REPORT
ON
CENSUS OF MINOR IRRIGATION SCHEMES

1986-87

GOVERNMENT OF INDIA
MINISTRY OF WATER RESOURCES
MINOR IRRIGATION DIVISION

FOREWORD

Minor Irrigation is a thrust area of National Development. To make a meaningful move forward, dependable data base is of paramount importance. The present publication " The All India Census of Minor Irrigation Work 1986-87" is an attempt to provide that base. The Report is principally structured around the census carried out by states and Union Territories, an exercise taken up by them at the instance of the Central Govt. Besides the census profile, the compilation carries districtwise analysis done by the Minor Irrigation Division of the Ministry of Water Resources.

The officers of the State and Union Territories as also of the Central Govt. are to be congratulated for the tremendous amount of work done and contribution made by them to make the project a success. They have indeed done a commendable job. Help rendered by National Informatics Centre, New Delhi for computerisation of census data is also thankfully acknowledged. I have no doubt this publication would prove useful not only to the professionals, planners and researchers in irrigation and agriculture sectors but also to all others who are directly or indirectly connected with these important sectors of national development.

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Dated,12th November, 1993.

PREFACE

Minor Irrigation Development Programmes in the States are being implemented by more than one Department/Organisation under various developmental sectors like Agriculture, Rural Development, Irrigation, Social Welfare, etc. At the Central level also, different departments launch schemes having Minor Irrigation Component. Furthermore, some of the old schemes have gone out of use due to one reason or the other. The irrigation potential created and utilised through ground water minor irrigation schemes are not being recorded systematically in most cases as these schemes are implemented and maintained by individual farmers. On the other hand, the norms being adopted for assessing the irrigation potential of M.I. schemes are also not uniform. Therefore, a need was felt for quite sometime to carry out a comprehensive survey of minor irrigation schemes to have a sound data base for planning purposes.

2. As long back as in 1970, a detailed Census of Minor Irrigation Works was first recommended by a Sub-Committee on Irrigation Statistics set up by the Planning Commission. The National Commission on Agriculture (1976), which examined in detail the present status of Minor Irrigation in India, observed that although many State Governments published some information on the number of irrigation sources namely wells, tubewells, tanks, etc. in their 'Season and Crops Report', complete information was not available on an All India basis. To overcome this deficiency, they recommended to carry out a census of Minor Irrigation Works. The Inter-Departmental Committee under aegis of Planning Commission which considered the availability of Statistics relating to irrigation projects also highlighted the need for undertaking a detailed Census of Minor Irrigation Projects on quinquennial basis. As a sequel to the recommendation of the Committee, a Centrally Sponsored Scheme for Improvement of Irrigation Statistics was launched in 1980-81 by the Department of Agriculture, Government of India, under which 15 States established Statistical Cells with a view to conduct a census of Minor Irrigation Works alongwith collection and compilation of related statistics on a regular basis. However, the scheme could not make much headway and no Census could be undertaken. As such, in a review meeting in the Planning Commission held during April 86, the need to conduct a Census of Minor Irrigation Schemes was again stressed. Accordingly, a Centrally Sponsored Scheme for Rationalisation of Minor Irrigation Statistics (RMIS) at an estimated outlay of Rs. 4.5 crores and Census of Minor Irrigation Works with reference year 1986-87 with an estimated outlay of Rs. 3.5 crores, to be implemented by the Ministry of Water Resources and entirely funded by the Centre, was sanctioned in the year 1986-87.

3. For the purpose of Census, each State/UT identified a Nodal Department for taking up the Census operation. The Head of that Department was declared as Minor Irrigation Census Commssioner and was made responsible for conducting the entire census operation. The primary work of collection of data was carried out by Village Level Workers (VLWs)/Patwaries/Village Accountants etc. at the village level. Their work was supervised by Block Development Officers(BDO)/Tehsildars and was reviewed by District Level Officers. Training-cum-workshops were organised, for explaining schedules/formats/procedures and instructions to the primary enumerators and supervisors, by the Minor Irrigation Census Commissioners at the State Headquarters while District Level Officers conducted such workshops at the District Headquarters. An honorarium as a token of appreciation was paid to various officers for doing Census works in addition to their normal duties. Funds were also released to the States for meeting contingent expenses on items like printing of schedules and final reports. 50% Central grants were released to the States/UTs in advance on the basis of proposals submitted by them for initiating work whereas the balance was linked with various stages of completion of Census.

4. At the Centre, a small Advisory Committee, under the Chairmanship of Additional Secretary (WR) with representatives from Planning Commission, Central Statistical Organisation and Departments of Agriculture, and Rural Development, was constituted to over-see and monitor the progress of the Census operation.

5. Initially, the scheme was sanctioned for two years, i.e. 1986-87 and 1987-88, but due to the unprecedented drought conditions prevailing in a number of States, alongwith various administrative difficulties and other problems, most of the States could not complete the work within the stipulated time. The implementation of the scheme had to be extended on a year to year basis upto 1991-92 to accommodate the lagging States. Even then, the State Government of Rajasthan could not conduct the Census.

6. A two day's workshop attended by Minor Irrigation Census Commissioners of the States and their representatives was organised by the Ministry of Water Resources in collaboration with National Informatics Centre, during May 89 to emphasise the importance of compilation and computerisation of detailed schemewise village level data with the help of computer training and software facilities of NIC

at the district headquarters. The usefulness of computerisation of data in terms of storage capacity and its retrieval through NICNET System were demonstrated by NIC during the workshop. Though the States have shown willingness to computerise the village level data, this work is yet to be commenced.

7. States/UTs were also asked to bring out State/UT Reports giving broad blockwise census data. For this purpose, tabulation plans and broad outlines for preparing the State Minor Irrigation Census Report, were made available. Such Reports have already been published by many States/UTs namely : Andhra Pradesh, Arunachal Pradesh, Assam, Goa, Haryana, Karnataka, Kerala, Madhya Pradesh, Nagaland, Orissa and Punjab. Meghalaya, West Bengal, Pondicherry and Daman and Diu have, however, only compiled Block Level Information. The remaining States are in the process of compilation of such reports.

8. Minor Irrigation Census Data so collected was compiled districtwise according to types of minor irrigation schemes. These data have now been computerised with the help of computer facilities available in the Ministry of Water Resources and necessary software developed by National Informatics Centre (NIC) and is presented in this Report. Under the Census of minor irrigation works the Minor Irrigation Schemes have been classified into five main types :—

(i) Dugwells

(ii) Shallow tubewells

(iii) Deep tubewells

(iv) Surface Flow Irrigation Schemes

(v) Surface Lift Irrigation Schemes.

9. This Report on Minor Irrigation Census (1986-87) is being presented in two parts, Part-I give the historical background and the methodology adopted for Census operation alongwith various chart based on Census data, whereas Part-II contains detailed statistical tables giving Statewise and districtwise census data on various types of Minor Irrigation Works in respect of each State/UT.

10. The Census Report provides a lot of valuable information in respect of Minor Irrigation Works in each district and gives a realistic data base for furure planning. The number of Minor Irrigation Works in use and which have gone out of use in each district alongwith various related information have now become available for the first time. To enhance the usefulness of the Report, graphical presentations have also been made with the help of pie and bar charts.

11. Due to shortage of staff in Minor Irrigation Division to carry out monitoring, checking and compilation of the huge Census data, there might be some omissions and errors in this Report. Minor Irrigation Division would welcome, if these are pointed out so that corrections could be carried out in future. Moreover, the present Report does not incorporate Census data for Rajasthan. This would also be incorporated later when such data are made available by the State.

12. In the end, it may be stated that, this gigantic work could not have been completed but for the strenous efforts made by Dr. Shambhu Dayal, Director and Shri H. R. Mishra, Senior Evaluation Officer from the Indian Statistical Service. Miss Chandrakala, Sr. Technical Assistant and Shri Inder Pal Singh, Draftsman also did hard work in compilation of this Report. I wish to place on record my sincere appreciation for the commendable work done by these officers and staff of the Minor Irrigation Division.

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CHAPTER I
HISTORICAL BACKGROUND

1.1 Introduction

1.10 Agriculture is the main stay of Indian Economy. Despite large scale of industrialisation during the plan periods more and more emphasis has been given on increasing agricultural production. The land available for agriculture has its limitations and tending to stabilise during the recent years. It is essential to mobilise all efforts to maximise the productivity of agricultural land. One of the major empediments of full exploitation of the possibility of intensive agriculture is the lack of assured and dependable water supply throughout the year. The average yield are usually low with high fluctuations from year to year. The rainfall in large parts of the cropped area is low and uncertain in its distribution that it does not prompt intensive cultivation even during the main crop season, and so there is a strong need for irrigation.

1.11 The area under irrigation has increased substantially during the past years of independence and major, medium and minor irrigation projects have contributed to this result. The Minor Irrigation Schemes provide the farmers with just type of controlled irrigation which the new high yielding varieties of seeds demand. These schemes are labour intensive, quick maturing and do not require heavy investment for its installation. As a part of various development programmes, innumerable new schemes are being taken up in the States/UTs. Some of the already completed schemes in the States might have gone out of use due to one reason or the other. As many surface water projects are not able to meet the full demand of water, farmers have installed wells and tubewells in their command area to provide supplementary irrigation and as well as irrigate these areas which do not get any water although included in the commands. The potential created by such minor irrigation schemes is not being accounted for separately.

1.12 A detailed census of minor irrigation works was first recommended by a sub-committee on irrigation statistics set up by the Planning Commission in 1970. The National Commission on Agriculture, which examined in detail the present status of minor irrigation in India observed that although many State Governments publish some information on the principal irrigation sources as mainly wells, tubewells, tanks, etc. in their season and crop report, no complete information is available on all India basis. The National Commission on Agriculture had recommended that a Census of irrigation sources be undertaken alongwith the Agricultural Census once in five years. Special irrigation surveys on the number of works and their utilisation might be undertaken by the States. The Technical Committee on Agricultural Census 1980-81 discussed the list of items in respect of data relating to minor irrigation proposed to be collected alongwith the agricultural census in 1980-81. It was viewed that the agricultural census data are being compiled from the existing land records on various States and the information as required do not figure in the land records, and it would not be possible to collect this information through the main agricultural census. Subsequently, in a meeting taken by the Additional Secretary (Agri.), it was decided to include certain information on irrigation in in-put survey for each holding on sample basis.

1.13 The scheme for Improvement of Irrigation Statistic was taken up as a sequel to the recommendations of a inter-ministerial Committee under the aegis of Planning Commission which considered the availability of statistics relating to minor irrigation projects. The Committee highlighted the need for undertaking a detailed census of minor irrigation projects on a quinquennial basis. The scheme of Improvement of Irrigation Statistics was launched in 1980-81 by the Deptt. of Agriculture. Although a census of minor irrigation works was to be taken up under this scheme, it could not be conducted till 1985-86. While discussing various issues and problems in the irrigation sector in the Planning Commission in 1986, it was stressed that census of minor irrigation schemes be conducted within a period of one year. During the discussions of annual plan proposals of the States hardly any of the States give the clear picture of the development of minor irrigation in their State as a whole. Lack of a sound data base for minor irrigation sector was felt as a bare necessity at every forum of planning. It

was, therefore, necessary to conduct a Census of minor irrigation works in the country.

1.2 Definition of Minor Irrigation Schemes

The criteria for classification of minor irrigation schemes has been changing from time to time. Since April, 1978 all Ground Water Schemes and Surface Water Schemes (both flow and lift) having culturable command area upto 2000 ha. individually are considered as minor irrigation works.

1.3 Types of Minor Irrigation Works

(a) Ground water schemes comprise of dugwells, deepening of dugwells, dug-cum-borewells, borings, private shallow tubewells, filter points and deep tubewells etc. The command area of private ground water scheme varies from 1 to 5 ha. The State Governments provide assistance in installation of such schemes which confines mainly to technical guidance, custom service for boring and arrangements for credit facilities at reasonable rates of interest. The subsidies are also made available for installation of these schemes to weaker sections of farmers. The construction, operation and maintenance of these schemes are done by the farmers themselves. The deep tubewells which extend upto the depth of 200 mts or more are designed to give a discharge of 100 to 200 cubic mt. per hour. These schemes are beyond the means of individual farmers and their construction, operation and maintenance are done by the State Govt. Departments or Corporations..

(b) The surface water schemes comprise of surface flow schemes and surface lift irrigation schemes. The surface water flow schemes are the tanks, check dams, diversion channels which are sometimes temporarily built and sometimes permanent. The diversion channels are generally prevalent in hilly regions. The norms of these schemes vary from State to State. These schemes are known as Kuhl in Jammu & Kashmir and Himachal Pradesh, Guls in Uttar Pradesh and Aharas and Pynes in Bihar and low Khones and Dongs in North Eastern region. The small storage tanks are owned by Community or local bodies and generally have command areas upto 40 ha. The large storage tanks alongwith the distribution system having command area varying from 40 to 2000 ha. are constructed by State Government Departments.

1.4 Sources of Data

The main sources of minor irrigation Statistics are (1) Land Use Statistics (LUS), (2) Periodical progress reports from State Govt. Departments, (3) Annual Administrative report compiled by the State Government Departments (4) Adhoc reports prepared by various agencies from time to time on the basis of sample survey to access the performance of minor irrigation works.

1.5 Land Use Statistics

The information on area irrigated is an ancillary product from the Land Use Statistics. The net area irrigated by the Government canals, private canals, tanks, tubewells, other wells and other sources are compiled for village/tehsil/district and the State level. Similarly, irrigated areas under different crops and areas irrigated more than once under different crops are also compiled. The Directorate of Economic and Statistics, Deptt. of Agriculture, Government of India publishes regularly the national level information with time lag of about 3 to 4 years. The primary data for LUS are collected by village patwaris in prescribed forms by plot to plot enumeration in certain States and are estimated on the basis of sample surveys in other States. The basic enumeration forms are not the same in the States and the instructions for obtaining details of area under irrigation and its sources are inadequate. In a few States, no separate columns for the sources of irrigation have been provided in the Khasra forms. In certain States due to convention the sources of irrigation and cropwise entries of irrigated area are also entered without a specific column which results in classificatory errors.

1.51 Classification of sources of irrigation does not provide data on irrigated area by important sources like private tubewells, dugwells, deep tubewells, diversion schemes and surface lift irrigation schemes. The gross irrigated areas according to different sources in most of the States are also not being compiled in LUS. In case of cropped area irrigated by two different sources say canal and well it is recorded under canal only. The Patwaris who are primarily responsible for data collection generally are not able to devote enough time required for collection and compilation of statistics. The compilation of LUS data is also based on sample surveys and *ad hoc* assessments in respect of certain areas which introduces limitations in its reliability. LUS data do not give the number of minor irrigation structures.

1.6 Periodical Progress Reports

Minor Irrigation Programme in the States are dealt by different departments under different

developmental Sectors. The progress reports relating to minor irrigation programmes received from different departments at the Centre are used for compilation of minor irrigation data for the State. There has not been a single nodal department in the State to compile the minor irrigation statistics for the entire State. The structures installed by the farmers from their own efforts are generally not recorded. The irrigation potential of ground water schemes are usually reported on the basis of certain assumed yardsticks. Usually no efforts have been made at the State level to provide a scientific basis for such yardsticks. In case of State irrigation works the irrigation potential and utilisation are usually estimated on the basis of such assumed dues/water allowances. The reported figures of irrigation potential created by certain schemes during a particular period might have been reduced over a period of time but no depreciation etc. has been taken into account in reporting the figures of cumulative irrigation potential created. The figures in respect of private minor irrigation works installed totally by the efforts of the farmers are usually not based on any positive enumeration or sample survey. However, the main source is figures indicated by States/UTs during annual plan discussions.

1.7 Annual Administrative Report

In certain States there are no field agencies in the minor irrigation department to collect data relating to minor irrigation programme for administrative reports. Further since minor irrigation programme is dealt by more than one department of the State, the administrative report of irrigation department gives the Statistics pertaining to works maintained by the department.

1.8 Adhoc Reports

The *ad-hoc* surveys are sometimes intended to throw light upon the socio-economic impact in certain areas for improving agricultural activities etc. The data collected on irrigation works under such surveys have a definite purpose and accordingly the priorities and weightage given to irrigation data for such minor irrigation statistics suffer from several deficiencies between the sets of progressive figures compiled on the basis of these statistics.

CHAPTER II

METHODOLOGY FOR MINOR IRRIGATION CENSUS

2.1 Need for Minor Irrigation Census

At various forums of irrigation planning, the inadequacy of data has been felt as a serious constraint. The National Commission of Agriculture had recommended that "Census of irrigation sources should be under-taken alngwith the agricultural census once in 5 years. Special irrigation surveys on the number of wells and their utilisation may be undertaken by the States", (Recommendation 24/page 141 V Volume-XIV). Planning Commission also recommended for a detailed census of minor irrigation works in 1970. A meeting of the Technical Committee for agriculture census 1980-81 considered the inclusion of list of items relating to minor irrigation in the primary enumeration schedules, but it could not be agreed. The main reason for non-inclusion of items relating to minor irrigation was that the agriculture census data was to be compiled from the existing data of land records of various States. The data do not have the information relating to minor irrigation works as desired.

2.2 Departments/Organisations dealing with Minor Irrigation Programme

Installation of minor irrigation works in the States is being taken up by various departments and organisations under different developmental Sectors. Generally dugwells, shallow tubewells and pumpsets are installed by individual farmers. Department of Agriculture, Government of India is operating a Centrally Sponsored Scheme of assistance to small and marginal farmers for increasing agriculture production under which 70% of the outlay has been earmarked for minor irrigation works. It covers gully plugging, nala bunding, construction of small surface storage structures including ponds, tanks, deepening of village ponds percolation tanks, dugwells, shallow tubewells, filter points, boring and deepening of wells, renovation of old wells, Rahats pumpset with appropriate water conveyance and distribution systems pump houses etc. The plugging cross-bunding of natural streams, nalas, rivulets gullies and water harvesting structures are also covered under minor irrigation.

Under rural development programme the minor irrigation works are installed with a view to raise the standard of living of rural people. Since these schemes are quick maturing and rural employment oriented, more and more emphasis is being given for lifting up the poor people above the poverty line. The department of Rural Development, Government of India is operating a Centrally Sponsored Scheme known as Integreted Rural Development Programme under which subsidies are being made available to the farmers for installation of minor irrigation works. The renovation of tanks and construction of ponds/tanks, gully plugging and Nala Banding etc. are also taken up under various employment generation programmes such as NREP, RLEGP and Jawahar Rozgar Yojna, ets. The million wells scheme is being implemented under Jawahar Rozgar Yojna to provide one million dugwells to small and marginal farmers belonging to scheduled castes and scheduled tribes and freed bonded labourers. Similarly under Social Welfare Programme minor irrigation works are installed as a component of Tribal Development Programme.

2.3 Census of Minor Irrigation Works

The finances for private minor irrigation works flow as subsidy from the Government departments and loans from banks. The monitoring of the programmes by different departments does not consider the minor irrigation schemes separately and there is no single department in the State for compiling the minor irrigation data for the entire State. In results into incomplete compilation of data. Based on the objectives of various programme etc., monitoring is not given due importance for the generation and compilation of minor irrigation data. A separate department such as Minor Irrigation has to keep a close coordination with all such Departments for compilation of Minor Irrigation data which is lacking in almost all the States. The minor irrigation Division and the Planning Commission, Government of India compile data on minor irrigation mostly through annual plan discussions in Planning Commission. Due to the lack of the generation of data, a firm data base is not available for minor irrigation sector. Keeping these in view a scheme for improvement of Irrigation Statistics was launched in 1980-81 by the Department of Agriculture, Government of India, entirely funded by the Centre. One of the objectives of the scheme was to conduct census of minor irrigation works on quinquennial basis. Suitable number of staff were also proposed to be created in each State for compilation of minor irrigation Statistics. Upto 1985-86 only 15 States implemented this scheme and appointed staff for the purpose but no break-through could be achieved.

In the beginning of the VII Five Year Plan, Planning Commission insisted for preparing a sound data base for future planning of minor irrigation sector. Immediate action was initiated by the Ministry of Water Resources to conduct a census of all minor irrigation works. To avoid any delay entire funds for the purpose was provided by the Centre to the States and

UT administrations. Two separate Centrally Sponsored Schemes were initiated. One was to conduct a census of all Minor Irrigation works and the other to up-date and compile data related to minor irrigation Sector for the entire State.

Prior to formulation of census a meeting of the officers incharge of minor irrigation programme in the major States was convened to discuss the various issues relating to census operation. The meeting discussed in detail the machinery to be involved, requirement of funds and information to be collected during the census. The details of the operation of Agricultural Census 1980-81 were also considered. Based on the norms and the mechanism devised after a number of meetings with the concerned Central Government Departments, present scheme of census was finally formulated with the following objectives :—

(a) to enumerate completely the sources of minor irrigation in the States/UTs.

(b) to assess sources-wise area irrigated during Kharif, Rabi and summer season.

(c) to assess the contribution of these minor irrigation works by way of new irrigation or as supplementary irrigation source.

Draft proposal of the scheme was also discussed with the Advisor (I&CAD), Planning Commission, Adviser (Economics and Statistics), Agriculture, Director (Agriculture Census), Chairman, CGWB and Chief Engineer (MI). A draft copy of the proposed scheme was also sent to Central Statistical Organisation, Government of India for their comments and suggestions. The scheme was finally sanctioned on 13th March, 1987 for the period of 1986-87 and 1987-88 at a total estimated cost of Rs. 3.5 crores. The sanction order is given in Annex-I. The reference year of the census was decided to be 1986-87. Under the scheme, honorarium as a token of appreciation of work entrusted to various officers in addition to their work normal duties had been proposed. Each State and UT administration was requested to identify a nodal Department for conducting the census of minor irrigation works in their respective State/UT. The proposals from the Nodal Deptt. of the States/UTs administration indicating the estimated cost in a specified format were received and scrutinised by the Minor Irrigation Division of this Ministry and placed before the sanctioning Committee for sanction of the amount required. 50% of the estimated cost as sanctioned was released to the States/UTs in advance immediately after receiving the proposal. 25% was released as soon as the primary enumeration were completed and the balance 25% after receiving the districtwise census abstract in the Minor Irrigation Division of the Ministry.

A small Advisory Committee under the Chairmanship of Additional Secretary (WR) was constituted to oversee and monitor the implementation of the scheme. The representatives of the Planning Commission, Central Statistical Organisation, Department of Agriculture, and Department of Rural Development were the other members of the Committee. The Committee was to give guidance regarding forms etc. to be used for the Census.

2.4 Concepts and Definitions

2.4.1. Minor Irrigation Schemes of ground water irrigation scheme and surface water schemes (Both flow and Lift) having culturable command area upto 2000 ha. individually are considered as minor irrigation schemes. These schemes were classified into 5 broad categories:—

(a) **Dugwells.**—It covers ordinary open wells of varying dimension dug or sunk from the ground surface into water bearing stratum to extract water for irrigation purposes. These are broadly known as Masonary wells, kuchcha wells and dug-cum-bore wells. All such schemes are of private nature belonging to individual cultivator.

(b) **Private shallow tubewells.**—It consists of a bore hole built into ground with the purpose of tapping ground water from previous zones. In sedimentary formations depth of a shallow tubewell does not exceed 60-70 mts. These tubewells are either cavity tubewells or strainer tubewells. These are usually drilled by percussion method using hand boring sets and sometimes percussion rigs. Success and popularity of the scheme depends on how cheap they are. Coir structures form by binding coir strings over a iron frame is being used as strainer. In shallow water table areas, bamboo frames are also used. Sometimes steel pipe, casing are replaced by pipes constructed by rapping bituminised gunny bags over the bamboo frame. These are called bore wells, in which bore hole is stable without a lining in the bottom portion and a tube is inserted only in the upper zone. The tubewells are generally operated for 6 to 8 hours during irrigation season and gives yield of 100-300 cubic meters per day which is roughly 2 to 3 times that of a dugwell.

(c) **Deep Tubewells.**—It usually extends to the depth of 100 meters and more and are designed to give a discharge of 100 to 200 cubic meter per hour. These are drilled by rotary percussion or rotary cum percussion rigs. These tubewells operate round the clock during the irrigation season, depending upon the availability of power. Its annual out put is roughly 15 times that of an average

shollow tubewells and are usually constructed as public scheme which are owned and operated by Government departments or Corporations.

(d) **Surface flow irrigation scheme.**—These schemes use the rain water for irrigation purposes either by storing it or by diverting it from a stream, Nala or river. Some times, permanent diversions are constructed for utilising the flowing water of a stream or river. Some times, temporary diversions are also constructed which are usually washed away during the rainy season. The small storage tanks are called ponds or bundhis which are mostly Community owned. The command areas of such schemes are 20 ha. or less. The large storage tanks whose command varies from 20 to 2000 ha. are generally constructed by Government departments and local bodies. These are the biggest items of surface minor irrigation works. Various types of such schemes are as follows :—

(i) **Storage schemes**

Storage schemes include tanks and reservoirs which impound water of streams and rivers for irrigation purposes. After wells, tanks occupy a very important place under the minor irrigation programme. They provide nearly 2/3rd of the total irrigation from minor sources in the States of Andhra Pradesh, Tamilnadu, Karnataka, Maharashtra, Orissa and Kerala. Tracts with undulating topography and rocky sub-strata are eminently suitable for tank irrigation. Besides, there exists scope for further construction of tanks in many areas. A large number of existing tanks in Southern States have gone into dis-use due to long neglect of repairs. Renovation of these tanks so as to restore the lost irrigation potential is being accorded priority under the minor irrigation programme.

The essential features of these schemes are (1) a bund or a dam which is generally of earth but also sometimes partly or fully masonary, (b) anicuts and feeder channels to divert water from adjoining catchments, (c) a waste weir to dispose of surplus flood water, (d) sluice or sluices to let out water for irrigation, and (e) conveyance and distribution system. The size of the storage is determined by the run-off expected on the basis of dependable monsoon rainfall in the catchment and by the fact whether the rainfall and cropping pattern would permit more than one filling of the tank. The best and direct method to calculate the run-off would of course, be to guage the stream flow at the proposed site for a number of years. However, as the observed data over a long number of years is normally not available, the run-off is computed on the basis of empirical formula found applicable from past experience for the region. When tanks are constructed in a series by bunding up the same valley at several points, some spill-over yield from the bunded catchment is also accounted for. In the gross storage provided some percentage provision is allowed for dead storage to be consumed by silting in course of years.

The irrigable command of the scheme is fixed on the basis of certain standard duties in terms of crop area irrigated per unit of water. The proposed cropping pattern is decided on the basis of past experience in the region. The flood discharge to be escaped over a waste weir is computed by empirical formula which from experience are found to generally hold good for the region. The design of the various component parts of the tank usually requires specialised engineering knowledge.

The tanks fail mainly due to two reasons : (a) silting of bed, and (b) breaches due to inadequate surplussing arrangements or bad maintenance of the bund. Renovation of derelict tanks so as to restore the lost irrigation potential is being accorded priority under the minor irrigation programme. The work of restoration generally consists of (a) strengthening or raising of bunds, (b) improving the surplus capacity and (c) occasional desilting of bed. Desilting is costly but in some cases this is being rendered economical by utilising the excavated earth for reclaiming part of the previously submerged land. This scheme is named as previously submerged land. This scheme is named as 'Desilting-cum-Reclamation of tanks'. The work of restoration is usually carried out by the State Public Works Department. After renovation, works irrigating below a specified acreage are handed over to the Panchayats for maintenance. Works having higher irrigation capacity are maintained by the Public Works Department. The

new works are usually taken up as State Works by the State Public Works Department.

(ii) Diversion schemes including hilly channels

These schemes aim at providing gravity flow irrigation by mere diversion of stream water supply without arranging any storage. As compared to storage schemes they are economical but their feasibility is dependent on the presence of flow in the stream at the time of actual irrigation requirements. Essentially this scheme consists of two parts: (a) an obstruction (weir) or bund constructed across the stream for raising and diverting water. The weir is called anicut in the South, bandhara in Maharashtra and Gujarat, and thingal in the Assam region, and (b) an artificial channel is known as kuhl in the hilly areas, pyne in Chhota Nagpur and Bihar, dongs and ilhowkongs in the Assam region and so on. In case of small schemes which have prominent scope in the hilly tracts and foothill plains, the water is usually diverted by constructing temporary bunds across the streams, made up of earth, stones or even bamboos. The discharge tackled being of small order, the bund on the head of the channel is not provided with any gated structure for controlling and regulating the flow. Construction of work, is, therefore, simple and cheap and can be handled to a large extent by the people themselves. However, these constructions being temporary, require frequent renovation. The bunds are liable to be washed away by every major flood. The channels also get silted up and scoured frequently. It is essential that whenever such schemes aim at diverting higher discharges, say, more than 5 to 10 cusecs, or tackle streams having high intensity of flood discharge, proper regulation structures equipped with suitable types of gates should be provided. Weir should be provided with scouring sluices in order to regulate the flow of silt in the off-taking channels. The construction of masonry weir is comparatively simpler and cheaper where rocky foundation is available beneath the stream bed. The design of the weir on permeable and erodable foundations is more complicated and require specialised engineering knowledge.

The irrigation capacity of the diversion schemes is dependent on the actual flow in the stream at the time the irrigation is required. The cold weather and the hot weather flows, therefore, need to be ascertained carefully before deciding the feasibility and economics of these schemes. This is particularly important in the case of non-snow-fed flashy streams which spurt to lift suddenly in the rainy season after which the discharge in them dwindles down to appreciable quantity. Some diversion schemes are also constructed as kharif or monsoon channels supplying water only during the monsoon season. Such schemes are useful for providing supplemental irrigation for paddy and preliminary watering for sowing of rabi.

In most of the hilly tracts, small irrigation channels called 'kuhls' are the only means of irrigation. These channels carry water diverted from streams by constructing temporary or pucca bunds across the streams. These channels are often constructed in hazarduous hilly terrains under very difficult conditions. To avoid seepage of water and for the sake of stability, these channels are lined in most of the reaches.

(iii) Water conservation-cum-groundwater recharging Schemes

Under this head are included schemes which serve primarily one or more of the following purposes :—(a) submerging agricultural land during monsoon for sowing post-monsoon crops, (b) improving moisture regime of the adjoining fields down stream for raising of post-monsoon crops without irrigation (c) replenishing the groundwater. An additional advantage of these schemes is that they help to conserve the soil. When constructed in the head water region serving catchment area of tanks down below, they serve the important purpose of retarding the silting rate of these tanks.

The system of water conservation through field embankments is peculiar to Central Indian tracts and is commonly in vogue in the Northern Districts of Madhya Pradesh, Bundhelkhand Districts of Uttar Pradesh and Eastern Districts of Rajasthan. In the Bundhelkhand Districts of Uttar Pradesh, these works

are popularly known as 'Bundhies'. Bundhies consist of earthen embankments thrown across gently sloping ground. During the rainy season, water is stored upstream and the land gets submerged. If the land slope is gradual, often large areas get submerged even by low embankments. Ordinarily, no direct irrigation is carried out and benefit is mostly due to submergence. In nearly all these districts, the soil is generally black which is retentive of moisture. After remaining submerged under water during the rainy season, the soil retains sufficient moisture to grow good rabi crops. The remaining water is let out and the submerged land released for cultivation. The other advantage of submerging land in this manner is that the first flood brings a lot of silt which acts as rich manure. By preventing free flow of water across steep gradient, the soil of the land is also conserved.

Ahars in Bihar, which store water for irrigation of paddy fields also function somewhat in a similar manner. Water is let out in October for irrigating the rice fields and the drained out fields in the bed of the ahars are cultivated with rabi crops. The head water tanks popularly in vogue in Orissa have a similar role to perform. These consist of bunds put up across slope at the head of gullies with the objective of impounding and diverting the cumulative run-off into the wider valley area down stream of the bunds by percolation, seepage and surface flow. Surface channels are provided in the flanks to carry flood water received in excess of the storage capacity of the bunds during the monsoon season.

Percolation tanks primarily for the purpose of recharging ground water are in vogue in Maharashtra, Tamilnadu, Kerala and Rajasthan.

Check-dams or rapats are in vogue in Rajasthan. They consist of bunds constructed across the streams for the purpose of retarding the surface flow and also the sub-surface flow to some extent by making the bed slope of the stream flattened. This results in increased percolation of water in the sub-soil with consequent increase of the ground water supply.

In the case of big embankments impounding large catchments, it is essential that adequate arrangements may be made at one or both the flanks or at some other suitable location for passing the flood water. If no such provision is made, the embankments are likely to breach.

(e) **Surface Lift Irrigation Schemes :** In regions, where the topography does not permit direct flow irrigation from rivers and streams, water has to be lifted into the irrigation channels. These works are similar to those of diversion schemes, but in addition pumps are installed and pumps houses constructed. These schemes being costly in operation are feasible only in areas where (a) gravity flow irrigation is not at all possible (b) there is keen demand for irrigation and cultivators are enthusiastic, (c) water is available in the streams for at least about 200 days in a year, and (d) cheap electric power is available. Installation of diesel operated pumpsets for lifting water makes the operation and maintenance cost of these schemes ex-orbitantly high. However, for lifting smaller order of discharge by individual cultivators, portable diesel engine pumpsets are more feasible as they provide greater flexibility and mobility for installation at different points of the water source or sources.

2.4.2 The Statistics of irrigation mainly include data on area irrigated by different sources and under different crop seasons. The definitions which are prevalent in respect of irrigated areas are as follows :—

(1) **Gross Command Area (GCA).**—The total gross area which can be physically irrigated from a scheme without considering the limitations of the quantity of water available.

(2) **Culturable Command Area (CCA).**—It is the gross area, less the area of unculturable land including habitation area, ponds and land otherwise unfit for cultivation included in the gross area.

(3) **Net Irrigated Area.**—Area irrigated during a year counting the area only once even if one or more crops are irrigated on the same land.

(4) **Gross irrigated area.**—The total irrigated area under various crops during a year, counting the area irrigated under more than one crop during the same year as many times as the number of crops grown.

(5) **Intensity of Irrgation.**—The sum total of the area irrigated under different crops in a year expressed as a percentage of the net irrigated area.

(6) **Intensity of irrigated cropping.**—The ratio of the difference of the gross irrigated area and net irrigated area to the net irrigated area expressed as a percentage.

(7) **Gross irrigation potential created by a scheme.**—The total gross area proposed to be irrigated under different crops during a year by the scheme. The area proposed to be irrigated under more than one crop during the same year is counted as many times as the number of crops grown.

(8) **Irrigation potential utilised during a year.**—The gross irrigation potential created by the scheme as actually used during a particular year. Out of the gross area proposed to be irrigated by a scheme as actually irrigated during the year.

(9) **Supplementary Irrigation.**—The gross cropped area is actually irrigated by two or more different sources of irrigation. All these different sources of irrigation are providing supplementary irrigation to the area.

The Census of minor irrigation works is to include all minor irrigation schemes situated in rural areas, urban areas and the forested areas. The schemes which are used for drinking water purposes in addition to irrigation are to be covered under census. The minor irrigation schemes in the commands of major and medium irrigation schemes were also to be enumerated and came under the purview of the Census.

2.5 Selection of Primary Enumerators :

The Nodal Departments of States/UTs had full freedom for selecting a particular agency as primary enumerator. It may be the Village Level Worker (VLW)/Patwari/Panchayat Inspector/any other agency suitable in a particular region. In selecting such agencies as enumerators the Nodal Departments were required to ascertain that they should have their associations with the farmers and their operation area be the villages under agricultural development programme. The information required in the primary schedules were to be obtained by personal enquiries from the farmers and physical verification/observations by the enumerators in respect of a particular scheme.

2.6 Procedure for conducting census operation

The primary enumerators while negotiating the schedules were to visit the owner of the minor irrigation scheme or its next neighbour and collect information on the basis of personal enquiry from him. The physical verifications of the schemes were also to be taken up by the enumerators. The purpose of the Census was to be explained to the farmers to win over their confidence in revealing the specific information in respect of minor irrigation works. Assurance that the data furnished by them would be kept confidential need be given to the farmers. Certain information relating to the schemes are to be collected by the enumerators by physical examination of the scheme.

After filling up the schedules by ink or ball point pens the enumerators have to put up their signature and deposit all completed schedules with the Block Development Officer/any other Officer incharge for its compilation at the block level. The block level compiled information in the prescribed format (B1-B5) were to be supplied to the district level officer concerned who would consolidate blockwise information in the same format and pass it on to the minor irrigation Census Commissioner of the State.

2.7 Training for data collection

Training-cum-workshop were to be organised by the Minor Irrigation Census Commissioner at the State head-quarters in which the district level concerned officers were to participate. The details of the methodology to be adopted for the Census, its procedure, concepts and definitions etc. were to be discussed thoroughly and necessary clarifications given. The instructions for filling up the primary enumeration schedules alongwith the format for data consolidation at various stages were also to be discussed. In turn the district level officers were to organise training-cum-workshops at the district headquarters where the primary schedules and the procedures for it were to be explained to enumerators.

2.8 Detailed Sample Check

In order to increase the reliability of data, a sample check was also introduced in addition to the enumeration and its supervision. Systematic sample covering 10% of the villages would be taken up for detecting under enumeration/over enumeration and the correction factor so obtained would be useful for its application to the main census results. Sample Checks were to be conducted under the supervision of the Nodal Department for the purpose. The following methodology has been adopted for the purpose of drawing the sample.

The district level Officer will prepare a list of villages in alphabatical order, after receiving the completed schedules from the Block Development Officers. 10% villages will be selected in each district as explained below.

The number in the unit place of the total number of villages in a district is the serial number of the first village selected from the list prepared for the district. The subsequent villages selected will be the every tenth village from that list. If the unit place of the number of villages in the district is '0' the first village selected will be the tenthone in the list. The circular systematic sampling design for drawing the sample is to be adopted.

2.9 Minor Irrigation Census Operation

The Scheme for conducting the census of minor irrigation works was sanctioned on 13th March, 1987. A brief note giving the broad features of the scheme was circulated to the States/UTs in February, 1987 itself. Emphasising the need for census, stress was given for identifying a nodal department for undertaking the work with a view to complete it by 1987-88. The guidelines for selecting the nodal department and the format for submission of proposal for Central assistance were also sent to the States. A copy of the same is given at Annex-II. In the meantime after obtaining the approval of Advisory Committee the proposed enumeration schedules and the format for consolidation of data at village/block/district/State level alongwith detailed instruction for filling up the scheme-wise information in the primary schedules were also sent to the Nodal departments for their comments and suggestions. The pre-testing of schedules and consolidation formats were conducted in the States of Andhra Pradesh, Haryana, Himachal Pradesh, Maharashtra, Uttar Pradesh and West Bengal on pilot basis. The suitability of primary schedules and the format for consolidation of data was discussed on 12th August, 1987 with the Minor Irrigation Census Commissioners of the States, which had conducted its pre-testing. The suggestions and comments of the other States were also considered. Finally, in consultation with the Advisory Committee the primary enumeration schedules and the formats for consolidation of data were prepared and circulated to the States in August, 1987. A copy has been reproduced at Annex-III. The time schedule for census operation was as given below which had been intimated to the States in June, 1987 :

Sl. No.	Operation	Date by which to be completed
1.	Pre-testing of schedules in selected states.	14th August, 1987
2.	Communication of final schedules to the States/UTs.	31st August, 1987
3.	Printing to format and training to personnel.	15th November, '87
4.	Primary enumeration . .	15th January, 1988
5.	Compilation of final figures at block level after completing the sample check.	15th January, 1988
6.	Compilation of final figures at district level.	31st Jan., 1988
7.	Compilation of final figures at State level and forwarding to the Ministry of Water Resources.	28th Feb., 1988

The States/UTs were requested to submit their proposals alongwith the cost estimates in the prescribed format. During 1986-87 the proposals were received only from the State Govt. of Andhra Pradesh, Haryana, Himachal Pradesh, Kerala, Sikkim, Tamil Nadu, West Bengal and Uttar Pradesh. These proposals were scrutinised and the administrative approval for conducting the census at the estimated cost were issued alongwith 50% Central assistance released in advance. Rest of the State Govts. and UTs Administrations submitted their proposals in subsequent years. Finally all States/UTs participated in the scheme.

2.10 Compilation of Census Data

The districtwise abstracts of the census were to be supplied to the Minor Irrigation Division of the Ministry of Water Resources, Govt. of India. The States were also requested to bring out a minor irrigation census report in respect of their State giving blockwise data relating to minor irrigation works. The tabulation plan for such a report was also sent to the Minor Irrigation Census Commissioners.

2.11 Computerisation of Census Data

The National Informatics Centre (NIC), Department of Science and Technology provided computerisation facilities at the district headquarters. Necessary software was also been prepared and made available to the District Informatics Centre on demand. A 2-days workshop was organised by the Ministry of Water Resources in association with the National Informatics Centres, Delhi in May, 1989. The Minor Irrigation Census Commissioners of the States participated in the workshop. The usefulness of computerisation of minor irrigation census data and its retrieval were explained to the participants of the Workshop. It was decided that the Minor Irrigation Census Commissioners would take effective steps in computerisation the Minor Irrigation data scheme-wise at the district headquarters and at the Ministry of Water Resources through the net work system planned by the Science and Technology Department.

CHAPTER III

LIMITATIONS

3.1. The census of Minor Irrigation Works has been conducted for the first time in the country and completed by the states on various dates in a span of about four years. A number of difficulties were encountered by the states its completion. Depending on the gap between the reference year and the date of census the reliability of data varies. Smaller the gap more reliable the data collected. Despite best efforts by the minor irrigation census commissioners in the states certain limitations remain in this report to be looked into in future census operation Broadly these limitations are as mentioned below :—

3.2. Census of minor irrigation works could not be completed in Assam (Part), Bihar and Rajasthan as yet. In Assam it is at various stages of its completion in 8 districts and for the remaining 10 districts it has been completed. The primary enumeration work is almost complete in Bihar by now. In Rajasthan the work has been held up due to non-cooperation of patwaries, the primary enumerators.

3.3. Year-wise installation of Minor irrigation works has not been collected during census by some of the states such as U.P., Punjab and West Bengal.

3.4. The enumeration of ground water structures in Kerala has not been taken up. Only the estimated number of dugwells in the state which are also used for irrigation has been estimated based on sample surveys. The details in respect of these dugwells are not available.

3.5. The State Govt. of Karnataka has not enumerated minor irrigation works which are installed in the commands of major and medium irrigation projects to avoid duplication.

3.6. Distribution of dugwells and private shallow tubewells among the farmers of different holding size groups and the farmers of different social status has not been collected during census in A.P.

3.7. Distribution of ground water structures by the farmers in different holding size groups and social status etc. is not available for all structurers specially in case of Maharashtra. It may have happened due to non availability of information in respect of certain structures.

3.8. West Bengal has conducted the census of Minor Irrigation Works with reference to 1987-88 whereas other states have conducted with reference to 1986-87.

3.9. The correction factors were to be worked out on the basis of 10% sample checks to assess the under enumeration or over enumeration of data but most of the states have not worked out such factor.

3.10. The culturable command area (CCA) of a minor irrigation structure has been higher than the gross irrigation potential created by it. Normally it should have been equal or less. Even if single irrigation crop is proposed to be grown during a year in the culturable command area of the scheme the gross irrigation potential created by it is equal to the culturable command area of the scheme. If more than one irrigated crop is proposed to be grown during a year the gross irrigation potential created would be higher than the CCA. Some of the states have intimated that due to less storage or less discharge the irrigation potential has been less but this may happen in a particular year and effect the utilisation of gross irrigation potential created by the scheme in that year. In case of a reduction in the capacity of the scheme such as due to siltation in case of a tank there is a shrinkage in the command itself and accordingly the other parameters.

3.11. The actual utilisation of gross irrigation potential of a scheme in 1986-87 has been higher than the gross irrigation potential created by it which would have been less than or at the most equal. If the full capacity is being utilised in a particular year the gross irrigation potential created is equal to the actual area irrigated by the scheme. In case of a reduction in the storage or less discharge the actual area irrigated during that year would be less than gross irrigation potential created by the scheme.

3.12. The minor irrigation structures which are providing supplementary irrigation during 1986-87 has been showing higher area irrigated by other sources in the commands of the structures. Actually it would have been at the most equal to the gross area irrigated by the scheme during the year. The scheme has provided supplementary irrigation only. Generally a part of the gross area actually irrigated by a scheme is also being irrigated by some other source.

ANNEX I

No. F. 9-10/85-MIT

MINISTRY OF WATER RESOURCES

MINOR IRRIGATION DIVN.

2nd Floor, 'B' Wing,
Lok Nayak Bhavan,
New Delhi,
Dated 13-3-1987.

Subject:—Census of Minor Irrigation schemes—administrative and financil sanction.

Sanction of the President of India is hereby conveyed to the implementation of a Centrally Sponsored Scheme for conducting 'Census of Minor Irrigation Schemes' during the period 1986-87 and 1987-88 at a total estimated cost (of Central assistance) of Rs. 3.5 crores (Rupees three crores and fifty lakhs only). Under this scheme, the Central Government will provide Central assistance for conducting the census.

(a) to enumerate completely the sources of Minor Irrigation in the States/UTs

(b) to assess sourcewise area irrigated during Kharif, Rabi and Summer Seasons and

(c) to assess the contribution of these minor irrigation sources by way of new irrigation and as supplementary irrigation sources.

2. Each State/UT will declare a nodal Department for the development of Minor Irrigation Programme and the head of that Deptt. would be designated as Minor Irrigation Census Commissioner, who will be in charge of the complete census work of the State/UTs. The primary work of data collection will be carried out by the VLWs/Patwari/any other officials designated by the State Government. Their work will be supervised by the Block Development Officer/Tehsildar and a District level officer will also be entrusted with the work.

3. To ensure quality of data collection, the Primary Enumerators will be given thorough training regarding the concept and defination to be adopted while filling up the schedules. A rationalised sample check covering 10% of the villages will be taken up by the District Level Officers through which under enumeration/ooer enumeration will be detected and the correction factor obtained for application to the main census results.

4. A small advisory committee under the Chairmanship of AS(WR) will be constituted to oversee and monitor the implementation of the scheme. The representative of Planning Commission, Central Statistical Organisation, Agriculture Deptt. and Rural Development Deptt. will be the members of the above Committee. The Committee would also give guidance regarding the forms etc. to be used in the census.

5. An honorarium as a token of appreciation of work entrusted to the various officials in addition to their normal duties will be paid as follows :—

(i) Rs. 50 per village for enumeration of data.

(ii) Rs. 250 per block/for Block Level Officers for supervision and compilation.

(iii) Rs. 500 per district for District Level Officer for census work.

(iv) Rs. 800 for the State Level Officer Incharge of Census.

(for the States of Nagaland, Manipur, Meghalaya, Sikkim, Mizoram, Arunachal Pradesh and 7 Union Territories).

(v) Rs. 1000 (for remaining states) for the state level officer in charge of census.

(vi) Rs. 5 per village as contingent expenditure including printing of schedules.

6. The nodal department of the State/UT will submit the proposal indicating an estimated cost of the census operation. The proposal will be scrutinised by the Minor Irrigation Division and placed before the Sanctioning Committee under the Chairmanship of Chairman CGWB for sanction. The

other members of the Sanctioning Committee will be the Chief Engineer (Minor Irrigation) and the Deputy Financial Adviser of the Ministry 50% of the total estimated cost will be released to the State/ UT in advance after the proposal is received and sanctioned. 25% of the cost will be released after the primary enumeration is completed and the balance 25% after the completion of the entire census work i.e. after receiving the data by the Government of India. The tentative time schedule for completing the census work is 8 months.

The proposals for Central assistance under this scheme will be invited from the State Governments/ UT Administration by the Minor Irrigation Division of the Ministry of Water Resources and considered for sanction for release of Central Assistance.

The expenditure involved will be met from

Major Head	360
Demand Number	97 Ministry of Water Resources.
	G—Grants-in-aid to the State Govts.
	G-3—Grants for Centrally Sponsored Plan schemes.
Sub-Head	G-3(1)(5)—Census of Minor Irrigation schemes.

This issues in consultation with Finance Desk, Ministry of Water Resources vide their No. Dy. No. 991/87/FD, dated 6-3-87

Sd/-
(A. RAJAGOPALAN)
Deputy Secretary to the Govt. of India.

1. The Controller of Accounts, Ministry of Water Resources, New Delhi.
2. The Ministry of Finance, Deptt. of Expenditure, Plan Finance Division, New Delhi.
3. The Planning Commission (Irrigation and Command Area Development Divn.), New Delhi.
4. The CE (MI), Ministry of Water Resources, New Delhi.
5. Finance Desk, Ministry of Water Resources, New Delhi.
6. B&T Section, Ministry of Water Resources, New Delhi.
7. All Members of the Sanctioning Committee.

Copy for Information to :—

1. PS to Secretary, Ministry of Water Resources.
2. PS to Addl. Secretary (WR), New Delhi.

Sd/-
(A. RAJAGOPALAN)
Deputy Secretary to the Govt. of India.

ANNEX II

D. W. TELANG

ADDITIONAL SECRETARY
GOVERNMENT OF INDIA
MINISTRY OF WATER RESOURCES
SHRAM SHAKTI BHAWAN
NEW DELHI 16th Feb. 1987.

D.O. No. 9/10/85-MIT

Dear Shri

As you know, Minor Irrigation plays a very important role in developing irrigation potential and will continue to do so during the Seventh Plan. Under various development programme, innumerable new schemes in the Minor Irrigation sector have been implemented in the States/UTs. Some of the old schemes might have gone out of use due to one reason or the other. As there is no Act regulating the implementation of Minor Irrigation Schemes, many schemes have also been implemented in the commands of major and medium irrigation projects also. The potential created by such Minor Irrigation Schemes is not accounted for. The basis being adopted for assessing the irrigation potential for Minor Irrigation Schemes is also not always based on scientific methodology. The utilisation of the irrigation potential of the Minor Irrigation Schemes is not being recorded in most of the cases particularly in schemes which are implemented and maintained by individual farmers. Considering the above, it has become necessary to undertake a census of all Minor Irrigation works and create a credible data base for future development of this important sector. The Ministry of Water Resources, Government of India have therefore decided to undertake a census of all Minor Irrigation Schemes through the State Governments/UTs immediately under a Centrally Sponsored Scheme entitled Census of 'Minor Irrigation Schemes' under which 100% Central Assistance will be provided to the State Governments/UTs.

A brief note giving the broad features of scheme is enclosed for your information. Detailed instructions alongwith the necessary guidelines for implementation of the schemes are being sent to you shortly. You will kindly notice from the enclosed note that to conduct the Census, it is necessary to declare a 'Nodal Department' for undertaking the census work. The head of this nodal department may be declared as the Minor Irrigation Census Commissioner who will be in charge of the complete census of the States/UTs. I would therefore request you to kindly designate a specific department in your State/UT, as a Nodal Department for undertaking the census work immediately and communicate the same to us for taking further action in the matter. The Nodal Department may be chosen in such a manner that it will be made responsible for co-ordinating the activities of the Minor Irrigation Programme in its totality in the States/UTs in future also.

It has also been decided that 50% of the total fund will be given to the States/UTs as an advance for initiating the work. I would therefore, request you also to kindly send us your requirement of funds by 27th February, 1987 positively in the enclosed proforma so that the funds can be released within the current financial year.

Early action on this communication will be highly appreciated.

With kind regards.

Yours sincerely,

Sd/-

(D. W. TELANG)

To,

Chief Secretaries of all States/UTs.

Copy forwarded for information and necessary action to :

Sd/-

(N. K. BANDYOPADHYAY)

BRIEF NOTE GIVING THE BROAD FEATURE OF THE CENTRALLY SPONSORED SCHEME FOR CONDUCTING THE CENSUS OF MINOR IRRIGATION SCHEMES

Minor Irrigation Schemes include all schemes of Ground Water Department and Surface Water Schemes (both flow and lift) with an individual culturable command area upto 2000 ha.

A number of new minor irrigation schemes are being implemented under the various developmental programmes. Some of the old schemes might have gone out of use. Since there exists no Act for regulating the implementation of minor irrigation schemes, some might have been executed in the commands of major and medium irrigation projects. The minor irrigation potential created and its utilisation is being assessed on norms which are not strictly based on scientific methodology. The schemes which are mainly operated and maintained by the farmers are not being recorded properly. It has, therefore, been felt necessary to conduct a Census of Minor Irrigation Schemes for creating a credible data base for the development of this sector.

On the basis of the above felt necessity, the Ministry of Water Resources, Government of India has decided to undertake a Census of all Minor Irrigation Schemes through the State Governmets/UTs under a new Centrally Sponsored Scheme namely, "Census of Minor Irrigation Schemes" under which 100% Central assistance will be made available to the State Governments/UTs. Broad features of the scheme are given below :

Objectives

The main objectives of the Census are :

(i) to enumerate the source of minor irrigation in the States/UTs.

(ii) to assess sourcewise area irrigated during rabi, kharif and summer seasons.

(iii) to assess the contribution of minor irrigation as new irrigation or supplementary irrigation.

Methodology

For the purpose of implementation of this scheme, it is proposed that each State will declare a nodal department for the development of minor irrigation. This is necessary as minor irrigation are carried out under programmes implemented by different departments. The head of that Department may be designated as the Minor Irrigation Census Commission who will be the in charge of the complete census work of the State. The enumeration of data will be done by the V.L. Ws./Patwaris/any other government staff decided by the State. Their work will be supervised by the Block Development Officer/Tahsildar. The data enumerated at the village level will be consolidated at the Block/Tahsil level and fowarded to the District level officer selected by the State who will consolidate the information at the district level and forward it to the State level (Nodal Department).

In addition to the enumeration and supervision of Census work, a rationalised sample check covering 10% of the villages will be taken up to arrive at a correction factor to assess under-enumeration/ over-enumeration of data. The sample checks will be conducted under the sup rvision of the State Nodal Department. The final data for the State in its totality will be forwarded to the Minor Irrigation Division of the Ministry of Water Resources by the Minor Irrigation Census Commissioner.

Although the Census data will be published at All India level by this Ministry, the States may bring out State Census reports giving the data at the block level etc.

Cost Estimates

It is proposed to pay an honorarium as a token of appreciation of work entrusted to various officials in addition to their normal duties and not as compensation or remuneration for additional work. An honorarium of Rs. 1000 each to the Minor Irrigation Census Commissioner in case of major States and Rs. 800 each for others (namely Nagaland, Manipur, Meghalaya, Sikkim and Union Territories) will be paid. The district level officer in charge of Census will be paid an honorarium of Rs. 500 each and at the block level an honorarium of Rs. 250 each will be paid to the Block Development Officer/ Tahsildar. The rates of honorarium for the primary enumerator is Rs. 50 per village. The estimated cost of contingent expenditure for printing schedules and other miscellaneous expenditure is Rs. 5 per village.

The entire cost for implementing the scheme will be borne by the Centre.

Time Schedule

The tentative time schedule proposed for the Census is as follows :

(1) Finalisation of work programme and drawing up of schedule . . . 2 months

(2) Pre-testing of schedules and instructions . . . . . 1 month

(3) Training of primary workers and supervisory staff . . . . . 1 month
(4) Main field work . . . . . 1 month
(5) Tabulation of data . . . . . 3 months

Requirement of Funds by the States

The funds required for the State for the Census of Minor Irrigation Schemes may be worked out as follows :

1. **Honorarium (in Rs.)**

No. of villages in the State × Rs. 50.
No. of Blocks/Tahsil × Rs. 250.
No. of Districts × Rs. 500.

At the State level Rs. 1,000/Rs. 800 as the case may be.

2. **Contingencies**

@ Rs. 5 per village.

50% of the total cost is proposed to be released to the States/UTs during the financial year 1986-87 as an advance for initiating the work. The remaining 21% of the cost will be released as soon as the enumeration is completed and the balance 21% after the completion of the Census work i.e. after receiving the data at the Centre level.

FORMAT FOR CLAIMING 50% FUND AS ADVANCE FOR CONDUCTING MINOR IRRIGATION CENSUS IN THE STATE/UNION TERRITORIES

1. Name of the State . . . . . = Rs.
2. Honorarium (in Rs.) . . . . . .
   (i) No. of villages in the States × Rs. 50 . . . = Rs.
   (ii) No. of blocks/Tahsils × Rs. 250 . . . . = Rs.
   (iii) No. of districts × Rs. 500 . . . . . = Rs.
   (iv) At the State level (Rs. 1000/Rs. 800 as the case may be) . . . . . = Rs.

   Total .
3. Contingencies @ Rs. 5 per village . . . . = Rs.

Total requirement of funds . . . . . = Rs.

Advance @ Rs. 50% of the total funds required . . = Rs.

Note : The claim for the 50% advance fund should be sent in the format given above duly forwarded by a competent authority of the State Government/Union Territory.

ANNEX III

No. 9-10/85-MIT

Ministry of Water Resources
Minor Irrigation Diva.

2nd Floor, 'B' Wing,
Lok Nayak Bhavan,
New Delhi,
Dt. Aug., 1987.

To

Subject :—Census of Minor Irrigation Schemes.

Sir,

Reference is invited to this Ministry's letter of even number dated 26th June, 1987 enclosing therewith the detailed instructions alongwith the necessary guidelines for conducting the census of Minor Irrigation schemes. The schedules proposed to be utilised for collecting the census data have since been pre-tested on a sample basis in a few states. Suggestions on the schedules were also received from some other states. The matter was discussed in detail on 12th August, 1987 with representatives of the states who had been requested to pretest the schedules. On the basis of these discussions, the schedules for collecting the primary census data and the format for consolidating the same at the block, district and state levels have been modified and finalised. A copy of the same alongwith detailed instructions is enclosed. You may get these printed at your end if necessary in the regional language for the convenience of the users at the field level.

It may kindly be noted that all expenditure for conducting the census including the printing of schedules etc. are to be met from the approved expenditure already communicated to the State Government and additional funds will not be available from the centre for this purpose. However, the State Government/UTs may utilise for this purpose the central assistance under the various items of expenditure for census within the overall ceiling limit which has already been communicated to you vide this office letter No-9-10/85-MIT, dated 26-8-87.

It is requested that the time schedule as intmiated vide our letter of even number dated 26-6-1987 may please be adhered to. The progress in this regard may also be intimated to us on monthly basis starting from September, 1987.

Yours faithfully,

(Sd/-)
(N. K. BANDYOPADHYAY)
Chief Engineer (MI)

PRIMARY SCHEDULES FOR CANVASSING
SCHEDULE A-1 DUGWELLS (COMPLETED)

1. Identification

State.....District.....Block..... Village..... Date of Enumeration.....

2. Specific Information

Sl. No.	Name of the owner	Khasra No./ Plot No.	Total holding size of the owner	Whether belongs to SC or ST	Year of (Commissioning)	Type of well	Size of well (in m.)	Depth of (in m.) Well from Ground level	Status of Water from Ground level	Status of Well	Source of Finance
(1)	2 (a)	2 (b)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)

Lifting Device used with its H.P. (Horse Power)	Culturable command area of well (in ha.)	Net Irrigating potential created (in ha.)					Net area actually irrigated in 86-87 (in ha.)				
		Kharif	Rabi	Perennial	Other	Total (Gross) (col. 14 to col. 17)	Kharif	Rabi	Perennial	Other	Total (Gross) (col. 19 to col. 22)
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)

Net area which received irrigation in 86-87 from other sources namely from Canal/Tank/Tubewell (in ha.)					Constraints in the way of full utilisation of irrigation potential
Kharif	Rabi	Perennial	Other	Total (gross) (col. 24 to col. 27)	
(24)	(25)	(26)	(27)	(28)	(29)

.....
Signature of Enumerator
Name and Designation

SCHEDULE A-2

SHALLOW TUBEWELL (COMPLETED)

1. Identification

State..... District..... Block..... Village..... Date of Enumeration.....

2. Specific Information

Sl. No.	Name of the owner	Khasra No./ Plot No.	Holding size of the Owner (in ha).	Whether belong to (SC/ST)	Year of Commissioning	Type of the well	Depth of Tubewell from ground level (in m.)	Status of tubewell	Source of Finance	Lifting devices used with its horse power (HP)
(1)	2(a)	2(b)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)

Average hrs. of electricity in regd. voltage available per day during peak seasons	Culturable command are of tubewell (in ha.)	Net irrigation potential (in ha.)					Net area actually irrigated in 1986-87 (in ha.)				
		Kharif	Rabi	Perennial	Other	Total (col. 13 to col. 16)	Kharif	Rabi	Perennial	Other	Total (col. 18 to col. 21)
(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)

Net area which recieved irriagtion from other sources in 1986-87 namely canal/tank/tubewell (in ha.)					
Kharif	Rabi	Perennial	Others	Total (gross) (col. 23 to col. 25)	Constraints in the way of full utilisation or irrigation potential created
(23)	(24)	(25)	(26)	(27)	(28)

Signature of Enumerator

Name and Designation

SCHEDULE A-3

DEEP TUBEWELLS

1. Identification

State..... District..... Block..... Village..... Date of enumeration.....

2. Specific Information

Sl. No.	Name of the owner	Khasra No./ Plot No.	Year of Commissioing	Diameter (in mm) & depth of the tubewell (in m.)	Length of the pucca distribution channel (in m.)	Length of the under-ground field channel (in m.)	Status of the tube-well	Lifting device	If dedicated feeder the year of connection	Average supply of electricity in proper voltage in peak season (hrs./day)	C.C.A. (in ha.)
1	2(a)	2(b)	3	4	5	6	7	8	9	10	11

Net irrigation potential created (in ha.)					Net area actually irrigated (in ha.)					Net area which received irrigation from other sources viz. Canal/Tank (in ha.)					Constraints in full utilisation of potential
Kharif	Rabi	Perennial	Others	Total (col. 12 to col.15)	Kharif	Rabi	Perennial	Others	Total (col. 17 to col. 20)	Kharif	Rabi	Perennial	Others	Total (col. 22 col. 25)	
12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27

Signature of Enumerator

Name and Designation

NOTE.—Information regarding the structure under the Govt. Deptts./Organisations, if cannot be obtained by the primary enumerators at the field level, the Nodal Department undertaking the census work should make necessary arrangement to obtain the same from the local office of the Govt. Deptt./organisation and make it available o the officer in charge at the block level who should incorporate the same in the schedules.

SCHEDULE A-4

SURFACE FLOW IRRIGATION SCHEME

1. Identification

State..... District..... Block..... Village..... Date of enumeration.....

2. Specific information

Sl. No.	Name of the scheme & owner	Khasra No./ Plot No.	Year of commissioning	Type of scheme	Length of pucca distribution channel	Status of scheme	C.C.A. in ha.	Net irrigation potential created (in ha.)				
								Kharif	Rabi	Perennial	Other	Total (Gross) (col.8 to col. 11(
1	2(a)	2(b)	3	4	5	6	7	8	9	10	11	12

Net area actual irrigated during 1986-87 (in ha.)					Net area which also received irrigation from canal/Tubewell (in ha.) canal/tubewell (in ha.)					Constraints in full utilisation of pot.
Kharif	Rabi	Perennial	Other	Total (Gross) (col. 13 to col. 16)	Kharif	Rabi	Perennial	Other	Total (Gross) (col. 18 to col. 21)	
13	14	15	16	17	18	19	20	21	22	23

Signature of Enumerator

Name and Designation

NOTE :

1. If information regarding structure under the Govt. Deptt./Organisation cannot be obtained by the primary enumerator at the field level, the Nodal Deptt. undertaking the census work should take necessary arrangement to obtain the same from the local office of the Govt. Deptt./Organisation and make it available to the officer in charge at the block level who should incorporate the same in the schedules.

2. If the command area of a particular scheme covers more than one village a reference should be made in each of the schedules for all the villages concerned and the total figures may be incorporated in the block level report.

SCHEDULE A-5

SURFACE LIFT IRRIGATION SCHEME

1. Identification

State..... District..... Block..... Village..... Date of Enumeration.....

2. Specific Information

Sl. No.	Name of the scheme and its owner	Khasra No./ plot No.	Year of Commissioning	Type of scheme	Status of scheme	Type of water lifting devices		Average Electric supply in proper voltage during peak season (Hrs./day)	C.C.A. (in ha.)
						Diesel	Electric		
1	2(a)	2(b)	3	4	5	6	7	8	9

Net irrigation potential created (in ha.)					Net area actually irrigated in 1986-87 (in ha.)					Net irrigated area receiving irrigation from other sources Canal/Tubewell (in ha.)				
Kharif	Rabi	Perennial	Other	Total	Kharif	Rabi	Perennial	Other	Total	Kharif	Rabi	Perennial	Other	Total
10	11	12	13	14	15	16	17	18	19	20	21	22	23	24

Constraints in full utilisation of pot.

(25)

Signature of Enumerator
Name and Designation

NOTE :

1. If information regarding the structures under the Govt. deptt./Organisation cannot be obtained by the primary enumerator at the field level, the Nodal Deptt. undertaking the census work should make necessary arrangement to obtain the same from the local office of the Govt. Deptt./Organisation and make it available to the officer in charge at the block level who should incorporate the same in the schedule.

2. If the command area of particular scheme covers more than one village, a reference should be made in each of the schedule for all the villages concerned and the total figures may be incorporated in the block level report.

BLOCK LEVEL ABSTRACTS

Schedule B-1

Dugwells (Completed)

State..... District..... Block.....

Sl. No.	Name of village	No. of Dugwells Commissioned						No. of wells not in use	In use			
		Before	During						Pucca	Kutcha	Dugwell cum bore well	Total (col. 10 to col. 12)
		82-83	82-83	83-84	84-85	85-86	86-87					
1	2	3	4	5	6	7	8	9	10	11	12	13

No. of Dugwells with farmers in holding group (in ha.)				No. of dugwells belonging to				No. of dugwells with lifting devices				
0-1	1-2	Other	Total (col. 14 to col. 16)	S.C.	S.T.	Other	Total (col. 18 to col. 20)	Electric pump	Diesel pump	Man/Animal operated devices	Others	Total (col. 22 to col. 25)
14	15	16	17	18	19	20	21	22	23	24	25	26

Culturable command area (in ha.)	Gross irrigation potential created by wells (in ha.)	Net area irrigated by dugwells (in ha.)					Net Area receiving irrigation from other sources (in ha.)				
		Kharif	Rabi	Perennial	Other	Total (Gross) (col. 29 to col. 32)	Kharif	Rabi	Perennial	Other	Total (Gross) (col. 34 to col. 37)
27	28	29	30	31	32	33	34	35	36	37	38

SCHEDULE B-2

SHALLOW TUBEWELLS (COMPLETED)

State..... District..... Block.....

Sl. No.	Name of village	No. of shallow tubewells commissioned						No of shallow tubewell					
		Before 1982-83	During					Not in use	In use withlifting devices				
			82-83	83-84	84-85	85-86	86-87		Elect. pump	Diesel pump	Manual lift	Others	Total (col. 10 to col. 13)
1	2	3	4	5	6	7	8	9	10	11	12	13	14

No. of Shallow tubewells in use with farmers in holding group (in ha.)						No. of shallow tubewells belonging to				Average hrs. of Electricity available per day during peak season	CCA (in ha.)	Gross irrigation Pot. created by STW (in ha.)
0-1	1-2	2-4	4-6	Others	Total (col. 15 to col. 19)	SC	ST	Others	Total (col. 21 to col. 23)			
15	16	17	18	19	20	21	22	23	24	25	26	27

Net area irrigated (in ha.) by STWs					Net area irrigated by other sources also (in ha.)				
Kharif	Rabi	Perennial	Others	Total (Gross) (col. 28 to col. 31)	Kharif	Rabi	Perennial	Others	Total (Gross) (col. 33 to col. 36)
28	29	30	31	32	33	34	35	36	37

SCHEDULE B-3

DEEP TUBEWELLS (COMPLETED)

State..... District..... Block.....

Sl. No.	Name of the village	No. of Deep Tubewells Commissioned During						Not in use (abondoned)	No. of Tubewells		
		before 1982-83	During						In use with lifting devices		
			82-83	83-84	84-85	85-86	86-87		Submersible pump	Turbine	Total (col. 10 to col. 11)
1	2	3	4	5	6	7	8	9	10	11	12

No. of Deep Tubewells with distribution system			Average hours of Electricity available per day during peak season	No. of Tubewells with dedicated feeders	CCA of deep tubewells (ha.)	Gross irrigation potential created (in ha.)
Pucca (Surface)	Under Ground	Total (col. 13 to col. 14)				
13	14	15	16	17	18	19

Net area irrigated (in ha.)					Net area receiving irrigation from other sources also (in ha.)				
Kharif	Rabi	Perennial	Others	Total (Gross) (col. 20 to col. 23)	Kharif	Rabi	Perennial	Others	Total (Gross) (col. 25 to col. 28)
20	21	22	23	24	25	26	27	28	29

SCHEDULE B-4

SURFACE FLOW IRRIGATION SCHEME (COMPLETED)

State..... District..... Block.....

Sl. No.	Name of village	No. of schemes Commissioned						Not in use	No. of Schemes			
			During						In use and in a			
		Before 1982-83	82-83	83-84	84-85	85-86	86-87		Storage	Permanent Diversion	Temporary Diversion	Total
1	2	3	4	5	6	7	8	9	10	11	12	13

No of Schemes owned by				No. of Schemes with water distribution system	C.C.A. covered (in ha.)	Gross irrigation potential created (in ha.)
Govt.	Public orgn.	Private Society	Total (col. 14 to col. 16)			
14	15	16	17	18	19	20

Net area Irrigated (in ha.)					Net area receiving irrigation from other sources				
Kharif	Rabi	Perennial	Others	Total (Gross) (col. 21 to col. 24)	Kharif	Rabi	Perennial	Others	Total Gross) (col. 26 to col. 29)
21	22	23	24	25	26	27	28	29	30

SCHEDULE B-5

SURFACE LIFT IRRIGATION SCHEME (COMPLETED)

State..... District..... Block.....

Sl. No.	Name of village	No. of Schemes commissioned						No. of Schemes				
		Before 1982-83	During					Not in use	In use and is			
			1982-83	83-84	84-85	85-86	86-87		River	Drain/ Canal	Tank	Total
1	2	3	4	5	6	7	8	9	10	11	12	13

No. of Schemes owned by				No. of schemes with lifting devices			Electric supply	No. of scheme with waters distribution System	C.C.A. (ha.)	Gross Irri. Pot. created (ha.)
Govt.	Public Orgn.	Private	Total (col. 14 to col 16)	Elec.	Diesel	Total (col. 18 to col. 19)	Hr./day in peak season			
14	15	16	17	18	19	20	21	22	23	24

Net area Irrigated (in ha.)					Net area receiving irrigation from other sources (in ha.)				
Kharif	Rabi	Perennial	Other	Total (Gross) (col. 25 to col.28)	Kharif	Rabi	Perennial	Other	Total (Gross) (col 30 to col. 33)
25	26	27	28	29	30	31	32	33	34

INSTRUCTIONS FOR FILLING UP THE SCHEDULES

Schedule A-1—Dugwell (Meant for irrigation and is complete)

Col. 1 : Serial No. of Dugwell in the village may be noted in this column.

Col. 2 (a) : The owner of the Dugwell may be a farmer/Cooperative Society/Government department/Organisations/Group of Farmers. The name of the owner is to be indicated in this Column. In case of absentee landlords the name of the cultivator or the person who is in possession of the dugwell may be noted.

Col. 2 (b) : Khasra No./Plot No. in which the dugwell is installed may also be noted in the column for physical verification etc. if needed at a later date.

Col. 3 : The idea is to find out whether the scheme is owned by small (1-2 ha.), marginal (0-1 ha.) or other farmers (holding more than 2 ha.). The total area owned by the farmer should be mentioned under this column and not the area under the irrigation command of the dugwell.

Col. 4 : Should be indicated as Scheduled Caste or Scheduled Tribe as the case may be.

Col. 5 : The year of commissioning of the scheme need be mentioned as :

1982-83.
1983-84.
1984-85.
1985-86.
1986-87.

for the scheme installed during the last 5 years and the schemes which are more than 5 years old may be indicated as before 1982-83.

Col. 6 : Dugwells are classified into three types :

I — Pucca Well . .	—Well having a brick lining or stone or concrete wall is called a pucca well.
II —Kutcha Well. .	—Other than the pucca well is identified as Kutcha well.
III—Dug-cum-Borewell	Dugwells are frequently bodred through the bottom to augment their output. These are referred to as dug-cum-borewells.

According to the above classification, the type of dugwell is to be noted.

Col. 7 : The size of the well should be indicated in metres. The size of a circular well should be indicated as the dia-metre of the well in metres.

For a rectangular well, the size should be indicated as the length × breadth (in metres) of the well.

Col. 8 : The depth of the well from the ground level is to be noted under this column in metres.

Col. 9 : The water level from the ground is to be noted under this column in metres. The information for 8 & 9 may be obtained by lowering down a stone with the help of a thread in the well.

Col. 10 : The purpose is to know whether the well is in use at present or not. It will be noted as :

I. In Use	If well is prsently (i.e. during 1986-87) being used for irrigation.
II. Not in use :	(Temporarily) If the well is not in use (during 1986-87) due to temporary reasons.
III. Not in use :	(Permanently) If the well is not in use permanent. State reasons also.

Col. 11 : It is intended to find out whether the farmer has received bank loans or Government subsidies for installation of the dugwell. It may be indicated as any of the following alternatives :

1. Received Govt. subsidy and bank loan.
2. Received Government subsidy only.
3. Received bank loans only.
4. Constructed the dugwell from own funds.

Col. 12 : The device used for lifting the water from the well is to be indicated along with the horse power of the prime mover used in case of power operated prospects. These devices may be :

1. Electric Pump.
2. Diesel Pump.
3. Wind mills.
4. Solar Pumps.
5. Animal lift.
6. Manual lift.
7. Others.

In case of animal/manual/other lifting devices no H.P. need be mentioned.

Col. 13 : Under this Col. the area which is proposed to be irrigated by the dugwell should be indicated in ha. It is generally the measurement of the field proposed to be in irrigated by the dugwell at the time of installation. In case the dugwell is very old and the culturable command area is not available, the current maximum culturable command area of the dugwell may be noted.

Col. 14 to 18 : It is intended to find out the total potential created from the irrigation structure. It will indicate that how much area is proposed to be irrigated under the scheme during Kharif, rabi, perennial crop and other crops. The total of col. 14 to 17 is to be noted in col. 18. The figures under columns 14, 15, 16 & 17 should be the seasonwise area proposed to be irrigated under the scheme at the time of the installation. Col. 18 will indicate the gross irrigation potential created.

Col. 19-23 : In these cols., the area actually irrigated during Kharif, rabi, perennial crops and other crops is to be indicated in col. 23. The area irrigated under different seasons may be taken for the year 1986-87, i.e. commencing Kharif in 1986 and ending rabi 1987. Col. 23 will indicate the gross irrigation potential utilised.

Col. 24-28 : The purpose is to find out the land area commanded by the present scheme which also received irrigation by other schemes. The total of col. 24 to 27 is to be indicated in col. 28. It will indicate the gross irrigated area of the dugwell receiving supplementary irrigation.

Col. No. 29 : The idea is to find out the reasons for the shortfall between the figures under the columns 18 & 23. The reasons could be non-availability of power, mechanical break down, less availability of water from the scheme than anticipated etc.

Schedule A-2—Shallow Tubewells (Meant for irrigation and is complete)

Col. 1 : Serial No. of shallow tubewell in the village may be noted in this column.

Col. 2 : (a) The owner of the tubewell may be a farmer/cooperative society/Government department/organisations/group of farmers. The name of the owner is to be indicated in this column. In case of any absentee landlords, the name of the cultivator or the person who is in possession of the tubewell may be noted.

Col. 2 (b) : The Khasra No./Plot No. in which the tubewell is installed may also be noted in this column for physical verification etc. if needed at a later date.

Col. 3 : The idea is to find out whether the scheme is owned by a small (1-2 ha.) marginal (0-1 ha.) or other farmers (holding more than 2 ha.). The total area owned by the farmer should be mentioned under this column and not the area under the irrigation command of the scheme.

Col. 4 : Should be indicated as SC or ST as the case may be under the provision of the Constitution.

Col. 5 : The year of commissioning of the Scheme need be mentioned as :

1982-83.

1983-84.

1984-85.

1985-86.

1986-87.

For the schemes installed during the last 5 years and the schemes which are more than 5 years old may be indicated as before 1982-83.

Col. 6 : Tubewells are classified into three types :

1. **Shallow Tubewells :** A tubewell in sedimentary formations not exceeding 60 to 70 m in depth is called a shallow tubewell.

II. **Filter Points :** Small diameter tubewell (less than 75 m.m. diameter) from which water is lifted mostly manually may be termed as Filter point.

III. **Borewells :** Tubewells in the hard rock area are called borewells because in such wells the borehole is able to hold on its own in the bottom portion and a tube is pushed only in the upper weathered zone. According to the above classification, the type of the tubewell is to be noted.

Col. 7 : The depth of the tubewell is to be noted under this column in metres.

Col. 8 : The purpose is to know whether the tubewell is in use at present (i.e. during 1986-87) or not in use. It will be noted as :—

I. **In Use :** If tubewell is presently being used for irrigation.

II. **Not in Use (Temporarily) :** If the tubewell is not in use during 1986-87 due to temporary reasons. State reasons also.

III. **Not in use (Permanently) :** If the tubewell is not in use permanently. State reasons also.

Col. 9 : It is intended to find out whether the farmer has received bank loan or subsidy for installation of the structure. It may be indicated as any of the following 4 alternatives.

I : Received Govt. subsidy and bank loan.

II : Received Govt. subsidy only.

III : Received bank loan only.

IV : Constructed fully from his own funds.

Col. 10 : The device used for lifting the water from the tubewell is to be indicated alongwith the horse power of the prime mover in case of power operated pumpsets. These devices may be :—

(a) Electric Pump.

(b) Diesel Pump.

(c) Wind Mills.

(d) Solar Pumps.

(e) Manual hand pump

(f) Others.

In case of manual/other lift devices no H.P. need be mentioned.

Col. 11 : It may be noted that how many hours of electricity in proper voltage is available during peak seasons for running the tubewell.

Col. 12 : Under this col., the area which is proposed to be irrigated by the tubewell should be indicated in ha. It is generally the measurement of the field proposed to be irrigated by the tubewell at the time of installation. In case the STW is very old and the CCA is not available, the current maximum CCA of the STW may be noted.

Col. 13-17 : It is intended to find out the total potential created from the irrigation structure. It will indicate that how much area is proposed to be irrigated under the Scheme during Kharif, rabi, perennial crop and other crops at the time of installation. The total of the col. 13 to 16 is to be noted in col. 17. The figures under columns 13 to 16 should be season-wise area proposed to be irrigated under the Scheme at the time of the installation. Col. 17 will indicate the gross irrigation potential created.

Col. 18 to 22 : In these cols., the area actually irrigated during Kharif, rabi, perennial crops and other crops is to be indicated in ha. The total of col. 18 to 21 is to be indicated in col. 22. The area irrigated under different seasons may be taken for the year 1986-87 i.e. commencing Kharif in 1986 and ending rabi 1987. Col. 22 will indicate the gross irrigation potential utilized.

Col. 23 to 27 : The purpose is to find out the Land area commanded by the present scheme which also receives irrigation by other Schemes. The total of Col. 23 to 26 is to be indicated in col. 27. Col. 27 will indicate the gross irrigated area of the scheme receiving supplementary irrigation.

Col. 28 : The idea is to find out the reasons for the shortfall between the figures under the columns 17 and 22. The reasons could be non-availability of power, mechanical break down, less availability of water from the scheme than anticipated etc.

Schedule A-3—Deep Tubewells (Meant for irrigation and is complete)

Col. 1 : Serial No. of tubewell in the village may be noted in this column.

Col. 2 (a) : The owner of the tubewell may be Government Department/Organisations/Co-operative Society/Group of farmers.

Col. 2 (b) : Khasra No./Plot No. in which the tubewell is installed may also be noted in this column for physical verification etc. if needed at a later date.

Col. 3 : The year of commissioning of the scheme may be mentioned as :

1982-83.

1983-84.

1984-85.

1985-86.

1986-87.

For the schemes installed during the last 5 years and the schemes which are more than 5 years old may be indicated as before 1982-83.

Col. 4 : The diameter of the delivery pipe may be noted in m.m. and the depth of the tubewell may be noted in metres.

Col. 5 : The length of the surface pucca channel carrying water may be noted in metres.

Col. 6 : The length of the underground pipeline carrying water may be noted in metres.

Col. 7 : The purpose is to know whether the tubewell is in use at present or not in use. It will be noted as :

I. **In Use :** If tubewell is presently (i.e. during 1986-87) being used for irrigation.

II. **Not in use** (Temporarily) : If the tubewell is not in use (during 1986-87) due to temporary reasons. (State reasons also).

III. **Not in use** (Permanently) : If the tubewell is not in use Permanently. State reasons also.

Col. 8 : The device used for lifting the water from the tubewell should be mentioned which may be submersible pump or turbine pumps.

The H.P. of the prime mover is also to be indicated.

Col. 9 : A power line specifically meant for the supply of electricity to the tubewell is called a dedicated feeder. The year of connection is to be noted.

Col. 10 : It may be noted that how many hours of electricity in proper voltage is available during peak seasons for running the public tubewells.

Col. 11 : Under this col., the area which is proposed to be irrigated by the tubewell should be indicated in ha. It is generally the measure-

ment of the field proposed to be irrigated by the tubewell at the time of installation. In case the deep tubewell is very old and the CCA is not available the current maximum CCA of the deep tubewell is to be noted.

Col. 12 to 16 : It is intended to find out the potential created by having the irrigated structure. It will indicate that how much area is proposed to be irrigated under the scheme during the kharif, rabi, perennial crop and other crops at the time of installation. The total of col. 12 to 15 is to be noted in col. 16. These figures under col. 12 to 15 should be season-wise area proposed to be irrigated under the scheme at the time of installation. Col. 16 will indicate the gross irrigation potential created.

Col. 17 to 21 : In these col., the area actually irrigated during kharif, rabi, perennial crops and other crops is to be indicated in ha. The total of col. 17 to 20 is to be indicated in col. 21. The area irrigated under different seasons may be taken for the year 1986-87 i.e. commencing kharif in 1986 and ending rabi 1987. Col. 21 will indicate the gross irrigation potential utilised.

Col. 22 to 26 : The purpose is to find out the land area commanded by the present scheme which also receives irrigated by other schemes. The total of col. 22 to 25 is to be indicated in col. 26. Col. 26 will indicate the gross irrigated area of the scheme receiving supplementary irrigation.

Col. 27 : The idea is to find out the reason for the shortfall between the figures under the columns 16 and 21. The reasons could be non-availability of power, mechanical break-down, less availability of water from the scheme than anticipated etc.

Schedule A-4 Surface Flow Irrigation Scheme (Meant for irrigation and is complete)

Col. 1 : Serial No. of the scheme in the village may be noted in this column.

Col. 2(a) : The owner of the Surface Flow Irrigation Schemes may be farmer/cooperative society/Government department/organisations/ Group of farmers. The name of the scheme and the owner is to be indicated in this column.

Col. 2(b) : Khasra No. Plot No. in which the scheme is located may also be noted in this column for physical verification etc. if needed at a later date.

Col. 3 : The year of commissioning of the siheme need be mentioned as :

1982-83.

1983-84.

1984-85.

1985-86.

1986-87.

for the schemes installed during the last 5 years and the schemes which are more than 5 years old may be indicated as before 1982-83.

Col. 4 : Surface flow irrigation schemes are broadly classified into three types.

I. **Storage Schemes :** Under this heading should come all storage schemes including village ponds/tanks from which water is used for irrigation purpose.

II. Permanent Diversion.

III. Temporary Diversion.

The types of scheme according to the above classification is to be noted.

Col. 5 : The length of the pucca channel carrying water may be noted in metres.

Col. 6 : The purpose is to know whether the scheme is in use at present or not in use. It will be noted as :

I. **In Use :** If scheme is presently (i.e. during 1986-87) being used for irrigation.

II. **Not in Use** (Temporarily) : If the scheme is not in use (during 1986-87) due to temporary reasons. State reasons also.

III. **Not in Use** (Permanently) : If the scheme is not in use permanently. State reasons also.

Col. 7 : Under this col. the area, which is proposed to be irrigated by the scheme should be indicated ha. It is generally the measurement of the field proposed to be irrigated by the scheme at the time of installation. In case the scheme is very old and the C.C.A. is not vailable, the current max. C.C.A. is to be noted.

Col. 8 to 12 : It is intended to find out the total potential created by having the irrigation scheme. It will indicate that how much area is proposed to be irrigated under the scheme during kharif, rabi, perennial crop and other crops. The total of Col. 8 to 11 is to be noted in Col. 12. The figures under Columns 8, 9, 10 & 11 should be the season-wise area proposed to be irrigated under the scheme at the time of installation. Col. 12 will indicate the gross irrigation potential created.

Col. 13 to 17 : In these cols. the area actually irrigated during kharif, rabi, perennial crops and other crops is to be indicated in ha. The total of col. 13 to 16 is to be indicated in col. 17. The area irrigated under different seasons may be taken for the year 1986-87, i.e.

commencing kharif in 1986 and ending Rabi 1987. Col. 17 will indicate the gross irrigation potential utilized.

Col. 18 to 22 : The purpose is to find out the land area commanded by the present scheme which also receives irrigation by other schemes. The total of Col. 18 to 21 is to be indicated in col. 22. Col. 22 will indicate the gross irrigated area of the scheme receiving supplementary irrigation.

Col. No. 23 : The idea is to find out the reason for the shortfall between the figures under the columns 12 and 17. The reasons could be less availability of water from the scheme than anticipated etc.

Schedule : A-5 Surface Lift Irrigation scheme (meant for irrigation and is complete)

Col. 1 : Serial No. of the scheme in the village may be noted in this column.

Col. 2(a) : The owner of the surface lift irrigation schemes may be a farmer/Cooperative Society/Government Department/Organisations/Group of farmers. The name of the scheme and the owner is to be indicated in this Column.

Col. 2(b) : Khasra no./Plot no. in which the scheme is located may also be noted in the column for physical verificatioon etc. if needed at a later date.

Col. 3 : The year of commissioning of the scheme need be mentioned as :

1982-83.

1983-84.

1984-85.

1985-86.

1986-87.

For the scheme installed during the last 5 years and the schemes which are more than 5 years old may be indicated as before 1982-83.

Col. 4 : Surface Lift irrigation schemes are broadly classified into three types :

I. Lift on river/stream.

II. Lift on a drain/canal.

III. Lift on a tank/pond.

According to the above classification, the type of the scheme is to be noted.

Col. 5 : The purpose is to know whether the scheme is in use at present (i.e. during 1986-87) or not in use. It will be noted as :

I. **In Use :** If the scheme is presently (i.e. during 1986-87) being used for irrigation.

II. **Not in Use (Temporarily) :** If the scheme is not in use during 1986-87 due to temporary reasons. State reasons also.

III. **Not in Use (Permanently) :** If the scheme is not in use permanently. State reasons also.

Col. 6 & 7 : The type of water lifting device is to be indicated alongwith the horse power of the prime mover used. These devices may be :—

1. Electric operated pumpsets.
2. Diesel operated pumpsets.

Col. 8 : It may be noted that how many hours of electricity in proper voltage is available during peak seasons for running the scheme.

Col. 9 : Under this col., the areas which is proposed to be irrigated by the scheme should be indicated in ha. It is generally the measurement of the field proposed to be irrigated by the scheme at the time of installation. In case the scheme is very old and the CCA is not available the current maximum CCA of the scheme is to be noted.

Col. 10 to 14 : It is intended to find out the total potential created by having the irrigation scheme. It will indicate that how much area is proposed to be irrigated under the scheme during kharif, rabi, perennial crop and other crops. The total of Col. 10 to 13, is to be noted in col. 14. The figures under columns 10, 11, 12, 13 should be the seasonwise area proposed to be irrigated under the scheme at the time of installation. Col. 14 will indicate the gross irrigation potential created.

Col. 15 to 19 : In these cols., the area actually irrigated during Kharif, Rabi, Perennial crops and other crops is to be indicated in ha. The total of Col. 15 to 18 is to be indicated in col. 19. The area irrigated under different seasons may be taken for the year 1986-87 i.e. commencing Kharif, in 1986 and ending Rabi 1987.

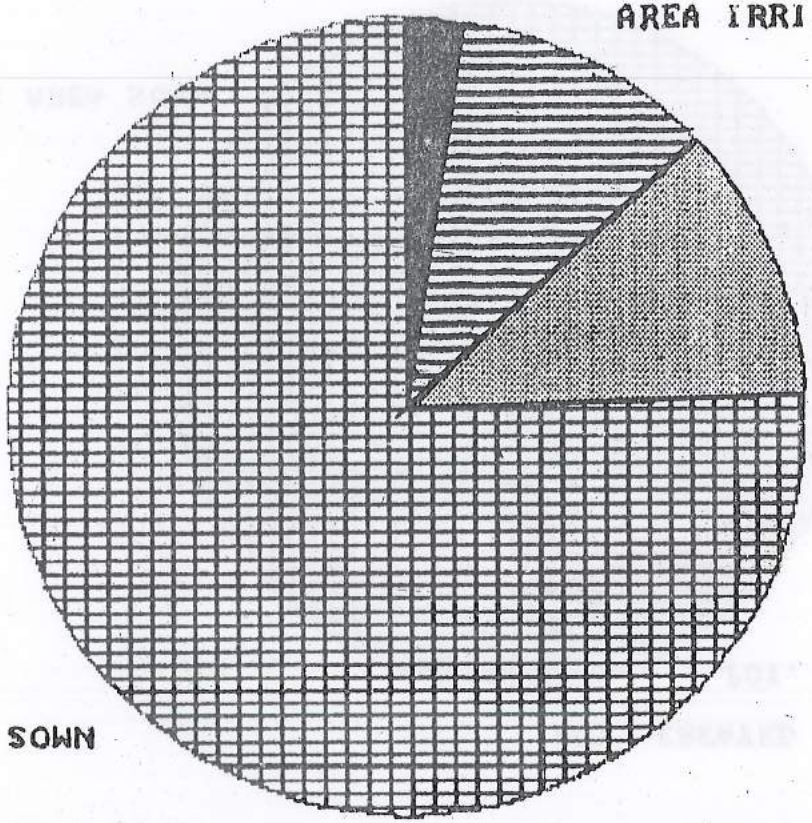
Col. 19 will indicate the gross irrigation potential utilised.

Col. 20 to 24 : The purpose is to find out the land area commanded by the present scheme which also receives irrigation by other schemes. The total of col. 20 to 23 is to be indicated in col. 24. Col. 24 will indicate the gross irrigated area of the scheme receiving supplementary irrigation.

Col. 25 : The idea is to be find out the reasons for the shortfall between the figures under the columns 14 and 19. The reasons could be less availability of power, less availability of water from the scheme than anticipated etc.

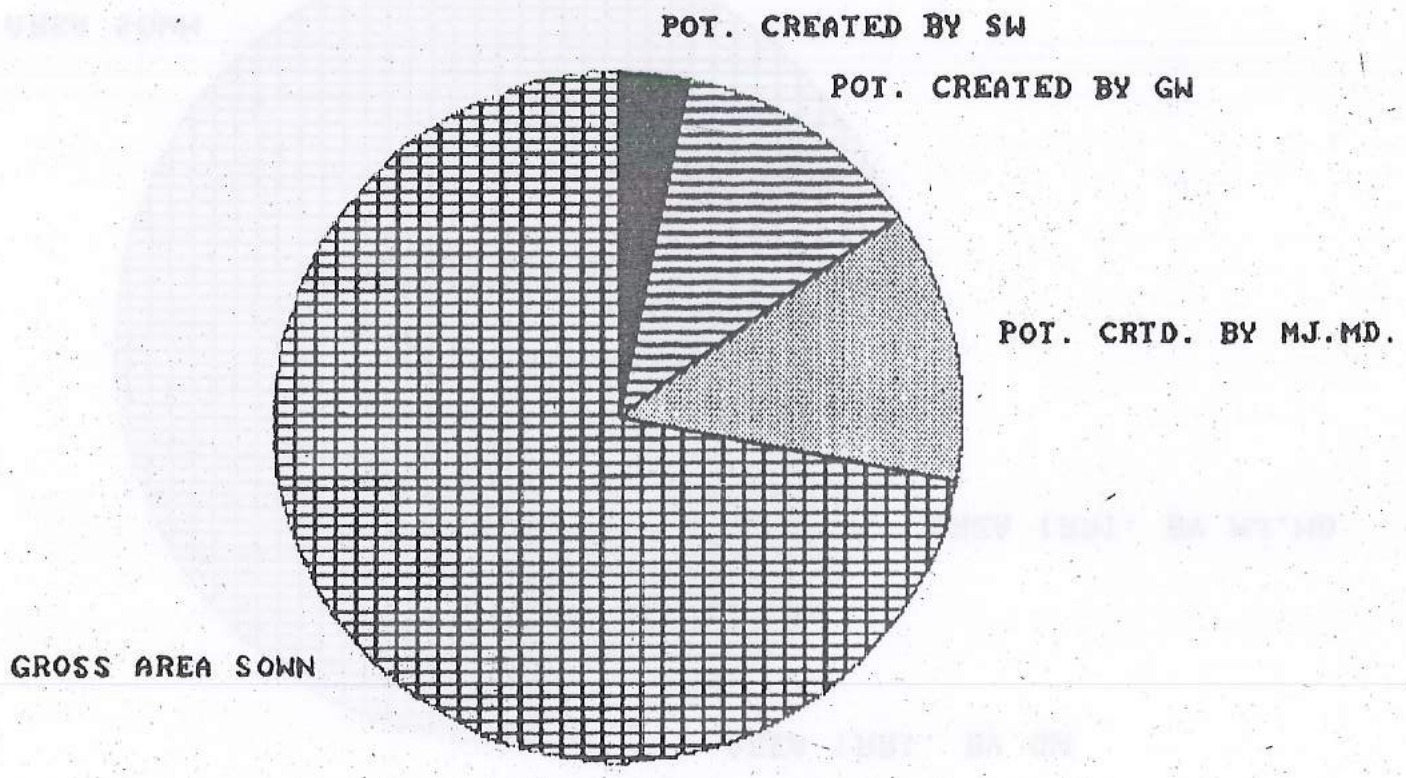
STATISTICAL CHARTS

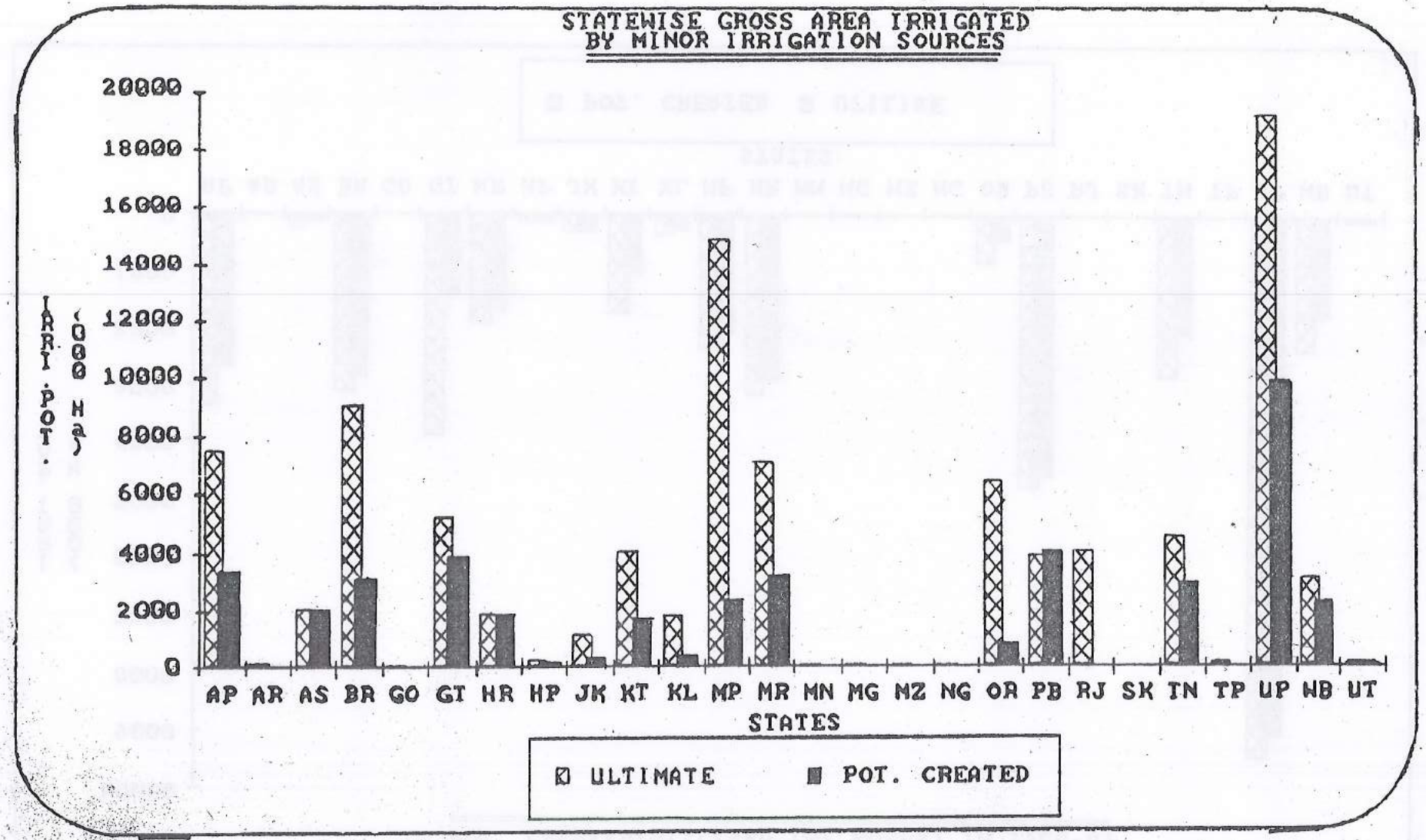
GROSS AREA IRRIGATED IN 1986-87

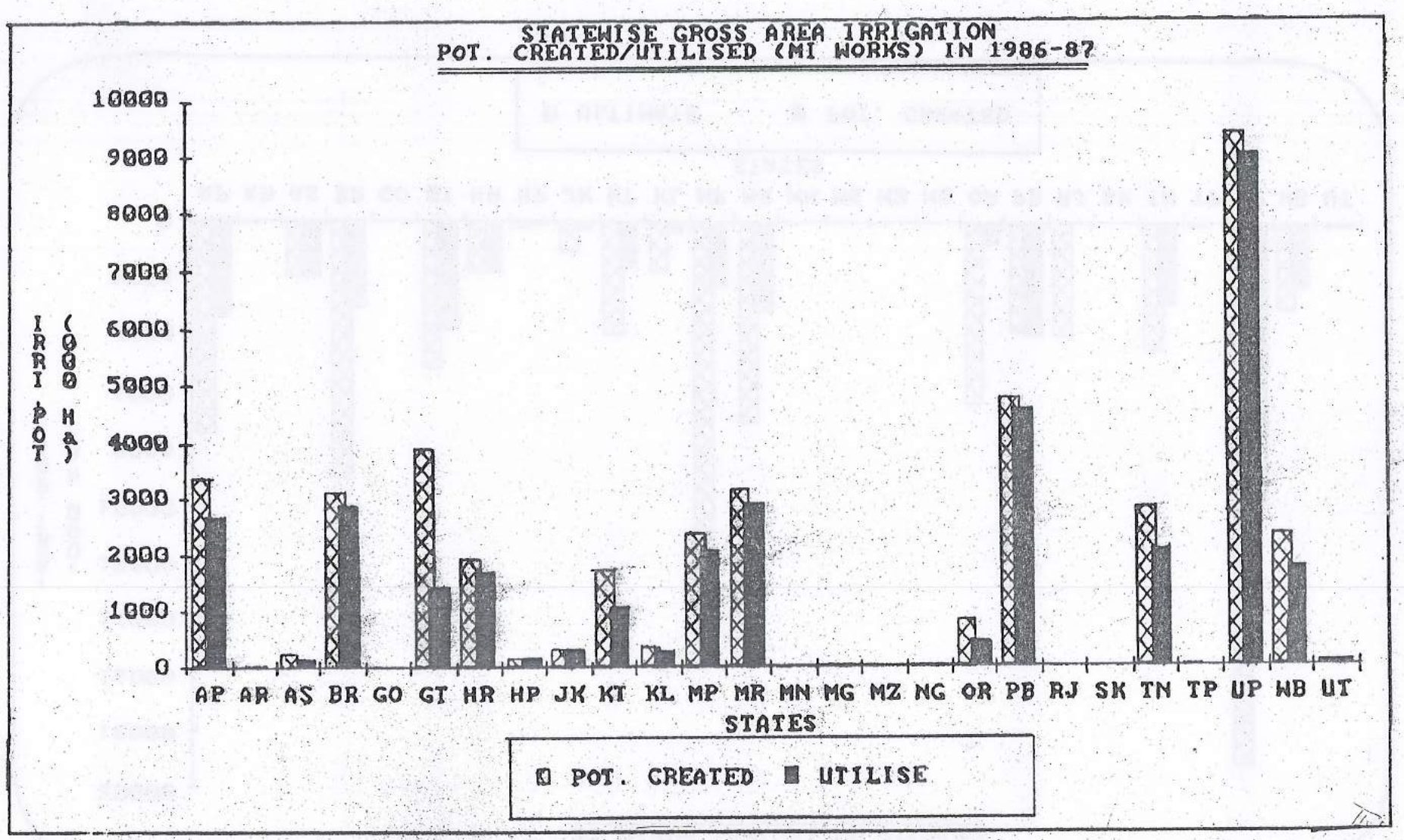


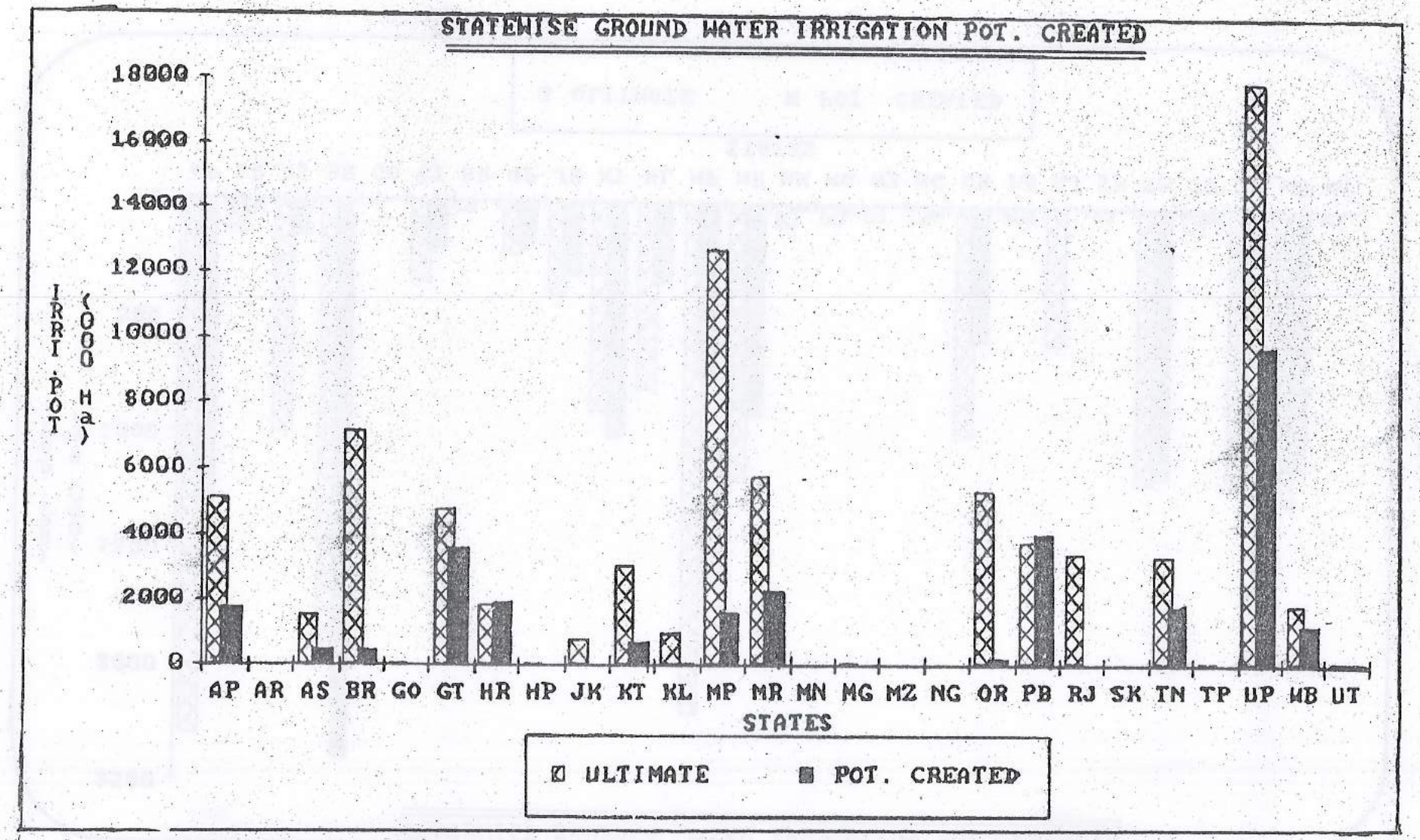
1988/Min of WR/NDH2

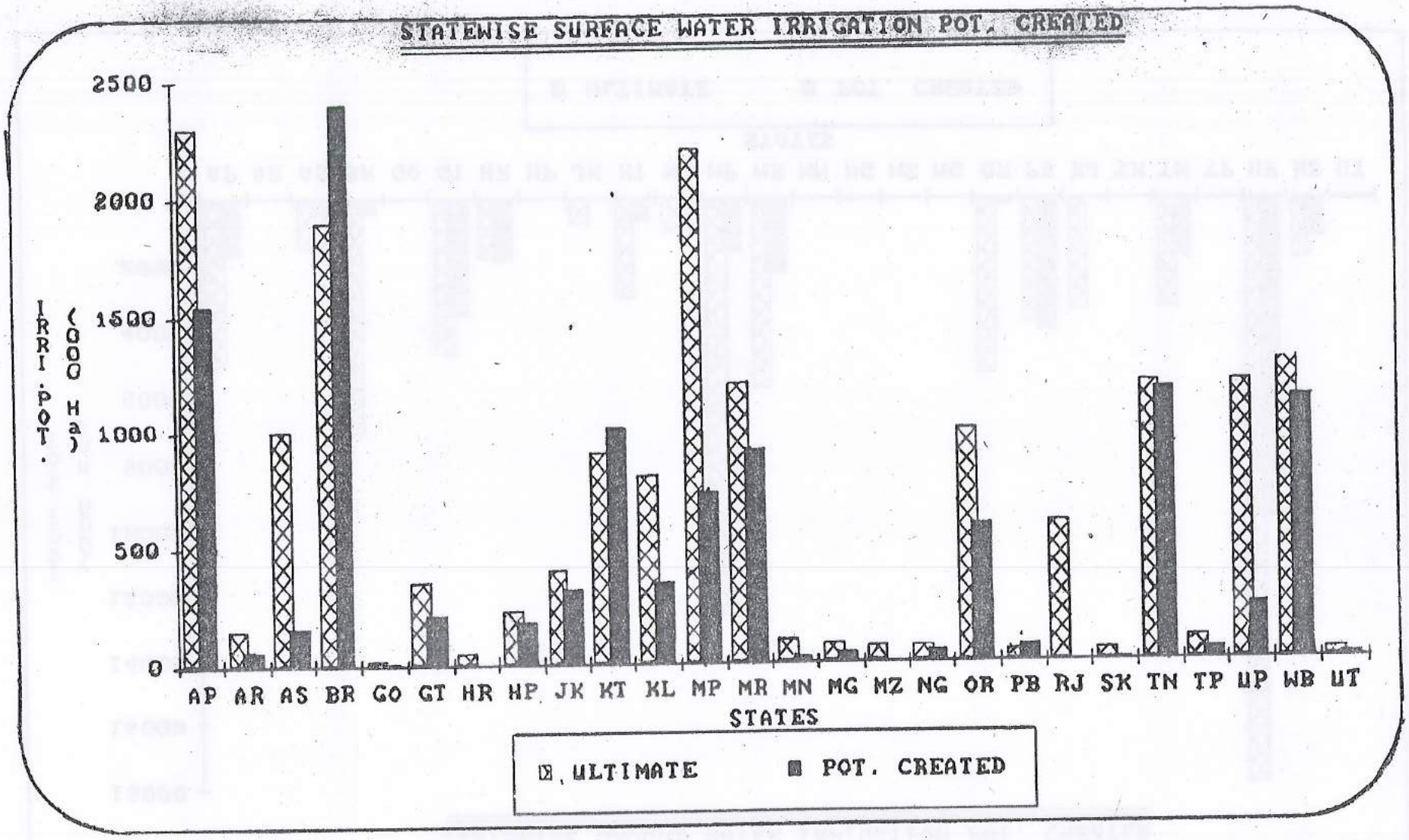
IRRIGATION POTENTIAL CREATED UPTO 1986-87

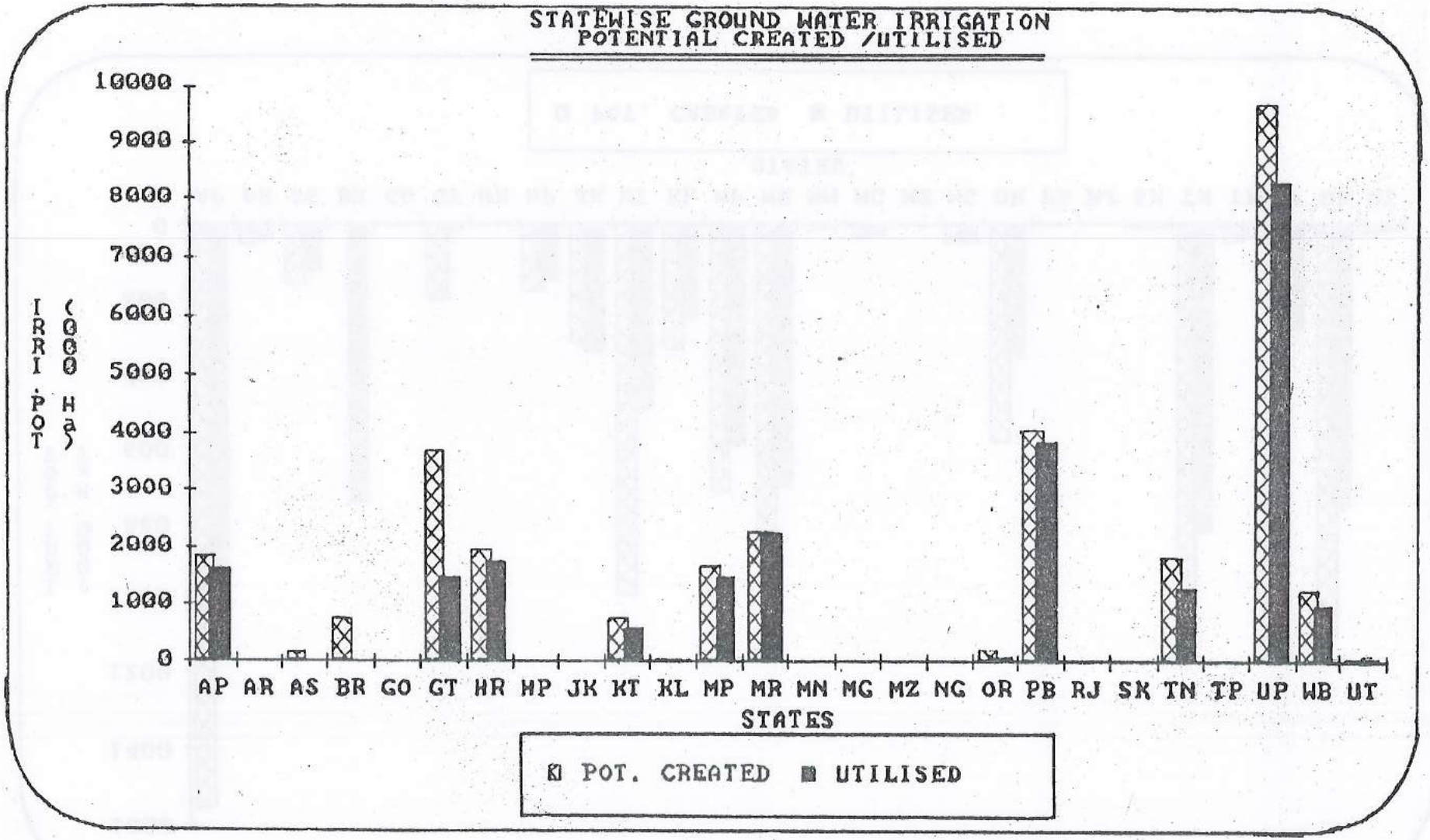


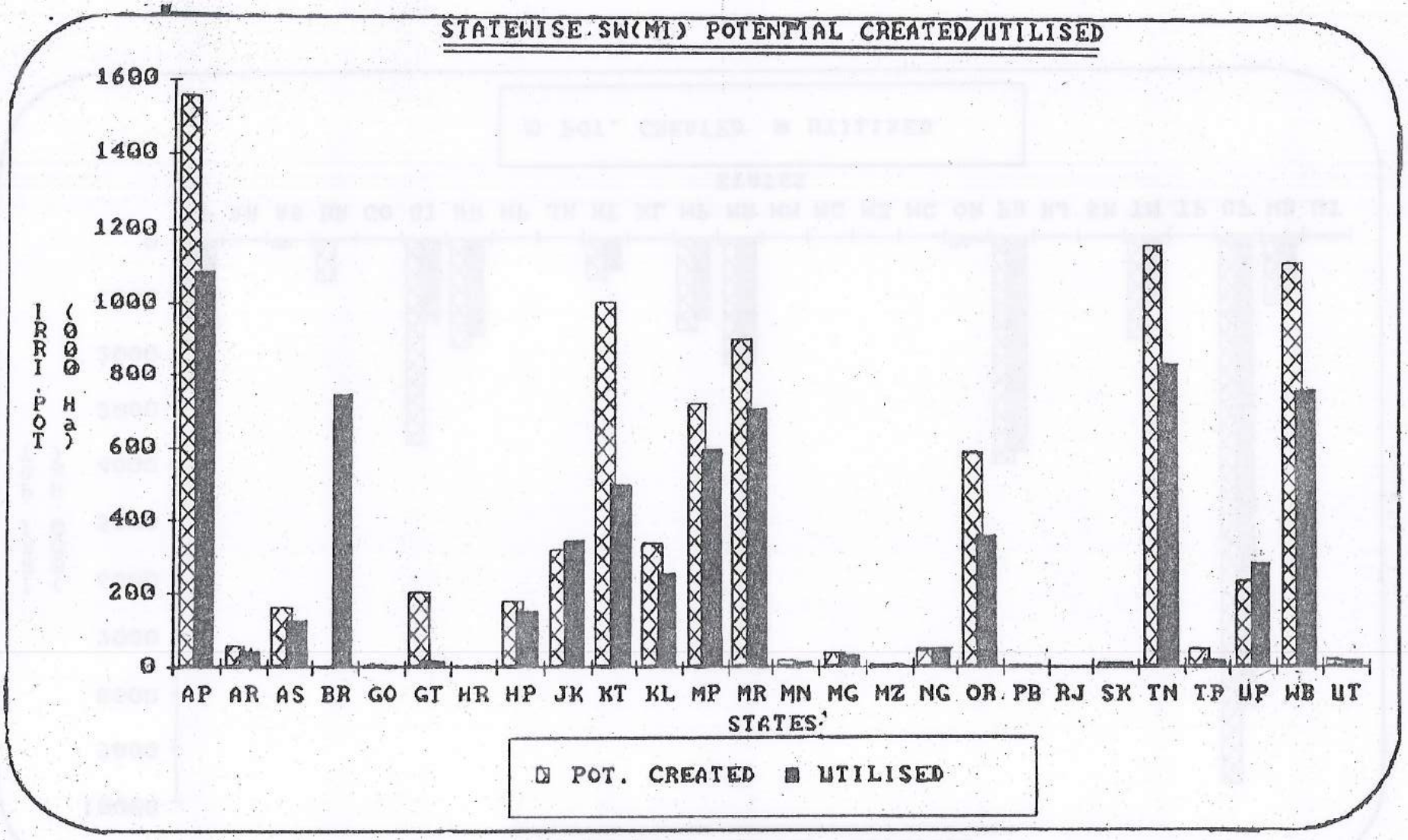

STATEWISE GROSS AREA IRRIGATED
BY MINOR IRRIGATION SOURCES
IRRI.POT. ('000 Ha)
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
AP AR AS BR GO GT HR HP JK KT KL MP MR MN MG MZ NG OR PB RJ SK TN TP UP WB UT
STATES
ULTIMATE
POT. CREATED

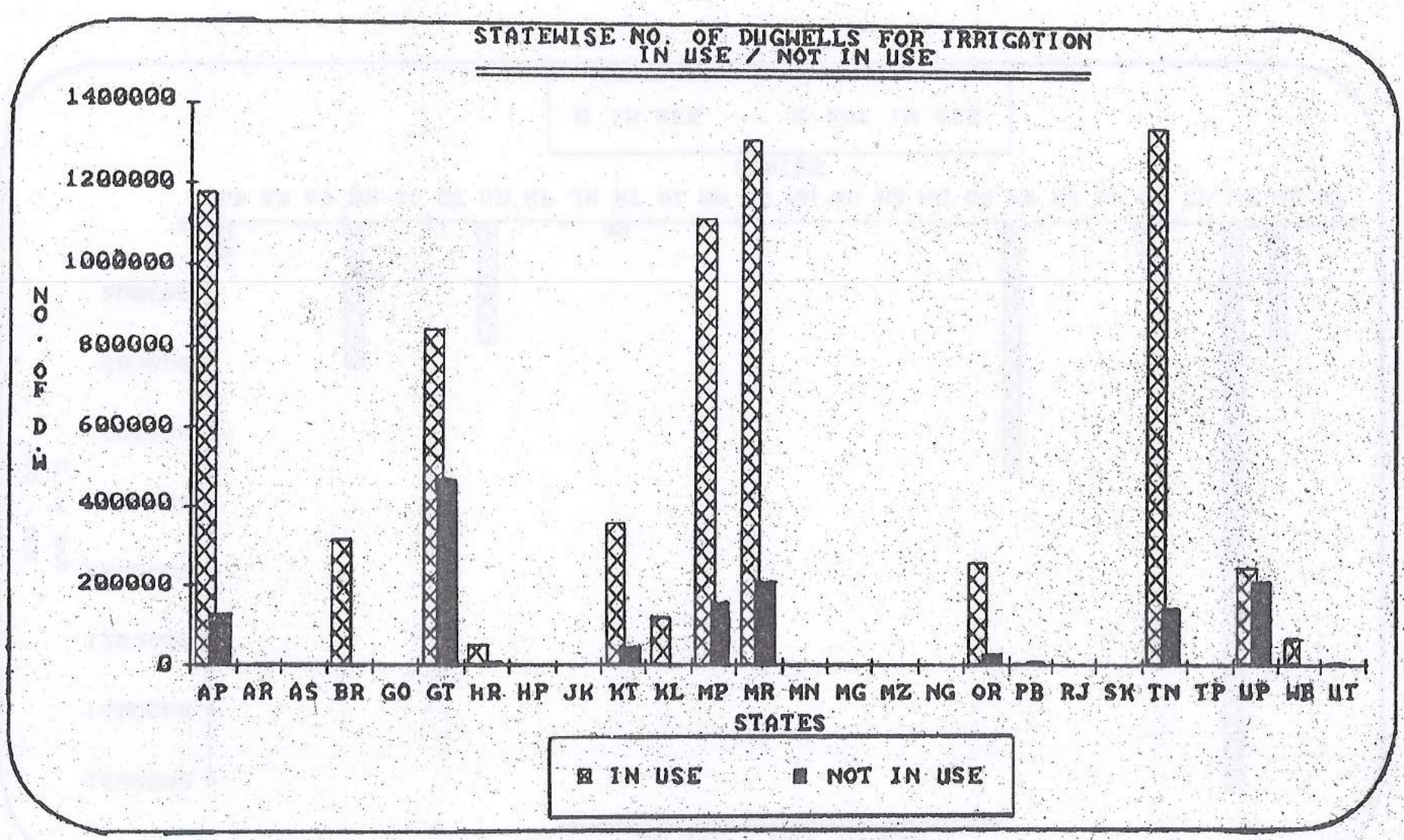

STATEWISE GROSS AREA IRRIGATION
POT. CREATED/UTILISED (MI WORKS) IN 1986-87
IRRI POT (000 HA)
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
AP AR AS BR GO GI HR HP JK KT KL MP MR MN MG MZ NG OR PB RJ SK TN TP UP WB UT
STATES
POT. CREATED
UTILISE

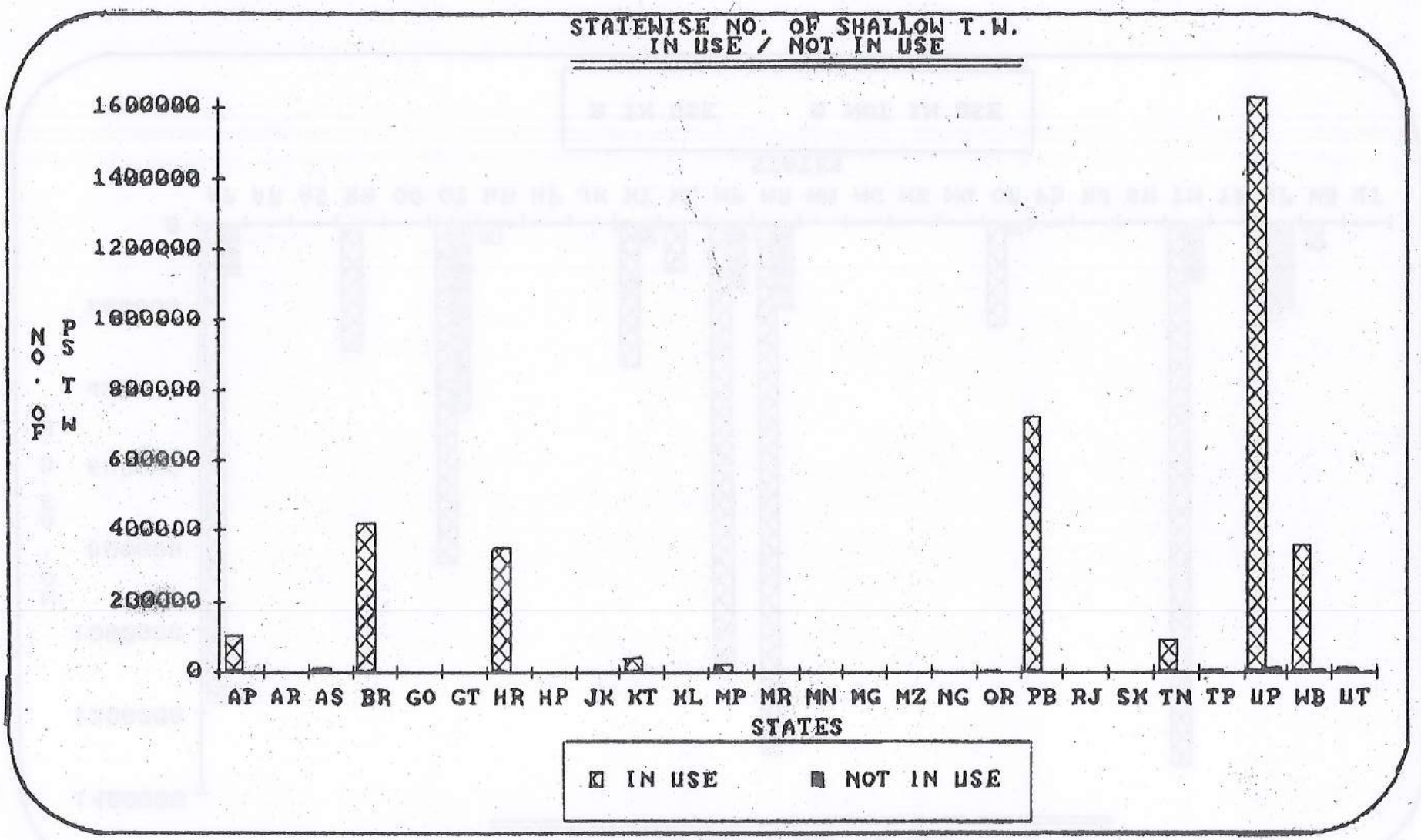

STATEWISE GROUND WATER IRRIGATION POT. CREATED
IRRI POT ('000 Ha)
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
AP AR AS BR GO GT HR HP JK KT KL MP MR MN MG MZ NG OR PB RJ SK TN TP UP WB UT
STATES
ULTIMATE
POT. CREATED

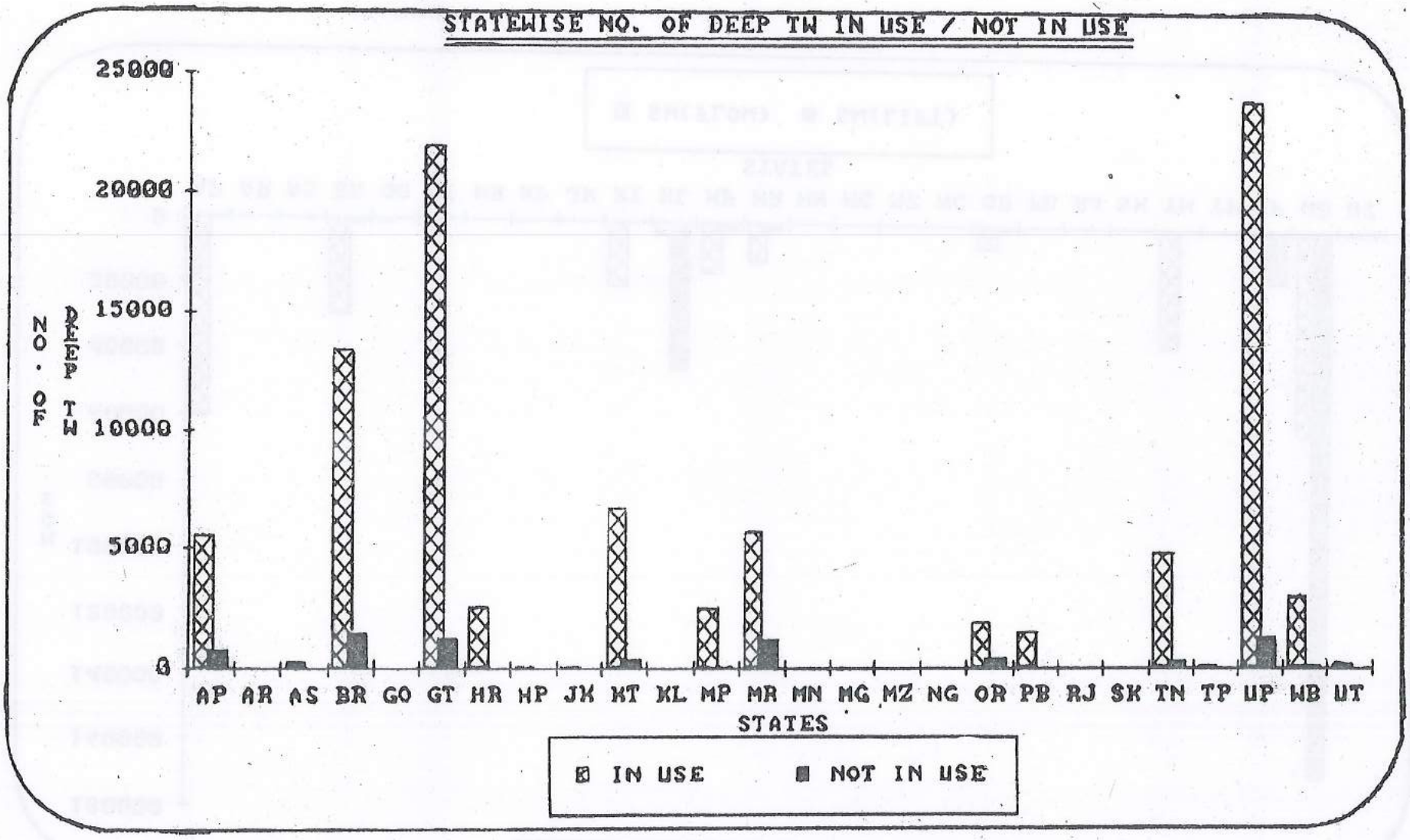

STATEWISE SURFACE WATER IRRIGATION POT. CREATED
IRRI. POT. (000 Ha)
2500
2000
1500
1000
500
0
AP AR AS BR GO GT HR HP JK KT KL MP MR MN MG MZ NG OR PB RJ SK TN TP UP WB UT
STATES
ULTIMATE
POT. CREATED

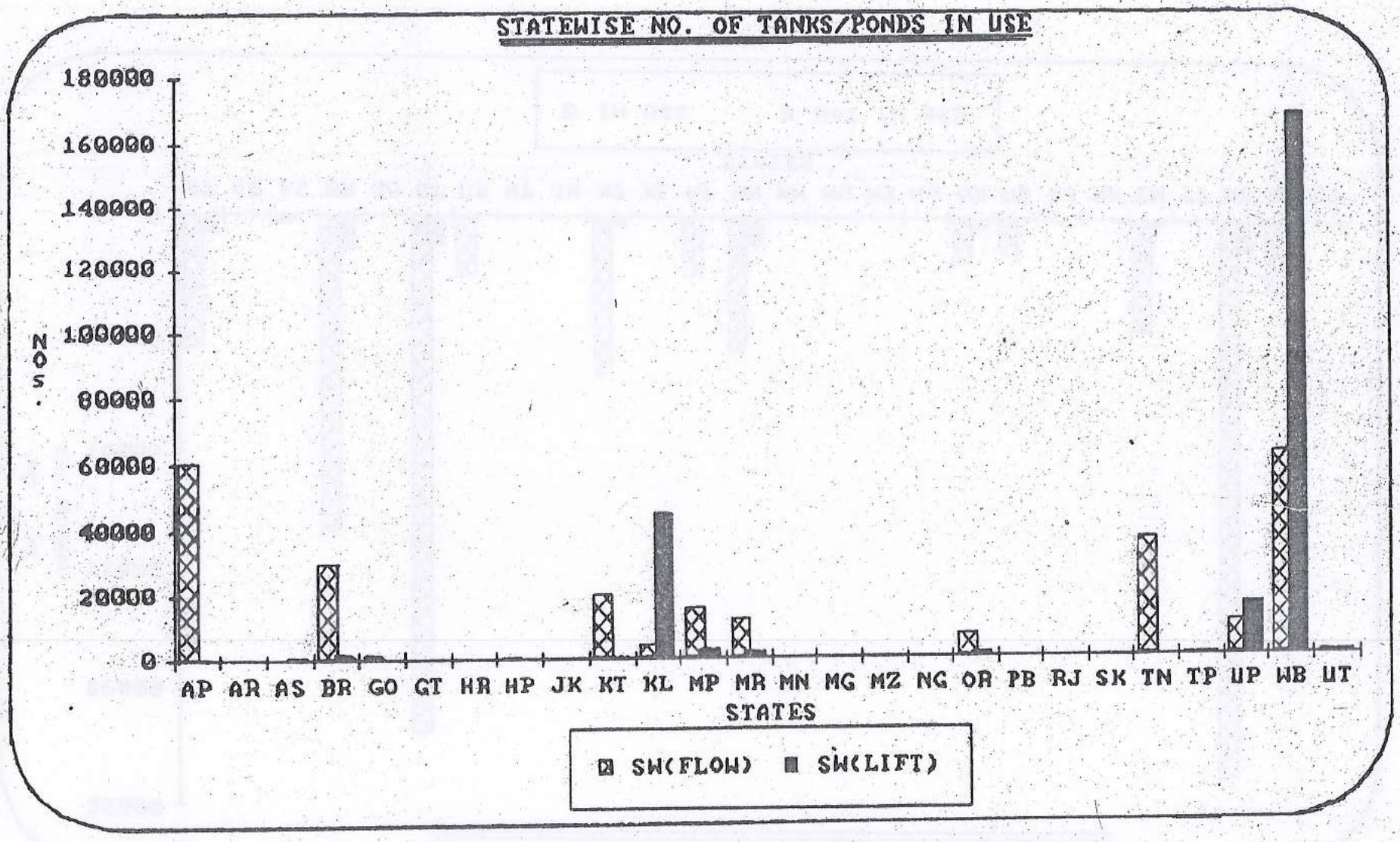

STATEWISE GROUND WATER IRRIGATION
POTENTIAL CREATED /UTILISED
IRRI.POT (000 Ha)
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
AP AR AS BR GO GT HR HP JK KT KL MP MR MN MG MZ NG OR PB RJ SK TN TP UP WB UT
STATES
POT. CREATED
UTILISED

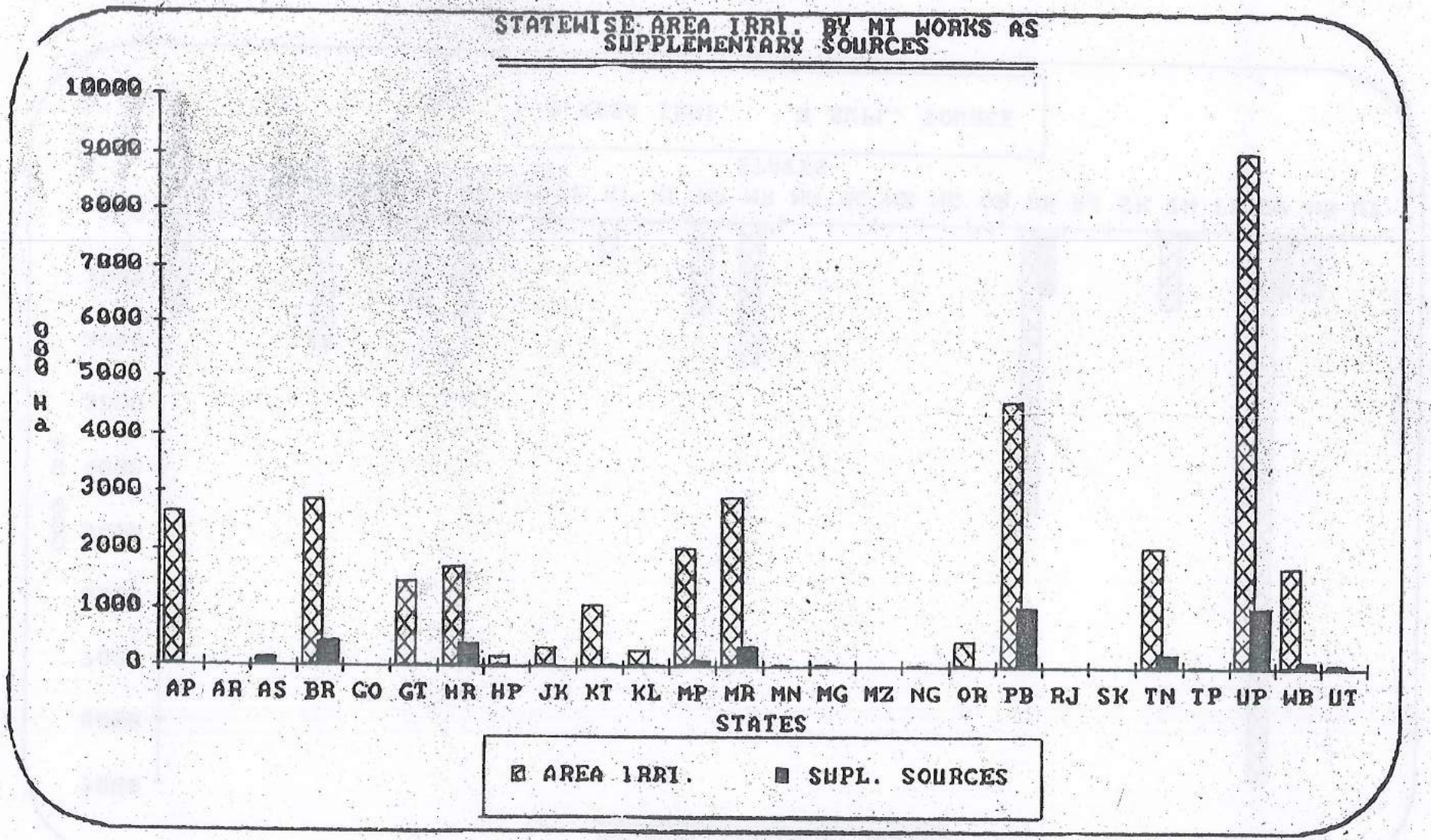

STATEWISE SW(MI) POTENTIAL CREATED/UTILISED
IRRI POT (000 Ha)
1600
1400
1200
1000
800
600
400
200
0
AP AR AS BR GO GT HR HP JK KT KL MP MR MN MG MZ NG OR PB RJ SK TN TP UP WB UT
STATES
POT. CREATED
UTILISED

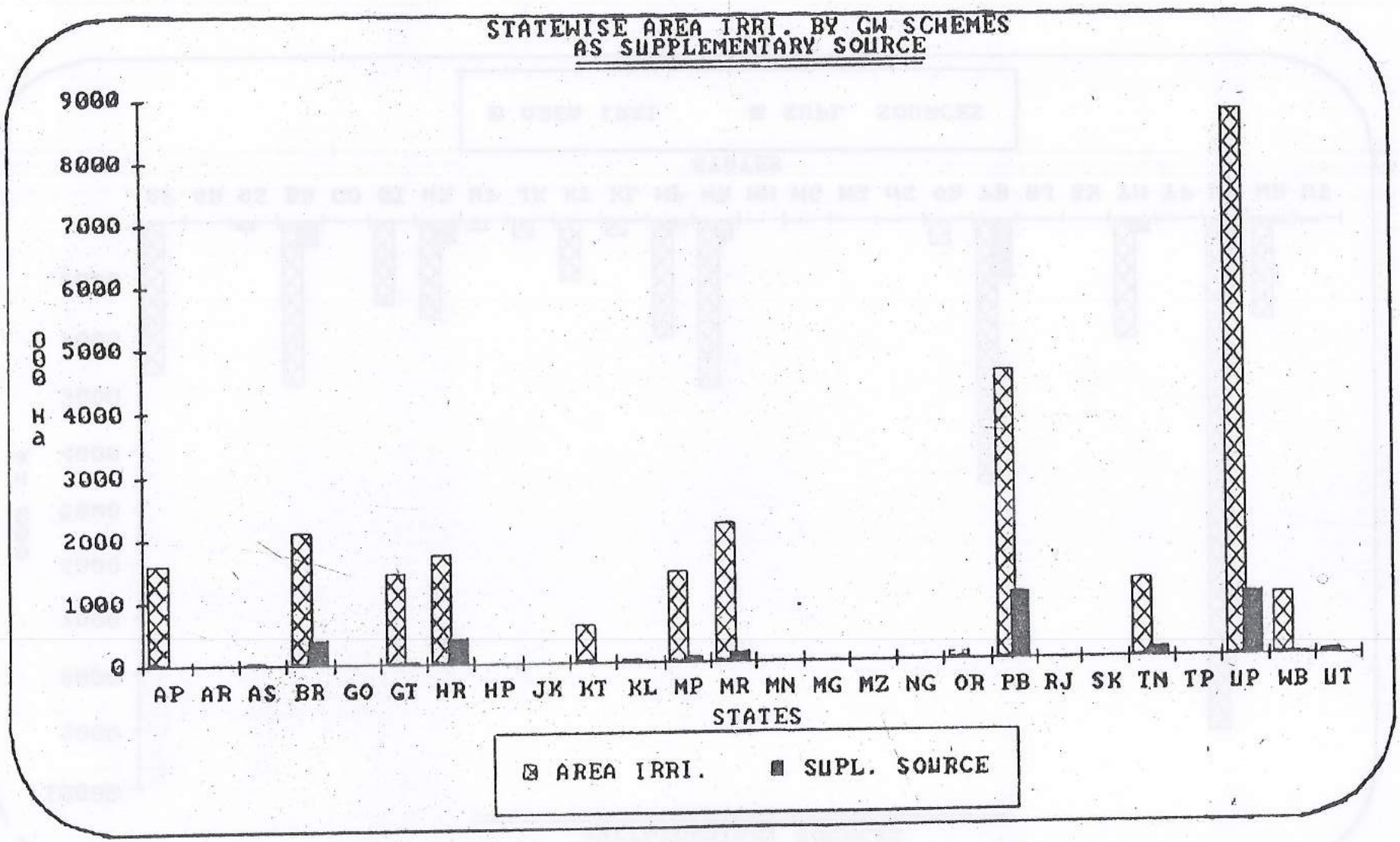

STATEWISE NO. OF DUGWELLS FOR IRRIGATION
IN USE / NOT IN USE
NO. OF D.W
1400000
1200000
1000000
800000
600000
400000
200000
0
AP AR AS BR GO GT HR HP JK KT KL MP MR MN MG MZ NG OR PB RJ SK TN TP UP WB UT
STATES
IN USE
NOT IN USE

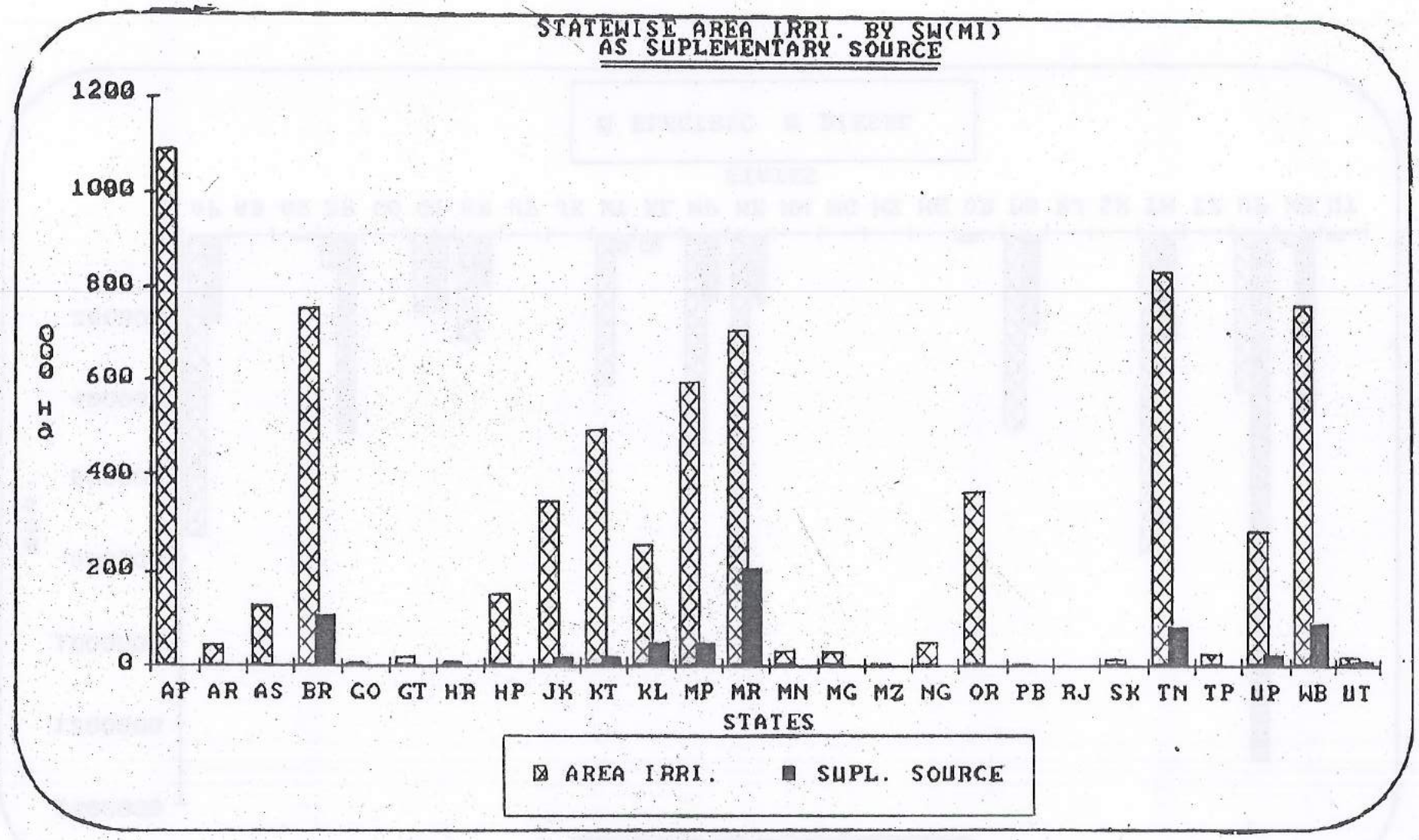

STATEWISE NO. OF SHALLOW T.W.
IN USE / NOT IN USE
NO. OF PS T W
1600000
1400000
1200000
1000000
800000
600000
400000
200000
0
AP AR AS BR GO GT HR HP JK KT KL MP MR MN MG MZ NG OR PB RJ SK TN TP UP WB UT
STATES
IN USE
NOT IN USE

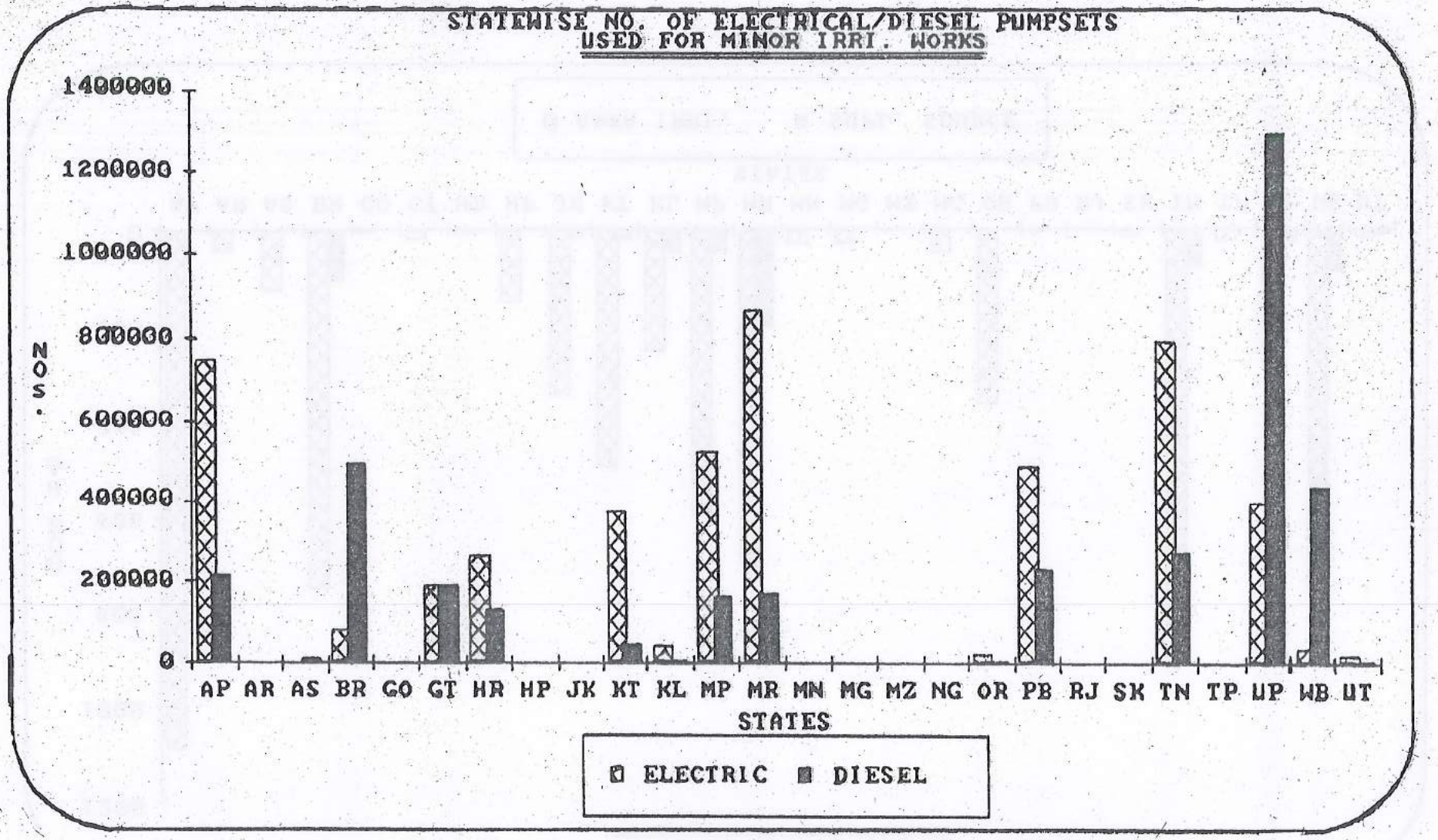

STATEWISE NO. OF DEEP TW IN USE / NOT IN USE
NO. OF DEEP TW
25000
20000
15000
10000
5000
0
AP AR AS BR GO GT HR HP JK KT KL MP MR MN MG MZ NG OR PB RJ SK TN TP UP WB UT
STATES
IN USE
NOT IN USE

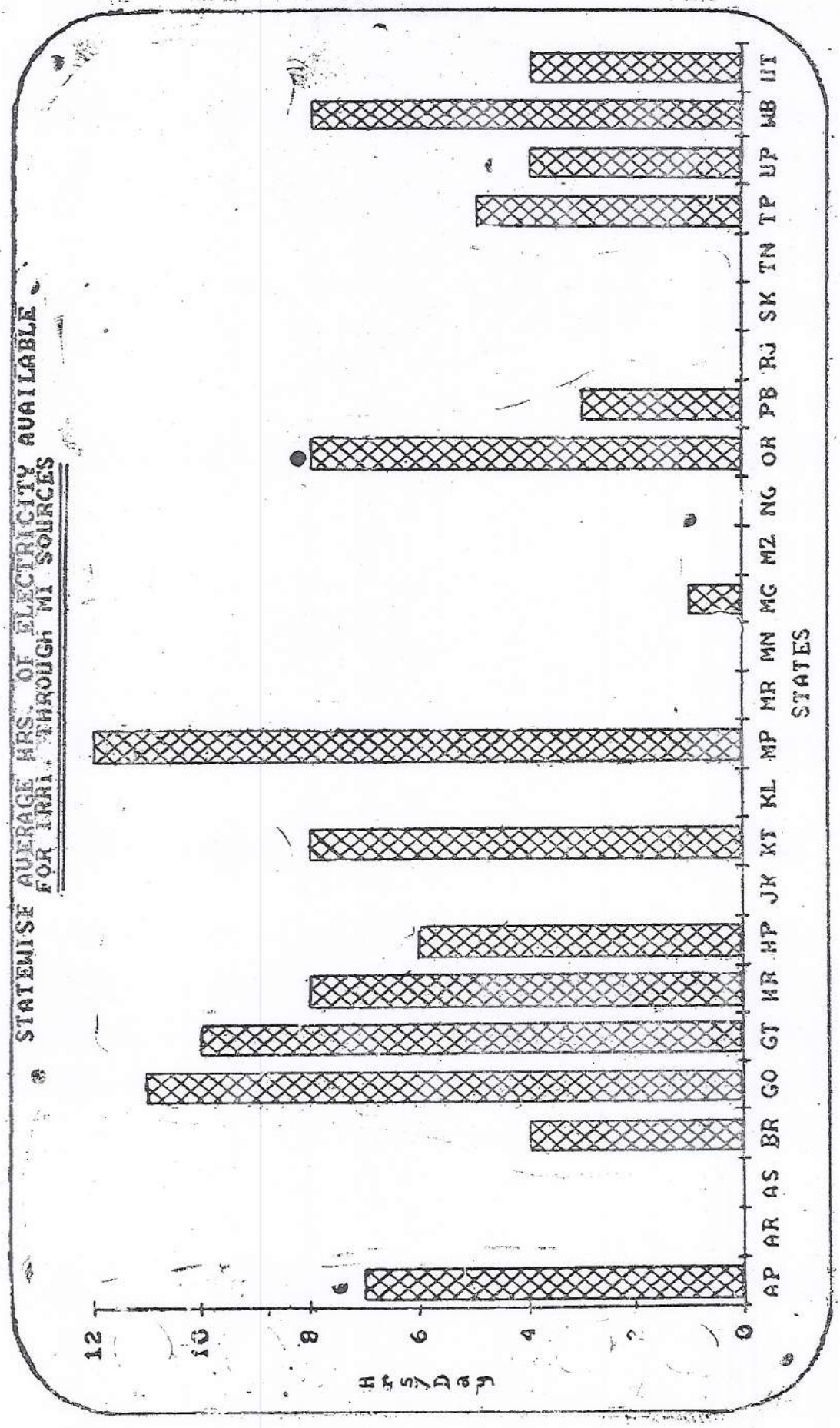

STATEWISE NO. OF TANKS/PONDS IN USE
180000
160000
140000
120000
100000
80000
60000
40000
20000
0
NOS.
AP AR AS BR GO GT HR HP JK KT KL MP MR MN MG MZ NG OR PB RJ SK TN TP UP WB UT
STATES
SW(FLOW)
SW(LIFT)

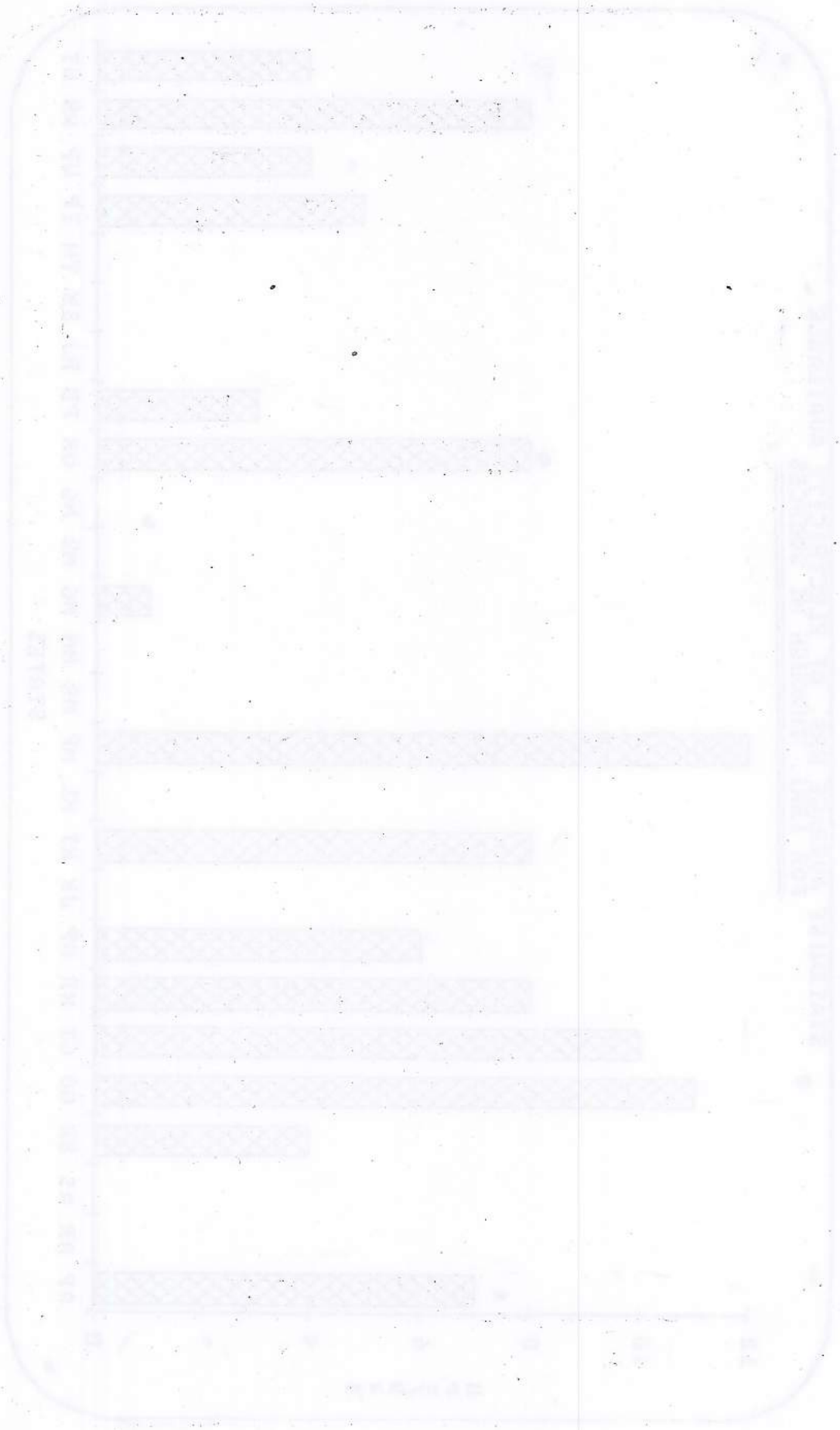

STATEWISE AREA IRRI. BY MI WORKS AS SUPPLEMENTARY SOURCES
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
000 Ha
AP AR AS BR GO GT HR HP JK KT KL MP MR MN MG MZ NG OR PB RJ SK TN TP UP WB UT
STATES
AREA IRRI.
SUPL. SOURCES


STATEWISE AREA IRRI. BY GW SCHEMES
AS SUPPLEMENTARY SOURCE
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
000 Ha
AP AR AS BR GO GT HR HP JK KT KL MP MR MN MG MZ NG OR PB RJ SK TN TP UP WB UT
STATES
AREA IRRI.
SUPL. SOURCE


STATEWISE AREA IRRI. BY SW(MI)
AS SUPLEMENTARY SOURCE
1200
1000
800
600
400
200
0
000 Ha
AP AR AS BR GO GT HR HP JK KT KL MP MR MN MG MZ NG OR PB RJ SK TN TP UP WB UT
STATES
AREA IRRI.
SUPL. SOURCE


STATEWISE NO. OF ELECTRICAL/DIESEL PUMPSETS
USED FOR MINOR IRRI. WORKS
1400000
1200000
1000000
800000
600000
400000
200000
0
NOS.
AP AR AS BR GO GT HR HP JK KT KL MP MR MN MG MZ NG OR PB RJ SK TN TP UP WB UT
STATES
ELECTRIC
DIESEL


STATEWISE AVERAGE HRS. OF ELECTRICITY AVAILABLE FOR IRRI. THROUGH MI SOURCES
Hrs/Day
0
2
4
6
8
10
12
AP AR AS BR GO GT HR HP JK KT KL MP MR MN MG MZ NG OR PB RJ SK TN TP UP WB UT
STATES



PART—II

STATISTICAL TABLES

MINOR IRRIGATION CENSUS (DUGWELLS)

1A. DUGWELLS INSTALLED OVER THE YEARS

Sl. No.	Name of State/UT	Before 82-83	Number of Dugwells Commissioned During 82-83	83-84	84-85	85-86	86-87	Total
1	2	3	4	5	6	7	8	9
1.	Andhra Pradesh	9,63,266	68,706	53,436	46,594	29,112	14,231	11,75,345
2.	Arunachal Pradesh	0	0	0	0	0	0	0
3.	Assam	87	861	51	233	77	78	1,387
4.	Bihar	1,95,609	29,535	19,403	21,104	21,378	30,227	3,17,256
5.	Goa	3,532	824	227	231	218	172	5,204
6.	Gujarat	7,15,788	32,804	20,642	21,078	23,060	25,691	8,39,063
7.	Haryana	31,771	1,184	1,472	1,738	1,869	1,391	39,425
8.	Himachal Pradesh	1,889	19	62	62	32	45	2,109
9.	Jammu & Kashmir	1,108	79	42	50	43	14	1,336
10.	Karnataka	3 06,921	26,344	23,774	20,740	16,896	11,184	4,05,859
11.	Kerala	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	1,24,021
12.	Madhya Pradesh	7,01,398	57,217	57,708	57,758	45,836	37,030	9,56,947
13.	Maharashtra	8,85,983	85,513	67,591	91,619	53,284	49,610	12,33,600
14.	Manipur	..	..	..	..	..	..	..
15.	Meghalaya	6	19	2	3	15	4	49
16.	Mizoram	..	..	..	..	..	..	..
17.	Nagaland	..	..	..	..	143	144	287
18.	Orissa	1,77,195	19,379	12,611	8,554	5,529	3,972	2,27,240
19.	Punjab	N.A.	N.A.	N.A.	N.A.	N.A	N.A.	21,332
20.	Rajasthan	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
21.	Sikkim	..	..	..	..	..	..	..
22.	Tamil Nadu	13,95,614	34,010	20,451	17,050	12,412	9,989	14,89,526
23.	Tripura	560	109	59	69	60	99	956
24.	Uttar Pradesh	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	4,60,887
25.	West Bengal	N.A	N.A.	N.A.	N.A.	N.A.	N.A.	66,190
	STATES TOTAL	53,80,727	3,56,603	2,77,531	2,86,883	2,09,964	1,92,544	73,67,919
26.	Andaman & Nicobar	..	..	..	..	..	..	..
27.	Chandigarh	28	..	..	..	..	..	28
28.	Dadra & Nagar Haveli	..	..	..	..	..	..	
29.	Daman & Diu	..	..	..	..	..	..	..
30.	Delhi	..	..	..	..	..	..	..
31.	Lakshadweep	..	..	..	..	..	..	..
32.	Pondicherry	3,872	905	195	78	85	101	5,236
	UTs. TOTAL	3,900	905	195	78	85	101	5,264
	GRAND TOTAL	53,84,627	3,57,508	2,77,726	2,86,961	2,10,049	1,92,645	73,73,183

MINOR IRRIGATION CENSUS (DUGWELLS)

2A. DUGWELLS IN USE BY ITS TYPE

Sl. No.	Name of State/Ut.	Type of Dugwells Commissioned (in nos.)					
		Not in use	IN USE				Total
			Pucca	Kutcha	Dug Cum Br. Well	Total (4+5+6)	(3+7)
1	2	3	4	5	6	7	8
1.	Andhra Pradesh	1,30,730	2,88,459	6,42,662	1,13,494	10,44,615	11,75,345
2.	Arunachal Pradesh	..	..	..	..	..	..
3.	Assam	-	407	980	..	1,387	1,387
4.	Bihar	19,366	2,47,176	32,007	39,075	3,18,258	3,37,624
5.	Goa	338	2,204	2,657	5	4,866	5,204
6.	Gujarat	4,63,923	2,77,505	67,824	29,811	3,75,140	8,39,063
7.	Haryana	11,295	8,513	4,484	15,133	28,130	39,425
8.	Himachal Pradesh	170	1,584	194	161	1,939	2,109
9.	Jammu & Kashmir	32	302	977	25	1,304	1,336
10.	Karnataka	48,335	1,16,033	2,00,949	40,533	3,57,515	4,05,850
11.	Kerala	NA.	M.A.	N.A.	N.A.	1,24,021	1,24,021
12.	Madhya Pradesh	1,60,870	6,02,067	3,30,655	24,225	9,56,947	11,17,817
13.	Maharashtra	2,12,619	5,97,224	5,67,713	12,605	11,77,542	13,90,161
14.	Manipur	..	..	..	..	..	..
15.	Meghalaya	..	2	47	...	49	49
16.	Mizoram.	..	..	..	...	..	..
17.	Nagaland	..	163	124	..	287	287
18.	Orissa	29,832	1,30,083	66,693	632	1,97,408	2,27,240
19.	Punjab	14,197	5,147	15	1,873	7,035	21,232
20.	Rajasthan	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
21.	Sikkim	..	..	..	..	..	..
22.	Tamil Nadu	143,301	9,33,881	3,89,530	22,814	13,46,225	14,89,526
23.	Tripura	123	169	662	2	833	956
24.	Uttar Pradesh	2,14,997	1,78,948	10,414	56,821	2,46,183	4,61,180
25.	West Bengal	2,802	27,799	32,639	147	60,585	63,387
	STATES TOTAL	14,52,930	34,17,666	23,51,226	3,57,356	62,50,269	77,03,199
26.	Andaman & Nicobar	..	..	..	..	..	..
27.	Chandigarh	25	3	..	..	3	28
28.	Dadra & Nagar Haveli	31	192	6	2	200	231
29.	Daman & Diu	82	712	28	1	741	823
30.	Delhi	..	..	..	..	..	..
31.	Lakshadweep	..	..	..	..	..	..
32.	Pondicherry	224	324	3	4,685	5,012	5,236
	UTs. TOTAL	362	1,231	37	4,688	5,956	6,318
	GRAND TOTAL	14,53,292	34,18,897	23,51,263	3,62,044	62,56,025	77,09,517

MINOR IRRIGATION CENSUS (DUGWELLS)

3A. DUG WELLS OWNED BY FARMERS IN DIFFERENT HOLDING SIZE GROUP

Sl. No.	Name of State/UT.	No. of Wells with farmers in holding size			
		0-1(ha)	1-2 (ha)	Others	Total
1	2	3	4	5	6
1.	Andhra Pradesh	4,27,807	4,41,049	3,90,654	12,59,510
2.	Arunachal Pradesh	..	..	..	..
3.	Assam	743	519	125	1,387
4.	Bihar	99,892	1,08,947	1,09,419	3,18,258
5.	Goa	4,027	765	412	5,204
6.	Gujarat	94,470	1,66,173	5,78,420	8,39,063
7.	Haryana	6,436	9,111	23,878	39,425
8.	Himachal Pradesh	639	617	853	2,109
9.	Jammu & Kashmir	646	150	540	1,336
10.	Karnataka	84,615	1,12,859	2,08,419	4,05,893
11.	Kerala	N.A.	N.A.	N.A.	N.A.
12.	Madhya Pradesh	1,21,761	2,15,544	6,19,642	9,56,947
13.	Maharashtra	3,48,514	4,03,786	7,46,193	14,98,493
14.	Manipur	..	..	..	..
15.	Meghalaya	33	13	3	49
16.	Mizoram	..	..	..	..
17.	Nagaland	192	95	..	287
18.	Orissa	61,626	69,384	96,230	2,27,240
19.	Punjab	2,311	1,929	2,795	7,035
20.	Rajasthan	N.A.	N.A.	N.A.	N.A.
21.	Sikkim	..	..	..	..
22.	Tamil Nadu	6,46,178	4,22,157	4,21,191	14,89,526
23.	Tripura	608	253	95	956
24.	Uttar Pradesh	91,160	73,320	56,674	2,21,154
25.	West Bengal	34,308	18,820	10,259	63,387
	STATES TOTAL	20,25,966	20,45,491	32,65,802	73,37,259
26.	Andaman & Nicobar	..	..	..	..
27.	Chandigarh	3	..	1	4
28.	Dadra & Nagar Haveli	25	40	166	231
29.	Daman & Diu	..	..	..	..
30.	Delhi	..	..	..	..
31.	Lakshadweep	..	..	..	..
32.	Pondicherry	2,231	1,514	1,491	5,236
	UTs. TOTAL	2,259	1,554	1,658	5,471
	GRAND TOTAL	20,28,225	20,47,045	32,67,460	73,42,730

MINOR IRRIGATION CENSUS (DUGWELLS)

4A. DUGWELLS OWNED BY FARMERS ACCORDING TO THEIR SOCIAL STATUS

Sl. No.	Name of State/UT.	No. of Dugwells belonging to			
		SC	ST	Others	Total (Col. 3 to Col. 5)
1	2	3	4	5	6
1.	Andhra Pradesh	1,31,909	74,626	10,52,975	12,59,510
2.	Arunachal Pradesh	..	..	..	..
3.	Assam	40	159	1,188	1,387
4.	Bihar	28,529	62,700	2,25,879	3,17,108
5.	Goa	12	..	5,192	5,204
6.	Gujarat	20,242	62,941	7,55,880	8,39,063
7.	Haryana	1,490	..	37,935	39,425
8.	Himachal Pradesh	105	13	1,991	2,109
9.	Jammu & Kashmir	45	..	1,291	1,336
10.	Karnataka	18,376	10,769	3,76,715	4,05,860
11.	Kerala	N.A.	N.A.	N.A.	N.A.
12.	Madhya Pradesh	80,409	1,31,989	7,44,549	9,56,947
13.	Maharashtra	74,728	46,387	13,30,936	14,52,051
14.	Manipur	..	..	..	..
15.	Meghalaya	..	49	..	49
16.	Mizoram.	..	..	..	..
17.	Nagaland	4	283	..	287
18.	Orissa	15,082	61,746	1,50,412	2,27,240
19.	Punjab	271	..	6,764	7,035
20.	Rajasthan	N.A.	N.A.	N.A.	N.A.
21.	Sikkim	..	..	..	..
22.	Tamil Nadu	1,06,275	18,571	13,64,680	14,89,526
23.	Tripura	179	393	384	956
24.	Uttar Pradesh	28,557	187	2,17,036	2,45,780
25.	West Bengal	11,639	9,720	42,028	63,387
	STATES TOTAL	5,17,892	4,80,533	63,15,835	73,14,260
26.	Andaman & Nicobar	..	..	..	..
27.	Chandigarh	..	..	28	28
28.	Dadra & Nagar Haveli	2	105	124	231
29.	Daman & Diu	5	23	803	831
30.	Delhi	..	..	..	..
31.	Lakshadweep	..	..	..	..
32.	Pondicherry	159	..	5,077	5,236
	UTs. TOTAL	166	128	6,032	6,326
	GRAND TOTAL	5,18,058	4,80,661	63,21,867	73,20,586

S C : Scheduled Caste

S T : Scheduled Tribe

MINOR IRRIGATION CENSUS (DUGWELLS)

5A. DUGWELLS BY WATER LIFTING DEVICES USED

Sl. No.	Name of State/UT.	No. of Dugwells not in use	No. of Dugwells with Lifting Devices				
			Electric Pump	Diesel Pump	Man/ Animal	Others	Total (Col. 4 to Col. 7)
1	2	3	4	5	6	7	8
1.	Andhra Pradesh	1,30,730	6,41,968	1,99,400	1,40,122	64,300	11,76,520
2.	Arunachal Pradesh	..	..	..	..	..	..
3.	Assam	..	..	..	874	513	1,387
4.	Bihar	19,366	25,496	1,08,028	1,93,814	..	3,46,704
5.	Goa	338	1,616	183	2,783	282	5,204
6.	Gujarat	4,63,923	1,63,884	1,86,434	14,186	10,636	8,39,063
7.	Haryana	11,295	36,522	2,766	59	78	50,720
8.	Himachal Pradesh	170	987	479	615	28	2,279
9.	Jammu & Kashmir	32	237	49	1,038	12	1,368
10.	Karnataka	48,335	3,02,793	42,384	32,964	23,216	4,49,692
11.	Kerala	..	..	..	..	1,24,021	1,24,021
12.	Madhya Pradesh	1,60,870	4,69,974	1,31,483	3,42,257	13,233	11,17,817
13.	Maharashtra	2,12,619	8,12,637	1,63,435	75,061	45,559	13,09,311
14.	Manipur	..	..	..	..	..	..
15.	Meghalaya	..	..	..	49	..	49
16.	Mizoram	..	..	..	..	..	..
17.	Nagaland	..	..	15	272	..	287
18.	Orissa	29,832	8,592	5,226	1,90,353	23,069	2,57,072
19.	Punjab	14,197	2,597	2,155	2,035	248	21,232
20.	Rajasthan	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
21.	Sikkim	..	..	..	..	..	..
22.	Tamil Nadu	1,43,301	7,20,310	2,43,894	3,30,620	51,401	14,89,526
23.	Tripura	123	..	..	886	70	1,079
24.	Uttar Pradesh	2,14,997	4,626	46,208	1,77,389	17,667	4,60,887
25.	West Bengal	2,802	93	10,857	49,986	2,452	66,190
	STATES TOTAL	14,52,930	31,92,332	11,42,998	15,55,363	3,76,785	77,20,408
26.	Andaman & Nicobar	..	..	..	..	..	..
27.	Chandigarh	25	..	..	28	..	53
28.	Dadra & Nagar Haveli	31	179	16	10	1	237
29.	Daman & Diu	82	547	207	71	56	963
30.	Delhi	..	..	..	..	..	..
31.	Lakshadweep	..	..	..	..	..	..
32.	Pondicherry	224	5,211	25	..	..	5,460
	UTs. TOTAL	362	5,937	248	109	57	6,713
	GRAND TOTAL	14,53,292	31,98,269	11,43,246	15,55,472	3,76,842	77,27,121

MINOR IRRIGATION CENSUS (DUGWELLS)

6A. AREA BENEFITTED BY DUGWELLS

(In HA)

Sl. No.	Name of States/UTs.	Cultur able Command Area (in ha)	Gross Irri. Pot. Created (in ha)	Area Irrigated by Dugwells				
				Kharif	Rabi	Perenl	Others	Total (Col. 5 to Col. 8)
1	2	3	4	5	6	7	8	9
1.	Andhra Pradesh	13,39,411	14,80,634	6,97,488	4,96,730	47,219	33,715	12,75,152
2.	Arunachal Pradesh	..	..	..	..	..	..	..
3.	Assam	483	486	30	24	4	257	315
4.	Bihar	4,42,613	4,92,633	2,03,599	1,99,306	23,343	18,165	4,44,413
5.	Goa	3,185	3,493	11	437	1,092	405	1,945
6.	Gujarat	23,39,958	30,22,381	3,84,334	4,35,465	48,640	1,15,789	9,84,228
7.	Haryana	81,225	86,424	13,395	71,691	514	22	85,622
8.	Himachal Pradesh	3,367	5,362	1,696	2,370	187	217	4,470
9.	Jammu & Kashmir	714	925	548	478	2	4	1,032
10.	Karnataka	5,71,563	6,20,263	2,56,470	1,10,741	76,974	52,804	4,96,989
11.	Kerala	—	55,047	..	55,047	..	..	55,047
12.	Madhya Pradesh	17,83,575	15,42,167	2,05,207	11,20,160	15,001	3,137	13,43,505
13.	Maharashtra	31,97,762	22,60,650	7,81,559	8,58,407	3,89,126	1,69,194	21,98,286
14.	Manipur	—	—	—	..	—	..	—
15.	Meghalaya	276	340	246	36	13	12	307
16.	Mizoram	—	—	—	..	..	..	..
17.	Nagaland	303	88	88	..	..	..	88
18.	Orissa	84,755	1,06,569	36,962	21,892	2,332	1,894	63,080
19.	Punjab	15,163	26,916	10,896	12,653	363	273	24,185
20.	Rajasthan	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
21.	Sikkim	—	—	..	..	..	..	..
22.	Tamil Nadu	15,93,529	16,38,425	4,88,952	3,88,335	1,75,368	50,361	11,03,016
23.	Tripura	83	92	22	51	5	10	88
24.	Uttar Pradesh	3,09,124	3,77,750	81,040	1,90,051	8,213	8,213	2,87,517
25.	West Bengal	31,984	44,054	9,523	17,372	1,460	3,744	32,099
	STATES TOTAL	**1,17,99,073**	**1,17,64,699**	**31,72,066**	**39,81,246**	**7,89,856**	**4,58,216**	**84,01,384**
26.	Andaman & Nicobar	..	..	..	..	..	..	—
27.	Chandigarh	69	154	6	6	3	3	18
28.	Dadra & Nagar Haveli	523	636	189	127	196	2	514
29.	Daman & Diu	707	739	264	117	127	5	513
30.	Delhi	—	..	..	..	..	..	—
31.	Lakshadweep	—	—	..	..	..	..	—
32.	Pondicherry	8,092	11,973	4,537	4,309	2,378	498	11,722
	UTs. TOTAL	**9,391**	**13,502**	**4,996**	**4,559**	**2,704**	**508**	**12,767**
	GRAND TOTAL	**1,18,08,464**	**1,17,78,201**	**31,77,062**	**39,85,805**	**7,92,560**	**4,58,724**	**84,14,151**

MINOR IRRIGATION CENSUS (DUGWELLS)

7A. CROPWISE IRRIGATION BY DUGWELLS AS SUPPLEMENTARY SOURCES IN 1986-87

Sl. No.	Name of States/UTs	No. of Dugwells	Area Irri. As Suppl . Sources in Diff. Crop Season				
			Kharif	Rabi	Perenl	Others	Total (Col. 4 to Col. 7)
1	2	3	4	5	6	7	8
1.	Andhra Pradesh	11,75,345	..	..	..	..	..
2.	Arunachal Pradesh	..	..	..	..	..	..
3.	Assam	1,387	..	..	..	..	..
4.	Bihar	3,17,256	65,437	41,564	3,782	3,440	1,14,223
5.	Goa	5,204	..	6	30	7	43
6.	Gujarat	8,39,063	6,080	10,644	1,112	4,368	22,204
7.	Haryana	39,425	23,986	29,364	289	211	53,850
8.	Himachal Pradesh	2,109	104	109	14	1	228
9.	Jammu & Kashmir	1,336	95	245	0	..	340
10.	Karnataka	4,05,859	8,546	5,639	3,324	1,853	19,362
11.	Kerala	..	..	..	..	..	..
12.	Madhya Pradesh	9,56,947	9,109	51,484	126	144	60,863
13.	Maharashtra	12,33,600	49,093	74,643	17,454	4,599	1,45,789
14.	Manipur	..	..	..	..	..	..
15.	Meghalaya	49	..	..	..	..	..
16.	Mizoram	..	..	..	..	..	..
17.	Nagaland	287	..	..	..	..	..
18.	Orissa	2,27,240	2,146	440	40	10	2,636
19.	Punjab	8,663	3,526	2,992	55	25	6,598
20.	Rajasthan	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
21.	Sikkim	..	-	..	..	..	..
22.	Tamil Nadu	14,89,526	37,701	46,063	19,646	4,061	1,07,471
23.	Tripura	956	54	16	..	1	71
24.	Uttar Pradesh	4,60,887	25,299	41,761	3,026	2,656	72,742
25.	West Bengal	66,190	5,183	979	32	343	6,537
	STATES TOTAL	**72,31,329**	**2,36,359**	**3,05,949**	**48,930**	**21,719**	**6,12,957**
26.	Andaman & Nicobar	..	..	..	..	..	..
27.	Chandigarh	28	..	..	..	..	..
28.	Dadra & Nagar Haveli	..	9	4	16	..	29
29.	Daman & Diu	..	..	..	..	..	..
30.	Delhi	..	..	..	..	..	..
31.	Lakshadweep	..	..	..	..	..	..
32.	Pondicherry	5,236	523	22	72	14	631
	UTs. TOTAL	**5,264**	**532**	**26**	**88**	**14**	**660**
	GRAND TOTAL	**72,36,593**	**2,36,891**	**3,05,975**	**49,018**	**21,733**	**6,13.617**

MINOR IRRIGATION CENSUS (SHALLOW TUBEWELLS)

1B. PRIVATE SHALLOW TUBEWELLS INSTALLED OVER THE YEARS

Sl. No.	Name of State/UT	No. of Shallow Tubewells Commissioned During						
		Before 82-83	82-83	83-84	84-85	85-86	86-87	Total (Col. 3 to Col. 8)
1	2	3	4	5	6	7	8	9
1.	Andhra Pradesh	62,540	11,674	10,986	11,537	8,780	4,254	1,09,771
2.	Arunachal Pradesh	..	..	..	..	..	..	..
3.	Assam	2,080	1,670	1,960	2,374	2,575	4,874	15,533
4.	Bihar	1,08,980	52,206	53,915	63 589,	63,435	82,352	4,24,477
5.	Goa	2	1	1	..	..	1	5
6.	Gujarat	2,514	258	238	476	617	1,249	(5,532) 535
7.	Haryana	1,91,723	34,814	25,322	22,943	26,940	55,645	3,57,387
8.	Himachal Pradesh	815	79	103	97	85	111	1,290
9.	Jammu & Kashmir	197	172	107	124	87	61	748
10.	Karnataka	5,019	2,750	4,953	8,090	11,048	8,449	40,309
11.	Kerala	..	..	..	..	..	..	..
12.	Madhya Pradesh	5,557	1,472	2,197	3,596	4,771	5,096	22,689
13.	Maharashtra	928	212	184	378	533	547	2,782
14.	Manipur	..	34	60	105	98	197	494
15.	Meghalaya	625	..	..	..	..	..	625
16.	Mizoram	..	..	..	..	..	..	..
17.	Nagaland	..	..	..	..	..	..	..
18.	Orissa	2,598	873	920	999	787	801	6,978
19.	Punjab	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	8,69,975
20.	Rajasthan	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
21.	Sikkim	..	..	..	..	..	..	..
22.	Tamil Nadu	64,864	9,423	7,284	6,768	5,353	4,266	97,958
23.	Tripura	1,811	520	588	737	1,077	2,105	6,838
24.	Uttar Pradesh	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	16,35,809
25.	West Bengal	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	3,72,545
	STATES TOTAL	**4,50,253**	**116,158**	**1,08818**	**1,21,813**	**1,26,186**	**1,70,008**	**39,71,565**
26.	Andman & Nicobar	..	..	..	..	..	..	..
27.	Chandigarh	306	7	5	2	..	..	320
28.	Dadra & Nagar Haveli	..	..	..	..	..	..	..
29.	Daman & Diu	..	..	..	..	..	..	..
30.	Delhi	8,822	1,211	1,204	1,088	892	845	14,062
31.	Lakhsadweep	..	..	..	..	..	..	..
32.	Pondicherry	472	300	74	178	98	94	1,216
	UTs TOTAL	**9,600**	**1,518**	**1,283**	**1,268**	**990**	**939**	**15,598**
	GRAND TOTAL	**4,59,853**	**1,17,676**	**1,10,101**	**1,23,081**	**1,27,176**	**1,70,947**	**39,87,163**

MINOR IRRIGATION CENSUS (SHALLOW TUBEWELLS)

2B. PRIVATE SHALLOW TUBEWELLS OWNED BY FARMERS OF DIFFERENT SIZE HOLDING GROUP

Sl. No.	Name of State/UT	No. of Shallow Tubewells with Farmers in holding group					
		0-1(ha.)	1-2(ha.)	2-4(ha.)	4-6(ha.)	Others	Total (Col. 3 to Col. 7)
1	2	3	4	5	6	7	8
1.	Andhra Pradesh	32,403	43,962	..	..	44,093	1,20,463
2.	Arunachal Pradesh	..	..	..	..	..	..
3.	Assam	5,958	5,279	2,815	521	966	15,539
4.	Bihar	1,19,053	1,37,138	1,03,339	38,359	28,085	4,25,974
5.	Goa	3	1	..	..	1	5
6.	Gujarat	704	869	1,140	776	1,112	4,601
7.	Haryana	35,918	87,141	1,21,408	61,162	50,335	3,55,964
8.	Himachal Pradesh	232	398	334	121	205	1,290
9.	Jammu & Kashmir	145	396	162	30	15	748
10.	Karnataka	5,384	11,773	11,443	5,301	7,022	40,923
11.	Kerala	..	..	..	..	..	..
12.	Madhya Pradesh	1,052	3,707	4,831	4,308	8,791	22,689
13.	Maharashtra	1,884	952	926	386	486	4,634
14.	Manipur	..	..	..	..	494	494
15.	Meghalaya	410	215	..	..	..	625
16.	Mizoram	..	..	..	..	..	..
17.	Nagaland	..	..	..	..	..	..
18.	Orissa	884	1,418	1,536	555	1,455	5,848
19.	Punjab	47,989	1,66,145	10,85,596	1,58,596	2,11,891	16,69,975
20.	Rajasthan	NA	NA	NA	NA	NA	NA
21.	Sikkim	..	..	..	..	..	..
22.	Tamil Nadu	40,580	27,329	18,234	7,113	4,702	97,958
23.	Tripura	3,867	1,764	328	54	303	6,316
24.	Uttar Pradesh	4,55,843	5,65,297	3,97,760	1,34,347	71,523	16,24,770
25.	West Bengal	1,19,350	1,34,860	83,296	19,778	11,032	3,68,316
	STATE TOTAL	**8,71,659**	**11,88,644**	**18,33,148**	**4,31,165**	**4,42,516**	**47,67,132**
26.	Andman & Nicobar	..	..	..	..	..	..
27.	Chandigarh	144	10	11	7	8	180
28.	Dadra & Nagar Haveli	..	..	1	6	..	7
29.	Daman & Diu	1	2	..	..	..	3
30.	Delhi	3,592	4,300	3,642	1,841	777	14,152
31.	Lakshadweep	..	..	..	..	..	..
32.	Pondicherry	454	299	252	58	153	1,216
	UTs TOTAL	**4,191**	**4,611**	**3,906**	**1,912**	**938**	**15,558**
	GRAND TOTAL	**8,75,850**	**11,93,255**	**18,37,054**	**4,33,077**	**4,43,454**	**47,82,690**

MINOR IRRIGATION CENSUS (SHALLOW TUBEWELLS)

3B. PRIVATE SHALLOW TUBEWELLS OWNED BY FARMERS ACCORDING TO THEIR SOCIAL STATUS

Sl. No.	Name of State/UT	No. of Shallow Tubewells belgonging to			
		SC	ST	Others	Total (Col. 3 tg Col. 5)
1	2	3	4	5	6
1.	Andhra Pradesh	11,703	2,534	1,06,226	1,20,463
2.	Arunachal Pradesh	--	..	--	--
3.	Assam	1,016	2,443	12,080	15,539
4.	Bihar	37,931	6,537	3,78,747	4,23,215
5.	Goa	..	..	5	5
6.	Gujarat	102	152	4,493	4,747
7.	Haryana	7,452	--	3,49,935	3,57,387
8.	Himachal Pradesh	66	3	1,221	1,290
9.	Jammu & Kashmir	142	--	606	748
10.	Karnataka	3,007	797	37,119	40,923
11.	Kerala	..	..	..	..
12.	Madhya Pradesh	996	406	21,286	22,688
13.	Maharashtra	106	117	4,086	4,309
14.	Manipur	10	291	193	494
15.	Meghalaya	7	51	567	625
16.	Mizoram	..	..	..	..
17.	Nagaland	..	..	--	..
18.	Orissa	1,270	42	5,666	6,978
19.	Punjab	21,604	--	8,48,371	8,69,975
20.	Rajasthan	NA	NA	NA	NA
21.	Sikkim	..	..	--	--
22.	Tamil Nadu	5,058	26	92,874	97,958
23.	Tripura	1,368	914	4,556	6,838
24.	Uttar Pradesh	1,43,085	4,438	22,71,030	24,18,553
25.	West Bengal	60,554	5,540	3,02,222	3,68,316
	STATE TOTAL	**2,95,477**	**24,291**	**44,41,283**	**47,61,051**
26.	Andman & Nicobar	..	--	..	..
27.	Chandigarh	..	..	310	310
28.	Dadra & Nagar Haveli	..	1	6	7
29.	Daman & Diu	..	..	3	3
30.	Delhi	179	..	10,305	10,484
31.	Lakshadweep	..	..	--	..
32.	Pondicherry	35	..	1,181	1,216
	UTS. TOTAL	**214**	**1**	**11,805**	**12,020**
	GRAND TOTAL	**2,95,691**	**24,292**	**44.53,088**	**47,73,071**

SC : Scheduled Caste.
ST : Scheduled Tribe.

MINOR IRRIGATION CENSUS (SHALLOW TUBEWELLS)

4B. PRIVATE SHALLOW TUBEWELLS ACCORDING TO LIFTING DEVICES

Sl. No.	Name of State/UT.	No. of Tubewells not in use	No. of Shallow Tubewells with Lifting devices					Total (3+8)
			Electric Pump	Diesel Pump	Manual Lift	Others	Total (4+5+6+7)	
1	2	3	4	5	6	7	8	9
1.	Andhra Pradesh	2,371	90,174	15,831	106005	2,410	1,08,415	1,10,786
2.	Arunachal Pradesh	..	..	..	..	..	..	..
3.	Assam	1,623	635	13,279	13914 1	2	13,917	15,540
4.	Bihar	4,289	38,974	3,83,454	422420 896	1,433	4,24,757	4,29,046
5.	Goa	..	4	1	5	—	5	5
6.	Gujarat	751	3,350	1,176	4526 41	34	4,601	5,352
7.	Haryana	1,423	2,26,488	1,29,390	355878	86	3,55,964	3,57,387
8.	Himachal Pradesh	14	647	619	1266 5	5	1,276	1,290
9.	Jammu & Kashmir	73	660	82	741 ..	6	748	821
10.	Karnataka	1,937	39,912	141	40953 29	841	40,923	42,860
11.	Kerala	...	..	..	..	—	—	—
12.	Madhya Pradesh	1,014	21,993	327	23220 135	234	22,689	23,703
13.	Maharashtra	537	3,991	130	4121 3	139	4,263	4,800
14.	Manipur	98	..	..	494	—	494	592
15.	Meghalaya	215	..	410	410 ..	..	410	625
16.	Mizoram	...	...	...	..	—	—	—
17.	Nagaland	...	...	...	..	—	—	—
18.	Orissa	1,130	4,706	1,123	5829 4	15	5,848	6,978
19.	Punjab	NA	4,84,581	2,36,634	1,26,165	22,595	8,69,975	8,69,975
20.	Rajasthan	..	NA	NA	NA	NA	NA	NA
21.	Sikkim	..	..	..	72215 ..	—	—	..
22.	Tamil Nadu	2,585	67,883	27,381	95264 59	50	95,373	97,958
23.	Tripura	522	75	2	26	6,213	6,316	6,838
24.	Uttar Pradesh	16,297	36,3,717	12,30,670	380	24,745	16,19,512	16,35,809
25.	West Bengal	6,003	33,237	3,23,621	3,78,163	1,521	3,66,542	3,72,545
	STATE TOTAL	40,882	13,81,027	23,64,271	1,36,401	60,329	39,42,028	39,82,910
26.	Andman & Nicobar	..	..	..	356858	..	—	—
27.	Chandigarh	153	156	11	167 ..	..	167	320
28.	Dadra & Nagar Haveli	..	6	1	7 ..	..	7	7
29.	Daman & Diu	..	3	..	..	..	3	3
30.	Delhi	..	10,597	3,067	13664 ..	488	14,152	14,152
31.	Lakshadweep	..	..	..	..	..	—	..
32.	Pondicherry	11	1,039	1	1040 ..	11	1,205	1,216
	UTs TOTAL	164	11,801	3,234	..	499	15,534	15,698
	GRAND TOTAL	41,046	13,92,828	23,67,505	1,36,401	60,828	39,57,562	39,98,608

MINOR IRRIGATION CENSUS (SHALLOW TUBEWELLS)

5B. AREA BENEFITTED BY PRIVATE SHALLOW TUBEWELLS

Sl. No.	Name of State/UT.	Culturable command Area (in ha.)	Gross Irri. Pot. Created (in ha.)	Area Irrigated by Shallow Tubewell (in ha.)				
				Kharif	Rabi	Perenial	Others	Total (Col. 5 to Col. 8)
1	2	3	4	5	6	7	8	9
1.	Andhra Pradesh	2,28,927	2,85,457	1,31,793	95,760	20,245	16,755	2,64,553
2.	Arunachal Pradesh	..	..	..	..	..	..	..
3.	Assam	32,938	38,608	14,344	7,631	713	976	23,664
4.	Bihar	11,49,511	14,71,133	5,01,752	7,11,888	76,739	55,525	13,45,904
5.	Goa	4	4	..	..	3	..	3
6.	Gujarat	50,607	55,301	10,587	15,986	971	9,601	37,145
7.	Haryana	11,64,436	18,05,727	6,70,822	9,04,269	28,047	9,123	16,12,261
8.	Himachal Pradesh	5,070	7,794	2,250	3,178	279	213	5,920
9.	Jammu & Kashmir	1,019	1,597	1,011	844	..	..	1,855
10.	Karnataka	77,049	97,187	43,633	13,033	15,800	16,212	88,678
11.	Kerala	..	..	..	..	..	..	..
12.	Madhya Pradesh	1,01,042	96,791	13,636	80,763	2,235	269	96,903
13.	Maharashtra	9,114	9,799	2,425	2,922	3,795	544	9,686
14.	Manipur	..	..	..	..	..	..	..
15.	Meghalaya	8,580	10,337	3,683	344	21	5	4,053
16.	Mizoram	..	..	..	..	..	..	..
17.	Nagaland	..	..	..	..	..	..	..
18.	Orissa	38,127	58,098	9,316	14,848	906	215	25,285
19.	Punjab	25,75,008	46,60,308	21,57,236	22,37,969	69,756	25,385	44,90,346
20.	Rajasthan	NA	NA	NA	NA	NA	NA	NA
21.	Sikkim	..	..	..	..	..	..	..
22.	Tamil Nadu	2,01,135	1,70,950	69,099	57,455	27,552	8,943	1,63,049
23.	Tripura	3,287	4,289	1,557	1,878	208	699	4,342
24.	Uttar Pradesh	56,31,800	70,33,952	24,06,892	34,29,432	4,20,007	2,52,764	65,09,095
25.	West Bengal	6,24,507	9,94,475	2,75,601	4,15,856	14,277	1,62,921	8,68,655
	STATES TOTAL	**1,19,02,161**	**1,68,01,807**	**63,15,637**	**79,94,056**	**6,81,554**	**5,60,150**	**1,55,51,397**
26.	Andaman & Nicobar	..	..	..	..	..	..	..
27.	Chandigarh	701	1,411	346	341	76	74	837
28.	Dadra & Nagar Haveli	48	71	30	27	6	..	63
29.	Daman & Diu	3	3	1	1	..	..	2
30.	Delhi	38,899	56,448	26,509	29,618	106	146	56,379
31.	Lakshadweep	..	..	..	..	..	..	..
32.	Pondicherry	2,350	2,961	1,134	1,157	338	284	2,913
	UTs TOTAL	**42,001**	**60,894**	**28,020**	**31,144**	**526**	**504**	**60,194**
	GRAND TOTAL	**1,19,44,162**	**1,68,62,701**	**63,43,657**	**80,25,200**	**6,82,080**	**5,60,654**	**1,56,11,591**

MINOR IRRIGATION CENSUS (SHALLOW TUBEWELLS)

6B. AREA IRRI. BY SHALLOW TUBEWELLS AS SUPPLEMENTARY SOURCE

Sl. No.	Name of State/UTs.	No. of Tubewell	Area Irri. as Suppl. Sources in Diff. Crop Season				
			Kharif	Rabi	Perenal	Others	Total (Col. 4 to Col. 7)
1	2	3	4	5	6	7	8
1.	Andhra Pradesh	109,771	..	..	..	..	..
2.	Arunachal Pradesh	..	..	..	--	..	..
3.	Assam	15,533	..	--	--	--	--
4.	Bihar	4,24,477	98,605	67,757	13,740	9,041	1,89,143
5.	Goa	5	..	--	..	--	--
6.	Gujarat	5,352	1,175	1,781	10	1,111	4,077
7.	Haryana	3,57,387	1,35,182	2,02,764	3,171	2,860	3,43,977
8.	Himachal Pradesh	1,290	7	9	--	--	16
9.	Jammu & Kashmir	748	738	738	..	--	1,476
10.	Karnataka	40,309	1,169	388	504	259	2,320
11.	Kerala	..	..	..	..	..	..
12.	Madhya Pradesh	22,689	213	3,507	13	508	4,241
13.	Maharashtra	2,782	1,583	1,358	479	111	3,531
14.	Manipur	494	..	..	..	..	..
15.	Meghalaya	625	..	..	..	..	..
16.	Mizoram	..	..	..	..	..	..
17.	Nagaland	..	..	..	--	--	..
18.	Orissa	6,978	521	103	8,828	7	9,459
19.	Punjab	8,69,975	5,15,007	5,20,903	12,659	11,991	10,60,560
20.	Rajasthan	NA	NA	NA	NA	NA	NA
21.	Sikkim	..	..	..	..	..	..
22.	Tamil Nadu	97,958	17,771	35,036	5,694	1,069	59,570
23.	Tripura	6,838	197	153	15	2	367
24.	Uttar Pradesh	..	2,65,068	2,84,591	50,763	39,889	6,40,311
25.	West Bengal	..	29,118	5,985	492	4,754	40,349
	STATES TOTAL	**19,63,211**	**10,66,354**	**11,25,073**	**96,368**	**71,602**	**23,59,397**
26.	Andaman & Nicobar	..	..	..	..	..	..
27.	Chandigarh	320	..	..	..	..	..
28.	Dadra & Nagar Haveli	..	..	..	..	..	..
29.	Daman & Diu	..	..	..	..	..	..
30.	Delhi	14,062	2,436	2,523	..	24	4,983
31.	Lakshadweep	..	..	..	--	--	..
32.	Pondicherry	1,216	408	696	14	4	1,122
	UTs. TOTAL	**15,598**	**2,844**	**3,219**	**14**	**28**	**6,105**
	GRAND TOTAL	**19,78,809**	**10,69,198**	**11,28,292**	**96,382**	**71,630**	**23,65,502**

MINOR IRRIGATION CENSUS (DEEP TUBEWELLS)

1C. DEEP TUBEWELLS INSTALLED OVER THE YEARS

Sl. No.	Name of States/UT.	No. of Deep Tubewells Commissioned During						Total (Col. 3 to Col. 8)
		Before 82-83	82-83	83-84	84-85	85-86	86-87	
1	2	3	4	5	6	7	8	9
1.	Andhra Pradesh	6,082	1,582	1,782	1,975	1,224	776	13,421
2.	Arunachal Pradesh	..	..	..	..	..	..	..
3.	Assam	87	22	39	66	45	34	293
4.	Bihar	5,472	1,518	1,609	1,492	1,109	1,579	12,779
5.	Goa	..	..	..	2	..	..	2
6.	Gujarat	12,204	1,491	1,497	1,843	2,175	3,729	22,939
7.	Haryana	1,381	358	227	221	224	266	2,677
8.	Himachal Pradesh	101	12	16	14	9	11	163
9.	Jammu & Kashmir	62	3	..	1	1	1	68
10.	Karnataka	839	297	848	1,412	2,156	1,585	7,137
11.	Kerala	..	..	..	..	..	..	..
12.	Madhya Pradesh	1,062	167	199	257	415	384	2,484
13.	Maharashtra	703	187	307	569	1,018	1,384	4,168
14.	Manipur	..	..	..	..	..	..	..
15.	Meghalaya	..	..	..	1	4	..	5
16.	Mizoram	..	..	..	..	..	..	..
17.	Nagaland	..	..	..	..	..	..	..
18.	Orissa	1,491	308	124	168	159	75	2,325
19.	Punjab	NA	NA	NA	NA	NA	NA	1,532
20.	Rajasthan	NA	NA	NA	NA	NA	NA	NA
21.	Sikkim	..	..	..	..	..	..	..
22.	Tamil Nadu	1,823	276	462	548	815	1,228	5,152
23.	Tripura	47	9	3	5	7	16	87
24.	Uttar Pradesh	NA	NA	NA	NA	NA	NA	25,198
25.	West Bengal	NA	NA	NA	NA	NA	NA	3,122
	STATES TOTAL	**31,354**	**6,230**	**7,113**	**8,574**	**9,361**	**11,068**	**1,03,552**
26.	Andman & Nicobar	..	..	..	..	..	..	..
27.	Chandigarh	26	3	..	3	6	7	45
28.	Dadra & Nagar Haveli	..	..	..	..	..	..	..
29.	Daman & Diu	..	..	..	..	..	..	..
30.	Delhi	..	..	..	..	..	..	..
31.	Lakshadweep	..	..	..	..	..	..	..
32.	Pondicherry	49	29	24	34	55	26	217
	UTs. TOTAL	**75**	**32**	**24**	**37**	**61**	**33**	**262**
	GRAND TOTAL	**31,429**	**6,262**	**7,137**	**8,611**	**9,422**	**11,101**	**1,03,814**

MINOR IRRIGATION CENSUS (DEEP TUBEWELLS)

2C. IRRIGATION SCHEME BY ITS TYPE

Sl. No.	Name of States/UTs.	Type of Deep Tube wells (In nos.)				Total (In nos)
		Not in use	In use			
			Submer. Pump	Turbine	Total	
1	2	3	4	5	6	7
1.	Andhra Pradesh	842	5,504	35	5,539	6,381
2.	Arunachal Pradesh	..	..	--	--	..
3.	Assam	29	255	16	271	300
4.	Bihar	1,478	12,400	1,079	13,479	14,957
5.	Goa	..	2	..	2	2
6.	Gujarat	1,268	20,574	1,097	21,671	22,939
7.	Haryana	60	2,281	336	2,617	2,677
8.	Himachal Pradesh	1	141	21	162	163
9.	Jammu & Kashmir	2	58	14	72	74
10.	Karnataka	436	6,544	404	6,948	7,384
11.	Kerala	..	..	..	--	--
12.	Madhya Pradesh	144	2,193	291	2,484	2,628
13.	Maharashtra	1,223	5,327	337	5,664	6,887
14.	Manipur	..	..	..	--	..
15.	Meghalaya	..	1	4	5	5
16.	Mizoram	..	..	--	--	..
17.	Nagaland	..	..	..	--	..
18.	Orissa	445	1,797	83	1,880	2,325
19.	Punjab	37	1,176	356	1,532	1,569
20.	Rajasthan	NA	NA	NA	NA	NA
21.	Sikkim	..	..	--	--	..
22.	Tamil Nadu	279	1,403	3,412	4,815	5,094
23.	Tripura	6	45	36	81	87
24.	Uttar Pradesh	1,331	13,185	10,682	23,867	25,198
25.	West Bengal	164	1,844	1,114	2,958	3,122
	STATES TOTAL	7,745	74,730	19,317	94,047	1,01,792
26.	Andman & Nicobars	..	..	..	..	..
27.	Chandigarh	4	41	..	41	45
28.	Dadra & Nagar Haveli	..	..	..	..	..
29.	Daman & Diu	..	..	..	..	..
30.	Delhi	..	--	..	..	..
31.	Lakshadweep	..	--	--	--	..
32.	Pondicherry	5	182	30	212	217
	UTs. TOTAL	9	223	30	253	262
	GRAND TOTAL	7,754	74,953	19,347	94,300	1,02,054

MINOR IRRIGATION CENSUS (DEEP TUBEWELLS)

3C. IRRIGATION SCHEME WITH VARIOUS TYPES OF DISTRIBUTION CHANNEL

Sl. No.	Names of States/UTs.	No. of Tubewells with Dist. System		
		Pucca (Surface)	Under Ground	Total (3+4)
1	2	3	4	5
1.	Andhra Pradesh	3,298	776	4,074
2.	Arunachal Pradesh	..	168	..
3.	Assam	125	..	293
4.	Bihar	10,310	2,056	12,366
5.	Goa	..	2	2
6.	Gujarat	1,248	21,369	22,617
7.	Haryana	2,063	614	2,677
8.	Himachal Pradesh	35	128	163
9.	Jammu & Kashmir	72	65	137
10.	Karnataka	3,469	3,668	7,137
11.	Kerala	..	..	..
12.	Madhya Pradesh	1,176	1,308	2,484
13.	Maharashtra	7,144	71,950	79,094
14.	Manipur	..	..	..
15.	Meghalaya	4	1	5
16.	Mizoram	..	..	..
17.	Nagaland	..	..	..
18.	Orissa	11,59	769	1,928
19.	Punjab	903	278	1,181
20.	Rajasthan	NA	NA	NA
21.	Sikkim	..	..	..
22.	Tamil Nadu	4,162	990	5,152
23.	Tripura	16	63	79
24.	Uttar Pradesh	19,175	4,662	23,837
25.	West Bengal	62	2,283	2,345
	STATES TOTAL	54,421	1,11,150	1,65,751
26	Andman & Nicobar	..	..	..
27.	Chandigarh	..	37	37
28.	Dadra & Nagar Haveli	..	..	—
29.	Daman & Diu	..	..	—
30.	Delhi	..	..	..
31.	Lakshadweep	..	..	—
32.	Pondicherry	49	51	100
	UTs. TOTAL	49	88	137
	GRAND TOTAL	54,470	1,11,238	1,65,708

MINOR IRRIGATION CENSUS (DEEP TUBEWELLS)

4C. AREA BENEFITTED BY DEEP TUBEWELL

Sl. No.	Name of States/UTs.	Culturable Command Area (in ha..)	Gross Irr. pot. Created (in ha.)	Area Irrigated by Deep Tubewell (in ha.)				
				Kharif	Rabi	Perenal	Others	Total (col. .5 to col.8)
1	2	3	4	5	6	7	8	9
1.	Andhra Pradesh	54,698	65,242	36,203	12,287	3,826	2,075	53,401
2.	Arunachal Pradesh	..	..	..	..	..	..	..
3.	Assam	10,127	13,128	5,968	2,257	62	223	8,510
4.	Bihar	4,01,490	4,30,377	130190	1,62,939	20,526	21,906	3,35,561
5.	Goa	14	14	..	..	14	..	14
6.	Gujarat	4,78,243	5,51,313	92,504	2,15,700	8,452	80,210	3,96,866
7.	Haryana	25,092	39,373	16,286	19,117	263	21	35,687
8.	Himachal Pradesh	4,840	6,311	1,537	2,635	227	162	4,561
9	Jammu & Kashmir	1,701	3,282	1,665	1,617	..	..	3,282
10.	Karnataka	15,807	17,989	8,237	3,043	2,235	2,286	15,801
11.	Kerala	..	..	..	..	..	..	..
12.	Madhya Pradesh	26,074	22,973	2,968	18,430	231	823	22,452
13.	Maharashtra	17,009	14,390	28,473	4,044	4,816	715	38,048
14.	Manipur	..	..	..	..	..	..	..
15.	Meghalaya	240	265	240	25	..	..	265
16.	Mizoram	..	..	..	..	..	..	..
17.	Nagaland	..	..	..	..	..	..	..
18.	Orissa	42,382	69,109	10,744	12,836	83	49	23,712
19.	Punjab	60,163	77,642	26,979	30,269	1,628	551	59,427
20.	Rajasthan	NA	NA	NA	NA	NA	NA	NA
21.	Sikkim	..	..	..	..	..	..	..
22.	Tamil Nadu	11,885	14,147	3,701	4,387	2,188	1,219	11,495
23.	Tripura	2,507	4,894	852	730	4	143	17,295
24.	Uttar Pradesh	20,87,516	23,27,072	5,45,727	9,56,669	97,453	60,169	16,60,018
25.	West Bengal	1,21,689	1,97,650	28,316	47,742	2,639	11,615	90,312
	STATES TOTAL	33,60,477	38,55,171	9,40,590	14,94,727	1,43,657	1,82,167	27,61,141
26.	Andman & Nicobar	..	..	..	..	..	..	..
27.	Chandigarh	883	1,814	741	715	173	173	1,802
28.	Dadra & Nagar Haveli	..	..	..	..	..	..	..
29.	Daman & Diu	..	..	..	..	..	..	..
30.	Delhi	..	..	..	..	..	..	..
31.	Lakshadweep	..	..	..	..	..	..	..
32.	Pondicherry	971	1,183	463	358	148	121	1,090
	UTs. TOTAL	1,854	38,58,168	1,204	1,073	321	294	2,895
	GRAND TOTAL	33,62,331	77,13,339	9,41,794	14,95,800	1,43,978	1,82,461	27,64,033

MINOR IRRIGATION CENSUS (DEEP TUBEWELLS)

5C. CROPWISE AREA IRRI. BY DEEP TUBEWELLS AS SUPPLEMENTARY IRRI. SOURCE

Sl. No.	Name of States/UTs.	No. of Tubewell	Area Irrigated as Suppl. sources (in HA)				
			Kharif	Rabi	Perenl	Others	Total col. 4 to col. 7
1	2	3	4	5	6	7	8
1.	Andhra Pradesh	13,421	42	..	..	..	42
2.	Arunachal Pradesh	..	..	..	..	..	..
3.	Assam	293	..	..	..	..	..
4.	Bihar	12,779	24,436	29,817	2,465	13,225	59,943
5.	Goa	2	..	..	..	..	..
6.	Gujarat	22,939	2,816	1,970	69	1,290	6,135
7.	Haryana	2,677	683	570	..	..	1,253
8.	Himachal Pradesh	163	..	..	..	..	..
9.	Jammu & Kashmir	68	..	..	..	..	..
10.	Karnataka	7,137	254	87	106	90	487
11.	Kerala	..	..	..	..	..	..
12.	Madhya Pradesh	2,484	82	114	1	..	197
13.	Maharashtra	4,168	1,718	2,937	1,207	119	5,981
14.	Manipur	..	..	..	..	..	..
15.	Meghalaya	5	..	..	..	..	..
16.	Mizoram	..	..	..	..	..	..
17.	Nagaland	..	..	..	..	..	..
18.	Orissa	2,325	1,280	8	..	..	1,288
19.	Punjab	1,532	9,017	9,128	436	6	18,587
20.	Rajasthan	NA	NA	NA	NA	NA	NA
21.	Sikkim	..	..	..	..	..	..
22.	Tamil Nadu	5,152	281	556	109	45	991
23.	Tripura	87	15	6	..	..	21
24.	Uttar Pradesh	25,198	93,331	1,63,696	15,876	9,842	2,82,745
25.	West Bengal	3,122	684	958	244	91	1,977
	STATES TOTAL	1,03,552	1,34,639	2,09,797	20,503	14,708	3,79,647
26.	Andman & Nicobar	..	..	..	..	..	..
27.	Chandigarh	45	3	3	2	..	8
28.	Dadra & Nagar Haveli	..	..	..	..	..	..
29.	Daman & Diu	..	..	..	..	..	..
30.	Delhi	..	..	..	..	..	..
31.	Lakshadweep	..	..	..	..	..	..
32.	Pondicherry	217	241	231	..	1	473
	UTs. TOTAL	262	244	234	2	1	481
	GRAND TOTAL	1,03,814	1,34,883	2,10,031	20,505	14,709	3,80,128

MINOR IRRIGATION CENSUS (SURFACE FLOW IRRI. SCHEMES)

1D. SURFACE FLOW IRRI. SCHEMES COMMISSIONED OVER THE YEARS

Sl. No	Name of State/UT.	No of Surface Flow Irri. Schemes Commissioned						Total (col. 2 to col. 7)
		Before 1982-83	1982-83	1933-84	1984-85	1935-86	1936-87	
1	2	3	4	5	6	7	8	9
1.	Andhra Pradesh	78,303	209	206	130	101	74	79,023
2.	Arunachal Pradesh	1,748	628	731	477	547	441	4,572
3.	Assam	1,458	359	281	223	402	210	2,933
4.	Bihar	36,305	1,191	370	287	330	519	39,002
5.	Goa	2,965	60	15	19	17	39	3,115
6.	Gujarat	699	15	23	15	14	39	805
7.	Haryana	80	..	..	..	7	..	87
8.	Himachal Pradesh	16,674	60	32	45	33	51	16,895
9.	Jammu & Kashmir	7,242	233	137	84	37	90	7,823
10.	Karnataka	37,883	668	430	246	227	558	40,012
11.	Kerala	NA	NA	NA	NA	NA	NA	9,223
12.	Madhya Pradesh	19,575	208	327	354	322	822	21,608
13.	Maharashtra	7,361	379	301	889	331	255	9,516
14.	Manipur	65	19	14	13	16	21	148
15.	Meghalaya	4,555	1,711	1,619	1,054	971	1,264	11,174
16.	Mizoram	NA	NA	NA	NA	NA	NA	3,883
17.	Nagaland	10,859	2,924	1,830	1,662	1,708	1,674	20,657
18.	Orissa	10,581	639	620	564	547	639	13,590
19.	Punjab	NA	NA	NA	NA	NA	NA	292
20.	Rajasthan	NA	NA	NA	NA	NA	NA	NA
21.	Sikkim	256	12	42	24	44	56	434
22.	Tamil Nadu	41,883	43	19	62	47	77	42,131
23.	Tripura	324	93	91	123	166	1,043	1,842
24.	Uttar Pradesh	NA	NA	NA	NA	NA	NA	28,497
25.	West Bengal	NA	NA	NA	NA	NA	NA	76,813
	STATES TOTAL	**2,78,816**	**9,451**	**7,088**	**6,271**	**5,867**	**7,582**	**4,34,075**
26.	Andman & Nicobar	170	36	70	57	50	49	432
27.	Chandigarh	4	..	..	..	..	..	4
28.	Dadra & Nagar Haveli	..	..	..	..	3	..	3
29.	Daman & Diu	..	..	..	..	..	..	..
30.	Delhi	1	..	..	1	..	..	2
31.	Lakshadweep	..	..	..	..	..	..	..
32.	Pondicherry	581	86	..	..	..	..	667
	UTs. TOTAL	**756**	**122**	**70**	**58**	**53**	**49**	**1,108**
	GRAND TOTAL	**2,79,572**	**9,573**	**7,158**	**6,329**	**5,920**	**7,631**	**4,35,183**

MINOR IRRIGATION CENSUS (SURFACE FLOW IRRI. SCHEME)

2D. SURFACE WATER SCHEMES BY ITS TYPE

Sl. No.	Name of States/UTs.	Type of Surface Flow Irri. Schemes					
		Not in use (in nos.)	In use and is on (in nos.)				Total
			Storage	Permanent Diversn.	Temporary Diversn.	Total (4+5+6)	(3+7)
1	2	3	4	5	6	7	8
1.	Andhra Pradesh	10,573	60,745	4,893	2,212	67,850	78,423
2.	Arunachal Pradesh	340	15	270	3,947	4,232	4,572
3.	Assam	9	33	132	2,759	2,924	2,933
4.	Bihar	1,471	30,351	3,224	5,435	39,010	40,481
5.	Goa	49	1,303	531	1,232	3,066	3,115
6.	Gujarat	634	160	7	207	374	1,008
7.	Haryana	..	7	80	..	87	87
8.	Himachal Pradesh	448	840	10,432	5,175	16,447	16,895
9.	Jammu & Kashmir	37	73	7,161	508	7,742	7,779
10.	Karnataka.	12,512	20,152	3,764	3,584	27,500	40,012
11.	Kerala	856	4,396	2,814	1,156	8,366	9,222
12.	Madhya Pradesh	7,013	15,500	2,896	3,069	21,465	28,478
13.	Maharashtra	979	12,539	5,152	5,109	22,800	23,779
14.	Manipur	..	..	141	..	141	141
15.	Meghalaya	255	155	4,140	6,624	10,919	11,174
16.	Mizoram	368	150	17	3,348	3,515	3,883
17.	Nagaland	532	..	5,682	14,443	20,125	20,657
18.	Orissa	1,196	6,879	3,079	2,436	12,394	13,590
19.	Punjab	..	3	146	2	151	151
20.	Rajasthan	NA	NA	NA	NA	NA	NA
21.	Sikkim	64	..	194	255	449	513
22.	Tamil Nadu	769	36,523	3,455	1,384	41,362	42,131
23.	Tripura	111	645	19	1,067	1,731	1,842
24.	Uttar Pradesh	10,118	11,076	10,041	7,428	28,545	38,663
25.	West Bengal	1,500	62,379	2,780	4,161	69,320	70,820
	STATES TOTAL	49,834	2,63,924	71,050	75,541	4,10,515	4,60,349
26.	Andman & Nicobar	..	432	..	..	432	432
27.	Chandigarh	..	..	4	..	4	4
28.	Dadra & Nagar Haveli	..	..	2	2	4	4
29.	Daman & Diu	..	..	..	..	..	..
30.	Delhi	..	..	2	..	2	2
31.	Lakshadweep	..	..	..	..	..	..
32.	Pondicherry	11	618	38	..	656	667
	UTs. TOTAL	11	1,050	46	2	1,098	1,109
	GRAND TOTAL	49,845	2,64,974	71,096	75,543	4,11,613	4,61,458

MINOR IRRIGATION CENSUS (SURFACE FLOW IRRI. SCHEMES)

3D. SURFACE WATER SCHEMES BY ITS OWNER

Sl. No.	Name of States/UTs.	No. of Surface Flow Irri. Schemes Owned by			
		Govt.	Public	Pvt. Soci.	Total (col. 3 to col. 5)
1	2	3	4	5	6
1.	Andhra Pradesh	72,932	3,538	2,553	79,023
2.	Arunachal Pradesh	2,208	1,161	1,203	4,572
3.	Assam	118	931	1,884	2,933
4.	Bihar	23,672	4,453	10,887	39,012
5.	Goa	116	572	2,427	3,115
6.	Gujarat	768	6	31	805
7.	Haryana	7	--	80	87
8.	Himachal Pradesh	6420	684	9,791	16,895
9.	Jammu & Kashmir	2,842	3,861	1,211	7,914
10.	Karnataka	37,902	1,009	1,101	40,012
11.	Kerala	6,022	1,067	2,134	9,223
12.	Madhya Pradesh	15,142	793	5,520	21,455
13.	Maharashtra	9,245	6,507	7,932	23,684
14.	Manipur	141	..	..	141
15.	Meghalaya	177	2,655	8,342	11,174
16.	Mizoram	16	574	3,293	3,883
17.	Nagaland	50	20,575	32	20,657
18.	Orissa	9,569	905	3,116	13,590
19.	Punjab	48	1	102	151
20.	Rajasthan	NA	NA	NA	NA
21.	Sikkim	266	250	35	551
22.	Tamil Nadu	40,517	284	1,330	42,131
23.	Tripura	1,250	258	334	1,842
24.	Uttar Pradesh	3,253	14,261	11,114	28,628
25.	West Bengal	8,084	4,462	51,318	63,884
	STATES TOTAL	**2,40,765**	**68,807**	**1,25,770**	**4,45,342**
26.	Andman & Nicobar	..	..	432	432
27.	Chandigarh	3	1	..	4
28.	Dadra & Nagar Haveli	3	..	1	4
29.	Daman & Diu	..	..	..	..
30.	Delhi	2	..	..	2
31.	Lakshadweep	..	..	..	..
32.	Pondicherry	662	..	..	662
	UTs. TOTAL	**670**	**1**	**433**	**1,104**
	GRAND TOTAL	**2,41,435**	**68,808**	**1,26,203**	**4,46,446**

MINOR IRRIGATION CENSUS (SURFACE FLOW IRRI. SCHEMES)

4D. AREA BENEFITTED BY SURFACE WATER FLOW IRRI. SCHEMES

Sl. No.	Name of State/UT.	Culturable Command Area (in ha.)	Gross Irri. Pot. Created (in ha.)	Area Irri. by Surface Flow Schemes (in HA.)				
				Kharif	Rabi	Perenl.	Others	Total (col. 5 to col. 8)
1	2	3	4	5	6	7	8	9
1.	Andhra Pradesh	14,07,203	14,41,430	7,66,917	2,57,995	1,749	21,076	10,47,737
2.	Arunachal Pradesh	56,451	60,462	39,102	3,294	580	5	42,931
3.	Assam	87,862	97,650	66,535	6,633	424	1,263	78,855
4.	Bihar	5,72,232	5,73,602	5,07,696	83,312	9,993	6,268	6,07,269
5.	Goa	9,450	10,532	5	5,807	1,646	116	7,574
6.	Gujarat	2,02,530	1,83,518	8,147	3,567	228	133	12,075
7.	Haryana	3,069	3,283	1,250	1,821	31	18	3,120
8.	Himachal Pradesh	98,555	1,65,131	74,457	66,063	4,177	432	1,45,129
9.	Jammu & Kashmir	NA	NA	NA	NA	NA	NA	NA
10.	Karnataka	7,63,952	7,87,447	2,44,037	51,743	26,735	17,136	3,39,651
11.	Kerala	1,24,576	1,76,736	70,466	58,230	4,452	5,300	1,33,453
12.	Madhya Pradesh	5,60,598	4,86,036	2,38,447	1,35,764	872	162	3,75,245
13.	Maharashtra	6,25,449	67,537	2,79,727	1,20,037	18,008	7,226	4,24,993
14.	Manipur	11,331	16,691	10,031	1,300	..	..	11,331
15.	Meghalaya	30,926	35,336	21,926	2,973	3,100	366	28,365
16.	Mizoram	8,634	6,243	5,128	452	13	..	5,593
17.	Nagaland	66,687	52,236	50,693	..	..	..	50,693
18.	Orissa	3,51,678	4,14,396	2,64,740	24,767	774	142	2,90,243
19.	Punjab	1,731	2,869	686	945	16	..	1,647
20.	Rajasthan	NA	NA	NA	NA	NA	NA	NA
21.	Sikkim	15,862	15,649	10,742	3,640	1,157	109	15,648
22.	Tamil Nadu	11,16,067	11,30,955	2,33,526	5,23,536	46,552	11,920	8,15,534
23.	Tripura	9,294	11,006	1,931	5,544	38	170	7,683
24.	Uttar Pradesh	1,37,735	1,56,606	54,215	43,292	7,153	6,153	1,10,813
25.	West Bengal	3,57,212	4,27,724	2,16,785	81,768	3,331	14,953	3,16,837
	STATES TOTAL	66,19,084	63,23,075	31,67,189	14,82,483	1,31,039	92,948	48,73,659
26.	Andman & Nicobar	..	260	..	260	..	..	260
27.	Chandigarh	291	679	289	289	27	56	661
28.	Dadra & Nagar Haveli	60	40	..	8	3	2	13
29.	Daman & Diu	...	..	..	..	..	..	..
30.	Delhi	551	741	509	232	..	..	741
31.	Lakshadweep	..	..	..	..	..	..	..
32.	Pondicherry	15,328	16,310	4,231	10,058	47	10	14,346
	UTs. TOTAL	16,230	18,030	5,029	10,847	77	68	16,021
	GRAND TOTAL	66,35,314	63,41,105	31,72,218	14,93,330	1,31,116	93,016	48,89,680

MINOR IRRIGATION CENSUS (SURFACE FLOW IRRI. SCHEMES)

5D. CROPWISE AREA IRRI. BY SURFACE FLOW IRRI. SCHEMES AS SUPPLEMENTARY SOURCES

Sl. No.	Name of States/UTs.	No. of Schemes	Area Irri. As suppl. Sources (in HA)				
			Kharif	Rabi	Perenl	Others	Total (col. 4 to col 7)
1	2	3	4	5	6	7	8
1.	Andhra Pradesh	79,023	..	..	..	..	..
2.	Arunachal Pradesh	4,572	..	..	..	..	..
3.	Assam	2,933	..	..	..	..	..
4.	Bihar	39,002	48,603	16,526	1,744	1,111	67,984
5.	Goa	3,115	..	59	6	..	65
6.	Gujarat	805	105	117	2	5	229
7.	Haryana	87	..	..	..	..	..
8.	Himachal Pradesh	16,895	58	34	1	..	93
9.	Jammu & Kashmir	7,823	14,729	2,636	25	29	17,419
10.	Karnataka	40,012	7,529	2,415	2,088	659	12,691
11.	Kerala	9,223	8,779	8,952	37	913	18,681
12.	Madhya Pradesh	21,608	23,688	14,908	221	160	38,977
13.	Maharashtra	9,516	23,818	45,830	4,876	1,317	75,891
14.	Manipur	148	..	..	..	..	..
15.	Meghalaya	11,174	115	1	..	..	116
16.	Mizoram	3,883	..	--	..	--	..
17	Nagaland	20,657	--	..	..	..	..
18.	Orissa	13,590	1,498	195	12	51	1,756
19.	Punjab	292	50	30	12	..	92
20.	Rajasthan	NA	NA	NA	NA	NA	NA
21.	Sikkim	434	..	--	..	..	..
22.	Tamil Nadu	42,131	30,649	40,784	7,688	1,586	80,707
23.	Tripura	1,842	1,002	14	82	1,195	2,293
24.	Uttar Pradesh	28,497	2,816	1,703	97	55	4,671
25.	West Bengal	76,813	20,508	5,974	219	1,599	28,300
	STATES TOTAL	**4,34,075**	**1,83,997**	**1,40,188**	**17,110**	**8,680**	**3,49,965**
26.	Andman & Nicobar	432	..	..	..	--	..
27.	Chandigarh	4	..	..	--	--	..
28.	Dadra & Nagar Haveli	3	..	..	--	--	..
29.	Daman & Diu	..	..	..	--	--	..
30.	Delhi	2	..	..	..	..	..
31.	Lakshadweep	..	..	..	..	--	..
32.	Pondicherry	667	3,558	5,350	29	3	8,940
	UTs. TOTAL	**1,108**	**3,558**	**5,350**	**29**	**3**	**8,940**
	GRAND TOTAL	**4,35,183**	**1,87,555**	**1,45,528**	**17,139**	**8,683**	**3,58,905**

MINOR IRRIGATION CENSUS (SURFACE LIFT IRRI. SCHEMES)

1E. SURFACE LIFT IRRI. SCHEMES COMMISSIONED OVER THE YEARS

Sl. No.	Name of States/UTs.	No of Surface Lift Irri. Schemes Commissioned During						
		Before 82-83	82-83	83-84	84-85	85-86	86-87	Total (col. 3 to col. 8)
1	2	3	4	5	6	7	8	9
1.	Andhra Pradesh	9,508	1,286	1,569	1,430	691	587	15,071
2.	Arunachal Pradesh	8	..	1	..	3	6	18
3.	Assam	738	200	274	250	304	593	2,359
4.	Bihar	3,718	334	171	177	154	191	4,745
5.	Goa	426	68	60	33	34	28	649
6.	Gujarat	844	108	57	95	199	194	1,497
7.	Haryana	38	..	..	..	..	..	38
8.	Himachal Pradesh	350	12	37	26	25	39	489
9.	Jammu & Kashmir	224	13	16	11	14	9	287
10.	Karnataka	15,061	2,607	2,618	2,928	3,049	3,731	29,994
11.	Kerala	NA	NA	NA	NA	NA	NA	52,461
12.	Madhya Pradesh	38,779	3,034	3,797	5,556	5,819	8,763	65,803
13.	Maharashtra	23,866	3,819	3,317	5,171	5,182	4,538	45,893
14.	Manipur	..	1	3	11	6	3	24
15.	Meghalaya	25	1	..	..	3	1	30
16.	Mizoram	..	..	..	..	3	..	3
17.	Nagaland	..	..	..	..	..	..	..
18.	Orissa	4,379	741	807	918	664	652	8,161
19.	Punjab	NA	NA	NA	NA	NA	NA	399
20.	Rajasthan	NA	NA	NA	NA	A	NA	NA
21.	Sikkim	..	..	..	..	..	..	..
22.	Tamil Nadu	8,134	417	78	122	256	267	9,274
23.	Tripura	924	286	135	170	23	525	2,054
24.	Uttar Pradesh	NA	NA	NA	NA	NA	NA	32,773
25.	West Bengal	NA	NA	NA	NA	NA	NA	1,75,651
	STATE STOTAL	1,07,022	12,977	12,940	16,898	16,429	20,133	4,48,698
26.	Andaman & Nicobar	91	39	99	95	70	66	460
27.	Chandigarh	26	10	5	5	..	1	47
28.	Dadra & Nagar Haveli	..	..	..	..	..	..	..
29.	Daman & Diu	..	..	..	..	..	..	..
30.	Delhi	5	..	..	1	..	..	6
31.	Lakshadweep	..	..	..	..	..	..	..
32.	Pondicherry	20	..	..	..	4	..	24
	UTs. TOTAL	142	49	104	101	74	67	537
	GRAND TOTAL	1,07,164	13,026	13,044	16,999	16,503	20,200	4,49,235

MINOR IRRIGATION CENSUS (SURFACE LIFT IRRI. SCHEMES)

2E. SURFACE LIFT IRRI. SCHEMES BY TYPES OF ITS SOURCE

Sl. No.	Name of States/UTs.	Type of Surface Lift Irri. Schemes					
		Not in use (in nos.)	In use and is on				
			River	Drain/ Canal	Tank	Total (4+5+6)	Total (3+7)
1	2	3	4	5	6	7	8
1.	Andhra Pradesh	517	12,095	2,027	432	14,554	15,071
2.	Arunachal Pradesh	6	12	..	..	12	18
3.	Assam	163	904	837	455	2,196	2,359
4.	Bihar	673	1,713	1,312	1,730	4,755	5,428
5.	Goa	13	522	32	82	636	649
6.	Gujarat	298	982	170	47	1,199	1,497
7.	Haryana	..	2	36	..	38	38
8.	Himachal Pradesh	29	289	157	14	460	489
9.	Jammu & Kashmir	20	92	132	44	268	288
10.	Karnataka	504	27,144	1,242	1,104	29,490	29,994
11.	Kerala	464	4,970	1,720	45,340	52,033	52,497
12.	Madhya Pradesh	289	61,499	1,090	3,234	65,823	66,112
13.	Maharashtra	1,173	49,148	4,660	2,302	56,110	57,283
14.	Manipur	..	24	..	..	24	24
15.	Meghalaya	1	27	2	..	29	30
16.	Mizoram	..	3	..	..	3	3
17.	Nagaland	..	..	..	..	..	..
18.	Orissa	982	4,914	1,115	1,110	7,179	8,161
19.	Punjab	..	83	310	2	395	395
20.	Rajasthan	NA	NA	NA	NA	NA	NA
21.	Sikkim	..	..	..	..	..	..
22.	Tamil Nadu	23	5,770	3,142	339	9,251	9,274
23.	Tripura	268	964	447	575	1,986	2,254
24.	Uttar Pradesh	1,054	8,127	9,133	16,746	34,006	35,060
25.	West Bengal	3,780	11,993	22,485	1,68,213	2,02,691	2,06,471
	STATES TOTAL	10,257	1,91,277	50,092	2,41,769	4,83,138	4,93,395
26.	Andaman & Nicobar	..	..	..	460	460	460
27.	Chandigarh	..	..	47	..	47	47
28.	Dadra & Nagar Haveli	..	42	2	..	44	44
29.	Daman & Diu	..	..	..	..	..	..
30.	Delhi	..	..	5	1	6	6
31.	Lakshadweep	..	..	..	..	..	..
32.	Pondicherry	..	12	4	8	24	24
	UTs. TOTAL	..	54	58	469	581	581
	GRAND TOTAL	10,257	1,91,331	50,150	2,42,238	4,83,719	4,93,976

MINOR IRRIGATION CENSUS (SURFACE LIFT IRRI. SCHEMES)

3E. SURFACE LIFT IRRI. SCHEMES BY ITS OWNER

Sl. No.	Name of State/UT.	No. of Surface Lift Irri. Schemes Owned by			
		Government	Public	Pvt. Soci.	Total
1	2	3	4	5	6
1.	Andhra Pradesh	473	420	14,178	15,071
2.	Arunachal Pradesh	18	..	..	18
3.	Assam	842	51	1,466	2,359
4.	Bihar	3,510	286	958	4,754
5.	Goa	52	23	574	649
6.	Gujarat	177	133	1,187	1,497
7.	Haryana	38	..	..	38
8.	Himachal Pradesh	243	4	242	489
9.	Jammu & Kashmir	214	18	56	288
10.	Karnataka	448	28,003	1,035	29,486
11.	Kerala	1,063	1,425	49,973	52,461
12.	Madhya Pradesh	11,674	201	53,928	65,803
13.	Maharashtra	3,820	3,478	48,958	46,256
14.	Manipur	24	..	..	24
15.	Meghalaya	29	..	1	30
16.	Mizoram	3	..	..	3
17.	Nagaland	..	..	..	..
18.	Orissa	4,883	145	3,133	8,161
19.	Punjab	1	..	398	399
20.	Rajasthan	NA	NA	NA	NA
21.	Sikkim	..	..	..	..
22.	Tamil Nadu	2,914	9	6,351	9,274
23.	Tripura	588	94	1,572	2,254
24.	Uttar Pradesh	3,254	4,215	26,609	34,078
25.	West Bengal	12,685	2,775	1,91,611	2,07,071
	STATES TOTAL	46,953	41,280	4,02,230	4,90,463
26.	Andman & Nicobar	..	..	460	460
27.	Chandigarh	2	..	46	48
28.	Dadra & Nagar Haveli	14	1	29	44
29.	Daman & Diu	..	..	..	..
30.	Delhi	5	..	1	6
31.	Lakshadweep	..	..	..	..
32.	Pondicherry	1	..	23	24
	UTs. TOTAL	22	1	559	582
	GRANT TOTAL	46,975	41,281	4,02,789	4,91,045

MINOR IRRIGATION CENSUS IN (SURFACE LIFT IRRI. SCHEMES)

4E. SURFACE LIFT IRRI. SCHEMES BY WATER LIFTING DEVICES USED

Sl. No.	Name of State/UT	No. of Schemes not in use	No. of S.L.I. Schemes with Lift Devi.		
			Electric Pump	Diesel Pump	Total (3+4+5)
1	2	3	4	5	6
1.	Andhra Pradesh	517	11,628	2,474	14,619
2.	Arunachal Pradesh	6	..	16	22
3.	Assam	163	784	1,609	2,556
4.	Bihar	673	1,629	3,125	5,427
5.	Goa	13	451	118	582
6.	Gujarat	298	732	467	1,497
7.	Haryana	..	38	..	38
8.	Himachal Pradesh	29	359	130	518
9.	Jammu & Kashmir	20	242	46	308
10.	Karnataka	504	26,439	3,136	30,079
11.	Kerala	464	43,785	8,205	52,454
12.	Madhya Pradesh	289	31,278	33,934	65,501
13.	Maharashtra	1,173	46,273	9,689	57,135
14.	Manipur	..	..	24	24
15.	Meghalaya	1	10	20	31
16.	Mizoram	..	1	2	3
17.	Nagaland	..	..	..	..
18.	Orissa	982	6,707	1,454	9,145
19.	Punjab	..	86	313	399
20.	Rajasthan	NA	NA	NA	NA
21.	Sikkim	..	..	..	..
22.	Tamil Nadu	23	3,591	5,659	9,273
23.	Tripura	268	256	1,998	2,522
24.	Uttar Pradesh	1,054	504	33,526	35,084
25.	West Bengal	3,780	934	1,04,426	1,09,140
	STATES TOTAL	10,257	1,75,727	2,10,371	3,96,355
26.	Andman & Nicobar	..	..	460	460
27.	Chandigarh	..	33	15	48
28.	Dadra & Nagar Haveli	..	39	19	58
29.	Daman & Diu	..	..	..	..
30.	Delhi	..	6	..	6
31.	Lakshadweep	..	..	..	..
32.	Pondicherry	..	2	22	24
	UTs. TOTAL	..	80	516	596
	GRAND TOTAL	10,257	1,76,807	2,10,887	3,96,951

MINOR IRRIGATION CENSUS (SURFACE LIFT IRRI. SCHEMES)

5E. AREA BENEFITTED BY SURFACE LIFT IRRI. SCHEMES

Sl. No.	Name of States/UTs.	Culturable Command Area (in ha.)	Gross Irri. pot. Created (in ha.)	Area Irri. by Surface Lift Schemes (inha.)				
				Kharif	Rabi	Perenal	Others	Total (col. 5 to col. 8)
1	2	3	4	5	6	7	8	9
1.	Andhra Pradesh	1,12,147	1,12,398	59,843	21,741	1,649	1,540	84,773
2.	Arunachal Pradesh	308	308	281	20	..	..	301
3.	Assam	72,128	90,922	33,951	16,728	370	1,127	52,176
4.	Bihar	1,68,909	1,73,994	92,059	40,315	6,551	6,980	1,45,905
5.	Goa	3,858	3,700	..	254	1,654	477	2,385
6.	Gujarat	27,682	31,608	2,736	3,036	1,652	1,005	8,469
7.	Haryana	1,957	2,901	1,552	4,401	..	..	5,953
8.	Himachal Pradesh	6,876	11,350	2,633	3,364	193	64	6,254
9.	Jammu & Kashmir	29,919	30,387	26,023	4,057	417	..	30,497
10.	Karnataka	1,88,744	2,17,547	77,547	33,652	20,309	19,091	1,50,599
11.	Kerala	1,10,936	1,64,626	41,139	32,461	13,070	32,726	1,19,396
12.	Madhya Pradesh	2,61,241	2,40,189	28,697	1,92,737	1,519	156	2,23,109
13.	Maharashtra	3,03,987	2,96,447	82,778	95,572	92,358	15,606	2,86,315
14.	Manipur	2,880	4,800	1,040	1,360	..	480	2,880
15.	Meghalaya	2,914	3,488	1,814	141	80	..	2,035
16.	Mizoram	170	265	145	115	..	..	260
17.	Nagaland	..	..	..	..	..	..	..
18.	Orissa	1,20,861	1,78,959	37,074	33,502	1,317	260	72,153
19.	Punjab	2,554	4,475	1,405	1,434	18	178	3,055
20.	Rajasthan	NA	NA	NA	NA	NA	NA	NA
21.	Sikkim	..	..	..	..	..	..	..
22.	Tamil Nadu	33,523	33,328	8,662	6,134	7,905	672	23,373
23.	Tripura	19,796	39,504	6,908	7,128	486	917	15,339
24.	Uttar Pradesh	1,14,190	1,38,012	36,964	68,226	1,873	2,745	1,09,808
25.	West Bengal	5,45,654	6,95,186	1,44,841	2,38,520	14,017	55,012	4,52,290
	STATES TOTAL	**21,30,959**	**24,74,394**	**6,88,093**	**8,04,838**	**1,65,338**	**1,39,036**	**17,97,305**
26.	Andman & Nicobar	..	921	..	921	..	..	921
27.	Chandigarh	143	299	142	141	19	19	321
28.	Dadra & Nagar Haveli	244	346	129	104	86	1	320
29.	Daman & Diu	..	..	..	..	..	..	..
30.	Delhi	1,704	3,626	1,435	1,842	81	..	3,358
31.	Lakshadweep	..	..	..	..	..	..	..
32.	Pondicherry	106	115	16	61	30	..	107
	UTs. TOTAL	**2,197**	**5,307**	**1,722**	**3,069**	**216**	**20**	**5,027**
	GRAND TOTAL	**21,33,156**	**24,79,701**	**6,89,815**	**8,07,907**	**1,65,554**	**1,39,056**	**18,02,332**

MINOR IRRIGATION CENSUS (SURFACE LIFT IRRI. SCHEMES)

6E. AREA IRRI. BY SURFACE LIFT SCHEMES AS SUPPLEMENTARY SOURCES

Sl. No.	Name of States/UTs.	No. of Schemes	Area Irri. from other Sources (In ha.)				
			Kharif	Rabi	Perennial	Others	Total (Col. 4 to Col. 7)
1	2	3	4	5	6	7	8
1.	Andhra Pradesh	15,071	196	..	..	..	196
2.	Arunachal Pradesh	18	..	..	..	..	..
3.	Assam	2,359	..	..	..	..	..
4.	Bihar	4,745	22,438	11,841	1,057	2,921	38,257
5.	Goa	649	..	1	..	..	1
6.	Gujarat	1,497	..	2	1	..	3
7.	Haryana	38	..	..	..	..	..
8.	Himachal Pradesh	489	13	12	..	..	25
9.	Jammu & Kashmir	287	2,001	968	..	..	2,969
10.	Karnataka	29,994	3,266	2,632	885	425	7,208
11.	Kerala	52,461	10,251	9,584	5,910	3,424	29,169
12.	Madhya Pradesh	65.803	743	9,785	20	..	10,548
13.	Maharashtra	45,893	22,854	1,03,346	8,657	1,541	1,33,398
14.	Manipur	24	..	..	..	..	..
15.	Meghalaya	30	..	..	..	..	..
16.	Mizoram	3	..	..	..	..	..
17.	Nagaland	..	..	..	..	..	..
18.	Orissa	8,161	627	103	2	..	732
19.	Punjab	399	266	284	12	159	721
20.	Rajasthan	NA	NA	NA	NA	NA	NA
21.	Sikkim	..	..	..	..	..	..
22.	Tamil Nadu	9,274	150	287	276	145	858
23.	Tripura	2,064	110	84	8	13	215
24.	Uttar Pradesh	32,778	7,205	10,474	398	497	18,574
25.	West Bengal	1,76,661	51,205	11,823	695	4,208	67,931
	STATES TOTAL	4,48,698	1,21,325	1,61,226	14,921	13,333	3,10,805
26.	Andman & Nicobar	460	..	..	..	..	..
27.	Chandigarh	47	..	..	..	..	..
28.	Dadra & Nagar Haveli	..	..	..	..	..	..
29.	Daman & Diu	..	..	..	..	..	..
30.	Delhi	6	..	..	..	..	..
31.	Lakshadweep	..	..	..	..	..	..
32.	Pondicherry	24	..	..	..	..	..
	UTs. TOTAL	537	..	..	..	..	..
	GRAND TOTAL	4,49,235	1,21,325	1,61,226	14,921	13,333	3,10,805

MINOR IRRIGATION CENSUS

1F. MINOR IRRIGATION POTENTIAL CREATED/UTILIZED IN 1986-87

Sl. No.	States/UTs.	Ground Water			Surface Water			Total		
		Ultimate (000' ha.)	Pot. (ha.)	Uti. (ha)	Ultimate (000'ha.)	Pot. (ha.)	Uti. (ha.)	Ultimate (000' ha.)	Pot. (ha.)	Uti. (ha.)
1	2	3	4	5	6	7	8	9	10	11
1.	Andhra Pradesh	5,190·0	18,31,333	15,93,106	2,300·0	15,53,828	11,32,510	7,490·0	33,85,161	27,25,616
2.	Arunachal Pradesh	20·0	...	...	150·0	60,770	43,282	170·00	60,770	43,282
3.	Assam	1,560·0	52,222	32,489	1,000·0	1,88,572	1,27,031	2,560·0	2,40,794	1,59,520
4.	Bihar	7,180·0	23,94,143	21,25,878	1,900·0	7,47,596	7,53,174	9,080·0	31,41,739	28,79,052
5.	Goa	76·0	3,511	1,962	25·0	14,232	9,959	101·0	17,743	11,921
6.	Gujarat	4,810·0	36,28,995	14,18,239	347·0	2,15,126	20,544	5,157·0	38,44,121	14,38,783
7.	Haryana	1,880·0	19,31,524	17,33,570	50·0	6,184	9,073	1,930·0	19,37,708	17,42,643
8.	Himachal Pradesh	74·0	19,467	14,951	235·0	1,76,481	1,51,383	309·0	1,95,948	1,66,334
9.	Jammu & Kashmir	783·0	NA	NA	NA	NA	NA	1,183·0	NA	NA
10.	Karnataka	3,120·0	7,35,439	6,01,468	900·0	10,04,994	4,90,250	4,020·0	17,40,433	10,91,718
11.	Kerala	990·0	55,047	55,047	800·0	3,41,362	2,57,854	1,790·0	3,96,409	3,12,901
12.	Madhya Pradesh	12,700·0	16,61,931	14,62,860	2,200·0	7,26,225	5,98,354	14,900·0	23,88,156	20,61,214
13.	Maharashtra	5,840·0	22,84,839	22,46,020	1,200·0	3,63,984	7,11,313	7,040·0	26,48,823	29,57,333
14.	Manipur	16·0	...	...	100·0	21,491	14,211	116·0	21,491	14,211
15.	Meghalaya	56·0	10,942	4,625	85·0	38,824	30,400	141·0	49,766	35,025
16.	Mizoram	5·0	...	...	7·0	6,508	5 8 3	750. 0	6,508	5,853
17.	Nagaland	5·0	88	88	75·0	52,236	50,693	80·0	52,324	50,781
18.	Orissa	5,400·0	2,33,776	1,12,077	1,000·0	5,93,355	3,62,576	6,400·0	8,27,131	4,74,653
19.	Punjab	3,820·0	47,64,866	45,73,958	50·0	7,344	4,682	3,870·0	47,72,210	45,78,640
20.	Rajasthan	3,440·0	NA	NA	600·0	NA	NA	4,040·0	NA	NA
21.	Sikkim	2·0	...	...	50·0	15,649	15,648	52·0	15,649	15,648
22.	Tamil Nadu	3,350·0	18,23,522	12,77,560	1,200·0	11,64,283	8,38,007	4,550·0	29,87,805	21,16,467
23.	Tripura	80·0	9,275	6,159	100·0	50,510	23,022	180·0	59,785	29,181
24.	Uttar Pradesh	18,000·0	97,38,774	84,56,630	1,200·0	2,94,618	2,20,621	19,200·0	1,00,33,392	86,77,251
25.	West Bengal	1,880·0	12,36,179	9,91,066	1,300·0	11,22,910	7,69,127	3,180·0	23,59,089	17,60,193
	STATES TOTAL	**80,277·0**	**3,24,15,873**	**2,67,07,753**	**17,337·0**	**87,67,082**	**66,40,467**	**97,614·0**	**4,11,82,955**	**3,33,48,220**
26.	Andaman & Nicobar	0·5	...	...	15·0	1,181	1,181	15·5	1,181	1,181
27.	Chandigarh	0·5	3,379	2,657	0·5	978	982	1·0	4,357	3,639
28.	Dadra & Nagar Haveli	8·0	707	577	5·0	386	333	13·0	1,093	910
29.	Daman & Diu	1·0	742	515	5·0	...	...	6·0	742	515
30.	Delhi	111·0	56,448	56,379	10·0	4,367	4,099	121·0	60,815	60,478
31.	Lakshadweep	0·0	...	...	0·5	...	...	0·5	...	...
32.	Pondicherry	0·0	16,117	15,725	5·0	16,425	14,453	5·0	32,542	30,178
	UTs. TOTAL	**121·0**	**77,393**	**75,853**	**41·0**	**23,337**	**21,048**	**162·2**	**1,00,730**	**96,901**
	GRAND TOTAL	**80,398·0**	**3,24,93,266**	**2,67,83,606**	**17,378·0**	**87,90,419**	**66,61,515**	**97,776·0**	**4,12,83,685**	**3,34,45,121**

Slight change

MINOR IRRIGATION CENSUS

2F. GROUND WATER POTENTIAL CREATED/UTILIZED BY DIFFERENT TYPE OF SCHEMES

Sl. No.	State/UT	Ultimate (000'ha.)	Ground Water Potential created/utilised by (ha.)							
			Dugwell		Shallow Tube Well		Deep Tube Well		Total	
			Pot.	Uti.	Pot.	Uti.	Pot.	Uti.	Pot.	Uti.
1	2	3	4	5	6	7	8	9	10	11
1.	Andhra Pradesh	5,190·0	14,80,634	12,75,152	2,85,457	2,64,553	65,242	53,401	18,31,333	15,93,106
2.	Arunachal Pradesh	20·0	..	..	..	..	..	..	..	..
3.	Assam	1,560·0	486	315	38,608	23,664	13,128	8,510	52,222	32,489
4.	Bihar	7,180·0	4,92,633	4,44,413	14,71,133	13,45,904	4,30,377	3,35,561	23,94,143	21,25,878
5.	Goa	76·0	3,493	1,945	4	3	14	14	3,511	1,962
6.	Gujarat	4,810·0	30,22,381	9,84,228	53,301	37,145	5,51,313	3,96,866	36,28,995	14,18,239
7.	Haryana	1,880·0	86,424	85,622	18,05,727	16,12,261	39,373	35,687	19,31,524	17,33,570
8.	Himachal Pradesh	74·0	5,362	4,470	7,794	5,920	6,311	4,561	19,467	14,951
9.	Jammu & Kashmir	783·0	925	1,032	1,597	1,855	3,282	3,282	5,804	6,169
10.	Karnataka	3,120·0	6,20,263	4,96,989	97,187	88,678	17,989	15,801	7,35,439	6,01,468
11.	Kerala	990·0	55,047	55,047	..	..	..	..	55,047	55,047
12.	Madhya Pradesh	12,700·0	15,42,167	13,43,505	96,791	96,903	22,973	22,452	16,61,931	14,62,860
13.	Maharashtra	5,840·0	22,60,650	21,98,286	9,799	9,686	14,390	38,048	28,84,839	22,46,020
14.	Manipur	16·0	..	..	..	..	..	..	..	..
15.	Meghalaya	56·0	340	307	10,337	4,053	265	265	10,942	4,625
16.	Mizoram	5·0	..	..	..	..	..	..	..	..
17.	Nagaland	5·0	88	88	..	..	..	..	88	88
18.	Orissa	5,400·0	1,06,569	63,080	58,098	25,285	69,109	23,712	2,33,776	1,12,077
19.	Punjab	3,820·0	26,916	24,185	46,60,308	44,90,346	77,642	59,427	47,64,866	45,73,958
20.	Rajasthan	3,440·0	NA	NA	NA	NA	N A	NA	NA	NA
21.	Sikkim	2·0	..	..	..	..	..	..	..	..
22.	Tamil Nadu	3,350·0	16,38,425	11,03,016	1,70,950	1,63,049	1,417	1,495	18,23,522	12,77,560
23.	Tripura	80·0	92	88	4,289	4,342	4,894	1,729	9,275	6,159
24.	Uttar Padesh	18,000·0	3,77,750	2,87,517	70,33,952	65,09,095	23,27,072	16,60,018	97,38,774	84,56,630
25.	West Bengal	1,880·0	44,054	32,099	9,94,475	8,68,655	1,97,650	90,312	12,36,179	9,91,066
	STATE TOTAL	**80,277·0**	**1,17,64,699**	**84,01,384**	**1,68,01,807**	**1,55,51,397**	**38,55,171**	**27,61,141**	**32,421,677**	**2,67,13,922**
26.	Andman & Nicobar	0·5	..	..	..	..	..	..	..	..
27.	Chandigarh	0·5	154	18	1,411	837	1,814	1,802	3,379	2,657
28.	Dadra & Nagar Haveli	8·0	636	514	71	63	..	..	707	577
29.	Daman & Diu	1·0	739	513	3	2	..	..	742	515
30.	Delhi	111·0	..	..	56,448	56,379	..	..	56,448	56,379
31.	Lakshadweep	0·0	..	..	..	..	..	..	..	..
32.	Pondicherry	0·0	11,973	11,722	2,961	2,913	1,183	1,090	16,177	15,725
	UTs. TOTAL	**121·0**	**13,502**	**12,767**	**60,894**	**60,194**	**2,997**	**2,892**	**77,393**	**75,853**
	GRAND TOTAL	**80,398·0**	**1,17,78,201**	**84,14,151**	**1,68,62,701**	**1,56,11,591**	**38,58,168**	**27,64,033**	**3,24,99,070**	**2,67,89,775**

MINOR IRRIGATION CENSUS

3F. SURFACE WATER IRRIGATION POTENTIAL CREATED/UTILIZED BY DIFFERENT TYPE OF SCHEMES

Sl. No.	State/UT	Ultimate (000'ha)	Surface Water Irrigation Potential Created/Utilised by (ha.)					
			Surface Flow Scheme		Surface Lift-Scheme		Total	
			Pot.	Uti.	Pot.	Uti.	Pot.	Uti.
1	2	3	4	5	6	7	8	9
1.	Andhra Pradesh	2300·0	14,41,430	10,47,737	1,12,398	84,773	15,53,828	11,32,510
2.	Arunachal Pradesh	150·0	60,462	42,981	308	301	60,770	43,282
3.	Assam	1000·0	97,650	74,855	90,922	52,176	1,88,572	1,27,031
4.	Bihar	1900·0	5,73,602	6,07,269	1,73,994	1,45,905	7,47,596	7,53,174
5.	Goa	25·0	10,532	7,574	3,700	2,385	14,232	9,959
6.	Gujarat	347·0	1,83,518	12,075	31,608	8,469	2,15,126	20,544
7.	Haryana	50·0	3,283	3,120	2,901	5,953	6,184	9,073
8.	Himachal Pradesh	235·0	1,65,131	1,45,129	11,350	6,254	1,76,481	1,51,383
9.	Jammu & Kashmir	400·0	NA	NA	NA	NA	NA	NA
10.	Karnataka	900·0	7,87,447	3,39,651	2,17,547	1,50,599	10,04,994	4,90,250
11.	Kerala	800·0	1,76,736	1,38,458	1,64,626	1,19,396	3,41,362	2,57,854
12.	Madhya Pradesh	2200·0	4,85,036	3,75,245	2,40,189	2,23,109	7,26,225	5,98,354
13.	Maharashtra	1200·0	67,337	4,24,998	2,96,447	2,86,315	3,63,984	7,11,313
14.	Manipur	100·0	16,691	11,331	4,800	2,880	21,491	14,211
15.	Meghalaya	85·0	35,336	28,365	3,488	2,035	38,824	30,400
16.	Mizoram	70·0	6,243	5,593	265	260	6,508	5,853
17.	Nagaland	75·0	52,236	50,693	..	..	52,236	50,693
18.	Orissa	1000·0	4,14,396	2,90,423	1,78,959	72,153	5,93,355	3,62,576
19.	Punjab	50·0	2,869	1,647	4,475	3,035	7,344	4,682
20.	Rajasthan	600·0	NA	NA	NA	NA	NA	NA
21.	Sikkim	50·0	15,649	15,648	..	..	15,649	15,648
22.	Tamil Nadu	1200·0	11,30,955	8,15,534	33,328	23,373	11,64,283	8,38,907
23.	Tripura	100·0	11,006	7,683	39,504	15,339	50,510	23,022
24.	Uttar Pradesh	1200·0	1,56,606	1,10,813	1,38,012	1,09,808	2,94,618	2,20,621
25.	West Bengal	1300·0	4,27,724	3,16,837	6,95,186	4,52,290	11,29,910	7,69,127
	STATES TOTAL	17337·0	63,23,075	48,73,659	24,44,007	17,66,808	87,67,082	66,40,467
26.	Andman & Nicobar	15·0	260	260	921	921	1,181	1,181
27.	Chandigarh	0·5	679	661	299	321	978	982
28.	Dadra & Nagar Haveli	5·0	40	13	346	320	386	333
29.	Daman & Diu	5·0	..	..	..	..	..	..
30.	Delhi	10·0	741	741	3,626	3,358	4,367	4,099
31.	Lakshadweep	0·5	..	..	..	..	..	..
32.	Pondicherry	5·0	16,310	14,346	115	107	16,425	14,453
	UTs. TOTAL	41.0	18,030	16,021	5,307	5,027	23,337	21,048
	GRAND TOTAL	17,378·0	63,42,105	48,89,680	24,49,314	17,71,835	87,90,419	6,66,515

MINOR IRRIGATION CENSUS

4F. AREA IRRIGATED BY GROUND WATER SCHEMES AS SUPPLIMENTARY SOURCES

Sl. No.	Name of State/UT.	Area Irrigated by Ground water schmes as Supplimentary Sources (ha)				
		Kharif	Rabi	Perenl	Others	Total (col. 3 to col. 6)
1	2	3	4	5	6	7
1.	Andhra Pradesh	42	..	..	..	42
2.	Arunachal Pradesh	..	..	..	..	..
3.	Assam	..	..	..	..	..
4.	Bihar	1,88,478	1,39,133	19,987	15,706	3,63,309
5.	Goa	..	6	30	7	43
6.	Gujarat	10,071	14,395	1,181	6,769	32,416
7.	Haryana	1,59,851	2,32,698	3,460	3,071	3,99,030
8.	Himachal Pradesh	111	118	14	1	244
9.	Jammu & Kashmir	833	983	..	..	1,816
10.	Karnataka	9,969	6,064	3,934	2,202	22,169
11.	Kerala	..	..	..	..	..
12.	Madhya Pradesh	9,404	55,105	140	652	65,301
13.	Maharashtra	52,394	78,938	19,140	4,829	1,55,301
14.	Manipur	..	..	..	..	..
15.	Meghalaya	..	..	..	..	..
16.	Mizoram	..	..	..	..	..
17.	Nagaland	..	..	..	..	..
18.	Orissa	3,947	551	8,868	17	13,383
19.	Punjab	5,27,550	53,3,023	13,150	12,022	10,85,745
20.	Rajasthan	NA	NA	NA	NA	NA
21.	Sikkim	..	..	..	..	..
22.	Tamil Nadu	55,753	81,655	25,449	5,175	1,68,032
23.	Tripura	266	175	15	3	459
24.	Uttar Pradesh	3,83,698	4,90,048	69,665	52,387	99,57,98
25.	West Bengal	34,985	7,922	768	5,188	48,863
	STATES TOTAL	14,37,352	16,40,819	1,65,801	1,08,029	33,52,001
26.	Andman & Nicobar	..	..	..	..	..
27.	Chandigarh	3	3	2	..	8
28.	Dadra and Nagar Haveli	9	4	16	..	29
29.	Daman & Diu	..	..	..	..	..
30.	Delhi	2,436	2,523	..	24	4,983
31.	Lakshadweep	..	..	..	..	..
32.	Pondicherry	1,172	949	86	19	2,226
	UTs. TOTAL	3,620	3,479	104	43	7,246
	GRAND TOTAL	14,40,972	16,44,298	1,65,905	1,08,072	33,59,247

MINOR IRRIGATION CENSUS

5F. AREA IRRIGATED BY SURFACE WATER SCHEMES AS SUPPLIMENTARY SOURCES

Sl. No.	Name of State/UT.	Area Irri. by Surface water Scheme as Supplimentary Sources (ha.)				
		Kharif	Rabi	Perenl	Others	Total (col. 3 to col. 6)
1	2	3	4	5	6	7
1.	Andhra Pradesh	196	..	..	..	196
2.	Arunachal Pradesh	..	..	..	..	..
3.	Assam	..	..	..	..	..
4.	Bihar	71,041	28,367	2,801	4,032	1,06,241
5.	Goa	--	60	6	..	66
6.	Gujarat	105	119	3	5	232
7.	Haryana	..	..	..	..	..
8.	Himachal Pradesh	71	46	1	..	118
9.	Jammu & Kashmir	16,730	3,604	25	29	20,388
10.	Karnataka	10,795	5,047	3,973	1,084	19,899
11.	Kerala	19,030	18,536	5,947	4,337	47,850
12.	Madhya Pradesh	24,431	24,693	241	160	49,525
13.	Maharashtra	46,722	1,49,176	10,533	2,858	2,09,289
14.	Manipur	..	..	..	..	..
15.	Meghalaya	115	1	..	..	116
16.	Mizoram	..	..	..	..	..
17.	Nagaland	..	..	..	..	..
18.	Orissa	2,125	298	14	51	2,488
19.	Punjab	316	314	24	159	813
20.	Rajasthan	NA	NA	NA	NA	NA
21.	Sikkim	..	..	..	..	--
22.	Tamjil Nadu	30,799	41 ,071	7,964	1,731	81,565
23.	Tripura	1,112	98	90	1,208	2,508
24.	Uttar Pradesh	10,021	12,177	495	552	23,245
25.	West Bengal	17,713	17,797	914	5,807	9,231
	STATES TOTAL	3,05,322	3,01,404	32,031	22,013	6,60,770
26.	Andman & Nicobar	..	..	..	..	..
27.	Chandigarh	..	..	..	..	..
28.	Dadra & Nagar Haveli	..	..	..	..	..
29.	Danam & Diu	..	..	..	..	..
30.	Delhi	..	..	..	..	..
31.	Lakshadweep	..	..	..	..	..
32.	Pondicherry	3,558	5,350	29	3	8,940
	UTs. TOTAL	3,558	5,350	29	3	8,940
	GRAND TOTAL	3,08,880	3,06,754	32,060	22,016	6,69,710

MINOR IRRIGATION CENSUS

6F. AREA IRRIGATED BY MINOR IRRIGATION SCHEMES AS SUPPLIMENTARY SOURCES

Sl. No.	Name of State/UT	Area Irri. by Minor Irrigation Schemes as Supplimentary Source				
		Kharif	Rabi	Perenl	Others	To'al (col. 3 to col. 6)
1	2	3	4	5	6	7
1.	Andhra Pradesh	238	..	..	..	238
2.	Arunachal Pradesh	...	..	..	..	..
3.	Assam	..	..	...	...	..
4.	Bihar	2,59,519	1,67,505	22,788	19,738	4,69,550
5.	Goa	..	66	36	7	109
6.	Gujarat	10,176	14,514	1,184	6,774	32,648
7.	Haryana	1,59,851	2,32,698	3,460	3,071	3,99,080
8.	Himachal Pradesh	182	164	15	1	362
9.	Jammu & Kashmir	17,563	4,587	25	29	22,204
10.	Karnataka	20,764	11,111	6,907	3,286	42,068
11.	Kerala	19,030	18,536	5,947	4,337	47,850
12.	Madhya Pradesh	33,835	79,798	381	812	1,14,826
13.	Maharashtra	99,116	2,28,114	29,673	7,687	3,64,590
14.	Manipur	..	..	..	..	..
15.	Maghalaya	115	1	..	..	116
16.	Mizoram	..	..	..	..	..
17.	Nagaland	..	..	..	..	..
18.	Orissa	6,072	849	8,882	68	15,871
19.	Punjab	5,27,866	5,33,337	13,174	12,181	10,86,558
20.	Rajasthan	NA	NA	NA	NA	NA
21.	Sikkim	..	..	..	...	...
22.	Tamil Nadu	86,552	1,22,726	33,413	6,906	2,49,597
23.	Tripura	1,378	273	105	1,211	2,967
24.	Uttar Pradesh	3,93,719	5,02,225	70,160	52,939	10,19,043
25.	West Bengal	1,06,698	25,719	1,682	10,995	1,45,094
	STATES TOTAL	17,42,674	19,42,223	1,97,832	1,30,042	40,12,771
26.	Andman & Nicobar	..	..	..	...	...
27.	Chandigarh	3	3	2	..	8
28.	Dadra & Nagar Haveli	9	4	16	..	29
29.	Daman & Diu	..	..	..	..	..
30.	Delhi	2,436	2,523	..	24	4,983
31.	Laksahdweep	..	..	...	...	...
32.	Pondicherry	4,730	6,299	115	22	11,166
	UTs. TOTAL	7,178	8,829	133	46	16,186
	GRAND TOTAL	17,49,852	19,51,052	1,97,965	1,30,088	40,28,957

MINOR IRRIGATION CENSUS

7F. MINOR IRRIGATION PONDS/TANKS IN USE

Sl. No.	Name of State/UT.	Minor Irrigation Ponds/Tanks in use in nos)		
		S. Flow Schemes	S. Lift Schemes	Total
1	2	3	4	5
1.	Andhra Pradesh	60,745	432	61,177
2	Arunachal Pradesh	15	..	15
3.	Assam	33	455	488
4.	Bihar	30,351	1,730	32,081
5.	Goa	1,303	82	1,385
6.	Gujarat	160	47	207
7.	Haryana	7	..	7
8.	Himachal Pradesh	840	14	854
9.	Jammu & Kashmir	73	44	117
10.	Karnataka	20,152	1,104	21,256
11.	Kerala	4,396	45,340	49,736
12.	Madhya Pradesh	15,500	3,234	18,734
13.	Maharashtra	12,539	2,302	14,841
14.	Manipur	..	..	..
15.	Meghalaya	155	..	155
16.	Mizoram	150	..	150
17.	Nagaland	..	..	..
18.	Orissa	6,879	1,110	7,989
19.	Punjab	3	2	5
20.	Rajasthan	NA	NA	NA
21.	Sikkim	..	..	..
22.	Tamil Nadu	36,523	339	36,862
23.	Tripura	645	575	1,220
24.	Uttar Pradesh	11,076	16,746	27,822
25.	West Bengal	62,379	1,68,213	2,30,592
	STATES TOTAL	2,63,924	2,41,769	5,05,693
26.	Andman & Nicobar	432	460	892
27.	Chandigarh	..	..	..
28.	Dadra & Nagar Haveli	..	..	..
29.	Daman & Diu	..	..	..
30.	Delhi	..	1	1
31.	Lakshadweep	..	..	..
32.	Pondicherry	618	8	626
	UTs. TOTAL	1,050	469	1,519
	GRAND TOTAL	2,64,974	2,42,238	5,07,212

PART—II
STATISTICAL TABLES
(DISTRICT-WISE)

MINOR IRRIGATION CENSUS IN ANDHRA PRADESH FOR 1986-87

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF ANDHRA PRADESH (DUGWELLS)

STATE : ANDHRA PRADESH

Sl. No.	Name of District	Yearwise No. of Dugwells commissioned during					No. of wells not in use	Categorywise No. of Dugwells in use			
		Before 82-83	82-83	83-84	84-85	85-86	86-87	Pucca	Kutcha	Dug-cum Br. well	Total (10+11+12)
1	2	3	4	5	6	7	8	9	10	11	12	13
1.	Adilabad	16,291	2,579	2,549	2,408	1,377	359	3,782	11,267	10,296	218	21,781
2.	Anantapur	49,029	3,826	3,033	2,561	1,636	1,180	14,223	17,173	12,507	17,362	47,042
3.	Chittoor	1,13,230	2,634	2,072	2,134	1,724	718	14,652	48,895	45,833	13,132	1,07,860
4.	Cuddapah	38,947	2,464	1,337	717	497	260	8,850	20,041	8,040	7,291	35,372
5.	East Godavari	11,818	44	57	55	39	20	348	1,383	9,369	933	11,685
6.	Guntur	4,071	131	211	301	238	106	1,165	1,509	1,865	519	3,893
7.	Hyderabad	321	0	0	0	0	0	77	125	115	4	244
8.	Karimnagar	1,35,439	10,964	8,437	7,794	4,793	2,117	11,538	14,515	1,41,301	2,190	1,58,006
9.	Khammam	17,361	2,142	1,888	1,729	778	301	2,683	3,020	18,064	432	21,516
10.	Krishna	12,837	337	232	168	82	59	2,020	3,884	3,929	3,882	11,695
11.	Kurnool	17,090	1,872	1,971	1,881	1,242	476	2,536	11,396	9,454	1,146	21,996
12.	Mahabubnagar	88,392	6,136	4,280	3,474	1,851	933	22,979	7,548	66,588	7,951	82,087
13.	Medak	64,451	4,609	3,583	3,124	1,971	803	8,230	10,168	51,338	8,805	70,311
14.	Nalgonda	86,123	5,523	4,111	3,471	2,001	1,122	17,880	16,911	49,008	18,552	84,471
15.	Nellore	20,666	1,156	969	831	684	157	2,322	8,482	11,622	2,037	22,141
16.	Nizamabad	39,357	4,102	3,130	2,452	1,684	1,022	2,525	6,536	32,924	9,762	49,222
17.	Prakasam	22,690	1,056	986	1,039	451	160	2,253	10,075	11,939	2,115	24,129
18.	Ranga Reddy	29,770	1,565	1,464	1,402	939	532	4,783	12,189	16,053	2,647	30,889
19.	Srikakulam	23,263	2,460	2,233	2,412	1,782	696	725	22,101	10,001	19	32,121
20.	Visakhapatanam	19,555	656	456	560	607	298	1,109	15,558	5,176	289	21,023
21.	Vizianagaram	27,360	1,918	1,408	1,123	1,118	580	1,839	22,568	9,021	79	31,668
22.	Warangal	1,12,241	11,577	8,238	6,407	3,254	2,209	3,407	21,201	1,17,445	1,873	1,40,519
23.	West Godavari	12,964	955	791	551	364	123	804	1,914	774	12,256	14,944
	STATE TOTAL	9,63,266	68,706	53,436	46,594	29,112	14,231	1,30,730	2,88,459	6,42,662	1,13,494	10,44,615

Sl. No.	Name of District	No. of Dugwells with farmers holding size				No. of wells accd. to category of owners			
		0—1	1—2	Others	Total (14+15+16)	Sch. Caste	Sch. Tribe	Others	Total (18+19+20)
1	2	14	15	16	17	18	19	20	21
1.	Adilabad	10,595	7,865	7,101	25,561	5,278	5,085	15,198	25,561
2.	Anantapur	13,956	22,091	26,702	62,749	3,929	1,347	57,473	62,749
3.	Chittoar	51,330	44,995	25,545	1,21,870	7,949	1,092	1,12,829	1,21,870
4.	Cuddapah	11,845	19,186	13,191	44,222	2,564	435	41,223	44,222
5.	East Godavari	1,776	2,705	7,527	12,008	377	5	11,626	12,008
6.	Guntur	1,854	1,868	1,336	5,058	705	134	4,219	5,058
7.	Hyderabad	60	103	152	315	25	4	286	315
8.	Karimnagar	66,457	57,234	45,071	1,68,762	20,115	4,122	1,44,525	1,68,762
9.	Khammam	7,364	9,209	7,626	24,199	2,159	6,177	15,863	24,199
10.	Krishna	3,451	4,258	5,886	13,595	1,115	491	11,989	13,595
11.	Kurnool	3,014	7,723	13,897	24,634	3,038	386	21,210	24,634
12.	Mahabubnagar	30,361	41,413	53,491	1,25,265	14,565	8,764	1,01,936	1,25,265
13.	Medak	31,747	27,010	21,124	79,881	8,838	2,671	68,372	79,881
14.	Nalgonda	26,883	38,650	46,861	1,12,394	13,497	8,634	90,263	1,12,394
15.	Nellore	16,522	16,141	11,584	44,247	8,486	1,493	34,268	44,247
16.	Nizamabad	25,654	21,123	9,464	56,241	7,839	3,500	44,902	56,241
17.	Prakasam	5,831	13,109	19,723	38,663	3,047	431	35,185	38,663
18.	Ranga Reddy	8,061	10,954	18,475	37,490	3,811	1,811	31,868	37,490
19.	Srikakulam	21,085	9,726	3,504	34,315	4,027	1,333	28,955	34,315
20.	Visakhapatanam	13,141	11,012	3,107	27,260	873	227	26,160	27,260
21.	Vizianagaram	17,652	16,626	5,351	39,629	2,814	676	36,139	39,629
22.	Warangal	56,924	53,359	33,720	1,44,003	14,761	25,401	1,03,841	1,44,003
23.	West Godavari	2,244	4,689	10,216	17,149	2,097	407	14,645	17,149
	STATE TOTAL	4,27,807	4,41,049	3,90,654	12,59,510	1,31,909	74,626	10,52,975	12,59,510

MINOR IRRIGATION CENSUS IN ANDHRA PRADESH FOR 1986-87

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF ANDHRA PRADESH (DUGWELLS—*contd.*)

STATE : ANDHRA PRADESH

Sl. No.	Name of District	Number of Dugwells with Lifting devices					Culturable Command Area (in Ha.)	Gross irri. pot created (in Ha.)
		Electric Pump	Diesel Pump	Man/Animal Power	Others	Total (22 to 25)		
1	2	22	23	24	25	26	27	28
1.	Adilabad	8,496	3,600	7,996	2,235	22,327	24,113	18,583
2.	Anantapur	40,231	5,684	657	542	47,114	89,336	83,827
3.	Chittoor	78,271	15,817	11,819	1,923	1,07,860	1,13,322	1,27,301
4.	Cuddapah	23,504	7,201	3,656	1,011	35,372	69,092	71,429
5.	East Godavari	1,259	812	405	9,316	11,792	5,907	6,054
6.	Guntur	972	1,660	34	1,227	3,893	5,381	5,647
7.	Hyderabad	234	10	..	..	244	376	494
8.	Karimnagar	1,04,848	28,224	23,415	1,519	1,58,006	1,57,829	1,99,895
9.	Khamman	9,309	7,861	4,034	312	21,516	26,077	25,366
10.	Krishna	6,817	3,555	955	368	11,695	22,221	22,693
11.	Kurnool	13,933	7,964	62	268	22,227	40,762	50,910
12.	Mahabubnagar	38,811	36,189	6,119	968	82,087	1,23,517	1,49,513
13.	Medak	56,473	7,788	4,588	1,570	70,419	83,530	91,149
14.	Nalgonda	69,516	7,856	6,097	1,002	84,471	1,18,671	1,15,866
15.	Nellore	12,018	9,737	168	227	22,150	38,944	41,588
16.	Nizamabad	46,691	1,381	774	478	49,324	60,584	77,317
17.	Prakasam	11,747	11,431	502	449	24,129	50,585	53,575
18.	Ranga Reddy	24,684	3,445	2,282	478	30,889	47,128	41,053
19.	Srikakulam	2,018	2,703	6,319	21,076	32,121	17,375	20,879
20.	Visakhapatanam	2,955	4,005	12,021	2,042	21,023	21,058	22,589
21.	Vizianagaram	1,734	1,987	12,953	14,994	31,668	19,999	21,505
22.	Warangal	75,185	28,353	34,777	2,204	1,40,519	1,58,317	1,83,157
23.	West Godavari	1,262	2,132	459	91	14,944	45,287	50,244
	STATE TOTAL	6,41,968	1,99,400	1,40,122	64,300	10,45,790	13,39,411	14,80,634

Sl. No.	Name of District	Seasonwise area irrigated by Dugwells (in ha.)					Seasonwise area irrigated by other sources (in ha.)				
		Kharif	Rabi	Perennial	Others	Total (29 to 32)	Kharif	Rabi	Perennial	Others	Total (34 to 37)
1	2	29	30	31	32	33	34	35	36	37	38
1.	Adilabad	12,181	6,053	112	1	18,347	..	..	..	..	..
2.	Anantapur	41,621	22,094	9,716	294	73,725	..	..	..	..	..
3.	Chittoor	51,754	38,232	3,015	9,618	1,02,619	..	..	..	..	..
4.	Cuddapah	38,308	14,689	3,276	827	57,100	..	..	..	..	..
5.	East Godavari	3,470	1,322	194	447	5,433	..	..	..	..	..
6.	Guntur	3,180	847	470	5	4,502	..	..	..	..	..
7.	Hyderabad	246	89	65	..	400	..	..	..	..	..
8.	Karimnagar	1,03,833	81,135	1,853	2,417	1,89,238	..	..	..	..	..
9.	Khammam	12,605	11,176	438	2	24,221	..	..	..	..	..
10.	Krishna	9,803	6,341	1,539	1,102	18,785	..	..	..	..	..
11.	Kurnool	26,787	15,458	975	25	43,245	..	..	..	..	..
12.	Mahabubnagar	50,895	28,635	743	294	80,567	..	..	..	..	..
13.	Medak	44,016	25,406	660	8,100	78,182	..	..	..	..	..
14.	Nalgonda	59,338	43,523	1,846	597	1,05,304	..	..	..	..	..
15.	Nellore	9,312	21,862	7,044	48	38,266	..	..	..	..	..
16.	Nizamabad	44,352	19,353	5,988	3,167	72,860	..	..	..	..	..
17.	Prakasam	25,840	19,433	1,749	59	47,081	..	..	..	..	..
18.	Ranga Reddy	20,562	12,523	1,357	372	34,814	..	..	..	..	..
19.	Srikakulam	9,643	10,589	100	176	20,508	..	..	..	..	..
20.	Visakhapatanam	10,440	7,906	902	3,017	22,265	..	..	..	..	..
21.	Vizianagaram	1,634	17,629	62	1,344	20,669	..	..	..	..	..
22.	Warangal	98,762	70,117	373	12	1,69,264	..	..	..	..	..
23.	West Godavari	18,906	22,318	4,742	1,791	47,757	..	..	..	..	..
	STATE TOTAL	6,97,488	4,96,730	47,219	33,715	12,75,152	..	..	..	..	..

MINOR IRRIGATION CENSUS IN ASSAM FOR 1986-87

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF ASSAM (DUGWELLS)

STATE : ASSAM

Sl. No.	Name of District	Yearwise No. of Dugwells Commissioned during						No. of Wells not in use	Categorywise No. of Dugwells in use				No. of Dugwells with Farmers holding size				No. of Wells Accd. to Category of owners			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Pucca	Kutcha	Dug-cum Br. Well	Total (10+11+12)	0—1	1—2	Others	Total (14+15+16)	Sch. Caste	Sch. Tribe	Others	Total (18+19+20)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1.	Barpetta	1	..	..	..	..	..	..	1	..	..	1	1	..	..	1	..	..	1	1
2.	Cachar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Debrugarh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4.	Dhubri	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5.	Goalpara	86	861	51	233	77	78	..	406	980	..	1,386	742	519	125	1,386	40	159	1,187	1,386
6.	Golaghat	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7.	Kamrup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8.	Karbi Anglong	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9.	Karimganj	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10.	Kokrajhar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11.	Lakhimpur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
12.	N.C. Hills	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
13.	Nagaon	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14.	Nalbari	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
15.	Sibasagar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16.	Sonipur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	STATE TOTAL	87	861	51	233	77	78	..	407	980	..	1,387	743	519	125	1,387	40	159	1,188	1,387

MINOR IRRIGATION CENSUS IN ASSAM FOR 1986-87

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF ASSAM (DUGWELLS—*contd.*)

STATE : ASSAM

Sl. No.	Name of District	Number of Dugwells with Lifting devices					Cultu-rable Command Area (in ha.)	Gross Irr. Pot Created (in ha.)	Seasonwise Area irrigated by Dugwells (In ha.)					Seasonwise Area Irrigated by other Sources (in ha.)				
		Electric Pump	Diesel Pump	Man/ Animal Power	Others	Total (22 to 25)			Kharif	Rabi	Perennial	Others	Total (29 to 32)	Kharif	Rabi	Perennial	Others	Total (34 to 37)
1	2	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
1.	Barpetta	..	..	1	..	1	1	2	1	1	..	..	2	..	..	..	..	..
2.	Cachar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Debrugarh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4.	Dhubri	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5.	Goalpara	..	..	873	513	1,386	482	484	29	23	4	257	313	..	..	..	..	..
6.	Goalaghat	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7.	Kamrup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8.	Karbi Anglong	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9.	Karmganj	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10.	Kakrajhar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11.	Lakhimpur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
12.	N.C. Hills	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
13.	Nagaon	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14.	Nalbar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
15.	Sibasagar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16.	Sonitpur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	STATE TOTAL	..	..	874	513	1,387	483	486	30	24	4	257	315	..	..	..	..	..

MINOR IRRIGATION CENSUS IN BIHAR FOR 1986-87

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF BIHAR (DUGWELLS)

STATE : BIHAR

Sl. No.	Name of District	Yearwise No. of Dugwells commissioned during						No. of Wells not in use	Category wise No. of Dugwells in use			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Pucca	Kutcha	Dug-cum-Br. well	Total (10+11+12)
1	2	3	4	5	6	7	8	9	10	11	12	13
1.	Bhojpur	6,229	204	116	136	131	135	876	5,044	141	1,766	6,951
2.	Araria	..	..	..	..	..	..	..	..	..	..	..
3.	Aurangabad	6,909	767	452	491	570	651	213	7,850	302	1,688	9,840
4.	Begusarai	90	3	1	1	..	..	..	95	..	..	95
5.	Bhagalpur	4,525	1,039	829	932	764	977	319	7,048	900	1,118	9,066
6.	Darbhanga	5	..	..	..	4	2	5	11	..	..	11
7.	Deoghar	3,221	315	214	212	225	329	..	4,255	261	..	4,516
8.	Dhanbad	1,814	215	194	182	171	456	65	2,980	46	6	3,032
9.	Dumka	5,226	764	468	583	578	1,253	391	6,469	2,395	8	8,872
10.	East Champaran	114	10	1	..	..	..	25	115	10	..	125
11.	East Singhbhum	857	153	89	124	147	259	239	1,608	21	..	1,629
12.	Gaya	12,107	1,441	857	1,067	1,027	2,530	230	14,621	591	3,817	19,029
13.	Giridih	9,926	2,869	1,724	1,073	1,986	2,855	151	19,369	2,045	19	21,433
14.	Gonda	3,546	982	354	413	303	444	345	5,578	388	76	6,042
15.	Gopalganj	2,603	86	32	26	27	36	3,048	2,668	58	84	2,810
16.	Gumla	10,995	2,154	1,527	1,561	1,852	2,783	494	16,717	4,155	..	20,872
17.	Hazaribagh	21,726	5,144	3,782	4,392	4,089	5,923	193	37,688	7,145	223	45,056
18.	Jahanabad	5,875	937	474	346	308	167	266	4,593	98	3,416	8,107
19.	Katihar	..	..	..	..	..	..	..	..	..	..	..
20.	Khagaria	7	..	..	..	..	..	..	7	..	..	7
21.	Kishanganj	..	..	..	..	..	..	..	..	..	..	..
22.	Lohardaga	3,333	815	728	973	869	947	17	6,961	704	..	7,665
23.	Madhepura	3	..	..	..	..	..	5	3	..	..	3
24.	Madhubani	12	6	..	..	..	..	..	18	..	..	18
25.	Munger	6,804	1,300	533	587	696	712	74	9,770	490	372	10,632
26.	Muzaffarpur	486	123	35	20	4	2	2,633	620	50	..	670
27.	Nalanda	12,905	2,161	1,246	1,262	975	636	369	5,078	555	13,552	19,185
28.	Nawadah	3,228	573	357	423	383	453	203	4,538	282	597	5,417
29.	Palmau	16,058	2,126	1,636	1,734	1,691	3,082	1,326	24,753	1,500	74	26,327
30.	Patna	10,020	510	336	301	274	289	657	6,573	142	5,015	11,730
31.	Purnea	..	..	..	..	..	..	..	..	..	..	..
32.	Ranchi	11,837	2,898	2,181	2,565	2,853	4,006	502	17,896	8,444	..	26,340
33.	Rohtas	17,193	628	551	663	594	501	1,523	14,125	248	5,757	20,130
34.	Saharsa	..	..	..	..	..	..	..	..	..	..	..
35.	Sahebganj	418	136	98	124	238	257	133	1,164	86	21	1,271
36.	Samistipur	146	..	..	..	..	..	7	138	5	3	146
37.	Sarah	7,267	242	125	125	100	17	1,009	7,398	336	142	7,876
38.	Sitamarhi	87	..	..	..	..	..	24	81	6	..	87
39.	Siwan	7,144	344	116	119	45	131	3,007	7,338	363	200	7,901
40.	Vaishali	1,671	298	149	152	61	40	331	1,074	184	1,113	2,371
41.	West Champaran	67	..	..	..	..	..	5	56	3	8	67
42.	West Sighbhum	1,155	292	198	517	413	354	681	2,876	53	..	2,929
	STATE TOTAL	**1,95,609**	**29,535**	**19,403**	**21,104**	**21,378**	**30,227**	**19,366**	**2,47,176**	**32,007**	**39,075**	**3,18,258**

MINOR IRRIGATION CENSUS IN BIHAR FOR 1986-87

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF BIHAR (DUGWELLS—*contd.*)

STATE : BIHAR

Sl. No.	Name of District	No. of Dugwells with Farmers holding size				No. of Wells accd. to Category of Owners			
		0—1 (Ha)	1—2 (Ha)	Others	Total (14+15+16)	Sch. Caste	Sch. Tribe	Others	Total (18+19+20)
1	2	14	15	16	17	18	19	20	21
1.	Bhojpur	877	2,740	3,334	6,951	140	2	6,809	6,951
2.	Araria	..	..	..	..	..	..	..	..
3.	Aurangabad	1,449	2,876	5,515	9,840	1,260	5	8,575	9,840
4.	Begusarai	46	32	17	95	1	..	94	95
5.	Bhagalpur	3,319	2,772	2,975	9,066	826	622	7,618	9,066
6.	Darbhanga	..	10	1	11	..	..	11	11
7.	Deoghar	1,249	1,808	1,459	4,516	447	574	3,495	4,516
8.	Dhanbad	985	1,127	920	3,032	460	566	2,006	3,032
9.	Dumka	3,542	3,503	1,827	8,872	629	4,170	4,073	8,872
10.	East Champaran	77	24	24	125	16	...	109	125
11.	East Singhbhum	189	810	630	1,629	76	728	825	1,629
12.	Gaya	4,142	5,846	9,041	19,029	3,527	252	15,250	19,029
13.	Giridih	9,872	6,550	5,011	21,433	2,571	2,065	16,697	21,333
14.	Gonda	2,075	2,359	1,608	6,042	517	2,062	3,463	6,042
15.	Gopalganj	820	1,197	793	2,810	206	..	2,604	2,810
16.	Gumla	6,127	7,969	6,776	20,872	1,060	15,842	3,970	20,872
17.	Hazaribagh	19,780	14,821	10,455	45,056	5,210	3,709	35,137	44,056
18.	Jahanabad	1,289	2,399	4,419	8,107	225	51	7,831	8,107
19.	Katihar	..	..	..	..	..	..	..	..
20.	Khagaria	2	1	4	7	..	..	7	7
21.	Kishanganj	..	..	..	..	..	..	..	..
22.	Lohardaga	2,571	3,290	1,804	7,665	332	4,574	2,759	7,665
23.	Madhepura	..	3	..	3	..	..	3	3
24.	Madhubani	2	2	14	18	4	..	14	18
25.	Munger	3,889	3,924	2,819	10,632	1,175	635	8,822	10,632
26.	Muzaffarpur	130	175	365	670	32	..	638	670
27.	Nalanda	4,863	6,881	7,441	19,185	581	..	18,604	19,185
28.	Nawadah	1,377	1,902	2,138	5,417	738	692	3,987	5,417
29.	Palmau	6,346	8,568	11,413	26,327	4,826	6,138	15,363	26,327
30.	Patna	2,841	3,848	5,041	11,730	396	2	11,332	11,730
31.	Purnea	..	..	..	..	..	..	..	..
32.	Ranchi	9,777	10,294	6,269	26,340	957	17,116	8,267	26,340
33.	Rohtas	3,343	5,359	11,428	20,130	1,142	129	18,859	20,130
34.	Saharsa	..	..	..	..	..	..	..	..
35.	Sahebganj	493	454	324	1,271	205	813	253	1,271
36.	Samastipur	72	24	50	146	9	..	137	146
37.	Sarah	3,696	2,717	1,463	7,876	273	4	7,599	7,876
38.	Sitamarhi	28	14	45	87	..	..	87	87
39.	Siwan	2,548	2,889	2,464	7,901	326	..	7,525	7,851
40.	Vaishali	1,150	729	492	2,371	133	..	2,238	2,371
41.	West Champaran	16	9	42	67	4	8	55	67
42.	West Singhbhum	910	1,021	998	2,929	225	1,941	763	2,929
	STATE TOTAL	**99,892**	**1,08,947**	**1,09,419**	**3,18,258**	**28,529**	**62,700**	**2,25,879**	**3,17,108**

MINOR IRRIGATION CENSUS IN BIHAR FOR 1986-87

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF BIHAR (DUGWELLS)

STATE : BIHAR

Sl. No.	Name of District	Number of Dugwells with Lifting Devices					Culturable Command Area (In Ha.)	Gross Irri. Pot. Created (In Ha.)
		Electric Pump	Diesel Pump	Man/Animal Power	Others	Total (22 to 25)		
1	2	22	23	24	25	26	27	28
1.	Bhojpur	445	5,071	1,435	..	6,951	14,812	24,468
2.	Araria	..	..	..	..	..	..	..
3.	Aurangabad	1,754	2,100	5,986	..	9,840	18,797	19,134
4.	Begusarai	..	1	94	..	95	103	103
5.	Bhagalpur	960	4,135	3,971	..	9,066	13,327	16,058
6.	Darbhanga	..	..	11	..	11	42	25
7.	Deoghar	33	2,980	1,503	..	4,516	7,084	7,521
8.	Dhanbad	20	396	2,6161	..	3,032	3,502	2,803
9.	Dumka	79	1,024	7,769	..	8,872	7,794	7,094
10.	East Champaran	..	1	124	..	125	90	78
11.	East Singhbhum	31	321	1,277	..	1,629	1,785	2,119
12.	Gaya	3,589	7,820	7,620	..	19,029	36,362	44,718
13.	Giridih	87	5,183	16,163	..	21,433	24,323	23,527
14.	Gonda	45	768	6,229	..	7,042	5,809	6,660
15.	Gopalganj	..	184	2,626	..	2,810	2,766	5,403
16.	Gumla	2	1,491	19,379	..	20,872	15,494	12,937
17.	Hazaribagh	249	10,467	34,340	..	45,056	33,578	32,683
18.	Jahanabad	1,661	4,943	1,503	..	8,107	18,134	19,924
19.	Katihar	..	..	..	..	..	..	..
20.	Khagaria	..	3	4	..	7	8	5
21.	Kishanganj	..	..	..	..	..	..	..
22.	Lohardaga	28	1,873	5,764	..	7,665	5,300	5,346
23.	Madhepura	..	..	3	..	3	6	6
24.	Madhubani	..	7	11	..	18	13	9
25.	Munger	873	3,072	6,687	..	10,632	14,273	15,649
26.	Muzaffarpur	1	43	626	..	670	723	1,008
27.	Nalanda	4,718	13,621	846	..	19,185	48,720	58,467
28.	Nawadah	525	9,546	3,346	..	13,417	10,056	10,915
29.	Palmau	1,838	3,867	20,622	..	26,327	31,735	31,475
30.	Patna	1,785	8,119	1,826	..	11,730	22,214	27,409
31.	Purnea	..	..	..	..	..	..	..
32.	Ranchi	98	7,952	18,299	..	26,340	23,814	18,974
33.	Rohtas	6,134	9,896	4,180	..	20,210	54,741	62,046
34.	Saharsa	..	..	..	..	..	..	..
35.	Sahebganj	4	384	883	..	1,271	1,202	1,077
36.	Samastipur	3	18	125	..	146	110	117
37.	Sarah	41	828	7,007	..	7,876	7,922	7,916
38.	Sitamarhi	..	2	85	..	87	62	69
39.	Siwan	2	372	7,527	..	7,901	8,727	17,746
40.	Vaishali	491	1,156	724	..	2,371	4,205	5,146
41.	West Champaran	..	10	57	..	67	49	27
42.	West Singhbhum	..	374	2,555	..	2,929	4,941	3,971
	STATE TOTAL	**25,496**	**1,08,028**	**1,93,814**	..	**3,27,338**	**4,42,613**	**4,92,633**

MINOR IRRIGATION CENSUS IN BIHAR FOR 1986-87

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF BIHAR (DUGWELLS)

STATE : BIHAR

Sl. No.	Name of District	Seasonwise area irrigated by Dugwells (in ha.)					Seasonable area Irrigated by other sources (in ha.)				
		Kharif	Rabi	Perennial	Others	Total (29 to 32)	Kharif	Rabi	Perennial	Others	Total (34 to 37)
1	2	29	30	31	32	33	34	35	36	37	38
1.	Bhojpur	9,920	7,475	516	481	18,392	3,169	2,087	110	79	5,445
2.	Araria	..	..	..	..	..	..	..	..	..	..
3.	Aurangabad	8,994	9,076	1,466	1,290	20,826	10,386	7,119	654	830	18,989
4.	Begusarai	4	96	1	2	103	..	..	..	..	..
5.	Bhagalpur	7,613	7,476	796	533	16,418	6,079	1,838	87	132	8,136
6.	Darbhanga	8	14	..	3	25	70	300	..	60	430
7.	Deoghar	3,918	2,790	156	341	7,205	391	286	18	17	712
8.	Dhanbad	1,589	791	145	147	2,672	171	86	7	8	272
9.	Dumka	3,879	2,572	579	406	7,436	765	317	18	24	1,124
10.	East Champaran	115	93	14	9	231	75	68	69	39	251
11.	East Singhbhum	1,129	665	91	100	1,985	119	69	28	18	234
12.	Gaya	19,415	18,647	1,205	1,610	40,877	4,252	2,885	200	352	7,689
13.	Giridih	8,933	8,293	1,101	1,176	19,503	1,493	761	100	114	2,468
14.	Gonda	2,967	2,603	301	323	6,194	1,820	783	19	13	2,635
15	Gopalganj	514	2,585	..	..	3,099	112	159	..	..	271
16.	Gumla	2,694	5,363	884	685	9,626	211	321	6	5	543
17.	Hazaribagh	9,537	16,504	2,165	1,552	29,758	1,474	572	93	117	2,256
18.	Jahanabad	9,913	7,783	1,049	809	19,554	6,102	2,822	478	494	9,896
19.	Katihar	..	..	..	..	..	..	..	..	..	..
20.	Khagaria	2	2	2	..	6	..	..	..	..	..
21.	Kishanganj	..	..	..	..	..	..	..	..	..	..
22.	Lohardaga	1,068	1,886	167	72	3,193	9	195	..	..	204
23.	Madhepura	2	2	..	..	4	..	..	..	..	..
24.	Madhubani	3	2	2	2	9	..	1	..	1	2
25.	Munger	6,507	..	755	482	7,744	9,268	1,929	204	202	11,603
26.	Muzaffarpur	164	465	110	129	868	32	16	1	2	51
27.	Nalanda	31,852	24,977	2,183	1,765	60,777	2,231	1,119	66	33	3,449
28.	Nawadah	4,672	4,414	682	407	10,175	371	256	55	58	740
29	Palamu	11,382	19,191	3,087	1,183	34,843	1,198	901	128	122	2,349
30.	Patna	14,759	9,776	1,486	1,078	27,099	1,913	1,087	520	120	3,640
31.	Purnea	..	..	..	..	..	..	..	..	..	..
32.	Ranchi	5,926	7,644	817	788	15,175	422	330	149	81	982
33	Rohtas	29,961	25,369	1,960	1,295	58,585	11,622	7,811	617	371	20,421
34.	Saharsa	..	..	..	..	..	..	..	..	..	..
35.	Sahebganj	456	530	73	33	1,092	154	61	2	12	229
36.	Samastipur	14	74	22	15	125	13	89	20	21	143
37.	Sarah	1,719	4,862	505	374	7,460	433	2,064	90	58	2,645
38	Sitamarhi	28	27	2	6	63	..	1	..	..	1
39.	Siwan	726	4,424	..	..	5,150	624	5,100	..	..	5,724
40.	Vaishali	1,082	1,753	871	947	4,653	33	65	5	26	129
41.	West Champaran	19	5	..	1	25	13	3	16	..	32
42.	West Singhbhum	2,115	1,077	150	121	3,463	412	63	22	31	528
	STATE TOTAL	2,03,599	1,99,306	23,343	18,165	4,44,413	65,437	41,564	3,782	3,440	1,14,223

MINOR IRRIGATION CENSUS IN GOA FOR 1986-87
SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF GOA (DUGWELLS)

STATE : GOA

Sl. No.	Name of District	Yearwise No. of Dugwells commissioned during						No. of Wells not in use	Categorywise No. of Dugwells in use				No. of Dugwells with Farmers holding size				No. of Wells Accd. to Category of Owners			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Pucca	Kutcha	Dug-cum-Br. Well	Total (10+11+12)	0—1	1—2	Others	Total (14+15+16)	Sch. Caste	Sch. Tribe	Others	Total (18+19+20)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1.	North Goa	2,817	749	166	159	147	92	260	1,592	2,277	1	3,870	3,443	450	237	4,130	12	..	4,118	4,130
2.	South Goa	715	75	61	72	71	80	78	612	380	4	996	584	315	175	1,074	..	..	1,074	1,074
	STATE TOTAL	**3,532**	**824**	**227**	**231**	**218**	**172**	**338**	**2,204**	**2,657**	**5**	**4,866**	**4,027**	**765**	**412**	**5,204**	**12**	**..**	**5,192**	**5,204**

Sl. No.	Name of District	Number of Dugwells with Lifting Devices					Cultu-rable Comman Area (in ha)	Gross Irri. P.t. Created (in ha.)	Seasonwise Area irrigated by Dugwells (in ha.)					Seasonwise Area irrigated by other Sources (in ha.)				
		Electric Pump	Diesel Pump	Man Animal Power	Ohers	Total (22 to 25)			Kharif	Rabi	Perennial	Others	Total (29 to 32)	Kharif	Rabi	Perennial	Others	Total (34 to 37)
1	2	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
1.	North Goa	992	103	2,500	275	3,870	2,271	2,543	10	356	648	203	1,217	..	6	19	7	32
2.	South Goa	624	82	283	7	996	914	950	1	81	444	202	728	..	..	11	..	11
	STATE TOTAL	**1,616**	**185**	**2,783**	**282**	**4,866**	**3,185**	**3,493**	**11**	**437**	**1,092**	**405**	**1,945**	**..**	**6**	**30**	**7**	**43**

MINOR IRRIGATION CENSUS IN GUJARAT FOR 1986-87

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF GUJARAT (DUGWELLS)

STATE : GUJARAT

Sl. No.	Name of District	Yearwise No. of Dugwells commissioned during						No. of Wells not in use	Categorywise No. of Dugwells in use			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Pucca	Kutcha	Dug-cum Br. Well	Total (10+11+12)
1	2	3	4	5	6	7	8	9	10	11	12	13
1.	Ahmedabad	21,546	1,073	479	356	394	497	14,709	8,031	498	1,107	9,636
2.	Amreli	49,274	1,668	1,070	888	912	1,028	35,498	11,689	7,597	56	19,342
3.	Banskantha	46,123	4,044	2,782	2,714	3,224	3,442	9,934	43,381	4,477	4,537	52,395
4.	Baruch	6,265	278	100	105	154	390	2,902	2,862	154	1,374	4,390
5.	Bhavnagar	67,578	3,826	1,613	1,561	1,719	1,902	65,635	6,013	6,550	1	12,564
6.	Dang	49	2	5	2	5	14	8	59	9	1	69
7.	Gandhinagar	2,304	37	18	15	3	16	1,403	930	3	57	990
8.	Jamnagar	56,266	1,170	1,259	1,388	1,138	980	53,551	4,176	4,474	..	8,650
9	Junagadh	96,924	2,898	1,742	1,745	1,949	2,375	47,705	52,206	7,530	192	59,928
10.	Kheda	20,077	978	510	585	619	1,116	3,505	14,915	1,020	4,445	20,380
11.	Kuchchh	28,362	771	804	506	539	1,441	9,912	16,742	795	4,974	22,511
12.	Mehsana	47,137	1,022	422	307	421	301	35,071	12,538	784	1,217	14,539
13.	Panchmahal	48,042	6,278	2,661	2,773	3,115	2,945	53,692	7,955	4,139	28	12,122
14.	Rajkot	74,675	1,792	2,353	2,500	2,473	2,265	59,383	16,243	9,992	440	26,675
15.	Sabarkantha	69,604	2,077	1,839	2,161	2,029	1,853	40,463	33,671	3,782	1,647	39,100
16.	Surat	13,213	1,900	1,088	1,222	1,701	1,836	4,551	9,996	736	5,677	16,409
17.	Surendranagar	41,057	376	591	827	823	613	15,828	12,460	14,001	1,998	28,459
18.	Vadodara	14,521	646	699	747	986	1,345	7,560	9,784	879	721	11,384
19.	Valsad	12,771	1,968	607	676	856	1,332	2,613	13,854	404	1,339	15,597
	STATE TOTAL	**7,15,788**	**32,804**	**20,642**	**21,078**	**23,060**	**25,691**	**4,63,923**	**2,77,505**	**67,824**	**29,811**	**3,75,140**

Sl. No.	Name of District	No. of Dugwells with Farmers holding size				No. of Wells Accd. to Category of Owners			
		0—1	1—2	Others	Total (14+15+16)	Sch. Caste	Sch. Tribe	Others	Total (18+19+20)
1	2	14	15	16	17	18	19	20	21
1.	Ahmedabad	1,789	3,080	19,476	24,345	871	504	22,970	24,345
2.	Amreli	4,362	9,430	41,048	54,840	1,489	1	53,350	54,840
3.	Banaskantha	4,358	9,450	48,521	62,329	2,195	3,884	56,250	62,329
4.	Baruch	765	1,098	5,429	7,292	76	2,536	4,680	7,292
5.	Bhavnagar	9,448	16,336	52,415	78,199	657	..	77,542	78,199
6.	Dang	1	12	64	77	..	66	11	77
7.	Ghandinagar	451	491	1,541	2,393	11	..	2,382	2,393
8.	Jamnagar	4,200	9,715	48,286	62,201	1,405	44	60,752	62,201
9.	Junagadh	9,685	22,456	75,492	1,07,633	2,069	61	1,05,503	1,07,633
10.	Kheda	4,194	5,807	13,884	23,885	425	77	23,383	23,885
11.	Kuchchh	2,656	5,268	24,499	32,423	1,113	754	30,556	32,423
12.	Mehsana	7,398	12,163	30,049	49,610	595	124	48,891	49,610
13.	Panchmahal	10,942	16,713	38,159	65,814	1,048	25,071	39,695	65,814
14.	Rajkot	6,137	13,669	66,252	86,058	2,158	12	83,888	86,058
15.	Sabarkantha	15,844	22,577	41,142	79,563	3,750	13,477	62,336	79,563
16.	Surat	3,949	5,468	11,543	20,960	418	4,893	15,649	20,960
17.	Surendarnagar	1,523	4,291	38,473	44,287	1,542	18	42,727	44,287
18.	Vadodara	2,745	3,843	12,356	18,944	127	5,092	13,725	18,944
19.	Valsad	4,023	4,396	9,791	18,210	293	6,327	11,590	18,210
	STATE TOTAL	**94,470**	**1,66,173**	**5,78,420**	**8,39,063**	**20,242**	**62,941**	**7,55,880**	**8,39,063**

MINOR IRRIGATION CENSUS IN GUJARAT FOR 1986-87

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF GUJARAT (DUGWELLS)—*Contd.*

STATE : GUJARAT

Sl. No.	Name of District	Number of Dugwells with Lifting Devices					Culturable Command Area (In Ha.)	Gross Irri. Pot. Created (In Ha.)
		Electric Pump	Diesel Pump	Man/Animal Power	Others	Total (22 to 25)		
1	2	22	23	24	25	26	27	28
1.	Ahmedabad	4,843	4,601	94	98	9,636	75,682	81,893
2.	Amreli	4,687	14,267	229	159	19,342	1,45,267	1,48,896
3.	Banaskantha	20,639	27,996	2,227	1,533	52,395	2,39,689	2,85,302
4.	Baruch	3,197	1,038	116	39	4,390	28,850	33,158
5.	Bhavnagar	2,777	8,610	358	819	12,564	1,88,137	2,00,154
6.	Dang	2	56	..	11	69	455	465
7.	Gandhinagar	979	4	..	7	990	9,861	12,512
8.	Jamnagar	2,655	5,961	30	4	8,650	1,60,989	3,74,935
9.	Junagarh	22,222	36,914	204	588	59,928	3,00,314	4,23,389
10.	Kheda	11,967	7,333	117	963	20,380	1,39,204	1,49,963
11.	Kuchchh	14,393	6,683	788	647	22,511	88,764	1,97,325
12.	Mehsana	9,130	4,913	316	180	14,539	1,47,806	1,64,904
13.	Panchmahal	1,973	5,848	2,512	1,789	12,122	1,33,018	1,63,397
14.	Rajkot	6,553	19,947	42	133	26,675	2,34,518	2,92,157
15.	Sabarkantha	20 923	12,107	5,414	656	39,100	1,81,573	1,94,026
16.	Surat	11,427	4,310	152	520	16,409	46,576	47,300
17.	Surendranagar	7 940	18,142	1,081	1,296	28,459	1,02,733	1,18,271
18.	Vadodara	6,662	4,195	289	238	11,384	81,895	96,640
19.	Valsad	10,915	3,509	217	956	15,597	34,627	37,694
	STATE TOTAL	**1,63,884**	**1,86,434**	**14,186**	**10,636**	**3,75,140**	**23,39,958**	**30,22,381**

Sl. No.	Name of District	Seasonwise Area irrigated by Dugwells (In Ha.)					Seasonwise Area irrigated by other sources (In Ha.)				
		Kharif	Rabi	Perennial	Others	Total (29 to 32)	Kharif	Rabi	Perennial	Others	Total (34 to 37)
1	2	29	30	31	32	33	34	35	36	37	38
1.	Ahmedabad	9,283	12,092	913	2,465	24,753	274	259	7	79	619
2.	Amreli	8,446	12,715	3,194	1,191	25,546	452	103	..	..	555
3.	Banaskantha	33,610	1,37,080	1,680	19,262	1,91,632	162	260	..	13	435
4.	Baruch	3,689	4,924	1,749	1,020	11,382	417	231	37	35	720
5.	Bhavnagar	6,953	16,743	122	2,483	26,301	50	47	..	..	97
6.	Dang	41	44	7	4	96	..	..	..	..	..
7.	Gandhinagar	1,696	2,236	268	1,419	5,619	..	..	..	..	..
8.	Jamnagar	12,412	7,639	19	44	20,114	..	14	..	..	14
9.	Junagarh	82,704	42,768	4,203	4,827	1,34,502	..	21	..	..	21
10.	Kheda	39,432	52,831	3,574	39,051	1,34,888	2,426	3,045	740	2,274	8,485
11.	Kuchchh	46,332	17,534	881	10,650	75,397	583	223	..	247	1,053
12.	Mehsana	13,173	28,015	418	8,982	50,588	862	5,207	86	1,365	7,520
13.	Panchmahal	4,832	13,103	123	3,128	21,186	263	252	21	76	612
14.	Rajkot	24,874	8,867	384	363	34,488	128	1	..	..	129
15.	Sabarkantha	18,591	36,038	408	4,510	59,547	158	792	..	139	1,089
16.	Surat	12,614	3,816	20,178	770	37,378	212	6	187	..	405
17.	Surendranagar	34,497	10,663	394	1,838	47,392	47	54	..	56	157
18.	Vadodara	21,139	23,202	1,855	11,283	57,479	26	83	..	18	127
19.	Valsad	10,016	5,155	8,270	2,499	25,940	20	46	34	66	166
	STATE TOTAL	**3,84,334**	**4,35,465**	**48,640**	**1,15,789**	**9,84,228**	**6,080**	**10,644**	**1,112**	**4,368**	**22,204**

MINOR IRRIGATION CENSUS IN HARYANA FOR 1986-87

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF HARYANA (DUGWELLS)

STATE : HARYANA

Sl. No.	Name of District	Yearwise No. of Dugwells Commissioned during						No. of Wells not in use	Categorywise No. of Dugwells in use				No. of Dugwells with Farmers holding size				No. of Wells Accd. to Category of Owners			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Pucca	Kutcha	Dug-cum-Br. Well	Total (10+11+12)	0—1	1—2	Others	Total (14+15+16)	Sch. Caste	Sch. Tribe	Others	Total (18+19+20)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1.	Ambala	127	23	..	..	..	..	82	65	..	3	68	33	42	75	150	..	..	150	150
2.	Bhiwani	2,154	237	477	682	808	346	120	4,582	2	..	4,584	278	864	3,562	4,704	54	..	4,650	4,704
3.	Faridabad	..	..	..	..	..	..	..	..	..	373	1,452	1,904	1,989	2,344	6,237	103	..	6,134	6,237
4.	Gurgaon	3,222	532	590	658	615	620	4,785	1,079	..	..	..	..	..	..	..	..	..	..	..
5.	Hissar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6.	Jind	..	..	..	..	..	..	..	..	..	..	..	131	541	3,907	4,579	143	..	4,436	4,579
7.	Karnal	4,579	..	..	..	..	..	4,579	..	..	151	151	389	166	924	1,479	..	..	1,479	1,479
8.	Kurukshetra	1,479	..	..	..	..	..	1,328	..	..	..	..	3,701	5,509	13,023	22,233	1,190	..	21,043	22,233
9.	M/Garh	20,167	392	405	398	446	425	401	2,744	4,482	14,606	21,832	..	..	43	43	..	..	43	43
10.	Rohtak	..	..	..	..	..	..	..	43	..	..	43	..	..	..	..	..	..	..	..
11.	Sirsa	43	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
12.	Sonipat	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	STATE TOTAL	31,771	1,184	1,472	1,738	1,869	1,391	11,295	8,513	4,484	15,133	28,130	6,436	9,111	23,878	39,425	1,490	..	37,935	39,425

Sl. No.	Name of District	Number of Dugwells with Lifting Devices					Cultu-rable Command Area (in ha.)	Gross Created Irri. (in ha.)	Seasonwise Area irrigated by Dugwells (in ha.)				Seasonwise Area irrigated by other Sources (in ha.)					
		Electric Pump	Diesel Pump	Man/ Animal Power	Others	Total (22 to 25)			Kharif	Rabi	Perennial	Others	Total (29 to 32)	Kharif	Rabi	Perennial	Others	Total (34 to 37)
1	2	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
1.	Ambala	90	1	57	2	150	92	137	62	71	..	..	133	..	..	..	..	..
2.	Bhiwani	4,614	17	..	73	4,704	12,139	13,136	6,569	14,927	437	9	21,942	23,697	29,052	289	211	53,249
3.	Faridabad	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4.	Gurgaon	4,670	1,562	2	3	6,237	9,291	10,176	2,120	8,023	33	..	10,176	..	..	..	..	..
5.	Hissar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6.	Jind	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7.	Karnal	3,638	941	..	..	4,579	..	..	..	..	..	..	..	..	..	..	..	..
8.	Kurukshetra	1,275	204	..	..	1,479	404	377	275	300	44	13	632	..	..	..	..	..
9.	M/Garh	22,233	..	..	..	22,233	59,156	62,446	4,294	48,300	..	..	52,594	..	..	..	..	..
10.	Rohtak	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11.	Sirsa	2	41	..	..	43	143	152	75	70	..	..	145	289	312	..	..	601
12.	Sonipat	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	STATE TOTAL	36,522	2,766	59	78	39,425	81,225	86,424	13,395	71,691	514	22	85,622	23,986	29,364	289	211	53,850

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF HIMACHAL PRADESH (DUGWELLS)

STATE : HIMACHAL PRADESH

Sl. No.	Name of District	Yearwise No. of Dugwells Commissioned during						No. of Wells not in use	Categorywise No. of Dugwells in use				No. of Dugwells with Farmers holding size				No. of Wells Accd. to Category of Owners			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Pucca	Kutcha	Dug-cum Br. Well	Total (10+11+12)	0—1	1—2	Others	Total (14+15+16)	Sch. Caste	Sch. Tribe	Others	Total (18+19+20)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1.	Balaspur	161	2	12	10	4	1	9	175	6	..	181	29	70	91	190	8	..	182	190
2.	Chamba	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Hamirpur	148	3	13	7	4	7	..	112	70	..	182	68	48	66	182	6	2	174	182
4.	Kangra	20	..	..	..	..	..	..	..	20	..	20	20	..	..	20	..	..	20	20
5.	Kinnaur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6.	Kulu	4	..	..	1	..	..	1	4	..	..	4	1	2	2	5	..	..	5	5
7.	Lahul Spiti	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8.	Mandi	25	..	..	..	..	..	..	25	..	..	25	12	9	4	25	7	..	18	25
9.	Shimla	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10.	Sirmaur	190	1	1	2	1	4	62	137	..	..	137	9	40	150	199	12	4	183	199
11.	Solan	214	8	15	28	4	16	23	223	25	14	262	59	103	123	285	40	7	238	285
12.	Una	1,127	5	21	14	19	17	75	908	73	147	1,128	441	345	417	1,203	32	..	1,171	1,203
	STATE TOTAL	**1,889**	**19**	**62**	**62**	**32**	**45**	**170**	**1,584**	**194**	**161**	**1,939**	**639**	**617**	**853**	**2,109**	**105**	**13**	**1,991**	**2,109**

Sl. No.	Name of District	Number of Dugwells with Lifting devices					Cultu-rable Command Area (in ha.)	Gross Irri. Pot. Created (In ha.)	Seasonwise Area irrigated by Dugwells (in ha.)					Seasonwise Area irrigated by other Sources (in ha.)				
		Electric Pump	Diesel Pump	Man/ Animal Power	Others	Total (22 to 25)			Kharif	Rabi	Perennial	Others	Total (29 to 32)	Kharif	Rabi	Perennial	Others	Total (34 to 37)
1	2	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
1.	Bilaspur	118	63	5	4	190	147	253	55	94	..	2	151	..	4	..	..	4
2.	Chamba	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Hamirpur	93	18	64	7	182	55	94	39	40	..	..	79	..	..	..	..	..
4.	Kangra	14	4	2	..	20	85	161	75	75	10	..	160	..	..	..	..	..
5.	Kinnaur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6.	Kulu	1	..	4	..	5	9	14	5	5	3	..	13	..	..	..	..	..
7.	Lahul Spiti	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8.	Mandi	21	4	..	..	25	51	95	48	47	..	..	95	..	..	..	..	..
9.	Shimla	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10.	Sirmaur	175	17	..	7	199	842	1,465	543	589	55	7	1,194	99	98	13	..	210
11.	Solan	174	80	23	8	285	849	1,185	399	618	51	11	1,079	..	..	..	..	..
12.	Una	391	293	517	2	1,203	1,329	2,095	532	902	68	197	1,699	5	7	1	1	14
	STATE TOTAL	**987**	**479**	**615**	**28**	**2,109**	**3,367**	**5,362**	**1,696**	**2,370**	**187**	**217**	**4,470**	**104**	**109**	**14**	**1**	**228**

MINOR IRRIGATION CENSUS IN JAMMU & KASHMIR FOR 1986-87

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF JAMMU AND KASHMIR (DUGWELLS)

STATE : JAMMU & KASHMIR

Sl. No.	Name of District	Yearwise No. of Dugwells Commissioned during						No. of Wells not in use	Categorywise No. of Dugwells in use				No. of Dugwells with Farmers holding size				No. of Wells Accd. to Category of Owners			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Pucca	Kutcha	Dug-cum Br. Well	Total (10+11+12)	0—1	1—2	Others	Total (14+15+16)	Sch. Caste	Sch. Tribe	Others	Total (18+19+20)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1.	Anantnag	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2.	Baramulla	179	..	1	..	..	3	6	51	126	..	177	..	..	183	183	..	..	183	183
3.	Budgam	66	..	18	9	3	1	..	..	97	..	97	..	..	97	97	..	..	97	97
4.	Doda	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5.	Jammu	22	20	2	7	4	..	4	28	23	..	51	22	17	16	55	8	..	47	55
6.	Kargil	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7.	Kathua	166	5	18	27	21	8	..	192	28	25	245	73	47	125	245	37	..	208	245
8.	Kupwara	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9.	Leh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10.	Poonch	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11.	Pfilwama	19	48	..	..	..	1	..	..	68	..	68	..	..	68	68	..	..	68	68
12.	Rajouri	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
13.	Udhampur	1	..	..	..	..	..	..	1	..	..	1	..	..	1	1	..	..	1	1
14.	Srinagar	655	6	3	7	15	1	22	30	635	..	665	551	86	50	687	..	..	687	687
	STATE TOTAL	**1,108**	**79**	**42**	**50**	**43**	**14**	**32**	**302**	**977**	**25**	**1,304**	**646**	**150**	**540**	**1,336**	**45**	**..**	**1,291**	**1,336**

Sl. No.	Name of District	Number of Dugwells with Lifting Devices					Culturable Command Area (In ha.)	Gross Irri. Pot. Created (In ha.)	Seasonwise Area irrigated by Dugwells (In ha.)					Seasonwise Area irrigated by other sources (In ha.)				
		Electric Pump	Diesel Pump	Man/ Animal Power	Others	Total (22 to 25)			Kharif	Rabi	Perennial	Others	Total (29 to 32)	Kharif	Rabi	Perennial	Others	Total (34 to 37)
1	2	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
1.	Anantnag	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2.	Baramulla	..	9	170	4	183	121	71	61	3	..	..	64	..	..	..	..	..
3.	Budgam	..	..	97	..	97	13	13	13	..	..	..	13	..	..	..	..	..
4.	Doda	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5.	Jammu	22	23	6	4	55	112	115	104	94	..	..	198	..	..	..	..	..
6.	Kargil	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7.	Kathua	215	17	9	4	245	349	545	289	281	2	4	576	41	39	..	..	80
8.	Kupwara	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9.	Leh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10.	Poonch	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11.	Pulawama	..	..	68	..	68	53	33	7	26	..	..	33	54	206	..	..	260
12.	Rajouri	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
13.	Udhampur	..	..	1	..	1	10	10	5	5	..	..	10	..	..	..	..	..
14.	Srinagar	..	..	687	..	687	76	138	69	69	..	..	138	..	..	..	..	..
	STATE TOTAL	**237**	**49**	**1,038**	**12**	**1,336**	**714**	**925**	**548**	**478**	**2**	**4**	**1,032**	**95**	**245**	**..**	**..**	**340**

MINOR IRRIGATION CENSUS IN KARNATAKA FOR 1986-87

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF KARNATAKA (DUGWELLS)

STATE : KARNATAKA

Sl. No.	Name of District	Yearwise No. of Dugwells Commissioned during						No. of Wells Not in use	Categorywise No. of Dugwells in use			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Pucca	Kutcha	Dug-cum Br. Well	Total (10+11+12)
1	2	3	4	5	6	7	8	9	10	11	12	13
1.	Bangalore(R)	20,320	2,435	1,601	1,374	917	528	3,136	14,758	7,163	2,118	24,039
2.	Bangalore(U)	7,944	572	380	201	142	116	1,846	5,269	1,245	995	7,509
3.	Belgaum	51,313	2,991	2,458	2,225	1,531	901	7,174	6,587	47,077	582	54,246
4.	Bellary	6,975	331	495	683	726	523	884	2,089	2,236	4,524	8,849
5.	Bidar	12,837	795	685	743	675	591	1,240	4,953	10,059	74	15,086
6.	Bijapur	30,867	4,015	2,800	2,667	2,110	1,252	3,784	3,273	35,168	1,486	39,927
7.	Chickmagalur	1,897	132	162	210	259	126	156	831	1,570	229	2,630
8	Chitradurga	11,349	787	539	464	387	495	737	2,028	5,100	6,156	13,284
9.	D. Kannada	25,753	3,660	3,951	2,779	1,830	798	240	15,796	22,566	169	38,531
10.	Dharwad	7,989	466	449	436	490	362	2,486	1,817	3,721	2,168	7,706
11.	Gulbarga	18,251	1,323	1,086	1,124	812	463	5,942	3,938	12,866	313	17,117
12.	Hassan	2,336	282	238	302	321	196	254	1,995	1,236	190	3,421
13.	Kodagu	56	59	135	54	59	50	11	106	293	3	402
14.	Kolar	37,365	1,716	1,817	12,80	786	402	10,741	13,646	12,588	6,381	32,615
15.	Mandya	6,156	534	585	373	283	306	478	3,086	4,165	508	7,759
16.	Mysore	10,281	1,457	1,055	961	881	573	965	3,785	5,798	4,660	14,243
17.	Raichur	10,562	1,105	1,016	1,241	1,473	1,324	2,013	1,818	9,949	2,941	14,708
18.	Shimoga	2,627	280	380	352	415	355	404	1,436	1,780	789	4,005
19.	Tumkur	32,152	2,878	3,024	2,489	2,208	1,457	5,743	21,093	11,130	6,242	38,465
20.	U. Kannada	9,891	526	918	782	591	366	101	7,729	5,239	5	12,973
	STATE TOTAL	3,06,921	26,344	23,774	20,740	16,896	11,184	48,335	1,16,033	2,00949	40,533	3,57,515

Sl. No.	Name of District	No. of Dugwells with Farmers holding size				No. of Wells Accd. to Category of Owners			
		0—1	1—2	Others	Total (14+15+16)	Sch. Caste	Sch. Tribe	Others	Total (18+19+20)
1	2	14	15	16	17	18	19	20	21
1.	Bangalore R)	9,822	8,476	8,877	27,175	1,160	618	25,397	27,175
2.	Bangalore U)	2,884	2,514	3,957	9,355	325	106	8,924	9,355
3.	Belgaum	8,514	14,922	37,984	61,420	1,543	568	59,309	61,420
4.	Bellary	760	2,477	6,496	9,733	626	49	9,058	9,733
5.	Bidar	1,226	4,280	10,820	16,326	597	27	15,702	16,326
6.	Bijapur	4,514	11,075	28,122	43,711	2,622	91	40 998	43,711
7.	Chickmagalur	637	688	1,461	2,736	26	29	2,731	2,786
8.	Chitradurga	1,800	3,577	8,677	14,054	614	1,868	11,539	14,021
9.	D. Kannada	13,165	12,392	13,214	38,771	198	886	37,687	38,771
10.	Dharwad	1,898	3,103	5,191	10,192	270	171	9,751	10,192
11.	Gulbarga	1,744	5,346	15,969	23,059	1,811	263	20,985	23,059
12.	Hassan	639	1,050	1,986	3,675	122	100	3,453	3,675
13.	Kodagu	17	55	341	413	7	1	405	413
14.	Kolar	10,652	13,566	19,148	43,366	3,439	1,892	38,035	43,366
15.	Mandya	1,986	2,800	3,451	8,237	254	72	7,911	8,237
16.	Mysore	2,110	6,097	7,001	15,208	731	80	14,397	15,208
17.	Raichur	1,579	4,58 8	10,554	16,721	1,176	493	15,052	16,721
18.	Shimoga	1,247	1,006	2,156	4,409	103	47	4259	4,409
19.	Tumkur	11,225	12,261	20,721	44,208	2,514	2,595	39,,099	44,208
20.	U. Kannada	8,195	2,586	2,293	13,074	238	813	12,023	13,074
	STATE TOTAL	84,615	1,12,859	2,08,419	4,05,893	18,376	10,769	3,76,715	4,05,860

MINOR IRRIGATION CENSUS IN KARNATAKA FOR 1986-87

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF KARNATAKA (DUGWELLS)—*contd.*

STATE : KARNATAKA

Sl. No.	Name of District	Number of Dugwells with Lifting Devices					Culturable Command Area (in ha.)	Gross Irri. Pot. Created (in ha.)
		Electric Pump	Diesel Pump	Man/Animal Power	Others	Total (22 to 25)		
1	2	22	23	24	25	26	27	28
1.	Bangalore(R)	23,284	1,800	1,605	486	27,175	27,086	29,480
2.	Bangalore(U)	6,885	235	1,290	945	9,355	9,300	9,544
3.	Belgaum	46,251	6,368	4,575	3,394	60,588	95,539	97,555
4.	Bellary	8,952	54	134	593	9,733	20,361	30,432
5.	Bidar	15,185	282	67	792	16,326	31,061	31,061
6.	Bijapur	37,063	1,818	3,618	1,205	43,704	86,363	88,123
7.	Chickmagalur	1,766	697	133	181	2,777	4,378	4,429
8.	Chitradurga	12,473	536	176	565	13,750	28,584	33,584
9.	D. Kannada	19,460	16,724	2,263	268	38,715	46,558	47,727
10.	Dharwad	7,209	581	159	2,243	10,192	13,513	17,041
11.	Gulbarga	11,180	4,916	2,849	2,935	21,880	39,002	40,809
12.	Hassan	2,347	626	410	163	3,546	5,143	5,170
13.	Kodagu	245	143	21	4	413	1,718	1,718
14.	Kolar	34,007	935	4,965	3,459	43,366	41,296	48,940
15.	Mandya	6,025	1,187	449	279	7,940	8,223	9,753
16.	Mysore	13,862	475	402	347	15,086	25,534	29,427
17.	Raichur	12,561	634	1,140	1,373	15,708	26,583	31,654
18.	Shimoga	3,328	462	241	343	4,374	6,322	6,632
19.	Tumkur	34879	2,701	2,710	3,365	43,655	49,868	52,053
20.	U. Kannada	5,831	1,210	5,757	276	13,074	5,131	5,131
	STATE TOTAL	**3,02,793**	**42,384**	**32,964**	**23,216**	**4,01,357**	**5,71,563**	**6,20,263**

Sl. No.	Name of District	Seasonwise Area irrigated by Dugwells (in ha.)					Seasonwise Area irrigated by other sources (in ha.)				
		Kharif	Rabi	Perennial	Others	Total (29 to 32)	Kharif	Rabi	Perennial	Others	Total (34 to 37)
1	2	29	30	31	32	33	34	35	36	37	38
1.	Bangalore(R)	15,034	3,174	6,450	2,215	26,873	1,384	208	229	219	2,040
2.	Bangalore(U)	3,157	1,354	2,746	1,344	8,601	73	21	57	32	183
3.	Belgaum	49,103	14,039	4,393	4,893	72,428	3,124	1,363	618	543	5,648
4.	Bellary	16,618	4,096	728	8,768	30,210	748	277	27	251	1,303
5.	Bidar	12,982	4,987	2,857	2,808	23,634	38	8	..	..	46
6.	Bijapur	29,682	23,399	2,574	2,989	58,644	1	2	..	1	4
7.	Chickmagalur	971	109	2,551	383	4,014	84	9	297	7	397
8.	Chitradurga	16,899	3,740	3,112	3,462	27,213	184	12	5	78	279
9.	D. Kannada	1,976	20,744	18,166	4,108	44,994	314	2,282	993	269	3,858
10.	Dharwad	8,579	2,789	771	3,425	15,564	90	52	14	10	166
11.	Gulbarga	14,860	10,062	1,321	1,227	27,470	270	60	12	9	351
12.	Hassan	1,600	388	2,199	356	4,543	226	11	118	23	378
13.	Kodagu	130	45	1,367	108	1,650	..	..	3	..	3
14.	Kolar	21,940	6,847	2,229	3,657	34,673	577	267	75	26	945
15.	Mandya	4,427	1,958	1,214	940	8,539	13	1	6	4	24
16.	Mysore	14,664	3,940	6,252	1,652	26,508	164	..	53	12	229
17.	Raichur	18,429	3,615	544	7,623	30,211	160	2	54	60	276
18.	Shimoga	2,724	230	2,616	420	5,990	234	7	28	45	314
19.	Tokur	22,052	4,946	11,425	2,036	40,459	838	1,046	675	264	2,823
20.	U. Kannada	643	279	3,459	390	4,771	24	11	60	..	95
	STATE TOTAL	**2,56,470**	**1,10,741**	**76,974**	**52,804**	**4,96,989**	**8,546**	**5,639**	**3,324**	**1,853**	**19,362**

MINOR IRRIGATION CENSUS IN MADHYA PRADESH FOR 1986-87

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF MADHYA PRADESH (DUGWELLS)

STATE : MADHYA PRADESH

Sl. No.	Name of District	Yearwise No. of Dugwells Commissioned during						No. of Wells not in Use	Categorywise No. of Dugwells in use			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Pucca	Kutcha	Dug-cum-Br. Wells	Total (10+11+12)
1	2	3	4	5	6	7	8	9	10	11	12	13
1.	Baitul	26,934	1,650	1,726	1,453	1,262	989	..	16,630	17,379	5	34,014
2.	Balaghat	4,513	655	492	443	388	287	1,059	6,305	441	32	6,778
3.	Baster	5,881	312	249	258	243	153	1,264	4,364	2,711	21	7,096
4.	Bhind	6,531	524	460	540	456	520	8,847	5,835	64	3,132	9,031
5.	Bhopal	4,240	639	699	691	605	357	..	5,201	1,658	372	7,231
6.	Bilaspur	6,057	430	467	401	287	464	1,161	6,201	1,481	424	8,106
7.	Chattarpur	36763	1,035	1,303	1,447	1,172	744	3,268	41,076	1,328	60	42,464
8.	Chhindwara	34,695	3,630	2,872	2,532	2,389	1,908	15,692	30,228	17,690	108	48,026
9.	Damoh	2,955	395	452	514	377	290	1,313	4,798	120	65	4,983
10.	Datia	6,400	580	768	923	600	585	2,645	8,046	672	1,138	9,856
11.	Devas	17,936	1,186	1,740	1,585	1,358	870	3,960	9,864	13,736	1,075	24,675
12.	Dhar	24,284	1,991	2,018	1,881	1,335	864	10,618	7,890	24,020	463	32,373
13.	Durg	7,066	446	313	353	395	300	1,312	6,142	2,262	469	8,873
14.	Guna	10,721	1,149	1,350	1,326	1,088	841	2,172	13,757	2,658	60	16,475
15.	Gwalior	8,815	930	819	902	550	490	5,223	11,776	230	500	12,506
16.	Hoshangabad	11,465	953	841	1,033	807	600	..	13,689	799	1,211	15,699
17.	Indore	14,517	863	877	715	445	210	1847	9,144	5,504	2,979	17,627
18.	Jabalpur	5,458	1,068	804	834	630	448	1,107	8,162	697	383	9,242
19.	Jhabua	6,949	381	428	498	331	153	13,764	3,449	5,290	1	8,740
20.	Mandla	1,659	132	85	80	56	198	345	1,561	518	131	2,210
21.	Mandsaur	82,255	4,396	4,731	4,457	3,634	3,578	5,846	40,787	61,987	277	1,03,051
22.	Morena	11,278	1,660	1,547	1,177	765	540	4,332	13,788	465	2,714	16,967
23.	Narsinghpur	6,277	835	1,014	972	751	614	904	9,711	242	510	10,463
24.	P. Neemad (Khandba)	18,393	2,750	2,736	2,921	1,935	1,360	12,754	15,496	14,400	199	30,095
25.	P. Neemad (Khargon)	31,791	4,777	4,220	4,236	3,482	3,206	12,889	21,715	29,376	621	51,712
26.	Panna	5,411	318	306	321	196	164	652	5,644	1,058	14	6,716
27.	Raigarh	14,162	275	469	447	354	228	1,512	11,950	3,903	82	15,935
28.	Raipur	20,925	853	730	842	633	1,090	3,707	16,624	7,491	958	25,073
29.	Raisen	1,687	226	273	368	351	261	..	2,710	442	14	3,166
30.	Rajgarh	27,903	2,327	2,740	2,809	2,289	1,883	..	23,315	16,332	304	39,951
31.	Rajnadgaon	7,846	312	326	262	324	378	5,547	5,532	3,813	83	9,448
32.	Ratlam	23,103	1,514	1,579	1,563	1,445	944	5,546	13,.56	16,640	352	30,148
33.	Reva	3,111	939	821	1,308	792	537	315	6,536	490	482	7,508
34.	Sagar	10,422	1,111	1,298	1,518	1,390	1,034	1,361	15,245	1,477	51	16,773
35.	Sarguja	37,234	2,172	1,891	1,831	1,364	939	5,854	22,752	22,676	3	45,431
36.	Satna	4,161	678	808	927	659	656	577	6,882	752	255	7,889
37.	Seedhi	7,366	745	680	588	460	411	1,823	8,360	1,779	111	10,250
38.	Sehor	8,837	1,652	2,017	2,150	1,588	1,359	..	12,019	5,296	288	17,603
39.	Shahdol	6,400	364	265	510	454	364	257	5,630	2,724	3	8,357
40.	Shajapur	24,194	2,275	2,109	2,407	2,194	1,668	4,921	23,084	11,235	528	34,847
41.	Shivpuri	38,144	2,315	2,128	1,871	1,195	763	5,830	37,895	8,347	174	46,416
42.	Sivni	5,420	364	512	453	456	406	4,031	4,877	2,723	11	7,611
43.	Teekamgarh	39,216	3,158	3,288	2,781	2,250	1,648	3,114	46,280	5,960	101	52,341
44.	Ujjain	19,893	1,844	2,116	2,285	1,754	1,441	3,501	14,190	11,686	3,457	29,333
45.	Vedesha	2,130	408	341	345	347	287	..	3,751	103	4	3,858
	STATE TOTAL	**7,01,398**	**57,217**	**57,708**	**57,758**	**45,836**	**37,030**	**1,60,870**	**6,02,067**	**3,30,655**	**24,225**	**9,56,947**

MINOR IRRIGATION CENSUS IN MADHYA PRADESH FOR 1986-87

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF MADHYA PRADESH (DUGWELLS)—*contd*

STATE : MADHYA PRADESH

Sl. No.	Name of District	No. of Dugwells with Farmers holding size				No. of Wells Accd. to Category of owners			
		0—1	1—2	Others	Total (14+15+16)	Sch. caste	Sch. Tribe	Others	Total (18+19+20)
1	2	14	15	16	17	18	19	20	21
1.	Baiful	3,647	6,976	23,391	34,014	1,861	5,141	27,012	34,014
2.	Balaghat	1,484	2,275	3,019	6,778	368	751	5,659	6,778
3.	Baster	1,063	1,237	4,796	7,096	149	4,456	2,496	7,101
4.	Bhind	1,423	2,428	5,180	9,031	811	..	8,220	9,031
5.	Bhopal	449	1,553	5,228	7,231	628	20	6,583	7,231
6.	Bilaspur	2,447	2,575	3,084	8,106	878	1,898	5,330	8,106
7.	Chittarpur	3,531	9,045	29,888	42,464	5,921	627	35,916	42,464
8.	Chhindwarn	7,181	12,437	28,408	48,026	3,065	8,527	36,434	48,026
9.	Damoh	1,332	1,435	2,216	4,983	494	374	4,115	4,983
10.	Datia	1,448	2,653	5,755	9,856	1,794	69	7,993	9,856
11.	Devas	1,134	4,136	19,405	24,675	1,940	1,426	21,309	24,675
12.	Dhar	2,263	6,214	23,896	32,373	408	16,843	15,122	32,373
13.	Durg	2,027	2,306	4,540	8,873	346	1,548	6,979	8,873
14.	Guna	2,266	3,287	10,922	16,475	1,156	730	14,589	16,475
15.	Gwalior	1,675	2,549	8,282	12,506	1,566	71	10,869	12,506
16.	Hoshangabad	1,913	4,740	9,046	15,699	1,145	1,114	13,440	15,699
17.	Indore	1,431	4,031	12,165	17,627	793	645	16,189	17,627
18.	Jabalpur	2,461	3,138	3,643	9,242	390	534	8,318	9,242
19.	Jhabua	583	1,631	6,526	8,740	37	7,033	1,670	8,740
20.	Mandla	523	850	837	2,210	71	331	1,808	2,210
21.	Mandsaur	16,452	22,577	64,022	1,03,051	11,557	4,633	86,861	1,03,051
22.	Morena	2,099	4,491	10,377	16,967	2,009	93	14,865	16,967
23.	Narsinghpur	1,388	3,481	5,594	10,463	487	462	9,514	10,463
24.	P. Neemad (Khandba)	2,388	6,979	20,728	30,095	1,764	3,402	24,929	30,095
25.	P. Neemad(Khargon)	3,982	11,984	35,746	51,712	2,347	13,364	36,001	51,712
26.	Panna	770	1,269	4,677	6,716	750	455	5,511	6,716
27.	Raigarh	2,078	2,456	11,401	15,935	408	10,210	5,317	15,935
28.	Raipur	5,001	5,868	14,204	25,073	1,733	5,449	17,891	25,073
29.	Raisen	275	986	1,905	3,166	180	119	2,867	3,166
30.	Rajgarh	4,050	6,984	28,917	39,951	3,371	910	35,670	39,951
31.	Rajnadgaon	1,426	1,414	6,608	9,448	166	1,416	7,866	9,448
32.	Ratlam	3,491	7,079	19,578	30,148	2,920	3,455	23,773	30,148
33.	Reva	1,322	2,544	3,642	7,508	145	25	7,338	7,508
34.	Sagar	2,880	5,312	8,581	16,773	1,419	738	14,616	16,773
35.	Sarguja	7,760	7,875	29,796	45,431	983	23,481	20,967	45,431
36.	Satna	1,642	2,383	3,864	7,889	277	135	7,477	7,889
37.	Seedhi	2,979	1,971	5,300	10,250	424	2,272	7,554	10,250
38.	Sehor	884	3,571	13,148	17,603	1,733	444	15,426	17,603
39.	Shahdol	1,947	1,795	4,615	8,357	206	3,025	5,126	8,357
40.	Shajapur	2,693	6,116	26,038	34,847	3,389	553	30,905	34,847
41.	Shivpuri	5,628	11,011	29,777	46,416	6,852	1,429	38,135	46,416
42.	Sivni	1,047	1,904	4,660	7,611	335	1,786	5,490	7,611
43.	Teekangarh	6,924	13,442	31,975	52,341	8,688	1,216	42,437	52,341
44.	Ujjain	1,965	5,693	21,675	29,333	4,137	751	24,445	29,333
45.	Vedesha	409	862	2,587	3,858	308	28	3,522	3,858
	STATE TOTAL	**1,21,761**	**2,15,544**	**6,19,642**	**9,56,947**	**80,409**	**1,31,989**	**7,44,554**	**9,56,952**

MINOR IRRIGATION CENSUS IN MADHYA PRADESH FOR 1986-87

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF MADHYA PRADESH (DUGWELLS)

STATE : MADHYA PRADESH

Sl. No.	Name of District	Number of Dugwells with Lifting Devices					Culturable Command Area (In Ha.)	Gross Irri. Pot. Created (In Ha.)
		Electric Pump	Diesel Pump	Man/Animal Power	Others	Total (22 to 25)		
1	2	22	23	24	25	26	27	28
1.	Baitul	15,852	4,756	13,406	..	34,014	46,302	42,596
2.	Balaghat	2,742	1,459	1,656	921	6,778	8,589	8,589
3.	Baster	187	440	6,150	319	7,096	2,928	1,940
4.	Bhind	5,508	1,590	1,866	66	9,030	43,511	33,006
5.	Bhopal	5,437	1,745	49	..	7,231	22,894	17,472
6.	Bilaspur	2,569	1,077	3,959	501	8,106	7,791	8,589
7.	Chattarpur	11,290	4,385	26,573	216	42,464	90,266	77,647
8.	Chhindwara	26,441	642	20,860	83	48,026	68,130	68,130
9.	Damoh	2,478	1,798	652	55	4,983	8,172	6,749
10.	Datia	3,387	2,357	4,112	..	9,856	36,766	22,495
11.	Devas	22,714	1,634	318	9	24,675	62,141	54,864
12.	Dhar	19,488	4,948	7,911	26	32,373	72,450	55,352
13.	Durg	3,554	1,051	3,486	782	8,873	10,565	10,425
14.	Guna	4,268	3,541	8,545	121	16,475	25,718	22,621
15.	Gwalior	7,621	2,642	2,073	170	12,506	32,475	30,666
16.	Hoshangabad	11,620	3,262	781	36	15,699	28,751	22,917
17.	Indore	17,582	26	19	..	17,627	44,024	38,610
18.	Jabalpur	5,617	2,055	1,462	108	9,242	16,411	16,865
19.	Jhabua	2,577	3,619	2,490	54	8,740	12,690	11,809
20.	Mandla	847	242	1,108	13	2,210	2,425	2,425
21.	Mandsaur	63,901	18,366	20,276	508	1,03,051	1,53,711	1,37,544
22.	Morena	8,894	4,323	3,733	17	16,967	62,869	60,961
23.	Narsinghpur	9,227	1,073	157	6	10,463	30,302	30,302
24.	P. Neemad (Khandba)	20,698	8,015	1,344	38	30,095	73,457	63,030
25.	P. Neemad (Khargon')	35,542	13,630	2,506	34	51,712	1,28,989	1,14,891
26.	Panna	2,354	2,761	1,493	108	6,716	8,501	6,691
27.	Raigarh	363	893	14,664	15	15,935	6,873	4,257
28.	Raipur	3,422	2,456	18,315	880	25,073	14,204	12,575
29.	Raisen	943	2,037	185	1	3,166	6,436	6,436
30.	Rajgarh	18,202	2,463	18,854	432	39,951	68,387	56,586
31.	Rajnadgaon	1,229	793	2,035	5,391	9,448	5,835	4,543
32.	Ratlam	23,332	2,660	4,102	54	30,148	65,969	63,018
33.	Reva	4,768	1,714	785	241	7,508	13,138	11,411
34.	Sagar	7,388	7,754	976	655	16,773	36,175	24,843
35.	Sarguja	433	425	44,365	208	45,431	10,019	6,666
36.	Satna	4,841	1,437	1,232	379	7,889	19,855	15,515
37.	Seedhi	2,250	801	6,723	476	10,250	7,246	5,277
38.	Sehor	16,024	1,508	64	7	17,603	51,211	43,980
39.	Shahdol	1,277	615	6,318	147	8,357	4,267	3,311
40.	Shajapur	25,545	2,968	6,328	6	34,847	75,485	61,519
41.	Shivpuri	7,744	4,232	34,429	11	46,416	89,401	78,382
42.	Sivni	3,146	1,650	2,740	75	7,611	17,411	17,411
43.	Teekamgarh	8,574	2,076	41,690	1	52,341	1,03,336	85,139
44.	Ujjain	26,975	1,219	1,091	48	29,333	80,718	67,973
45.	Vedesha	1,123	2,345	376	14	3,858	6,781	6,139
	STATE TOTAL	4,69,974	1,31,483	3,42,257	13,232	9,56,946	17,83,575	15,42,167

MINOR IRRIGATION CENSUS IN MADHYA PRADESH FOR 1986-87

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF MADHYA PRADESH (DUGWELLS)

STATE : MADHYA PRADESH

Sl. No.	Name of District	Seasonwise Area irrigated by Dugwells (In Ha.)					Seasonwise Area irrigated by other Sources(In Ha.)				
		Kharif	Rabi	Perennial	Others	Total (29 to 32)	Kharif	Rabi	Perennial	Others	Total (34 to 37)
1	2	29	30	31	32	33	34	35	36	37	38
1.	Baitul	1,270	34,670	2,957	4	38,901	..	..	..	..	..
2.	Balaghat	5,485	1,553	22	14	7,074	..	..	..	..	..
3.	Baster	172	1,172	2	..	1,346	363	19	..	..	382
4.	Bhind	402	27,037	4	5	27,448	307	4,894	..	..	5,201
5.	Bhopal	849	13,915	27	34	14,825	1,523	1,715	..	..	3,238
6.	Bilaspur	6,062	2,271	74	140	8,547	..	..	..	..	..
7.	Chattarpur	259	74,015	26	13	74,313	7	4,098	..	..	4,105
8.	Chhindwara	10,447	34,337	1,481	98	46,363	..	..	..	..	..
9.	Damoh	111	6,457	..	100	6,668	..	2	..	..	2
10.	Datia	2,356	19,250	882	8	22,496	39	133	..	111	283
11.	Devas	8,055	40,218	35	6	48,314	166	481	..	..	647
12.	Dhar	18,656	21,589	522	66	40,833	1,711	1,859	67	..	3,637
13.	Durg	7,417	2,673	140	82	10,312	..	..	..	..	..
14.	Guna	924	19,487	36	5	20,452	4	132	..	..	136
15.	Gwalior	3,076	28,720	35	15	31,846	420	1,086	16	..	1,522
16.	Hoshangabad	1,392	22,297	60	781	24,530	37	1,111	4	8	1,160
17.	Indore	2,779	34,509	277	19	37,584	1	258	..	..	259
18.	Jabalpur	874	15,690	107	65	16,736	..	..	..	..	..
19.	Jhabua	1,503	6,133	8	..	7,644	27	78	..	..	105
20.	Mandla	696	860	106	10	1,672	..	..	..	..	..
21.	Mandsaur	4,602	1,23,917	640	43	1,29,202	66	5,123	10	..	5,199
22.	Morena	2,101	58,785	1,401	14	60,301	31	9,421	..	..	9,452
23.	Narsinghpur	1,094	23,760	1,365	42	26,261	..	..	..	..	..
24.	P. Neemad (Khandba)	27,783	27,775	99	..	55,657	298	679	6	..	983
25.	P. Neemad (Khargon)	50,688	31,625	619	15	82,947	2,509	1,648	16	15	4,188
26.	Panna	362	6,337	48	..	6,747	11	1,109	..	..	1,120
27.	Raigarh	276	2,342	37	9	2,664	2	4	..	..	6
28.	Raipur	6,356	5,707	164	152	12,379	738	68	4	..	810
29.	Raisen	23	4,817	33	..	4,873	88	..	..	..	88
30.	Rajgarh	2,455	47,334	173	1	49,963	20	4,398	1	..	4,419
31.	Rajnadgaon	2,918	460	276	10	3,664	290	4	..	..	294
32.	Ratlam	6,600	40,041	1,520	234	48,395	45	373	..	..	418
33.	Reva	72	10,068	15	..	10,155	..	80	..	..	80
34.	Sagar	485	18,974	614	27	20,100	7	3,529	2	..	3,538
35.	Sarguja	51	3,976	2	62	4,091	..	1	..	..	1
36.	Satna	114	12,807	44	1	12,966	..	186	..	..	186
37.	Seedhi	629	4,768	19	637	6,053	3	1,571	..	..	1,574
38.	Sehor	4,456	34,913	2	1	39,372	350	2,546	..	..	2,896
39.	Shahdol	39	2,812	47	4	2,902	1	426	..	9	436
40.	Shajapur	1,762	59,274	438	45	61,519	3	74	..	..	77
41.	Shivpuri	7,132	53,208	85	3	60,428	..	12	..	..	12
42.	Sivni	1,619	5,197	164	162	7,142	..	..	..	..	..
43.	Teekamgarh	8,127	73,777	1	1	81,906	..	3,399	..	..	3,399
44.	Ujjain	2,285	58,170	370	209	61,034	32	427	..	1	460
45.	Vedesha	393	4,463	24	..	4,880	10	540	..	..	550
	STATE TOTAL	**2,05,207**	**11,20,160**	**15,001**	**3,137**	**13,43,505**	**9,109**	**51,484**	**126**	**144**	**60,863**

MINOR IRRIGATION CENSUS IN MAHARASHTRA FOR 1986-87

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF MAHARASHTRA (DUGWELLS)

STATE : MAHARASHTRA

Sl. No.	Name of District	Yearwise No. of Dugwells Commissioned during						No. of Wells not in use	Categorywise No. of Dugwells in use			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Pucca	Kutcha	Dug-cum Br. Well	Total (10+11+12)
1	2	3	4	5	6	7	8	9	10	11	12	13
1.	Ahmednagar	1,01,811	7,969	8,400	7,068	6,817	5,063	13,018	83,745	42,834	1,964	1,28,543
2.	Akola	24,970	1,001	1,288	1,236	1,423	1,113	5,115	21,118	5,961	5	27,084
3.	Amravati	41,736	2,849	2,337	1,987	1,424	1,722	9,179	39,567	2,397	912	42,876
4.	Aurangabad	57,426	4,242	4,136	4,290	4,273	4,075	16,869	42,054	18,990	529	61,573
5.	Bandhara	9,721	594	495	510	393	355	4,761	12,360	436	525	13,321
6.	Beed	31,801	3,849	2,864	3,153	3,264	3,052	4,969	20,224	22,667	123	43,014
7.	Buldhana	30,074	4,034	3,949	3,706	3,150	2,858	6,341	31,206	9,480	171	40,857
8.	Chandrapur	4,617	388	268	340	358	411	1,323	4,399	660	..	5,059
9.	Dhule	..	..	..	..	..	..	9,241	17,448	21,288	96	38,832
10.	Gadchiroli	3,308	203	147	164	109	54	357	770	1,854	4	2,628
11.	Jalgaon	71,591	2,707	2,197	2,722	2,608	3,409	24,801	43,027	14,616	2,790	60,433
12.	Jalna	31,104	4,117	2,556	3,153	3,228	3,288	8,805	24,910	14,203	28	39,141
13.	Kolhapur	25,965	1,641	918	888	791	804	4,123	6,196	20,574	114	26,884
14.	Latur	16,184	961	721	920	962	547	10,311	4,748	21,241	222	26,211
15.	Nagpur	35,349	1,593	922	961	837	1,098	6,142	28,775	7,026	76	35,877
16.	Nanded	20,522	1,181	1,031	1,024	1,316	1,460	4,599	10,454	13,868	796	25,118
17.	Nashik	30,012	3,037	11,590	2,126	2,796	1,835	18,017	46,951	63,497	379	1,10,827
18.	Osmanabad	29,701	2,817	1,820	1,584	1,370	1,331	6,781	5,437	26,233	173	31,843
19.	Parbhani	29,452	2,366	1,677	1,936	1,866	1,736	5,788	18,299	14,836	110	33,245
20.	Pune	58,588	6,033	4,005	40,625	5,204	5,134	5,770	43,327	73,932	357	1,17,616
21.	Raigad	4,314	84	58	66	77	30	23	1,368	3,238	..	4,606
22.	Ratnagiri	..	..	..	..	..	..	16	2,281	1,869	..	4,150
23.	Sangli	68,222	1,971	1,812	1,676	1,325	887	14,528	11,431	48,568	1,361	61,360
24.	Satara	46,171	2,229	1,753	1,837	1,895	1,696	6,598	18,470	30,498	15	48,983
25.	Sindhudurg	2,147	189	154	123	213	245	57	1,708	1,306	..	3,014
26.	Solapur	70,029	16,146	5,659	4,634	3,613	2,925	7,525	16,445	69,613	1,308	87,366
27.	Thane	7,223	257	275	394	361	948	1,009	4,740	3,301	408	8,449
28.	Wardha	16,657	6,023	4,293	2,916	2,330	2,372	7,800	20,240	6,434	107	26,781
29.	Yavatmal	17,288	7,032	2,266	1,580	1,281	1,162	8,753	15,526	6,293	32	21,851
	STATE TOTAL	8,85,983	85,513	67,591	91,619	53,284	49,610	2,12,619	5,97,224	5,67,713	12,605	11,77,542

MINOR IRRIGATION CENSUS IN MAHARASHTRA FOR 1986-87

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF MAHARASHTRA (DUGWELLS—*contd.*)

STATE : MAHARASHTRA

Sl. No.	Name of District	No. of Dugwells with Farmers holding size				No. of wells accd. to Category of Owners			
		0—1	1—2	Others	Total (14+15+16)	Sch. Caste	Sch. Tribe	Others	Total (18+19+20)
1	2	14	15	16	17	18	19	20	21
1.	Ahmednagar	40,187	48,813	65,898	1,54,898	9,314	2,536	1,42,727	1,54,577
2.	Akola	4,957	9,427	16,840	31,224	1,936	1,032	28,252	31,220
3.	Amravati	8,244	19,137	24,674	52,055	3,649	2,828	45,578	52,055
4.	Aurangabad	15,002	29,446	33,994	78,442	3,897	1,696	72,049	77,642
5.	Bandhara	3,319	4,107	6,817	14,243	1,174	1,399	14,397	16,970
6.	Beed	11,264	12,807	23,912	47,983	1,547	71	46,365	47,983
7.	Buldhana	11,120	12,327	22,909	46,356	3,817	479	42,713	47,009
8.	Chandrapur	1,122	1,120	1,869	4,111	545	484	5,353	6,382
9.	Dhule	39,282	4,192	4,599	48,073	2,089	6,443	39,541	48,073
10.	Gadchiroli	2,180	742	1,063	3,985	194	1,956	1,835	3,985
11.	Jalgaon	13,526	29,481	42,227	85,234	2,167	1,640	81,427	85,234
12.	Jalna	11,532	17,783	18,131	47,446	3,183	990	43,279	47,452
13.	Kolhapur	7,663	8,404	14,940	31,007	844	32	30,131	31,007
14.	Latur	3,865	7,193	22,315	33,373	698	187	32,488	33,373
15.	Nagpur	10,055	10,788	21,176	42,019	3,908	2,622	35,489	42,019
16.	Nanded	9,728	7,508	11,287	28,523	1,845	1,852	27,606	31,303
17.	Nashik	25,929	32,117	58,795	1,16,841	5,592	7,929	1,14,381	1,27,902
18.	Osmanabad	4,190	13,822	20,612	38,624	1,704	475	36,444	38,623
19.	Parbhani	5,528	9,681	26,742	41,951	1,376	1,870	38,815	42,061
20.	Pune	36,361	32,207	49,550	1,18,118	5,913	1,627	1,11,026	1,18,566
21.	Raigad	3,621	693	315	4,629	96	36	4,497	4,629
22.	Ratnagiri	2,868	1,143	155	4,166	24	..	4,142	4,166
23.	Sangli	40,941	42,588	1,16,022	1,99,551	7,227	803	1,35,236	1,43,266
24.	Satara	9,003	11,959	34,619	55,581	2,156	189	53,236	55,581
25.	Sindhudurg	1,410	723	938	3,071	101	2	2,968	3,071
26.	Solapur	12,837	19,364	61,145	93,346	4,719	1,116	78,424	84,259
27.	Thane	3,701	923	3,829	8,453	346	956	7,151	8,453
28.	Wardha	7,221	7,978	19,382	34,581	2,771	1,965	29,845	34,581
29.	Yavatmal	1,858	7,313	21,438	30,609	1,896	3,172	25,541	30,609
	STATE TOTAL	3,48,514	4,03,786	7,46,193	14,98,493	74,728	46,387	13,30,936	14,52,051

MINOR IRRIGATION CENSUS IN MAHARASHTRA FOR 1986-87

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF MAHARASHTRA (DUGWELLS)—*Contd.*

STATE : MAHARASHTRA

Sl. No.	Name of District	Number of Dugwells with Lifting devices					Culturable Command Area (In Ha.)	Gross Irri. Pot. Created (In Ha.)
		Electric Pump	Diesel Pump	Man/Animal Power	Others	Total (22 to 25)		
1	2	22	23	24	25	26	27	28
1.	Ahmednagar	94,980	20,586	6,867	3,874	1,26,307	2,84,714	2,26,448
2.	Akola	19,808	2,112	400	615	22,935	20,821	41,422
3.	Amravati	43,786	568	561	340	45,255	99,862	75,173
4.	Aurangabad	49,767	2,914	4,928	3,964	61,573	1,97,038	1,45,125
5.	Bhandara	8,160	1,451	1,946	782	12,339	24,435	21,351
6.	Beed	27,739	6,538	7,060	6,646	47,983	1,39,504	10,188
7.	Buldhana	32,253	3,055	708	966	36,982	86,206	68,095
8.	Chandrapur	2,754	1,793	1,102	733	6,382	11,067	6,095
9.	Dhule	33,223	1,836	638	670	36,367	68,324	83,448
10.	Gadchiroli	359	715	2,641	270	3,985	4,819	3,177
11.	Jalgaon	56,017	4,338	2,642	618	63,615	1,67,855	1,28,907
12.	Jalna	25,684	7,689	5,441	8,632	47,446	1,28,502	80,783
13.	Kolhapur	17,480	9,397	310	1,209	28,396	39,412	44,140
14.	Latur	21,974	2,020	653	631	25,278	96,946	68,072
15.	Nagpur	29,991	1,024	3,058	1,307	35,380	88,336	52,947
16.	Nanded	13,513	413	863	3,980	18,769	5,94,858 ?	2,94,026 ?
17.	Nashik	80,890	18,428	5,813	2,515	1,07,646	2,01,911	1,69,837
18.	Osmanabad	27,220	5,266	1,241	97	33,824	1,21,757	78,725
19.	Parbhani	22,809	2,983	6,023	1,505	33,320	67,874	64,453
20.	Pune	40,070	3,522	6,167	1,331	51,090	1,60,314	1,25,003
21.	Raigad	3,312	58	340	9	3,719	994	1,604
22.	Ratnagiri	2,649	41	1,401	75	4,166	1,565	1,388
23.	Sangli	38,684	13,648	7,113	551	59,996	1,52,571	1,25,539
24.	Satara	24,303	21,573	856	1,530	48,262	1,44,606	1,15,295
25.	Sindhudurg	1,649	381	1,037	4	3,071	2,446	1,723
26.	Solapur	52,089	27,001	2,480	404	81,974	1,77,986	1,39,284
27.	Thane	4,443	536	2,122	1,087	8,188	1,141	8,865
28.	Wardha	19,272	1,515	369	331	21,487	44,000	29,905
29.	Yavatmal	17,759	2,034	281	883	20,957	67,898	49,632
	STATE TOTAL	8,12,637	1,63,435	75,061	45,559	10,96,692	31,97,762	22,60,650

MINOR IRRIGATION CENSUS IN MAHARASHTRA FOR 1986-87

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF (MAHARASHTRA)—*Contd.*

STATE : MAHARASHTRA

Sl. No.	Name of District	Seasonwise Area irrigated by Dugwells (In Ha.)					Seasonable Area irrigated by other sources (In Ha.)				
		Kharif	Rabi	Perennial	Others	Total (29 to 32)	Kharif	Rabi	Perennial	Others	Total (34 to 37)
1	2	29	30	31	32	33	34	35	36	37	38
1.	Ahmednagar	72,734	1,00,924	33,762	6,000	2,13,420	9,934	11,909	3,863	1,241	26,947
2.	Akola	9,174	16,455	4,035	2454	32,118	2,866	1,610	21	138	4,635
3.	Amravati	14,055	16,500	24,654	4,936	60,145	3	58	31	4	96
4.	Aurangabad	47,628	56,161	15,527	5,368	1,24,684	172	1,054	101	56	1,383
5.	Bhandara	12,035	4,517	810	1,461	18,823	5,337	216	32	19	5,604
6.	Beed	25,426	49,383	8,519	2,200	85,528	151	327	94	22	594
7.	Buldhana	15,746	26,254	2,556	2,455	47,011	1,117	3,502	197	67	4,883
8.	Chandrapur	2,880	1,984	335	291	5,490	557	155	22	33	767
9.	Dhule	33,956	20,418	7,299	1,678	63,351	1,208	1,687	318	433	3,646
10.	Gadchiroli	1,123	1,090	60	232	2,505	613	124	8	27	772
11.	Jalgaon	26,762	26,386	29,563	4,914	87,625	..	6	99	1	106
12.	Jalna	30,636	33,796	25,118	2,797	92,347	1,939	3,004	1,131	145	6,219
13.	Kolhapur	11,738	9,277	15,883	1,178	38,076	159	217	798	58	1,232
14.	Latur	10,354	12,837	6,787	1,928	31,906	977	490	235	16	1,718
15.	Nagpur	10,988	25,115	10,810	3,845	50,758	1,193	2,282	800	222	4,497
16.	Nanded	1,18,831	1,12,730	71,393	76,429	3,79,383	..	..	..	..	..
17.	Nashik	87,128	45,050	19,365	7,092	1,58,635	2,851	2,328	528	265	5,972
18.	Osmanabad	31,755	26,334	11,522	4,001	73,612	679	874	146	38	1,737
19.	Parbhani	16,110	24,904	7,408	2,461	50,883	1,247	1,576	1,134	252	4,209
20.	Pune	54,021	63,475	15,176	9,081	1,41,753	8,137	34,931	1,203	242	44,513
21.	Raigad	9	151	1,438	20	1,618	..	4	..	..	4
22.	Ratnagiri	125	463	603	44	1,235	..	..	..	..	..
23.	Sangli	53,743	39,392	29,031	3,059	1,25,225	209	486	277	58	1,030
24.	Satara	24,830	32,329	16,672	7,329	81,160	1,656	1,728	793	553	4,730
25.	Sindhudurg	276	876	298	95	1,545	14	15	7	3	39
26.	Solapur	46,901	83,271	20,625	14,379	1,65,176	1,488	3,462	4,620	357	9,927
27.	Thane	3,167	2,239	2,538	714	8,658	94	197	97	10	398
28.	Wardha	7,912	14,415	3,314	853	26,494	5,655	754	670	187	7,266
29.	Yavatmal	11,516	11,681	4,025	1,900	29,122	837	1,647	229	152	2,865
	STATE TOTAL	7,81,559	8,58,407	3,89,126	1,69,194	21,98,286	49,093	74,643	17,454	4,599	1,45,789

MINOR IRRIGATION CENSUS IN MEGHALAYA FOR 1986-87

SCHEDULE B-1 DISTSICT LEVEL ABSTRACT OF MEGHALAYA (DUGWELLS)

STATE : MEGHALAYA

Sl. No.	Name of District	Yearwise No. of Dugwells Commissioned during						No. of Wells not in use	Categorywise No. of Dugwells in use				No. of Dugwells with Farmers Holding size				No. of Wells Accd. to Category of owners			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Pucca	Kutcha	Dug-cum-Br. Well	Total (10+11+12)	0—1	1—2	Others	Total (14+15+16)	Sch. Caste	Sch. Tribe	Others	Total (18+19+20)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1.	East Garo Hills	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2.	East Khasi Hills	4	18	..	2	14	4	..	2	40	..	42	26	13	3	42	..	42	..	42
3.	Jaintia Hills	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4.	West Garo Hills	2	1	2	1	1	..	..	..	7	..	7	7	..	..	7	..	7	..	7
5.	West Khasi Hills	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	STATE TOTAL	6	19	2	3	15	4	..	2	47	..	49	33	13	3	49	..	49	..	49

Sl. No.	Name of District	Number of Dugwells with Lifting Devices					Cultu-rab'e Command Area (In ha.)	Gross Irri. Pot. created (In ha.)	Seasonwise Area irrigated by Dugwells (In Ha.)					Seasonwise Area irrigated by other Sources(In Ha.)				
		Electric Pump	Diesel Pump	Man/ Animal Power	Others	Total (22 to 25)			Kharif	Rabi	Perennial	Others	Total (29 to 32)	Kharif	Rabi	Perennial	Others	Total (34 to 37)
1	2	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
1.	East Garo Hills	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2.	East Khasi Hills	..	..	42	..	42	41	55	11	8	13	9	41	..	..	..	..	..	..	..
3.	Jaintia Hills	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4.	West Garo Hills	..	..	7	..	7	235	285	235	28	..	3	266	..	..	..	..	..	..	..
5.	West Khasi Hills	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	STATE TOTAL	..	..	49	..	49	276	340	246	36	13	12	307	..	..	..	..	..	..	..

MINOR IRRIGATION CENSUS IN NAGALAND FOR 1986-87

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF NAGALAND (DUGWELLS)

STATE : NAGALAND

Sl. No.	Name of District	Yearwise No. of Dugwells Commissioned during						No. of Wells not in use	Categorywise No. of Dugwells in use				No. of Dugwells with Farmers holding size				No. of Wells Accd. to Category of Owners			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Pucca	Kutcha	Dug-cum-Br. Well	Total (10+11+12)	0—1	1—2	Others	Total (14+15+16)	Sch. Caste	Sch. Tribe	Others	Total (18+19+20)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1.	Kohima	..	..	..	..	143	144	..	163	124	..	287	192	95	..	287	4	283	..	287
2.	Lunhelcoto	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Moko chung	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4.	Mon	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5.	Phek	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6.	Thensan	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.		..
7.	Wokha	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
STATE TOTAL		..	..	..	..	143	144	..	163	124	..	287	192	95	..	287	4	283	..	287

Sl. No.	Name of District	Number of Dugwells with Lifting Devices					Cultu-rable Command Area (In ha.)	Gross Irri. Pot. created (In ha.)	Seasonwise Area irrigated by Dugwells (In Ha.)					Seasonable Area irrigated by other sources (In ha.)				
		Electric Pump	Diesel Pump	Man/ Animal Power	Others	Total (22 to 25)			Kharif	Rabi	Perennial	Others	Total (29 to 32)	Kharif	Rabi	Perennial	Others	Total (34 to 37)
1	2	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
1.	Kohima	..	15	272	..	287	303	88	88	..	..	..	88	..	..	..	..	..
2.	Lunhelcoto	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Moko chung	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4.	Mon	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5.	Phek	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6.	Thensan	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7.	Wokha	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
STATE TOTAL		..	15	272	..	287	303	88	88	..	..	..	88	..	..	..	..	..

MINOR IRRIGATION CENSUS IN ORISSA FOR 1986-87

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF ORISSA (DUGWELLS)

STATE : ORISSA

Sl. No.	Name of District	Yearwise No. of Dugwells Commissioned during						No. of Wells not in use	Categorywise No. of Dugwells in use			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Pucca	Kutcha	Dug-cum-Br. Well	Total (10+11+12)
1	2	3	4	5	6	7	8	9	10	11	12	13
1.	Balasore	382	225	200	105	50	26	154	770	23	41	834
2.	Bolangir	35,528	4,629	2,601	1,578	799	436	4,138	16,918	24,473	42	41,433
3.	Cuttack	6,195	833	681	323	210	125	696	6,351	1,186	134	7,671
4.	Dhenkanal	17,067	1,099	913	692	451	214	1,599	14,829	4,008	..	18,837
5.	Ganjam	26,078	2,114	1,048	661	521	489	4,612	22,688	3,597	14	26,299
6.	Kalahandi	10,242	1,161	975	991	906	763	2,460	9,075	3,463	40	12,578
7.	Keonjhar	8,636	631	342	337	291	260	998	4,656	4,832	1	9,499
8.	Koraput	11,285	1,307	779	453	297	207	5,309	4,320	4,371	328	9,019
9.	Mayurbhanj	3,994	613	427	194	118	55	1,777	3,010	614	..	3,624
10.	Phulbani	11,603	1,141	860	561	368	294	2,680	7,344	4,776	27	12,147
11.	Puri	17,940	1,303	796	362	174	130	1,171	17,306	2,228	..	19,534
12.	Sambalpur	18,327	2,747	1,915	1,340	816	550	2,149	16,994	6,550	2	23,546
13.	Sundargarh	9,918	1,576	1,074	957	528	423	2,089	5,812	6,572	3	12,387
STATE TOTAL		**1,77,195**	**19,379**	**12,611**	**8,554**	**5,529**	**3,972**	**29,832**	**1,30,083**	**66,693**	**632**	**1,97,408**

Sl. No.	Name of District	No. of Dugwells with Farmers holding size				No. of Wells Accd. to Category of Owners			
		0—1	1—2	Others	Total (14+15+16)	Sch. Caste	Sch. Tribe	Others	Total (18+19+20)
1	2	14	15	16	17	18	19	20	21
1.	Balasore	285	395	308	988	128	243	617	988
2.	Bolangir	9,253	12,795	23,523	45,571	3,234	11,366	30,971	45,571
3.	Cuttack	3,893	2,755	1,719	8,367	717	253	7,397	8,367
4.	Dhenkanal	4,767	7,449	8,220	20,436	1,323	1,570	17,543	20,436
5.	Ganjam	14,402	9,322	7,187	30,911	2,069	3,022	25,820	30,911
6.	Kalahandi	2,638	4,279	8,121	15,038	1,090	4,785	9,163	15,038
7.	Keonjhar	2,937	3,735	3,825	10,497	524	4,222	5,751	10,497
8.	Koraput	2,538	4,299	7,491	14,328	1,142	9,509	3,677	14,328
9.	Mayurbhanj	1,566	2,017	1,818	5,401	284	3,422	1,695	5,401
10.	Phulbani	2,737	3,767	8,323	14,827	1,407	5,755	7,665	14,827
11.	Puri	9,966	6,821	3,918	20,705	763	592	19,350	20,705
12.	Sambalpur	4,294	7,935	13,466	25,695	1,619	7,936	16,140	25,695
13.	Sundargarh	2,350	3,815	8,311	14,476	782	9,071	4,623	14,476
STATE TOTAL		**61,626**	**69,384**	**96,230**	**2,27,240**	**15,082**	**61,746**	**1,50,412**	**2,27,240**

MINOR IRRIGATION CENSUS IN ORISSA FOR 1986-87

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF ORISSA (DUGWELLS—*contd.*)

STATE : ORISSA

Sl No.	Name of District	Number of Dugwells with Lifting Devices					Culutrable Command Area (In Ha.)	Gross Irri. Pot. Created (In Ha.)
		Electric Pump	Diesel Pump	Man/Animal Power	Others	Total (22 to 25)		
1	2	22	23	24	25	26	27	28
1.	Balasore	30	18	648	292	988	426	581
2.	Bolangir	1,476	1,210	24,877	18,008	45,571	20,183	22,493
3.	Cuttack	268	242	7,743	114	8,367	3,435	5,093
4.	Dhenkanal	1,420	386	18,402	228	20,436	6,553	9,638
5.	Ganjam	2,011	347	28,552	1	30,911	8,366	9,819
6.	Kalahandi	331	405	14,302	..	15,038	7,526	10,147
7.	Keonjhar	123	10	10,232	132	10,497	2,205	2,569
8.	Koraput	135	107	14,077	9	14,328	5,742	6,621
9.	Mayurbhanj	254	265	4,868	14	5,401	2,344	3,495
10.	Phulbani	232	387	14,202	6	14,827	6,399	6,918
11.	Puri	495	229	17,907	2,074	20,705	6,570	9,418
12.	Sambalpur	958	965	23,772	..	25,695	9,969	13,459
13.	Sundargarh	859	655	10,771	2,191	14,476	5,037	6,312
	STATE TOTAL	8,592	5,226	1,90,353	23,069	2,27,240	84,755	1,06,563

Sl. No.	Name of District	Seasonwise Area irrigated by Dugwells (In Ha.)					Seasonwise Area irrigated by other sources (In Ha.)				
		Kharif	Rabi	Perennial	Others	Total (29 to 32)	Kharif	Rabi	Perennial	Others	Total (34 to 37)
1	2	29	30	31	32	33	34	35	36	37	38
1.	Balasore	179	145	2	1	327	21	1	..	..	22
2.	Bolangir	7,783	4,000	581	1,650	14,014	207	100	10	5	322
3.	Cuttack	1,873	1,079	112	101	3,165	2	7	1	1	11
4.	Dhenkanal	3,518	1,658	244	32	5,452	82	21	..	..	103
5.	Ganjam	3,387	3,921	389	1	7,698	1,176	76	11	..	1,263
6.	Kalahandi	2,334	1,241	387	18	3,980	141	7	8	..	156
7.	Keonjhar	1,361	404	9	..	1,774	8	..	..	..	8
8.	Koraput	1,763	862	25	28	2,678	33	11	1	2	47
9.	Mayurbhanj	806	457	9	1	1,273	20	17	..	..	37
10.	Phulbani	2,985	801	117	11	3,914	120	6	..	..	126
11.	Puri	3,753	2,340	81	27	6,201	124	55	1	1	181
12.	Sambalpur	5,514	3,145	340	23	9,022	188	99	4	1	292
13.	Sundargarh	1,706	1,839	36	1	3,582	24	40	4	..	68
	STATE TOTAL	36,962	21,892	2,332	1,894	63,080	2,146	440	40	10	2,636

MINOR IRRIGATION CENSUS IN PUNJAB FOR 1986-87

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF PUNJAB (DUGWELLS)

STATE : PUNJAB

Sl. No.	Name of District	Yearwise No. of Dugwells Commissioned during						No. of Wells not in use	Categorywise No. of Dugwells in use				No. of Dugwells with Farmers holding size				No. of Wells Accd. to Category of Owners			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Pucca	Kutcha	Dug-cum Br. Well	Total (10+11+12)	0—1	1—2	Others	Total (14+15+16)	Sch. Caste	Sch. tribe	Others	Total (18+19+20)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1.	Amritsar	..	—	..	..	..	..	1,045	..	..	—	—	..	—	..	..	..	..	..	..
2.	Bathinda	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Fardkot	..	..	..	..	..	..	1,345	..	..	..	..	..	..	..	..	..	..	..	..
4.	Feriozpur	—	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5.	Gurdaspur	..	..	..	..	..	1,273	146	1,253	2	18	1,273	61	240	972	1,273	77	..	1,196	1,273
6.	Hoshiarpur	..	..	..	..	..	1,587	1,660	469	8	1,110	1,587	193	483	911	1,587	57	..	1,530	1,587
7.	Jalandhar	..	..	..	..	..	554	4,449	318	..	236	554	165	152	237	554	34	..	520	554
8.	Kapurthala	..	..	..	..	..	255	426	29	..	226	255	20	90	145	255	6	..	249	255
9.	Ludhiana	..	..	..	..	..	4	2,324	4	..	..	4	1	1	2	4	..	..	4	4
10.	Patiala	..	..	..	..	..	477	1,057	477	..	..	477	58	39	380	477	97	..	380	477
11.	Ropar	..	..	..	..	..	4,513	1,700	2,597	5	283	2,885	1,813	924	148	2,885	..	..	2,885	2,885
12.	Sangrur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	STATE TOTAL	..	..	..	..	..	8,663	14,197	**5,147**	**15**	**1,873**	**7,035**	**2,311**	**1,929**	**2,795**	**7,035**	**271**	..	**6,764**	**7,035**

Sl. No.	Name of District	Number of Dugwells with Lifting Devices					Culturable Command Area crerted (In ha.)	Gross Irri. Pot. Kharf (in ha)	Seasonwise Area irrigated by Dugwells (in ha.)					Seasonwise Area irrigated by other Sources(In ha.)				
		Electric Pump	Diesel Pump	Mani Animal Pnwer	Others	Total (22 to 25			Kharif	Rabi	Perennial	Others	Total (29 to 32	Kharif	Rab	Perenntal	Others	Total (34 to 37)
1	2	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
1.	Amritsar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2.	Bathinda	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Faridkot	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4.	Ferozepur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5.	Gurdaspur	797	450	16	10	1,273	5,484	10,469	4,548	4,063	183	148	8,942	3,121	2,558	55	24	5,758
6.	Hoshiarpur	857	513	176	41	1,587	3,875	7,528	3,314	3,408	31	..	6,753	360	361	..	..	721
7.	Jalandhar	198	57	288	11	554	1,366	2,508	1,123	1,305	63	15	2,506	3	4	..	..	7
8.	Kapurthala	206	20	25	4	255	72	132	60	72	..	..	132	..	..	..	..	..
9.	Ludhiana	..	..	4	..	4	13	26	7	7	1	..	15	6	6	..	..	12
10.	Patiala	..	19	291	167	477	191	199	75	76	..	..	151	13	14	..	..	27
11.	Ropar	539	1,096	1,235	15	2,885	4,162	6,054	1,769	3,722	85	110	5,686	23	49	..	1	73
12.	Sangrur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	STATE TOTAL	**2,597**	**2,155**	**2,035**	**248**	**7,035**	**15,163**	**26,916**	**10,896**	**12,653**	**363**	**273**	**24,185**	**3,526**	**2,992**	**55**	**25**	**6,598**

MINOR IRRIGATION CENSUS IN TAMIL NADU FOR 1986-87

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF TAMIL NADU (DUGWELLS)

STATE : TAMIL NADU

Sl. No.	Name of District	Yearwise No. of Dugwells Commissoined during						No. of Wells not in use	Categorywise No. of Dugwells in use			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Pucca	Kutcha	Dug-cum-Br. Well	Total (10+11+12)
1	2	3	4	5	6	7	8	9	10	11	12	13
1.	Anna	77,967	1,692	1,908	1,253	700	602	7,829	42,638	33,612	43	76,293
2.	Chenglepet	67,403	3,951	1,872	1,392	1,664	1,731	10,084	50,206	9,297	8,426	67,929
3.	Coimbatore	94,164	408	938	1,082	875	512	19,974	32,895	42,363	2,747	78,005
4.	Dharmapuri	99,857	4,799	2,452	1,839	1,082	891	7,558	49,521	53,649	192	1,03,362
5.	Kamrajar	36,908	173	60	97	91	64	4,765	29,669	2,724	235	32,628
6.	Kanyakumari	1,711	22	20	31	25	17	89	1,680	42	15	1,737
7.	Madurai	64,626	3,896	814	1,510	500	568	8,436	511,15	11,409	954	63,478
8.	Nilgiris	291	25	26	17	24	44	9	342	76	..	418
9.	North Arcot	2,56,635	1,571	1,820	1,838	1,486	1408	18,828	1,77,682	65,308	2,940	2,45,930
10.	P. Muthuramalingam	13,127	404	356	272	834	227	1,256	12,833	1,112	19	13,964
11.	Periyar	1,02,512	1,472	1,373	1,233	598	583	7,386	69,481	30,459	445	1,00,385
12.	Pudukottai	45,453	1,351	961	756	968	425	3,627	35,947	10,184	156	46,287
13.	Ramanathapuram	3,447	332	186	130	77	46	28	4,126	57	7	4,190
14.	Salem	1 50,423	3,539	2,464	1,667	846	610	10,170	1,25,299	23,011	1,069	1,49,379
15.	South Arcot	1 31,609	7,406	2,981	1,835	1,106	985	7,598	1,08,120	28,906	1,298	1,38,324
16.	Thanjavur	9,787	906	467	542	317	146	595	9,408	1,766	396	11,570
17.	Tirinelveli	69,484	332	481	374	293	274	4,517	63,939	2,782	..	66,721
18.	Tiruchirapalli	1,48,261	1,351	1,131	1,030	831	760	27,613	55,031	69,434	1,286	1,25,751
19.	V.O. Chidambaranar	21,949	380	141	152	95	96	2,939	13,949	3,339	2,586	19,874
	STATE TOTAL	13,95,614	34,010	20,451	17,050	12,412	9,989	1,43,301	9,33,881	3,89,530	22,814	1,34,225

Sl. No.	Name of District	No. of Dugwells with Farmers holding size				No. of Wells Accd. to Category of Owners			
		0=1	1=2	Others	Total (14+15+16)	Sch. Caste	Sch. Tribe	Others	Total (18+19+0)
1	2	14	15	16	17	18	19	20	21
1.	Anna	27,712	26,926	29,484	84,122	4,380	10	79,732	84,122
2.	Chenglepet	36,633	19,723	21,657	78,013	9,662	113	68,238	78,013
3.	Coimbatore	18,943	28,250	50,786	97,979	739	39	97,201	97,979
4.	Dharmapuri	60,076	27,547	23,297	1,10,920	5,336	826	1,04,758	1,10,920
5.	Kamarajar	17,122	11,307	8,964	37,393	4,389	..	33,004	37,393
6.	Kannyakumari	892	454	480	1,826	18	..	1,808	1,826
7.	Madurai	31,208	20,713	19,993	71,914	4,381	..	67,533	71,914
8.	Nilgiris	114	60	253	427	13	8	406	427
9.	North Arcot	134,576	76,866	53,316	2,64,758	19,519	1,812	2,43,427	2,64,758
10.	P. Muthuramalingam	6,375	4,329	4,516	15,220	622	..	14,598	15,220
11.	Periyar	28,361	31,453	47,957	1,07,771	966	8	1,06,797	1,07,771
12.	Pudukottai	26,677	11,647	11,590	49,914	4,992	..	44,922	49,914
13.	Ramanathapuram	2,111	1,085	1,022	4,218	348	..	3,870	4,218
14.	Salem	84,366	43,221	31,962	1,59,549	6,144	14,578	1,38,827	1,59,549
15.	South Arcot	70,026	39,572	36,324	1,45,922	18,963	788	1,26,171	1,45,922
16.	Thanjavur	5,558	3,230	3,377	12,165	396	19	11,750	12,165
17.	Tirinelveli	27,014	19,765	24,459	71,238	8,870	13	62,355	71,238
18.	Tiruchirapalli	61,357	49933	42,074	1,53,364	12,775	356	1,40,233	1,53,364
19.	V. O. Chidambaranar	7,057	6,076	9,680	22,813	3,762	1	19,050	22,813
	STATE TOTAL	6,46,178	4,22,157	4,21,191	14,89,526	1,06,275	18,571	13,64,680	14,89,526

MINOR IRRIGATION CENSUS IN TAMIL NADU FOR 1986-87

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF TAMIL NADU (DUGWELLS).—*contd.*

STATE : TAMIL NADU

Sl. No.	Name of District	Number of Dugwells with Lifting Devices					Culturable Command Area(In Ha.)	Gross Irri. Pot. Created (In Ha.)
		Electric Pump	Diesel Pump	Man/Animal Power	Others	Total (22 to 25)		
1	2	22	23	24	25	26	27	28
1.	Anna	46,461	9,886	18,540	1,406	76,293	1,07,708	1,11,824
2.	Chiglepet	48,094	12,195	5,867	1,773	67,929	84,855	80,427
3.	Coimbatore	65,624	7,119	5,210	52	78,005	1 79 302	2,07,175
4.	Dharmapuri	31,720	17,941	48,644	5 057	1,03,362	98,079	92,167
5.	Kararajar	21,247	2,937	8,269	175	32,628	40,400	42,127
6.	Kanniyakumri	1,215	464	28	30	1,737	1,795	2,161
7.	Madurai	42,972	8,224	11,489	793	63,478	83,218	67,875
8.	Nilgiris	325	88	2	3	418	781	781
9.	North Arcot	1,31,843	32,138	56,220	25,729	2,45,930	2,53,927	2,69,337
10.	P. Muthuramalingam	7,452	2,445	3,449	618	13,964	13,395	13,387
11.	Periyar	65,343	26,882	7,908	252	1,00,385	1,59,112	1,55,465
12.	Pudukottai	15,570	5,423	24,887	407	46,287	31,422	34,853
13.	Ramanathapuram	2,958	778	417	37	4,190	4,993	4,918
14.	Salem	88,043	29,171	29,179	2,986	1,49,379	1,48,780	1,40,978
15.	South Arcot	53,341	49,805	26,468	8,710	1,38,324	1,31,529	1,38,603
16.	Thanjavur	2,976	3,169	5,329	96	11,570	6,210	10,715
17.	Tirinelveli	35,301	10,110	20,765	545	66,721	70,121	61,851
18.	Tiruchirapalli	47,819	23,807	52,131	1,994	1,25,751	1,53,387	1,70,757
19.	V. O. Chidambaranar	12,006	1,312	5,818	738	19,874	24,515	33,024
	STATE TOTAL	**7,20,310**	**2,43,894**	**3,30,620**	**51,401**	**13,46,225**	**15,93,529**	**16,38,425**

Sl. No.	Name of District	Seasonwise Area irrigated by Dugwells (In Ha.)					Seasonwise Area irrigated by other Sources (In Ha.)				
		Kharif	Rabi	Perennial	Others	Total (29 to 32)	Kharif	Rabi	Perennial	Others	Total (34 to 37)
1	2	29	30	31	32	33	34	35	36	37	38
1.	Anna	23,765	26,464	6,571	1,188	57,988	341	1,416	438	11	2,206
2.	Chinglepet	50,256	26,211	2,800	446	79,713	8,326	4,083	583	169	13,161
3.	Coimbatore	42,024	10,773	41,078	2,462	96,337	9,570	6,440	11,926	1,617	29,553
4.	Dharmapuri	45,652	21,660	10,757	1,805	79,874	2,367	2,945	992	217	6,521
5.	Kamarajar	8,501	16,866	1,608	2,153	29,128	39	137	1	..	177
6.	Kanniyakumari	32	114	1,417	1	1,564	..	..	..		..
7.	Madurai	19,035	17,145	18,213	4,155	58,548	1,718	6,180	883	166	8,947
8.	Nilgiris	11	15	162	592	780	..	..	..	..	..
9.	North Arcot	97,517	76,723	33,526	13,491	2,21,257	2,692	3,908	1,859	73	8,532
10.	P. Muthuramalingam	2,196	7,047	1,436	587	11,266	130	1,564	153	400	2,247
11.	Periyar	40,768	20,587	13,053	4,049	78,457	5,474	2,137	913	393	8,917
12.	Pudukottai	9,833	13,702	1,002	205	24,742	1,892	7,893	288	202	10,275
13.	Ramanathapuram	234	2,446	1,932	118	4,730	..	19	..	..	19
14.	Salem	52,614	31,149	12,423	3,716	99,902	503	1,362	244	57	2,166
15.	South Arcot	46,022	49,809	12,713	7,523	1,16,067	2,288	3,729	513	156	6,686
16.	Thanjavur	2,564	3,033	2,147	1,825	9,569	513	683	189	346	1,731
17.	Tirinelveli	18,734	26,246	3,931	1,957	50,868	1,502	1,634	331	47	3,514
18.	Tiruchirapalli	26,295	30,945	7,651	3,860	68,751	343	1,901	309	207	2,760
19.	V. O. Chidambaranar	2,899	7,400	2,948	228	13,475	3	32	24	..	59
	STATE TOTAL	**4,88,952**	**3,88,335**	**1,75,368**	**50,361**	**11,03,016**	**37,701**	**46,063**	**19,646**	**4,061**	**1,07,471**

MINOR IRRIGATION CENSUS IN TRIPURA FOR 1986-87

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF TRIPURA (DUGWELLS)

STATE : TRIPURA

Sl. No.	Name of District	Yearwise No. of Dugwells Commissioned during						No. of Wells not in use	Categorywise No. of Dugwells in use				No. of Dugwells with farmers holding size				No. of Wells Accd. to Category of Owners			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Pucca	Kutcha	Dug cum-Br. Well	Total (10+11+12)	1-0	1—2	Others	Total (14+15+16)	Sch. Caste	Sch. Tribe	Others	Total (18+19+20)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1.	North Tripura	45	18	5	6	12	8	16	38	40	..	78	61	28	5	94	13	17	64	94
2.	South Tripura		15	15	14	3	2	..	..	49	..	49	32	15	2	49	16	..	33	49
3.	West Tripura	515	76	39	49	45	89	107	131	573	2	706	515	210	88	813	150	376	287	813
	STATE TOTAL	560	109	59	69	60	99	123	169	662	2	833	608	253	95	956	179	393	384	956

MINOR IRRIGATION CENSUS IN TRIPURA FOR 1986-87

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF TRIPURA (DUGWELLS)—*Contd.*

STATE : TRIPURA

Sl. No.	Name of District	Number of Dugwells with Lifting Devices					Cultu-rable command Area (In Ha.)	Gross Irri. Pot. Created (In Ha.)	Seasonwise Area irrigated by Dugwells (In Ha.)					Seasonwise Area irrigated by other Sources(In Ha.)				
		Electric Pump	Diesel Pump	Man/ Animal Power	Others	Total (22 to 25)			Kharif	Rabi	Perennial	Others	Total (29 to 32)	Kharif	Rabi	Perennial	Others	Total (34 to 37)
1	2	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
1.	North Tripura	..	..	94	..	94	20	18	8	7	..	3	18	..	..	..	..	..
2.	South Tripura	..	..	49	..	49	2	2	..	2	..	..	2	..	..	..	..	..
3.	West Tripura	..	..	743	70	813	61	72	14	42	5	7	68	54	16	..	1	71
	STATE TOTAL	..	..	886	70	956	83	92	22	51	5	10	88	54	16	..	1	71

MINOR IRRIGATION CENSUS IN UTTAR PRADESH FOR 1986-87

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF UTTAR PRADESH (DUGWELLS)

STATE : UTTAR PRADESH

Sl. No.	Name of District	Yearwise No. of Dugwells Commissioned during						No. of Wells not in use	Categorywise No. of Dugwells in use				No. of Dugwells with Farmers Holding size				No. of Wells Accd. to Category of Owners			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Pucca	Kutcha	Dug-cum-Br. Well	Total (10+11+12)	0—1	1—2	Others	Total (14+15+16)	Sch. Caste	Sch. Tribe	Others	Total (18+19+20)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1.	Agra	..	..	..	..	..	..	10,125	1,564	8	67	1,639	285	496	858	1,639	133	2	1,504	1,639
2.	Aligarh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Allahabad	..	..	..	..	..	..	3,186	4,278	142	206	4,626	1,065	1,852	1,709	4,626	438	47	4,141	4,626
4.	Almora	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5.	Azamgarh	..	..	..	..	..	..	11,939	2,743	11	99	2,853	1,432	1,000	421	2,853	259	..	2,594	2,853
6.	Bahraich	..	..	..	..	..	..	1,691	2,139	94	580	2,813	1,336	802	675	2,813	239	16	2,558	2,813
7.	Ballia	..	..	..	..	..	..	6,317	638	1	30	669	201	262	206	669	21	..	648	669
8.	Banda	..	..	..	..	..	..	1,669	7,874	40	320	8,234	1,508	2,031	4,695	8,234	488	..	7,746	8,234
9.	Barabanki	..	..	..	..	..	..	5,335	5,158	50	927	6,135	2,961	1,027	1,347	5,335	926	..	5,209	6,135
10.	Bareilly	..	..	..	..	..	..	5,734	3,866	1	2,676	6,543	3,107	2,251	1,185	6,543	440	5	6,098	6,543
11.	Basti	..	..	..	..	..	..	9,328	11,335	289	592	12,216	7,535	3,419	1,262	12,216	808	..	11,408	12,216
12.	Bijnor	..	..	..	..	..	..	93	127	5	62	194	144	30	20	194	14	..	180	194
13.	Budaun	..	..	..	..	..	..	11,926	4,689	24	32,785	28,498	11,151	10,861	6,486	28,498	2,622	..	25,876	28,498
14.	Bulandshaher	..	..	..	..	..	..	6,064	401	..	2	403	133	36	134	303	23	1	372	396
15.	Chamoli	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16.	Dehradun	..	..	..	..	..	..	9	27	2	2	31	13	7	11	31	..	4	27	31
17.	Deoria	..	..	..	..	..	..	10,147	5,330	162	2,138	7,630	4,319	2,196	1,115	7,630	316	..	7,314	7,630
18.	Etah	..	..	..	..	..	..	16,535	2,978	..	11,957	14,935	5,878	5,559	3,498	14,935	1,443	..	13,492	14,935
19.	Etawah	..	..	..	..	..	..	6,500	5,832	..	915	6,747	1,902	2,784	2,061	6,747	1,202	..	5,545	6,747
20.	Faizabad	..	..	..	..	..	..	2,663	1,884	89	945	2,918	1,307	898	713	2,918	272	..	2,646	2,918
21.	Farrukhabad	..	..	..	..	..	..	1,932	2,914	..	982	3,896	1,919	1,456	521	3,896	541	..	3,355	3,896
22.	Fatehpur	..	..	..	..	..	..	2,278	5,628	54	58	5,740	2,348	2,047	1,345	5,740	595	2	5,143	5,740
23.	Ghaziabad	..	..	..	..	..	..	241	24	..	18	42	15	15	12	42	..	..	42	42
24.	Ghazipur	..	..	..	..	..	..	6,650	218	1	1,023	1,242	602	324	239	1,165	79	..	1,163	1,242
25.	Gonda	..	..	..	..	..	..	1,210	990	97	272	1,359	821	344	194	1,359	166	1	1,192	1,359
26.	Gorakhpur	..	..	..	..	..	..	6,573	5,218	154	252	5,624	3,000	1,854	564	5,418	469	6	4,941	5,416
27.	Hamirpur	..	..	..	..	..	..	2,898	9,958	192	1,142	11,292	2,170	2,821	6,301	11,292	1,124	1	10,067	11,192
28.	Hardoi	..	..	..	..	..	..	1,510	2,389	15	289	2,693	1,230	996	467	2,693	388	..	2,305	2,693
29.	Jalaun	..	..	..	..	..	..	3,623	1,900	7	1,826	3,733	1,092	817	1,824	3,733	399	..	3,334	3,733

30. Jaunpur	6,203	3,648	66	348	4,062	2,400	1,167	495	4,062	346	..	3,716	4,062
31. Jhansi	666	19,901	3,043	810	23,754	..	..	..	..	4,445	1	19,307	23,753
32. Kanpur Dehat	384	285	..	22	307	218	51	38	307	27	..	280	307
33. Kanpur Nagar	2,023	20	..	82	102	22	33	47	102	23	..	79	102
34. Kheri	54	16	..	3	19	9	6	4	19	4	..	15	19
35. Lalitpur	1,747	23,621	4,200	20	27,841	10,781	9,520	7,548	27,849	4,336	33	23,472	27,841
36. Lucknow	718	725	..	37	762	369	309	84	762	192	7	563	762
37. Mainpuri	2,831	771	162	124	1,057	169	272	616	1,057	30	..	1,027	1,057
38. Mathura	7,045	98	..	125	223	21	54	148	223	15	..	208	223
39. Meerut	923	101	..	..	101	25	41	35	101	3	..	98	101
40. Mirzapur	683	11,036	793	966	12,795	2,857	5,639	4,299	12,795	1,821	3	10,971	12,795
41. Moradabad	4,078	2,182	..	787	2,969	1,422	885	662	2,969	258	4	2,707	2,969
42. Muzaffarnagar	130	3	..	95	98	13	29	56	98	9	..	89	98
43. Nainital	6	10	..	2	12	5	5	2	12	4	1	7	12
44. Pauri Garhwal	..	..	..	..	..	..	..	..	..	..	..	..	..
45. Pilibhit	271	179	..	8	187	91	66	30	187	21	..	166	187
46. Pithoragarh	..	..	..	..	..	..	..	..	..	..	..	..	..
47. Pratapgarh	12,701	6,895	399	41	7,335	3,954	2,338	953	7,245	379	..	6,866	7,245
48. Rai Bareli	9,366	2,457	3	17	2,477	1,089	807	581	2,477	262	3	2,212	2,477
49. Rampur	3,011	3,029	3	345	3,377	1,772	1,143	462	3,377	435	43	2,899	3,377
50. Saharanpur	394	5	38	1	44	41	2	1	44	20	..	24	44
51. Shahjahanpur	3,768	5,094	7	228	5,329	2,194	1,987	1,148	5,329	444	3	4,882	5,329
52. Sitapur	811	721	8	50	779	362	265	152	779	178	4	597	779
53. Sultanpur	9,852	3,118	91	12	3,221	1,815	941	465	3,221	316	..	2,905	3,221
54. Tehri Garhwal	3	13	..	..	13	..	10	3	13	..	..	16	16
55. Unnao	4,587	2,840	152	49	3,041	2,588	360	93	3,041	1,296	..	1,745	3,041
56. Uttarkashi	..	..	..	..	..	..	..	..	..	..	..	..	..
57. Varanasi	6,566	2,078	11	1,484	3,573	1,469	1,205	889	3,563	288	..	3,285	3,573
STATE TOTAL	2,14,997	1,78,948	10,414	56,821	2,46,183	91,160	73,320	56,674	2,21,154	28,557	187	2,17,036	2,45,780

MINOR IRRIGATION CENSUS IN UTTAR PRADESH FOR 1986-87

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF UTTAR PRADESH (DUGWELLS)—*contd.*

STATE : UTTAR PRADESH

Sl. No.	Name of District	Number of Dugwells with Lifting Devices					Cultu-rable Com-mand (In ha.)	Gross Irri. Pot. Created (In ha.)	Seasonwise Area irrigated by Dugwells (In Ha.)					Seasonwise Area irrigated by other Sources(In Ha.)				
		Electric Pump	Diesel Pump	Man/ Animal Power	Others	Total (22 to 25)			Kharif	Rabi	Perennial	Others	Total (29 to 32)	Kharif	Rabi	Perennial	Others	Total (34 to 37)
1	2	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
1.	Agra	42	1,232	363	2	1,639	1,232	1,410	122	612	2	5	741	24	640	..	4	668
2.	Aligarh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Allahabad	63	1,575	2,961	27	4,626	7,074	14,424	2,506	4,126	57	123	6,812	1,095	1,207	72	53	2,427
4.	Almora	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5.	Azamgarh	5	4	2,844	..	2,853	4,070	4,527	1,188	1,831	210	125	3,354	576	517	405	230	1,728
6.	Bahraich	11	520	2,241	41	2,813	4,041	6,846	783	2,074	49	77	2,983	234	568	8	8	818
7.	Ballia	11	21	591	46	669	818	1,787	268	500	6	31	805	18	58		1	77
8.	Banda	314	2,932	3,225	1,763	8,234	11,986	12,887	1,442	8,104	86	48	9,680	1,118	3,447	21	28	4,614
9.	Barabanki	116	803	4,862	354	6,135	8,032	11,814	4,683	4,768	398	578	10,427	3,342	818	278	310	4,748
10.	Bareilly	11	3	6,521	8	6,543	11,382	14,700	4,887	4,539	308	295	10,029	2,488	1,316	62	99	3,965
11.	Basti	42	665	8,178	3,331	12,216	8,302	10,432	2,073	4,044	803	305	7,225	1,040	3,073	192	234	4,539
12.	Bijnor	..	..	194	..	194	253	411	248	142	9	11	410	..	..	..	..	..
13.	Budaun	..	22	28,468	8	28,498	35,213	45,678	14,042	21,366	801	974	37,183	669	662	43	6	1,380
14.	Bulandshahar	35	114	247	7	403	713	765	309	348	17	61	735	327	127	2	5	461
15.	Chamoli	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16.	Dehradun	7	23	1	..	31	42	51	13	10	5	3	31	..	..	..	..	..
17.	Deoria	27	869	6,686	48	7,630	5,557	6,144	1,222	1,994	270	129	3,615	..	..	..	..	..
18.	Etah	18	215	14,698	4	14,935	19,576	27,173	7,595	16,591	965	1,991	27,142	736	2,304	72	87	3,199
19.	Etawah	38	371	6,338	..	6,747	12,825	18,808	4,442	6,474	342	366	11,624	1,229	1,722	85	117	3,153
20.	Faizabad	373	100	2,179	266	2,918	2,496	3,714	987	1,365	111	188	2,651	803	1,243	289	66	2,401
21.	Farukhabad	5	11	3,861	19	3,896	4,376	5,876	1,653	3,993	132	98	5,876	72	121	12	9	214
22.	Fatehpur	46	869	4,516	309	5,740	6,097	6,150	1,010	3,043	184	119	4,356	1,172	2,278	128	201	3,779
23.	Ghahiabad	5	23	14	..	42	126	164	32	58	--	--	90	32	33	17	..	82
24.	Ghazipur	670	438	134	..	1,242	1,255	3,145	298	902	7	1	1,208	115	388	33	..	536
25.	Gonda	10	209	1,003	137	1,359	1375	1,448	244	886	11	40	1,181	3	385	4	3	395
26.	Gorakhpur	14	290	5,105	9	5,418	4,993	6,211	675	2,840	143	316	3,974	238	755	75	32	1,100
27.	Hamirpur	45	7,267	3,142	838	11,292	23,261	22,895	1,142	12,671	416	122	14,351	102	2,843	24	87	3,056
28.	Hardoi	..	119	2,569	5	2,693	3,723	3,368	419	2,108	60	53	2,640	212	684	21	26	943
29.	Jalaun	64	2,139	1,225	305	3,733	5,427	5,431	343	1,903	370	117	2,733	131	182	20	18	351

30. Jaunpur	242	356	3,446	18	4,062	2,493	2,869	579	905	139	85	1,708	600	444	229	37	1,310
31. Jhansi	526	10,025	10,260	2,943	23,754	24,525	27,612	4,861	18,197	212	101	23,371	530	740	..	..	1,270
32. Kanpur Dehat	10	28	219	50	307	307	307	27	208	4	..	239	11	22	..	..	33
33. Kanpur Nagar	24	46	32	..	102	12	85	6	56	7	6	75	26	13	22	12	73
34. Kheri	..	12	7	..	19	22	34	11	19	4	..	34	1	1	..	..	2
35. Lalitpur	100	6,829	18,948	1,964	27,841	41,485	42,375	2,653	34,741	303	524	38,221	10	4,423	4	19	4,456
36. Lucknow	260	502	..	..	762	780	815	147	504	23	47	721	126	210	..	..	336
37. Mainpuri	..	..	1,018	39	1,057	938	1,245	206	464	2	37	709	7	32	..	1	40
38. Mathura	97	119	7	..	223	417	506	21	85	2	..	108	44	47	6	8	105
39. Meerut	1	4	96	..	101	99	150	4	4	3	..	11	..	..	..	..	..
40. Mirzapur	349	5,470	4,922	2,054	12,795	20,600	23,242	9,460	13,288	333	161	23,242	2,164	2,884	37	21	5,106
41. Moradabad	3	33	1,465	1,468	2,969	2,591	3,083	986	1,106	208	138	2,438	805	821	..	..	1,626
42. Muzaffarnagar	..	..	98	..	98	161	211	78	75	31	27	211	..	..	..	..	..
43. Nainital	2	4	4	2	12	24	29	11	9	9	..	29	11	10	..	..	21
44. Pauri Garhwal	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
45. Pilibhit	..	..	187	..	187	172	192	76	87	17	2	182	25	24	..	..	49
46. Pithorgarh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
47. Pratapgarh	66	68	7,092	19	7,245	2,845	4,369	555	2,304	216	161	3,236	657	714	110	406	1,887
48. Rai Bareli	6	32	2,159	280	2,477	2,289	2,558	271	365	36	40	712	282	337	44	228	891
49. Rampur	3	17	3,350	7	3,377	4,433	7,081	2,826	2,463	128	263	5,680	669	662	43	6	1,380
50. Saharanpur	..	..	44	..	44	20	38	18	18	..	..	36	2	1	..	..	3
51. Shahjahanpur	..	7	5,220	102	5,329	8,289	10,115	3,419	4,842	226	129	8,616	1,022	2,526	121	44	3,713
52. Sitapur	1	49	431	298	779	1,294	785	225	432	73	54	784	95	169	18	25	307
53. Sultanpur	4	..	2,977	240	3,221	5,201	7,323	705	1,621	285	152	2,763	1,734	652	389	109	2,884
54. Tehri Garhwal	7	9	..	..	16	20	25	8	8	4	..	20	..	..	..	..	..
55. Unnao	..	37	2,589	415	3,041	3,286	3,366	377	647	94	110	1,228	87	933	140	116	1,276
56. Uttarkashi	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
57. Varanasi	953	1,727	652	241	3,573	2,576	3,076	884	311	92	..	1,287	615	725	..	..	1,340
STATE TOTAL	4,626	46,208	1,77,389	17,667	2,45,890	3,09,124	3,77,750	81,040	1,90,051	8,213	8,213	2,87,517	25,299	41,761	3,026	2,656	72,742

MINOR IRRIGATION CENSUS IN WEST BENGAL FOR 1986-87

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF WEST BENGAL (DUGWELLS)

STATE : WEST BENGAL

Sl. No.	Name of District	Yearwise No. of Dugwells Commissioned during						No. of Wells not in use	Categorywise No. of Dugwells in use				No. of Dugwells with Farmers holding size				No. of Wells Accd. to Category of Owners			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Pucca	Kutcha	Dug-cum Br. Well	Total (10+11+12)	0—1	1—2	Others	Total (14+15+16)	Sch. Caste	Sch. Tribe	Others	Total (18+19+20)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1.	Bankura	..	..	..	..	..	..	631	4,707	3,310	36	8,053	4,517	2,753	1,414	8,684	1,351	1,367	5,966	8,684
2.	Birbhum	..	..	..	..	..	..	245	611	101	1	713	404	360	194	958	169	133	656	958
3.	Burdwan	..	..	..	..	..	..	120	297	84	10	391	297	109	105	511	48	209	254	511
4.	Cooch Behar	..	..	..	..	..	..	64	162	3,599	2	3,763	1,719	1,255	853	3,827	3,169	37	621	3,827
5.	Darjeeling	..	..	..	..	..	..	72	231	..	..	231	182	97	24	303	130	107	66	303
6.	Hooghly	..	..	..	..	..	..	40	2	52	5	59	59	16	24	99	14	..	85	99
7.	Howrah	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8.	Jalpaiguri	..	..	..	..	..	..	114	1,092	275	3	1,370	885	375	224	1,484	648	272	564	1,484
9.	Malda	..	..	..	..	..	..	..	..	6	..	6	2	2	2	6	3	..	3	6
10.	Midnapore	..	..	..	..	..	..	1,199	7,075	19,177	76	26,328	17,587	6,835	3,105	27,527	3,965	4,815	18,747	27,527
11.	Murshidabad	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
12.	Nadia	..	..	..	..	..	..	1	..	..	..	..	..	..	1	1	..	..	1	1
13.	North 24-Parganas	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14.	Purulia	..	..	..	..	..	..	303	13,610	4,671	9	18,290	7,719	6,651	4,223	18,593	1,777	2,331	14,485	18,593
15.	South 24-Parganas	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16.	West Dinajpur	..	..	..	..	..	..	13	12	1,364	5	1,381	937	367	90	1,394	365	449	580	1,394
	STATE TOTAL	..	..	..	..	..	..	2,802	27,799	32,639	147	60,585	34,308	18,820	10,259	63,387	11,639	9,720	42,028	63,387

MINOR IRRIGATION CENSUS IN WEST BENGAL FOR 1986-87

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF WEST BENGAL (DUGWELLS)—*contd.*

STATE : WEST BENGAL

Sl. No.	Name of District	Number of Dugwells with Lifting Devices					Cultu-rable Com-mand Area (in ha.)	Gross Irri. Pot. Created (in ha.)	Seasonwise Area Irrigated by Dugwells (in ha.)					Seasonwise Area irrigated by other Sources (in ha.)				
		Electric Pump	Diesel Pump	Man/ Animal Power	Others	Total (22 to 25)			Kharif	Rabi	Perennial	Others	Total (29 to 32)	Kharif	Rabi	Perennial	Others	Total (34 to 37)
1	2	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
1.	Bankura	15	2,250	6,276	143	8,684	6,244	8,609	2,132	2,753	286	635	5,806	1,545	526	10	179	2,260
2.	Birbhum	2	414	542	..	958	989	1,146	327	350	25	81	783	62	24	2	8	96
3.	Burdwan	..	124	277	110	511	650	778	224	170	16	33	443	76	34	1	2	113
4.	Cooch Behar	..	15	3,759	53	3,827	1,778	1,786	20	1,678	3	5	1,706	..	1	..	..	1
5.	Darjeeling	..	38	265	..	303	288	321	14	44	18	25	101	29	2	..	2	33
6.	Hooghly	..	19	73	7	99	53	62	9	19	1	..	29	..	..	..	..	..
7.	Howrah	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8.	Jalpaiguri	..	577	907	1	1,485	3,246	3,405	607	771	708	197	2,283	929	72	10	68	1,079
9.	Malda	..	..	6	..	6	3	7	1	3	..	..	4	..	..	..	..	..
10.	Midnapore	21	7,034	18,340	2,132	27,527	13,273	20,352	4,694	8,531	321	2,122	15,668	2,345	263	7	83	2,698
11.	Murshidabad	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
12.	Nadia	..	..	1	..	1	3	3	..	..	..	..	..	..	..	..	..	..
13.	North 24-Parganas	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14.	Purulia	55	379	18,153	6	18,593	5,015	7,068	1,463	2,865	81	604	5,013	197	57	2	1	257
15.	South 24-Parganas	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16.	West Dinapur	..	7	1,387	..	1,394	442	517	32	188	1	42	263	..	..	..	..	..
	STATE TOTAL	93	10,857	49,986	2,452	63,388	31,984	44,054	9,523	17,372	1,460	3,744	32,099	5,183	979	32	343	6,537

MINOR IRRIGATION CENSUS IN CHANDIGARH (UT) FOR 1986-87

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF CHANDIGARH (UT) (DUGWELLS)

STATE : CHANDIGARH (UT)

Sl. No.	Name of District	Yearwise No. of Dugwells Commissioned during						No. of Wells not in use	Categorywise No. of Dugwells in use				No. of Dugwells with Farmers holding size				No. of Wells Accd. to Category of Owners			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Pucca	Kutcha	Dug-cum Br. Well	Total (10+11+12)	0—1	1—2	Others	Total (14+15+16)	Sch. Caste	Sch. Tribe	Others	Total (18+19+20)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1.	Chandigarh	28	..	..	..	..	..	25	3	..	..	3	3	..	1	4	..	..	28	28
STATE TOTAL		**28**	..	..	..	..	..	**25**	**3**	..	..	3	**3**	..	**1**	**4**	..	..	**28**	**28**

Sl. No.	Name of District	Number of Dugwells with lifting devices					Cultur-able Com-mand Area (in ha.)	Gross Irri. Pot. Created (In ha.)	Seasonwise Area irrigated by Dugwells (in ha.)					Seasonwise Area irrigated by other Sources (in ha.)				
		Electric Pump	Diesel Pump	Man/ Animal Power	Others	Total (22 to 25)			Kharif	Rabi	Perennial	Others	Total (29 to 32)	Kharif	Rabi	Perennial	Others	Total (34 to 37)
1	2	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
1.	Chandigarh	..	..	28	..	28	69	154	6	6	3	3	18	..	..	..	..	..
STATE TOTAL		..	..	**28**	..	**28**	**69**	**154**	**6**	**6**	**3**	**3**	**18**	..	..	..	..	..

MINOR IRRIGATION CENSUS IN DADRA NAGAR HAVELI FOR 1986-87

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF DADRA NAGAR HAVELI (DUGWELLS)

STATE : DADRA NAGAR HAVELI

Sl. No.	Name of District	Yearwise No. of Dugwells Commissioned during						No. of Wells not in use	Categorywise No. of Dugwells in use				No. of Dugwells with Farmers holding size				No. of Wells Accd. to Category of Owners			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Pucca	Kutcha	Dug-cum Br. Well	Total (10+11+12)	0—1	1—2	Others	Total (14+15+16)	Sch. Caste	Sch. Tribe	Others	Total (18+19+20)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1.	Dadra Nagar Haveli	..	..	..	..	..	..	31	192	6	2	200	25	40	166	231	2	105	124	231
	STATE TOTAL	..	..	..	..	..	..	**31**	**192**	**6**	**2**	**200**	**25**	**40**	**166**	**231**	**2**	**105**	**124**	**231**

Sl. No.	Name of District	Number of Dugwells with Lifting Devices					Cultur-able Com-mand Area (In ha.)	Gross Irri. Pot. Created (In ha.)	Seasonwise Area irrigated by Dugwells (In ha.)					Seasonwise Area irrigated by other Sources (In ha.)				
		Electric Pump	Diesel Pump	Man/ Animal Power	Others	Total (22 to 25)			Kharif	Rabi	Perennial	Others	Total (29 to 32)	Kharif	Rabi	Perennial	Others	Total (34 to 37)
1	2	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
1	Dadra Nagar Haveli	179	16	10	1	206	523	636	189	127	196	2	514	9	4	16	..	29
	STATE TOTAL	**179**	**16**	**10**	**1**	**206**	**523**	**636**	**189**	**127**	**196**	**2**	**514**	**9**	**4**	**16**	..	**29**

MINOR IRRIGATION CENSUS IN DAMAN & DIU(UT) FOR 1986-87

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF DAMAN & DIU (UT) (DUGWELLS)

STAT E: DAMAN & DIU(UT)

Sl. No.	Name of District	Yearwise No. of Dugwells Commissioned during						No. of Wells not in use	Categorywise No. of Dugwells in use				No. of Dugwells with Farmers holding size				No. of Wells Accd. to Category of Owners			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Pucca	Kutcha	Dug-cum Br. Well	Total (10+11+12)	0—1	1—2	Others	Total (14+15+16)	Sch. Caste	Sch. Tribe	Others	Total (18+19+20)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1.	Daman	..	..	..	..	..	..	42	308	4	1	313	..	..	..	..	5	23	335	363
2.	Diu	..	..	..	..	..	..	40	404	24	..	428	..	..	..	..	..	..	468	468
	STATE TOTAL	..	..	..	..	..	..	82	**712**	**28**	**1**	**741**	..	..	..	..	**5**	**23**	**803**	**831**

Sl. No.	Name of District	Number of Dugwells with Lifting Devices					Cultu-rable Com. Area (in ha.)	Gross Irri. Pot. Created (in ha.)	Seasonwise Area irrigated by Dugwells (in aa.)					Seasonwise Area irrigated by other Sources (in ha.)				
		Electric Pump	Diesel Pump	Man/ Animal Power	Others	Total (22 to 25)			Kharif	Rabi	Perennial	Others	Total (29 to 32)	Kharif	Rabi	Perennial	Others	Total (34 to 37)
1	2	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
1.	Daman	276	38	12	37	363	419	452	86	73	81	..	240	..	..	..	..	..
2.	Diu	271	169	59	19	518	288	287	178	44	46	5	273	..	..	..	..	..
	STATE TOTAL	**547**	**207**	**71**	**56**	**881**	**707**	**739**	**264**	**117**	**127**	**5**	**513**	..	..	..	..	..

MINOR IRRIGATION CENSUS IN PONDICHERRY FOR 1986-87

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF PONDICHERRY /(DUGWELLS)

STATE : PONDICHERRY

Sl. No.	Name of District	Yearwise No. of Dugwells Commissioned during						No. of Wells not in use	Categorywise No. of Dugwells in use				No. of Dugwells with Farmers holding size				No. of Wells Accd. to category of Owners			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Pucca	Kutcha	Dug-cum Br. Well	Total (10+11+12)	0—1	1—2	Others	Total (14+15+16)	Sch. Caste	Sch. Tribe	Others	Total (18+19+20)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1.	Pondicherry	3,872	905	195	78	85	101	224	324	3	4,685	5,012	2,231	1,514	1,491	5,236	159	..	5,077	5,236
	STATE TOTAL	**3,872**	**905**	**195**	**78**	**85**	**101**	**224**	**324**	**3**	**4,685**	**5,012**	**2,231**	**1,514**	**1,491**	**5,236**	**159**	**..**	**5,077**	**5,236**

Sl. No.	Name of District	Number of Dugwells with Lifting Devices					Cultu-rable Com-mand (In ha.)	Gross Irri. Pot. Created (In ha.)	Seasonwise Area Irrigated by Dugwells (In ha.)					Seasonwise Area irrigated by other Sources (In ha.)				
		Electric Pump	Diesel Pump	Man/ Animal Power	Others	Total (22 to 25)			Kharif	Rabi	Perennial	Others	Total (29 to 32)	Kharif	Rabi	Perennial	Others	Total (34 to 37)
1	2	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
1.	Pondicherry	5,211	25	..	..	5,236	8,092	11,973	4,537	4,309	2,378	498	11,722	523	22	72	14	631
	STATE TOTAL	**5,211**	**25**	**..**	**..**	**5,236**	**8,092**	**11,973**	**4,537**	**4,309**	**2,368**	**498**	**11,722**	**523**	**22**	**72**	**14**	**631**

MINOR IRRIGATION CENSUS IN ANDHRA PRADESH FOR 1986-87

SCHEDULE B-2 DISTRICT LEVEL ABSTRACT OF ANDHRA PRADESH (SHALLOW TUBE WELLS)

TATE : ANDHRA PRADESH

Sl. No.	Name of District	Yearwise No. of Shallow tube wells commissioned During						No. of wells not in use	No. of shallow tube wells in use with lifting devices					No. of tube wells in use according to land holding size (IN HA.)					
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Electric Pump	Diesel Pump	Manual Lift	Other Devices	Total (10 to 13)	0-1	1-2	2-4	4-6	>6	Total (15 to 19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Adilabad	86	92	117	168	139	109	48	635	36	..	4	675	111	259	..	..	341	711
2.	Anantapur	892	515	681	619	466	314	320	3,075	83	..	9	3,167	804	1,091	..	..	1,624	3,519
3.	Chittoor.	1,032	271	266	299	342	100	100	2,032	178	..	..	2,210	854	1,087	..	..	750	2,691
4.	Cuddapah	3,053	912	857	912	505	276	276	5,956	162	..	121	6,239	1,669	2,533	..	..	2,313	6,515
5.	East Godavari	10,267	1,120	893	847	840	229	281	8,062	5,827	..	146	14,035	3,210	4,751	..	..	6,143	14,104
6.	Guntur	7,241	517	425	406	225	114	101	8,188	633	..	6	8,827	3,266	3,805	..	..	1,857	8,928
7.	Hyderabad	2	2	..	..	..	..	..	4	..	..	..	4	..	..	..	..	4	4
8.	Karimnagar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9.	Khamniam	718	96	121	87	90	68	20	710	442	..	8	1,160	472	619	..	..	528	1,619
10.	Krishna	5,516	748	521	397	228	101	127	6,630	729	..	25	7,384	2,565	2,530	..	..	3,354	8,449
11.	Kurnool.	148	114	111	121	244	128	52	597	56	..	170	823	208	275	..	..	670	1,153
12.	Mahbubnagar.	578	415	524	577	418	166	110	1,989	522	..	57	2,568	927	1,155	..	..	1,335	3,417
13.	Medak	291	237	374	448	409	271	66	1,948	5	..	11	1,964	298	681	..	..	1,051	2,030
14.	Nalgonda	181	128	145	237	342	81	54	1,061	1	..	..	1,062	646	724	..	..	593	1,963
15.	Nellore	13,966	2,852	2,178	1,916	844	432	88	21,594	512	..	1	22,107	6,908	9,123	..	..	7,109	23,140
16.	Nizamabad	1,311	771	1,244	1,870	1,788	1,014	86	7,099	96	..	1,282	8,477	1,627	3,377	..	..	3,209	8,213
17.	Prakasam	588	187	173	398	197	92	76	1,042	504	..	13	1,559	654	978	..	..	1,006	2,638
18.	Ranga Reddy	587	262	422	286	210	81	101	1,706	2	..	39	1,747	478	594	..	..	1,210	2,282
19.	Srikakulam	1,959	436	545	589	542	113	27	3,706	425	..	26	4,157	1,212	1,890	..	..	1,493	4,595
20.	Visakhapatanam	1,988	487	117	300	157	94	52	3,004	361	..	26	3,391	1,361	1,738	..	..	959	4,058
21.	Vizianagaram	1,020	273	344	181	179	91	92	1,761	229	..	6	1,996	619	1,135	..	..	1,018	2,772
22.	Warangal	663	228	237	189	124	86	26	1,358	138	..	5	1,501	378	633	..	..	549	1,560
23.	West Godavari	10,453	1,011	691	690	491	294	268	8,017	4,890	..	455	13,362	4,136	4,984	..	..	6,982	16,102
	STATE TOTAL	62,540	11,674	10,986	11,537	8,780	4,254	2,371	90,174	15,831	..	2,410	1,08,415	32,403	43,962	..	..	44,098	1,20,463

MINOR IRRIGATION CENSUS IN PONDICHERRY FOR 1986-87

SCHEDULE B-1 DISTRICT LEVEL ABSTRACT OF PONDICHERRY /(DUGWELLS)

STATE : PONDICHERRY

Sl. No.	Name of District	Yearwise No. of Dugwells Commissioned during						No. of Wells not in use	Categorywise No. of Dugwells in use				No. of Dugwells with Farmers holding size				No. of Wells Accd. to Owners			category of
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Pucca	Kutcha	Dug-cum Br. Well	Total (10+11+12)	0—1	1—2	Others	Total (14+15+16)	Sch. Caste	Sch. Tribe	Others	Total (18+19+20)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1. Pondicherry		3,872	905	195	78	85	101	224	324	3	4,685	5,012	2,231	1,514	1,491	5,236	159	..	5,077	5,236
STATE TOTAL		**3,872**	**905**	**195**	**78**	**85**	**101**	**224**	**324**	**3**	**4,685**	**5,012**	**2,231**	**1,514**	**1,491**	**5,236**	**159**	**..**	**5,077**	**5,236**

Sl. No.	Name of District	Number of Dugwells with Lifting Devices					Cultu-rable Com-mand (In ha.)	Gross Irri. Pot. Created (In ha.)	Seasonwise Area Irrigated by Dugwells (In ha.)					Seasonwise Area irrigated by other Sources (In ha.)				
		Electric Pump	Diesel Pump	Man/ Animal Power	Others	Total (22 to 25)			Kharif	Rabi	Perennial	Others	Total (29 to 32)	Kharif	Rabi	Perennial	Others	Total (34 to 37)
1	2	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
1. Pondicherry		5,211	25	..	..	5,236	8,092	11,973	4,537	4,309	2,378	498	11,722	523	22	72	14	631
STATE TOTAL		**5,211**	**25**	**..**	**..**	**5,236**	**8,092**	**11,973**	**4,537**	**4,309**	**2,368**	**498**	**11,722**	**523**	**22**	**72**	**14**	**631**

MINOR IRRIGATION CENSUS IN ANDHRA PRADESH FOR 1986-87

SCHEDULE B-2 DISTRICT LEVEL ABSTRACT OF ANDHRA PRADESH (SHALLOW TUBE WELLS)

TATE : ANDHRA PRADESH

Sl. No.	Name of District	Yearwise No. of Shallow tube wells commissioned During						No. of wells not in use	No. of shallow tube wells in use with lifting devices					No. of tube wells in use according to land holding size (IN HA.)					
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Electric Pump	Diesel Pump	Manual Lift	Other Devices	Total (10 to 13)	0-1	1-2	2-4	4-6	>6	Total (15 to 19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Adilabad	86	92	117	168	139	109	48	635	36	..	4	675	111	259	..	..	341	711
2.	Anantapur	892	515	681	619	466	314	320	3,075	83	..	9	3,167	804	1,091	..	..	1,624	3,519
3.	Chittoor.	1,032	271	266	299	342	100	100	2,032	178	..	..	2,210	854	1,087	..	..	750	2,691
4.	Cuddapah	3,053	912	857	912	505	276	276	5,956	162	..	121	6,239	1,669	2,533	..	..	2,313	6,515
5.	East Godavari	10,267	1,120	893	847	840	229	281	8,062	5,827	..	146	14,035	3,210	4,751	..	..	6,143	14,104
6.	Guntur	7,241	517	425	406	225	114	101	8,188	633	..	6	8,827	3,266	3,805	..	..	1,857	8,928
7.	Hyderabad	2	2	..	..	..	..	..	4	..	..	..	4	..	..	..	..	4	4
8.	Karimnagar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9.	Khammam	718	96	121	87	90	68	20	710	442	..	8	1,160	472	619	..	..	528	1,619
10.	Krishna	5,516	748	521	397	228	101	127	6,630	729	..	25	7,384	2,565	2,530	..	..	3,354	8,449
11.	Kurnool.	148	114	111	121	244	128	52	597	56	..	170	823	208	275	..	..	670	1,153
12.	Mahbubnagar.	578	415	524	577	418	166	110	1,989	522	..	57	2,568	927	1,155	..	..	1,335	3,417
13.	Medak	291	237	374	448	409	271	66	1,948	5	..	11	1,964	298	681	..	..	1,051	2,030
14.	Nalgonda	181	128	145	237	342	81	54	1,061	1	..	..	1,062	646	724	..	..	593	1,963
15.	Nellore	13,966	2,852	2,178	1,916	844	432	88	21,594	512	..	1	22,107	6,908	9,123	..	..	7,109	23,140
16.	Nizamabad	1,311	771	1,244	1,870	1,788	1,014	86	7,099	96	..	1,282	8,477	1,627	3,377	..	..	3,209	8,213
17.	Prakasam	588	187	173	398	197	92	76	1,042	504	..	13	1,559	654	978	..	..	1,006	2,638
18.	Ranga Reddy	587	262	422	286	210	81	101	1,706	2	..	39	1,747	478	594	..	..	1,210	2,282
19.	Srikakulam	1,959	436	545	589	542	113	27	3,706	425	..	26	4,157	1,212	1,890	..	..	1,493	4,595
20.	Visakhapatanam	1,988	487	117	300	157	94	52	3,004	361	..	26	3,391	1,361	1,738	..	..	959	4,058
21.	Vizianagaram	1,020	273	344	181	179	91	92	1,761	229	..	6	1,996	619	1,135	..	..	1,018	2,772
22.	Warangal	663	228	237	189	124	86	26	1,358	138	..	5	1,501	378	633	..	..	549	1,560
23.	West Godavari	10,453	1,011	691	690	491	294	268	8,017	4,890	..	455	13,362	4,136	4,984	..	..	6,982	16,102
	STATE TOTAL	**62,540**	**11,674**	**10,986**	**11,537**	**8,780**	**4,254**	**2,371**	**90,174**	**15,831**	**..**	**2,410**	**1,08,415**	**32,403**	**43,962**	**..**	**..**	**44,098**	**1,20,463**

SCHEDULE B-2 DISTRICT LEVEL ABSTRACT OF ANDHRA PRADESH (SHALLOW TUBE WELLS)—*contd.*

STATE : ANDHRA PRADESH

Sl. No.	Name of District	No. of wells according to category of owners				Average hours of command Per day	Culturable Irri.Pot.		Seasonwise area irrigated by tube wells (IN HA.)					Seasonwise area irrigated by other sources (IN HA.)				
		Sch. caste	Sch. Tribe	Others	Total (22 to 23)	Elec. Avbl.	Area (IN HA.)	Creatrd (IN HA.)	Kharif	Rabi	Perennial	Others	Total (28 to 31)	Kharif	Rabi	Perennial	Others	Total (33 to 36)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
1.	Adilabad	46	41	624	711	4	1,340	1,063	841	144	23	..	1,008	..	..	..	..	..
2.	Anantapur	319	97	3,103	3,519	5	7,628	9,498	5,452	3,048	782	2	9,284	..	..	..	..	..
3.	Chittoor	542	11	2,138	2,691	8	4,672	6,145	2,415	2,904	121	187	5,627	..	..	..	..	..
4.	Cuddapah	477	56	5,982	6,515	6	14,804	15,735	8,826	3,979	1,060	129	13,994	..	..	..	..	..
5.	East Godavari	509	129	13,466	14,104	8	35,673	44,234	23,167	7,281	6,077	1,642	38,167	..	..	..	..	..
6.	Guntur	383	56	8,489	8,928	7	12,728	14,773	8,045	1,504	4,282	71	13,902	..	..	..	..	..
7.	Hyderabad	..	..	4	4	6	17	34	17	16	..	..	33	..	..	..	..	..
8.	Karimnagar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9.	Khammam	452	132	1,035	1,619	6	2,838	2,739	1,984	673	44	..	2,701	..	..	..	..	..
10.	Krishna	1,083	29	7,337	8,449	7	15,385	14,721	6,899	805	1,177	5,582	14,463	..	..	..	..	..
11.	Kurnool	82	9	1,062	1,153	7	3,050	4,816	2,240	1,957	33	..	4,230	..	..	..	..	..
12.	Mahbubnagar	546	38	2,833	3,417	5	5,474	7,334	3,261	2,126	65	5	5,457	..	..	..	..	..
13.	Medak	168	87	1,775	2,030	7	5,209	6,117	3,296	1,869	106	650	5,921	..	..	..	..	..
14.	Nalgonda	496	43	1,424	1,963	7	1,777	2,009	1,053	890	14	..	1,957	..	..	..	..	..
15.	Nellore	2,586	604	19,950	23,140	8	38,125	55,166	22,636	30,403	1,465	484	54,988	..	..	..	..	..
16.	Nizamabad	690	147	7,376	8,213	7	15,627	22,717	10,333	9,530	789	153	20,805	..	..	..	..	..
17.	Prakasam	233	124	2,281	2,638	7	4,657	4,741	2,186	1,859	457	55	4,557	..	..	..	..	..
18.	Ranga Reddy	391	120	1,771	2,282	9	4,293	4,403	1,936	1,305	642	56	3,939	..	..	..	..	..
19.	Srikakulam	716	22	3,857	4,595	5	6,431	9,623	4,841	4,124	368	180	9,513	..	..	..	..	..
20.	Visakhapatanam	51	38	3,969	4,058	6	5,828	6,747	2,992	1,690	97	1,917	6,696	..	..	..	..	..
21.	Vizianagaram	216	84	2,472	2,772	7	3,596	4,138	988	2,255	1	771	4,015	..	..	..	..	..
22.	Warangal	207	116	1,237	1,560	7	3,214	3,962	2,147	1,627	38	10	3,822	..	..	..	..	..
23.	West Godavari	1,510	551	14,041	16,102	10	36,561	44,742	16,238	15,771	2,604	4,861	39,474	..	..	..	..	..
	STATE TOTAL	**11,703**	**2,534**	**1,06,226**	**1,20,463**	**6**	**2,28,927**	**2,85,457**	**1,31,793**	**95,760**	**20,245**	**16,755**	**2,64,553**	..	..	..	..	..

MINOR IRRIGATION CENSUS IN ASSAM FOR 1986-87

SCHEDULE B-2 DISTRICT LEVEL ABSTRACT OF ASSAM (SHALLOW TUBE WELLS)

STATE : ASSAM

Sl. No.	Name of District	Yearwise No. of shallow tube wells Commissioned During						No. of wells not in Use	No. of shallow Tube wells in use with lifting devices					No. of tube wells in use according to and holding size (in ha.)					
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Electric Pump	Diesel Pump	Manual Lift	Other Devices	Total (10-13)	0—1	1—2	2—4	4—6	>6	Total (15-19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Barpeta	224	180	193	312	164	250	305	188	832	..	..	1,020	489	443	268	98	27	1,325
2.	Cachar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Debrugarh	296	224	389	410	452	816	358	46	2,183	..	..	2,229	1,244	825	196	16	306	2,587
4.	Dhubri	260	173	204	240	252	535	138	6	1,520	..	..	1,526	261	643	506	170	84	1,664
5.	Goalpara	62	56	64	107	194	239	62	4	656	..	..	660	99	259	342	18	4	722
6.	Goalghat	48	115	159	122	111	123	9	..	669	..	..	669	270	268	99	..	41	678
7.	Kamrup	140	107	53	122	96	473	74	11	905	1	..	917	242	442	234	35	38	991
8.	Karbi Anglong	17	11	..	3	14	19	..	5	62	..	..	67	3	8	23	30	3	67
9.	Karimganj	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10.	Kokrajhar	..	57	129	162	190	226	8	3	753	..	..	756	595	169	..	..	..	764
11.	Lakhimpur	469	71	89	58	105	223	213	2	800	..	..	802	388	342	182	60	43	1,015
12.	N.C. Hills	...	..	..	...	...	...	..	..	..	..	..	..	..	..	..	..	..	..
13.	Nagaon	283	315	148	257	304	667	216	176	1,582	..	..	1,758	445	1,031	420	47	31	1,974
14.	Nalbari	156	113	121	127	129	270	142	75	699	..	..	774	165	267	316	27	141	916
15.	Sibsagar	20	81	208	217	208	495	1	15	1,215	..	..	1,230	1,124	67	31	8	..	1,230
16.	Sonitpur	105	167	203	237	356	538	97	104	1,403	..	2	1,509	633	515	198	12	248	1,606
	STATE TOTAL.	**2,080**	**1,670**	**1,960**	**2,374**	**2,575**	**4,874**	**1,623**	**635**	**13,279**	**1**	**2**	**13,917**	**5,958**	**5,279**	**2,815**	**521**	**966**	**15,539**

MINOR IRRIGATION CENSUS IN ASSAM FOR 1986-87

SCHEDULE B-2 DISTRICT LEVEL ABSTRACT OF ASSAM (SHALLOW TUBE WELLS—*(contd.)*

STATE : ASSAM

Sl. No.	Name of District	No. of wells According to category of owners				Average hours of Elec. avbl. per day	Culturable command Area (in ha.)	Gross Irri. pot. created (in ha.)	Seasonwise area irrigated by Tube wells (in ha.)					Seasonwise area irrigated by other sources (in ha.)				
		Sch. caste	Sch. Tribe	Others	Total				Kharif	Rabi	Perennial	Others	Total (28 to 31)	Kharif	Rabi	Perennial	Others	Total (33 to 36)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
1.	Barpeta	80	202	1,043	1,325	..	1,951	1,987	867	326	49	139	1,381	..	..	..	..	..
2.	Cachar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Dibrugarh	241	455	1,891	2,587	..	7,074	8,432	2,527	1,276	319	56	4,178	..	..	..	..	..
4.	Dhubri	34	55	1,575	1,664	..	4,250	4,507	1,461	754	12	91	2,318	..	..	..	..	..
5.	Goalpara	37	107	578	722	..	1,554	1,601	798	574	53	17	1,442	..	..	..	..	..
6.	Golaghat	29	96	553	678	..	1,844	2,659	980	427	5	145	1,557	..	..	..	..	..
7.	Kamrup	15	19	957	991	..	1,649	1,743	962	137	15	32	1,146	..	..	..	..	..
8.	Karbi Anglong	3	7	57	67	..	210	223	91	95	14	15	215	..	..	..	..	..
9.	Karimganj	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10.	Kokrajhar	122	456	186	764	..	1,487	1,558	711	410	119	71	1,411	..	..	..	..	..
11.	Lakhimpur	76	475	954	1,015	..	2,343	2,814	827	222	16	10	1,075	..	..	..	..	..
12.	N.C. Hills	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
13.	Nagaon	213	273	1,488	1,974	..	3,484	3,864	1,203	1,932	26	6	3,167	..	..	..	..	..
14.	Nalbari	36	121	759	916	..	1,636	1,838	886	318	27	81	1,312	..	..	..	..	..
15.	Sibsagar	61	77	1,092	1,230	..	3,429	5,033	1,584	531	..	266	2,381	..	..	..	..	..
16.	Sonitpur	69	100	1,437	1,606	..	2,027	2,349	1,447	529	58	47	2,081	..	..	..	..	..
	STATE TOTAL	**1,016**	**2,443**	**12,080**	**15,539**	..	**32,938**	**38,608**	**14,344**	**7,631**	**713**	**976**	**23,664**	..	..	..	..	..

MINOR IRRIGATION CENSUS IN BIHAR FOR 1986-87

SCHEDULE B-2 DISTRICT LEVEL ABSTRACT OF BIHAR (SHALLOW TUBE WELLS)

STATE : BIHAR

Sl. No.	Name of District	Yearwise No. of shallow tube wells commissioned during						No. of wells not in use	No. of shallow tube wells in use with lifting devices					No. of tube wells in use according to land holding size (in ha.)					
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Electric Pump	Diesel Pump	Manual Lift	Other Devices	Total (10-13)	0—1	1—2	2—4	4—6	>6	Toal (15+19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Araria	192	1,488	2,024	2,192	2,904	4,073	68	6	12,867	..	..	12,873	4,818	4,854	2,283	588	330	12,873
2.	Aurangabad	1,944	422	375	365	325	450	286	1,489	1,893	186	313	3,881	813	1,237	987	387	457	3,881
3.	Begusarai	3,572	2,541	1,934	1,854	1,304	1,649	53	857	12,297	..	..	13,154	2,916	5,473	3,094	1,038	633	13,154
4.	Bhagalpur	3,296	1,265	1,564	1,857	1,822	1,917	48	1,463	9,638	49	571	11,721	2,675	3,838	2,141	1,794	1,273	11,721
5.	Bhojpur	5,799	2,183	2,179	3,038	2,512	3,358	151	3,413	15,624	10	22	19,069	2,543	6,750	6,615	2,425	1,183	19,066
6.	Darbhanga	1,763	1,200	1,167	1,412	1,169	1,117	38	32	7,796	..	..	7,828	1,841	2,653	2,218	869	247	7,828
7.	Deoghar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8.	Dhanbad	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9.	Dumka	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10.	East Champaran	4,389	2,297	2,192	2,654	3,093	4,790	9	26	19,369	..	..	19,395	3,619	5,466	5,567	2,288	1,465	19,405
11.	East Singhbhum	21	59	78	25	81	168	110	2	421	6	3	432	153	127	47	2	103	432
12.	Gaya	7,682	1,259	1,268	1,568	1,750	3,228	106	6,207	10,272	28	248	16,755	3,459	5,221	4,994	1,816	1,275	16,765
13.	Giridih	33	16	13	13	18	27	..	113	7	..	..	120	16	37	26	7	34	120
14.	Godda	297	74	66	79	73	49	16	15	609	12	2	638	222	299	82	12	23	638
15.	Gopalganj	4,805	2,232	1,925	2,404	2,114	2,487	..	4	15,963	..	..	15,967	4,247	5,786	3,790	1,448	696	15,967
16.	Gumla	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17.	Hazaribagh	49	43	19	21	15	7	..	93	61	..	..	154	19	41	84	10	..	154
18.	Jahanabad	3,272	1,022	939	1,204	1,232	1,463	23	2,417	6,676	13	26	9,132	1,488	2,664	3,262	1,039	679	9,132
19.	Katihar	965	1,740	2,055	3,228	3,896	5,547	..	44	17,382	5	..	17,431	3,571	6,505	4,921	1,443	991	17,431
20.	Khagaria	1,295	1,086	997	1,265	1,355	854	19	..	6,852	..	..	6,852	1,491	1,921	1,706	910	824	6,852
21.	Kishanganj	112	210	193	923	1,308	1,425	93	..	4,171	..	..	4,171	1,322	1,366	1,106	234	143	4,171
22.	Lohardaga	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
23.	Madhepura	246	1,607	3,292	2,400	3,010	2,575	5	22	13,108	..	..	13,130	5,651	4,439	2,206	479	355	13,130
24.	Madhubani	1,955	1,833	2,004	1,784	1,185	1,153	197	61	9,799	..	54	9,914	5,199	3,383	978	217	137	9,914
25.	Munger	2,817	1,650	883	1,094	980	1,943	21	1,592	7,682	83	10	9,367	3,173	3,322	2,009	611	252	9,367
26.	Muzaffarpur	7,475	3,289	3,389	4,399	3,987	5,616	99	254	27,888	..	13	28,155	5,336	5,763	5,710	3,215	2,131	22,155
27.	Nalanda	3,613	948	725	874	660	739	55	1,545	5,982	30	2	7,559	1,594	2,446	2,306	876	337	7,559
28.	Nawadah	3,258	1,468	1,224	1,638	1,373	1,007	70	5,256	4,461	251	..	9,968	2,166	3,688	2,901	898	305	9,968
29.	Palamu	223	29	28	17	33	16	8	314	25	..	7	346	30	70	109	72	65	346

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
30.	Patna . .	8,648	2,159	1,260	1,371	1,485	2,906	323	3,949	13,709	149	22	17,829	4,097	5,780	4,468	3,047	1,437	18,829
31.	Purnea . .	172	773	2,567	2,251	3,202	2,826	16	34	11,756	..	..	11,790	4,514	4,169	2,389	402	316	11,790
32.	Ranchi . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
33.	Rohtas . .	7,211	1,731	1972	2,602	2,405	3,422	116	7,511	11,756	16	60	19,343	3,399	5,148	5,341	2,406	3,049	19,343
34.	Saharsa . .	307	1,802	3,390	4,356	4,965	8,245	27	28	23,036	1	..	23,065	16,001	9,724	2,739	402	199	29,065
35.	Sahebganj .	104	45	78	63	131	158	11	69	499	..	11	579	186	179	136	47	41	579
36.	Samastipur .	7,093	3,173	3,538	3,961	3,933	4,657	130	590	25,758	..	7	26,355	7,493	8,183	5,523	2,166	2,990	26,355
37.	Saran . .	6,471	1,911	2,369	3,588	3,381	3,829	50	205	21,323	..	21	21,549	8,106	7,242	4,724	1,203	274	21,549
38.	Sitamarhi .	4,371	3,316	2,991	2,571	1,621	1,942	65	882	15,928	..	2	16,812	3,008	3,811	5,412	1,987	2,594	16,812
9.	Siwan . .	8,512	2,389	2,072	2,304	1,846	1,575	2	7	18,691	..	..	18,698	4,419	6,460	5,522	1,491	806	18,698
40.	Vaishali .	5,667	4,072	2,101	2,512	2,692	3,185	279	467	19,666	57	39	20,229	6,375	6,457	4,913	1,604	880	20,229
41.	West Champaran	1,351	874	1,044	1,702	1,575	3,950	1,795	7	10,489	..	..	10,496	3,103	2,626	2,480	926	1,561	10,696
42.	West Singhbhum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	STATE TOTAL	1,08,980	52,206	53,915	63,589	63,435	82,352	4,289	38,974	3,83,454	896	1,433	4,24,757	1,19,053	1,37,138	1,03,339	38,359	28,085	4,25,974

SCHEDULE B-2 DISTRICT LEVEL ABSTRACT OF BIHAR (SHALLOW TUBE WELLS)—*contd.*

STATE : BIHAR

Sl. No.	Name of District	No. of wells according to category of owners				Average hours of Elec.Avbl. per day	Culturable command Area (in ha.)	Gross Irri.Pot. Created (in ha.)	Seasonwise area irrigated by tube wells (in ha.)					Seasonwise area irrigated by other sources (in ha.)				
		Sch. Caste	Sch. Tribe	Others	Total				Kharif	Rabi	Perennial	Others	Total (28 to 31)	Kharif	Rabi	Perennial	Others	Total (33 to 36)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
1.	Araria	2,308	248	10,317	12,873	4	28,155	37,714	12,623	13,863	2,096	2,436	31,018	839	1,079	71	107	2,096
2.	Aurangabad	416	4	3,461	3,881	4	7,992	9,219	5,671	4,780	511	268	11,230	2,491	1,071	182	47	3,791
3.	Begusarai	548	..	12,606	13,154	3	36,807	38,923	8,959	26,567	1,660	1,038	38,224	184	506	1	12	703
4.	Bhagalpur	315	263	11,143	11,721	4	30,953	35,554	13,180	16,260	2,661	989	33,090	7,376	4,256	338	1,886	13,856
5.	Bhojpur	932	20	18,117	19,069	5	59,200	98,486	37,324	39,200	2,592	2,102	81,218	4,834	3,556	362	173	8,925
6.	Darbhanga	1,084	..	6,744	7,828	2	33,443	36,806	11,634	21,494	5,122	3,260	41,510	2,145	4,739	732	826	8,442
7.	Deoghar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8.	Dhanbad	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9.	Dumka	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10.	East Champaran	1,444	1	17,950	19,395	10	52,289	68,413	30,438	33,697	5,749	3,839	73,723	5,138	6,386	704	2,039	14,267
11.	East Singhbhum	7	393	32	432	10	1,163	1,402	734	321	117	230	1,402	13	7	7	13	40
12.	Gaya	2,689	45	14,021	16,755	2	36,614	45,337	14,575	18,933	2,287	440	36,235	11,759	1,167	75	111	13,112
13.	Giridih	3	..	117	120	7	580	725	364	276	52	22	714	99	67	6	9	181
14.	Godda	102	137	399	638	9	1,454	1,696	1,083	830	120	47	2,080	505	175	19	3	702
15.	Gopalganj	1,147	..	14,520	15,667	4	48,435	1,06,726	18,708	53,215	..	..	71,923	2,279	2,227	..	..	4,506
16.	Gumla	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17.	Hazaribagh	8	..	146	154	4	511	548	352	392	44	8	796	8	7	..	5	20
18.	Jahanabad	546	40	8,546	9,132	5	24,803	27,068	12,621	10,947	1,293	799	25,660	6,167	1,352	386	227	8,132
19.	Katihar	1,792	1,885	13,754	17,431	5	45,900	46,283	19,481	22,111	2,045	6,087	49,724	211	271	153	117	752
20.	Khagria	287	..	6,565	6,852	..	22,274	21,209	4,180	15,770	951	757	21,658	247	991	132	91	1,461
21.	Kishanganj	503	113	2,333	2,949	..	12,614	13,336	3,380	4,560	2,537	654	11,131	441	178	242	121	982
22.	Lohardaga	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
23.	Madhepura	2,010	110	11,010	13,130	6	40,793	62,619	23,944	23,508	1,518	384	49,354	460	442	5,870	97	6,869
24.	Madhubani	1,870	1	8,043	9,914	2	25,858	32,459	9,337	15,504	1,985	2,213	29,039	2,498	3,955	754	758	7,965
25.	Munger	614	134	8,619	9,367	4	22,035	24,531	13,790	11,471	1,062	698	27,021	10,284	4,111	354	194	14,943
26.	Muzaffarpur	1,955	..	26,200	28,155	4	64,214	96,414	25,162	48,115	5,676	5,262	84,215	915	1,245	22	24	2,206
27.	Nalanda	372	..	7,157	7,529	4	39,748	25,706	14,750	11,339	1,031	813	27,933	893	555	96	53	1,597
28.	Nawadah	889	1,167	8,912	9,968	4	26,470	31,885	12,713	11,569	2,297	1,123	27,702	3,728	1,047	184	50	5,009
29.	Palamu	27	4	315	346	5	1,302	1,246	557	564	16	7	1,144	105	66	..	8	179

30.	Patna	810	..	17,019	17,829	8	53,633	53,190	31,445	25,448	3,254	1,927	62,074	5,513	3,102	467	228	9,310
31.	Purnea	2,138	827	8,825	11,790	5	33,364	35,239	11,525	15,053	1,211	1,507	29,355	605	491	..	18	1,114
32.	Ranchi	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
33.	Rohtas	1,521	138	17,654	19,313	4	46,531	74,589	33,014	30,395	1,544	1,246	66,199	13,285	11,868	319	369	25,841
34.	Saharsa	3,468	164	19,433	23,065	6	49,785	57,729	16,070	28,595	3,354	2,331	50,350	454	514	114	73	1,155
35.	Sahebganj	46	230	303	579	13	634	622	277	368	16	28	689	24	19	..	..	43
36.	Samastipur	2,449	..	23,946	26,395	5	75,569	90,324	23,422	51,267	6,086	4,153	84,928	1,859	3,102	984	627	6,572
37.	Saran	1,116	24	20,409	21,549	5	54,078	55,454	13,256	38,092	2,166	1,997	55,511	675	1,554	135	113	2,477
38.	Sitamarhi	1,001	..	15,811	16,812	7	37,937	53,875	23,639	30,311	1,594	1,591	57,135	1,370	412	244	104	2,130
39.	Siwan	1,216	..	17,482	18,698	5	54,202	88,818	15,783	44,687	..	..	60,470	1,323	4,961	..	..	6,284
40.	Vaishali	1,222	1	19,006	20,229	5	51,049	58,783	16,861	24,340	9,843	6,066	57,110	1,648	1,806	541	302	4,293
41.	West Champaran	1,076	588	8,832	10,496	11	29,082	33,155	20,899	18,041	4,216	1,203	44,359	8,230	472	246	236	9,184
42.	West Singhbhum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	STATE TOTAL	37,931	6,537	3,78,747	4,23,215	4	11,49,511	14,71,133	5,01,752	7,11,888	76,739	55,525	13,45,904	98,605	67,757	13,740	9,041	1,89,143

MINOR IRRIGATION CENSUS IN GOA FOR 1986-87

SCHEDULE B-2 DISTRICT LEVEL ABSTRACT OF GOA (SHALLOW TUBE WELLS)

STATE : GOA

Sl. No.	Name of District	Yearwise No of shallow tubewells commissioned during						No. of wells Not in use	No. of shallow Tubewells in use with lifting devices					No. of tuebewells in use according to and holding size (IN HA.)					
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Electric Pump	Diesel Pump	Manual lift	Others devices	Total (10-13)	0-1	1-2	2-4	4-6	>6	Total (15-19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	North Goa	..	1	1	..	..	..	..	2	..	..	..	2	2	..	..	..	..	2
2.	South Goa	2	..	..	..	..	1	..	2	1	..	..	3	1	1	..	..	1	3
	STATE TOTAL	**2**	**1**	**1**	..	..	**1**	..	**4**	**1**	..	..	**5**	**3**	**1**	..	..	**1**	**5**

Sl. No.	Name of District	No. of wells according to category of owners				Average hours of Elec.Avbl. per day	Culturable command area (IN HA.)	Gross Irri pot. created (IN HA.)	Seasonwise area irrigated by the wells (IN HA.)					Seasonwise area irrigated by other sources (IN HA.)				
		Sch. caste	Sch. tribe	Others	Total				Kharif	Rabi	Perennial	others	Total (28 to 31)	Kharif	Rabi	Perennial	Others	Total (33 to 36)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
1.	North Goa	..	..	2	2	28	1	1	..	..	..	..	..	..	..	..	..	..
2	South Goa	..	..	3	3	8	3	3	..	..	3	..	3	..	..	..	..	..
	STATE TOTAL	..	..	**5**	**5**	**36**	**4**	**4**	..	..	**3**	..	**3**	..	..	..	..	..

MINOR IRRIGATION CENSUS IN GUJARAT FOR 1986-87

SCHEDULE B-2 DISTRICT LEVEL ABSTRACT OF GUJARAT (SHALLOW TUBE WELLS)

STATE : GUJARAT

Sl. No.	Name of District	Yearwise No. of shallow tubewells commissioned during						No. of wells not in use	No. of shallow tubewells in use with lifting devices					No. of tube wells in use according to and holding size (in HA.)					
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Electric Pump	Diesel Pump	Manual lift	Other devices	Total (10-13)	0-1	1-2	2-4	4-6	>6	Total (15-19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Ahmadabad	494	27	18	34	91	132	201	377	216	..	2	595	70	76	154	131	164	595
2.	Amreli	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Banaskantha	439	32	60	70	71	138	110	499	201	..	..	700	75	102	156	153	214	700
4.	Bharuch	366	106	49	93	120	383	88	632	328	40	29	1029	204	287	269	134	135	1,029
5.	Bhavnagar	..	..	..	..	..	..	..	..	..	..	..	..	..		..	..	..	..
6.	Dani	1	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	1	1
7.	Gandhinagar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8.	Jamnagar	..	..	..	..	..	..	..	..	..	..	..	..		..	..	..	..	..
9.	Junagadh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10.	Kachchh	..	..	..	..	..		..	..	..	..	..	..	..	..	..	..	..	..
11.	Kheda	378	25	32	40	69	169	11	651	51	..	..	702	158	122	157	92	173	702
12.	Mehsana	252	9	30	32	65	42	92	199	139	..	..	338	75	74	69	37	83	338
13.	Panchmahal	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14.	Rajkot	..	..	..	..	..	3	3	..	..	..	..	..	..	..	..	..	..	..
15.	Sabarkantha	284	17	21	121	50	112	167	381	57	..	..	438	33	92	129	99	85	438
16.	Surat	10	4	3	14	29	79	2	113	24	..	..	137	33	23	46	18	17	137
17.	Surendranagar	69	6	16	33	39	36	30	14	152	..	3	169	3	12	36	25	93	169
18.	Vadodara	210	24	6	27	67	131	26	437	2	..	..	439	46	64	99	84	146	439
19.	Valsad	11	8	3	12	16	24	21	46	6	1	..	53	7	17	25	3	1	53
	STATE TOTAL	2,514	258	238	476	617	1,249	751	3,350	1,176	41	34	4,601	704	869	1,140	776	1,112	4,601

MINOR IRRIGATION CENSUS IN GUJARAT FOR 1986-87

SCHEDULE B-2 DISTRICT LEVEL ABSTRACT OF GUJARAT (SHALLOW TUBE WELLS)—*contd.*

STATE : GUJARAT

Sl. No.	Name of District	No. of wells according to catagory of owners				Average hours of Elec.Avbl. per day	Culturable command Area (in HA.)	Gross Irri.Pot. created (in HA.)	Seasonwise are irrigated by wells (in HA.)					Seasonwise area irrigated by other sources (in HA.)				
		Sch. caste	Sch. Tribes	Others	Total				Kharif	Rabi	Perennial	others	Total (28 to 31)	Kharif	Rabi	Perennial	Others	Total (33 to 36)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
1.	Ahmadabad	39	3	754	796	11	4,576	5,256	1,030	1,652	139	449	3,270	38	121	6	3	168
2.	Amreli	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Banaskantha	28	3	779	810	9	3,940	4,826	740	1,690	87	686	3,203	..	..	..	..	..
4.	Bharuch	17	120	980	1,117	11	4,078	4,401	468	1,596	169	158	2.391	83	31	..	..	114
5.	Bhavnagar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6.	Dang	..	..	1	1	4	24	25	..	2	3	2	7	..	..	..	..	..
7.	Gandhinagar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8.	Jamnagar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9.	Junagadh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10.	Kachchh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11.	Kheda	3	..	710	713	18	23,841	24,669	5,142	7,091	192	6,038	18,463	575	592	4	611	1,782
12.	Mehsana	6	1	423	430	11	2,840	3,347	205	1,146	1	360	1,712	464	1,033	..	494	1,991
13.	Panchmahal	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14.	Rajkot	..	..	3	3	..	11	11	..	..	..	..	..	..	..	..	..	..
15.	Sabarkantha	..	..	..	..	9	1,957	2,150	266	836	65	128	1,295	..	..	..	..	..
16.	Surat	2	16	121	139	9	1,008	1,073	130	55	121	35	341	..	..	..	..	..
17.	Surendranagar	6	..	193	199	10	643	693	100	225	..	19	344	15	4	..	3	22
18.	Vadodara	1	..	464	465	8	7,529	8,683	2,485	1,688	119	1,715	6.007	..	..	..	..	..
19.	Valsad	..	9	65	74	6	160	167	21	5	75	11	112	..	..	..	..	..
	STATE TOTAL	102	152	4,493	4,747	6	50,607	55,301	10,587	15,986	971	9,601	37,145	1,175	1,781	10	1,111	4,077

MINOR IRRIGATION CENSUS IN HARYANA FOR 1986-87

SCHEDULE B-2 DISTRICT LEVEL ABSTRACT OF HARYANA (SHALLOW TUBE WELLS)

STATE : HARYANA

Sl. No.	Name of District	Yearwise No. of shallow tube wells commissioned during						No. of wells not in use	No. of shallow tube wells in use with lifting devices					No. of tube wells in use according to land holding size (in HA.)					
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Electric Pump	Diesel Pump	Manual Lift	Others Devices	Total (10 to 13)	0-1	1-2	2-4	4-6	>6	Total (15 to 19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Ambala	10,203	8,590	3,456	3,112	2,716	2,088	145	22,704	7,303	..	13	30,020	4,110	8,355	8,971	4,413	4,171	30,020
2.	Bhiwani	1,797	598	534	524	786	1,004	36	3,182	2,025	..	..	5,207	1,053	870	901	1,119	1,264	5,207
3.	Faridabad	3,703	3,207	2,569	1,310	4,670	5,665	49	11,616	9,459	..	..	21,075	1,337	5,134	6,640	3,703	4,261	21,075
4.	Gurgoan	16,468	2,389	2,543	2,650	2,883	3,599	92	23,0 2	4,360	..	8	30,440	2,181	9,036	10,240	5,720	3,263	30,440
5.	Hisar	7,341	47	28	131	..	19,337	201	13,165	13,498	..	20	26,683	1,794	5,295	8,074	5,316	6,204	26,683
6.	Jind	7,005	1,779	2,192	2,327	2,430	5,010	..	11,545	9,198	..	..	20,743	2,949	5,702	5,847	4,637	1,608	20,743
7.	Karnal	43,443	8,570	5,647	4,584	5,937	4,495	..	50,746	21,930	..	..	72,676	5,999	22,655	36,236	3,351	4,435	72,676
8.	Kurukshetra	59,372	4,997	3,862	3,681	2,338	1,724	..	42,553	33,421	..	..	75,974	10,000	15,995	21,704	16,614	11,661	75,974
9.	M/Garh	12,745	409	503	568	687	913	854	14,824	147	..	..	14,971	1,584	3,177	3,890	2,890	3,430	14,971
10.	Rohtak	15,885	504	779	911	1,223	1,655	7	13,060	5,890	..	..	20,950	1,508	3,781	9,513	5,244	904	20,950
11.	Sirsa	6,475	13	..	11	85	7,854	39	6,938	7,416	..	45	14,399	274	1,269	3,127	4,229	5,500	14,399
12.	Soniput	7,286	3,711	3,209	3,134	3,185	2,301	..	11,083	11,743	..	..	22,826	3,129	5,872	6,265	3,926	3,634	22,826
	STATE TOTAL	1,91,723	34,814	25,322	22,943	26,940	55,645	1,423	2,26,488	1,29,390	..	86	3,55,964	35,918	87,141	1,21,408	61,162	50,335	3,55,964

Sl. No.	Name of District	No. of wells according to category of owners				Average hours of Elec.Avbl. per day	Culturable command Area (in HA.)	Gross Irri. pot. Created (in HA.)	Seasonwise area irrigated by tube wells (in HA.)					Seasonwise area irrigated by other sources (in HA.)				
		Sch. Caste	Sch. Tribe	Others	Total				Kharif	Rabi	Perennial	Others	Total (28 to 31)	Kharif	Rabi	Perennial	Others	Total (33 to 36)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
1.	Ambala	1,447	..	28,718	30,165	8	1,01,148	1,71,874	86,393	78,275	4,801	74	1,69,543	..	..	..	..	..
2.	Bhiwani	50	..	5,193	5,243	8	25,168	30,819	5,400	14,154	..	..	19,554	4,011	6,933	..	..	10,944
3.	Faridabad	300	..	20,824	21,124	7	72,700	94,817	25,508	69,087	..	..	94,595	679	33,255	..	..	33,934
4.	Gurgoan	668	..	29,864	30,532	8	64,235	76,604	18,335	57,539	328	402	76,604	..	..	..	..	..
5.	Hisar	751	..	26,133	26,884	7	1,14,396	1,89,262	52,772	59,797	..	..	1,12,569	38,029	37,808	..	..	75,837
6.	Jind	285	..	20,458	20,743	8	60,690	89,687	40,201	46,782	..	..	86,983	9,496	12,885	..	..	22,381
7.	Karnal	1,419	..	71,257	72,676	8	2,02,540	3,84,429	2,10,344	1,94,166	38	..	4,04,548	18,884	9,765	..	..	28,649
8.	Kurukshetra	1,837	..	74,137	75,974	9	2,37,242	3,24,881	1,47,849	1,69,185	15,117	8,646	3,40,797	24,749	41,967	590	..	67,306
9.	M/Garh	110	..	15,715	15,825	8	70,327	2,01,759	4,113	60,457	..	..	64,570	..	..	..	..	..
10.	Rohtak	161	..	20,796	20,957	7	97,944	1,02,833	12,114	80,183	7,717	..	1,00,014	2,407	12,240	2,530	..	17,177
11.	Sirsa	297	..	14,141	14,438	7	59,071	60,294	29,472	30,794	46	1	60,313	24,640	24,532	51	2,860	52,083
12.	Soniput	127	..	22,699	22,826	8	58,975	78,468	38,321	43,850	..	..	82,171	12,287	23,379	..	..	35,666
	STATE TOTAL	7,452	..	3,49,935	3,57,387	8	11,64,436	18,05,727	6,70,822	9,04,269	28,047	9,123	16,12,261	1,35,182	2,02,764	3,171	2,860	3,43,977

MINOR IRRIGATION CENSUS IN HIMACHAL PRADESH FOR 1986-87
SCHEDULE B-2 DISTRICT LEVEL ABSTRACT OF HIMACHAL PRADESH
(SHALLOW TUBE WELLS)

STATE : HIMACHAL PRADESH

Sl. No.	Name of District	Yearwise No. of shallow tube wells commissioned During						No. of wells not in use	No. of shallow tube wells in use with lifting devices					No. of tube wells in use according to land holding size (in HA.)					
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Electric Pump	Diesel Pump	Manual Lift	other Devices	Total (10-13)	0-1	1-2	2-4	4-6	>6	Total (15-19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Bilaspur	30	..	..	..	..	..	..	..	30	..	..	30	18	9	3	..	..	30
2.	Chamba	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Hamirpur	26	..	1	2	..	2	..	28	1	2	..	31	6	6	8	7	4	31
4.	Kangra	55	..	..	..	..	..	..	55	..	..	..	55	1	15	2	..	37	55
5.	Kinnaur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6.	Kullu	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7.	Lahul Spiti	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8.	Mandi	20	1	1	..	4	..	..	23	..	..	3	26	7	11	5	2	1	26
9.	Shimla	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10.	Sirmaur	62	..	4	4	7	2	6	65	6	..	2	73	2	13	24	28	12	79
11.	Solan	84	33	43	23	4	3	7	126	54	3	..	183	17	80	56	16	21	190
12.	Una	538	45	54	68	70	104	1	350	528	..	..	878	181	264	236	68	130	879
	STATE TOTAL	815	79	103	97	85	111	14	647	619	5	5	1,276	232	398	334	121	205	1,290

Sl. No.	Name of District	No. of wells according to catagory of owners				Average hours of Elec.avbl. per day	culturable command Area (in HA.)	Gross Irri.Pot. created (in HA.)	Seasonwise area irrigated by tube wells (in HA.)					Seasonwise area irrigated by other sources (in HA.),				
		Sch. Caste	Sch. Tribe	Others	Total				Kharif	Rabi	Perennial	Others	Total (28 to31)	Kharif	Rabi	Perennial	Others	Total (33 to 36)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
1.	Bilaspur	..	..	30	30	..	58	115	..	39	..	..	39	..	..	..	..	..
2.	Chamba	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Hamirpur	1	..	30	31	7	24	44	14	14	1	..	29	..	..	..	..	..
4.	Kangra	..	..	55	55	..	795	1,456	687	687	82	..	1,456	..	..	..	..	..
5.	Kinnaur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6.	Kullu	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7.	Lahul Spiti	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8.	Mandi	4	..	22	26	21	325	608	239	217	..	15	471	..	..	..	..	..
9.	Shimla	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10.	Sirmaur	8	..	71	79	13	196	352	156	155	12	1	324	..	..	..	..	..
11.	Solan	32	3	155	190	13	958	1,660	518	652	45	8	1,223	..	..	..	..	..
12.	Una	21	..	858	879	7	2,714	3,559	636	1,414	139	189	2,378	7	9	..	..	16
	STATE TOTAL	66	3	1,221	1,290	5	5,070	7,794	2,250	3,178	279	213	5,920	7	9	..	..	16

MINOR IRRIGATION CENSUS IN JAMMU & KASHMIR FOR 1986-87
SCHEDULE B-2 DISTRICT LEVEL ABSTRACT OF JAMMU & KASHMIR
(SHALLOW TUBEWELLS)

STATE : JAMMU & KASHMIR

Sl. No.	Name of District	Yearwise No. of sallow tubewells commissioned during						No. of wells not in use	No. of shallow tubewells in use with lifting devices					No. of tubewells in use according to land holding size (in HA.)					
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Electric Pump	Diesel Pump	Mannual lift	Other dences	Total (10-13)	0-1	1-2	2-4	4-6	>6	Total (15-19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Anantnag	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2.	Baramulla	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Budgam	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4.	Doda	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5.	Jammu	179	168	106	119	82	58	73	640	69	..	3	712	136	384	157	26	9	712
6.	Kargil	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7.	Kathua	9	..	1	4	5	..	..	14	5	..	..	19	3	8	4	1	3	19
8.	Kupwara	4	4	..	..	..	3	..	4	4	..	3	11	4	4	..	..	3	11
9.	Leh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10.	Poonch	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11.	Pulwama	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
12.	Rajouri	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
13.	Srinagar	5	..	..	1	..	..	..	2	4	..	..	6	2	..	1	3	..	6
14.	Udhampur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	STATE TOTAL	197	172	107	124	87	61	73	660	82	..	6	748	145	396	162	30	15	748

Sl. No.	Name of District	No. of wells according to category of owner				Average Hours of Elec.Avbl. Per day	Culturable Command Area (in HA)	Gross Irri.Pot. created (in HA)	Seasonwise area irrigated by tube wells (in HA.)					Seasonwise area irrigated by other sources (in HA.)				
		Sch. Caste	Sch. Tribe	Others	Total				Kharif	Rabi	Perennial	Others	Total (28 to 31)	Kharif	Rabi	Perennial	Others	Total (33 to 36)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
1.	Anantnag	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2.	Baramulla	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Budgam	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4.	Doda	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5.	Jammu	141	..	571	712	..	838	1,516	837	675	..	..	1,512	..	..	..	..	..	..
6.	Kargil	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7.	Kathua	1	..	18	19	..	49	59	33	28	..	..	61	2	2	..	..	..	4
8.	Kupwara	..	..	11	11	..	138	17	138	138	..	..	276	736	736	..	..	..	1,472
9.	Leh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10.	Poonch	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11.	Pulwama	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
12.	Rajouri	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
13.	Srinagar	..	..	6	6	..	3	5	3	3	..	..	6	..	..	..	..	..	..
14.	Udhampur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	STATE TOTAL	142	..	606	748	..	1,019	1,597	1,011	844	..	..	1,855	738	738	..	..	1,476

MINOR IRRIGATION CENSUS IN KARNATAKA FOR 1986-87

SCHEDULE B-2 DISTRICT LEVEL ASBTRACT OF KARNATAKA (SHALLOW TUBEWELLS)

STATE : KARNATAKA

Sl. No.	Name of District	Yearwise No. of shallow tubewells commissioned During						No. of wells Not in use	No. of shallow tubewells in use with lifting devices					No. of tubewells in use according to land holding Size (in HA.)					
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Electric Pump	Diesel Pump	Manual Lift	Other Devices	Total (10 to 13)	0-1	1-2	2-4	4-6	>6	Total (15 to 19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Bangalore (R)	556	385	530	1,248	1,338	1,137	268	5,038	26	8	122	5,194	1,250	1,509	1,153	562	720	5194
2.	Bangalore (U)	732	420	656	688	770	648	102	3,842	..	1	100	3,943	660	1,329	1,050	421	483	3,943
3.	Belgaum .	144	121	317	792	1,430	1,029	104	3,828	2	1	2	3,833	310	1,333	1,215	456	519	3,833
4.	Bellay . .	76	40	41	112	189	139	64	1,169	9	..	4	1,182	35	351	326	160	310	1,182
5.	Bidar . .	18	2	21	28	57	78	7	202	..	2	..	204	8	63	63	24	46	204
6.	Bijapur . .	76	40	41	112	189	139	13	591	..	..	6	597	34	194	179	96	94	597
7.	Chickmangalur	68	43	74	99	145	123	85	470	13	4	65	552	50	100	134	62	206	552
8.	Chitradurga .	670	398	626	872	1,343	916	54	4,782	16	1	26	4,825	344	1,421	1,525	736	799	4,825
9.	D. Kannada .	87	37	85	112	94	65	8	439	34	..	7	480	64	130	108	87	91	480
10.	Dharwad .	844	346	733	1,009	1,072	992	301	4,767	15	..	214	4,996	310	1,407	1,521	684	1,074	4996
11.	Gulbarga .	45	44	13	55	31	65	76	170	..	..	83	253	20	13	68	17	135	253
12.	Hassan . .	162	33	101	206	430	310	59	1,282	..	..	10	1,292	166	402	362	204	158	1,292
13.	Kodagu .	..	..	..	1	2	4	..	7	..	..	..	7	..	..	1	2	4	7
14.	Kolar . .	590	274	862	1,569	2,077	1,198	300	6,513	..	..	57	6,570	904	1,703	1,978	906	1,079	6,570
15.	Mandya .	26	3	10	22	24	32	5	107	1	..	9	117	17	44	28	10	18	117
16.	Mysore . .	125	51	75	133	142	154	29	673	3	..	4	680	141	255	131	56	97	680
17.	Raichur .	145	45	77	128	106	73	37	565	4	..	5	574	22	96	167	89	200	574
18.	Shimoga .	425	299	290	322	404	387	76	2,054	..	6	67	2,127	477	566	522	263	299	2,127
19.	Tumkur .	208	163	381	571	1,129	918	310	3,299	17	6	48	3,370	565	832	888	456	629	3,370
20.	U. Kannada .	22	6	20	11	26	42	39	114	1	..	12	127	7	25	24	10	61	127
	STATE TOTAL	5,019	2,750	4,953	8,090	11,048	8,449	1,937	39,912	141	29	841	40,923	5,384	11,773	11,443	5,301	7,022	40,923

MINOR IRRIGATION CENSUS IN KARNATAKA FOR 1986-87

SCHEDULE B-2 DISTRICT LEVEL ABSTRACT OF KARNATAKA (SHALLOW TUBEWELLS)—*Contd.*

STATE : KARNATAKA

Sl. No.	Name of District	No of wells according to category of owners				Average Hours of Elec Avbl per day	Culturable command Area (in HA)	Gross Irri Pot Created (in HA)	Seasonwise area irrigated by tube wells (in HA)					Seasonwise area irrigated by other sources (in HA)				
		Sch Caste	Sch Tribe	Others	Total				Kharif	Rabi	Perennial	Others	Total (28 to 31)	Kharif	Rabi	Perennial	Others	Total (33 to 36)
1		21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
1.	Bangalore (R)	301	99	4,794	5,194	8	8,079	9,292	3,794	1,529	2,515	703	8,541	374	132	125	62	693
2.	Bangalore (U)	200	24	3,719	3,943	8	5,637	6,107	2,300	664	2,103	931	5,998	8	7	10	..	25
3.	Belgaum	142	6	3,685	3,833	8	8,043	8,328	4,564	989	1,351	671	7,575	75	20	2	56	153
4.	Bellary	211	15	956	1,182	8	3,072	5,310	2,677	690	91	1,722	5,180	46	11	4	23	84
5.	Bidar	36	..	168	204	8	495	495	210	72	14	39	335	..	..	..	..	..
6.	Bijapur	122	7	468	597	8	1,554	1,873	1,022	357	62	349	1,790	..	..	..	..	..
7.	Chickmagalur	39	53	460	552	8	1,097	1,208	339	74	741	46	1,200	33	..	25	..	58
8.	Chitradurga	398	171	4,256	4,825	8	10,238	15,670	6,224	1,446	1,175	4,277	13,122	3	..	1	..	4
9.	D. Kannada	2	..	478	480	8	930	940	15	133	691	91	930	..	18	60	25	103
10.	Dharwad	250	77	4,669	4,996	8	10,831	15,238	7,467	2,049	1,123	4,011	14,650	24	18	..	8	50
11.	Gulbarga	110	8	135	253	8	348	461	202	172	4	5	383	52	3	..	..	55
12.	Hassan	44	7	1,241	1,292	8	2,154	2,228	637	300	882	312	2,131	33	29	10	..	72
13.	Kodagu	1	..	6	7	8	82	83	80	..	1	2	83	..	..	..	..	0
14.	Kolar	336	161	6,073	6,570	8	10,681	13,336	7,213	2,769	1,373	1,315	12,670	178	38	34	26	276
15.	Mandya	30	16	71	117	8	260	296	100	47	66	3	216	9	1	7	..	17
16.	Mysore	194	11	475	680	8	1,941	2,328	553	166	574	85	1,378	..	..	2	..	2
17.	Raichur	56	39	479	574	8	1,755	2,697	1,463	340	45	791	2,639	7	..	..	6	13
18.	Shimoga	230	43	1,854	2,127	8	3,382	4,547	1,926	677	1,046	437	4,086	177	67	40	48	332
19.	Tumkur	303	60	3,007	3,370	8	6,144	6,424	2,633	557	1,895	422	5,507	131	44	180	5	360
20.	U. Kannada	2	..	125	127	8	326	326	214	2	48	..	264	19	..	4	..	23
	STATE TOTAL	3,007	797	37,119	40,923	8	77,049	97,187	436,33	13,033	15,800	16,212	88,678	1,169	388	504	259	2,320

MINOR IRRIGATION CENSUS IN MADHYA PRADESH FOR 1986-87

SCHEDULE B-2 DISTRICT LEVEL ABSTRACT OF MADHYA PRADESH (SHALLOW TUBEWELLS)

STATE : MADHYA PRADESH

Sl. No.	Name of District	Yearwise No. of shallow tubewells commissioned During						No. of wells not in use	No. of shallow tubewells in use with lifting Devices					No. of tubewells in use according to land holding size (in HA)					
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Electirc Pump	diesel Pump	Manual Lift	Other Devices	Total (10-13)	0-1	1-2	2-4	4-6	>6	Total (15-19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Baitul	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2.	Balaghat	..	..	..	..	1	..	..	1	..	..	..	1	..	..	1	..	..	1
3.	Baatar	6	4	3	4	1	..	..	18	..	..	..	18	3	..	7	2	6	18
4.	Bhind	94	10	13	7	11	20	24	124	5	..	26	155	7	18	44	59	27	155
5.	Bhopal	74	14	52	73	96	102	..	411	..	..	..	411	7	36	78	109	181	4 11
6.	Bilaspur	139	23	11	16	49	35	5	270	2	1	..	273	20	29	45	67	112	273
7.	Chattarpur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8.	Chindwara	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9.	Damoh	32	..	27	31	65	129	..	219	61	..	4	284	31	79	57	57	60	284
10.	Datya	8	..	..	4	..	..	2	12	..	..	..	12	..	1	6	..	5	12
11.	Devas	352	100	212	364	506	572	39	2,106	..	..	..	2,106	91	207	406	411	991	2,106
12.	Dhar	1,134	393	773	1,084	1,330	1,343	322	6,007	49	1	..	6,057	198	1,160	1,354	1,024	2,321	6,057
13.	Durg	350	49	23	45	89	88	7	627	14	..	3	644	130	187	113	68	146	644
14.	Guna	11	5	1	2	1	..	..	20	..	..	..	20	..	..	4	4	12	20
15.	Gwalior	18	22	14	24	65	70	29	114	71	..	28	213	21	45	53	46	48	213
16.	Hoshangabad	611	13	13	46	44	43	..	654	7	24	85	770	7	36	82	185	460	770
17.	Indore	1,025	332	385	623	775	562	218	3,702	..	..	..	3,702	220	666	947	766	1,103	3,702
18.	Jabalpur	132	22	23	16	11	13	12	217	..	..	..	217	6	18	42	43	108	217
19.	Jhabua	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20.	Mandla	2	1	..	..	..	..	..	3	..	..	..	3	..	..	..	3	..	3
21.	Mandsore	..	..	..	..	..	...	...	...	...	..	...	...	..	..	..	..	..	...
22.	Murena	89	13	18	11	1	5	12	98	4	..	35	137	2	6	37	26	66	137
23.	Narsinghpur	444	55	86	139	238	318	139	1,190	90	..	..	1,280	70	360	257	260	333	1,280
24.	P. Nemad (Kaadva)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
25.	P. Nemad (Khargon)	6	1	..	6	11	22	2	46	..	..	..	46	..	6	11	9	20	46
26.	Panna	1	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	1	1
27.	Raigarh	73	13	19	25	30	11	3	167	4	..	..	171	3	20	41	33	74	171
28.	Raipur	271	49	35	36	63	51	8	486	4	..	15	505	39	101	118	99	148	505
29.	Raisen	141	16	17	29	17	23	..	243	..	..	..	243	2	3	28	43	167	243

30.	Rajgarh	..	..	..	..	..	1	..	1	..	..	..	1	..	..	..	..	1	1
31.	Rajnadgaon	9	6	6	121	112	34	3	152	..	101	35	288	10	45	53	48	132	288
32.	Ratlam	109	42	79	201	224	399	..	1,050	4	..	..	1,054	34	185	267	195	373	1,054
33.	Reva	19	31	10	15	12	14	4	98	..	..	3	101	7	10	25	11	48	101
34.	Sagar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
35.	Sarguja	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
36.	Satna	9	..	2	..	..	2	1	13	..	..	..	13	..	..	2	4	7	13
37.	Seedhi	..	..	..	..	..	8	..	..	..	8	..	8	1	..	2	..	5	8
38.	Sehor	58	79	95	185	188	196	..	791	10	..	..	801	32	106	167	192	304	801
39.	Shajapur	4	1	20	7	1	3	41	36	..	..	..	36	..	1	..	3	32	36
40.	Shdol	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
41.	Shivpuri	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
42.	Sivni	1	..	1	..	..	1	..	3	..	..	..	3	..	1	1	1	..	3
43.	Teekamgarh	..	..	..	..	..	9	..	9	..	..	..	9	..	..	..	..	9	9
44.	Ujjain	335	176	259	478	828	1,014	143	3,088	2	..	..	3,090	111	379	582	533	1,485	3,090
45.	Vidisha	..	..	..	2	..	1	..	3	..	..	..	3	..	..	..	1	2	3
	STATE TOTAL	**5,557**	**1,472**	**2,197**	**3,596**	**4,771**	**5,096**	**1,014**	**21,993**	**327**	**135**	**234**	**22,689**	**1,052**	**3,707**	**4,831**	**4,308**	**8,791**	**22,689**

SCHEDULE B-2 DISTRICT LEVEL ABSTRACT OF MADHYA PRADESH—(SHALLOW TUBE WELLS)—*Contd.*

STATE : MADHYA PRADESH

Sl. No.	Name of District	No. of wells according to catagory of owners				Average hours of Elec. Avbl per day	Culturable command area (In HA.)	Gross Irri.Pot. created (In HA.)	Seasonwise area irrigated by tube wells (In HA.)					Seasonwise area irrigated by other sources (In HA.)				
		Sch. Caste	Sch. Tribe	Others	Total				Kharif	Rabi	Perennial	Others	Total (28 to 31)	Kharif	Rabi	Perennial	Others	Total (33 to 36)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
1.	Baitul	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2.	Balaghat	..	..	..	..	12	7	7	7	..	..	..	7	..	..	..	..	..
3.	Bastar	1	..	17	18	8	49	44	2	34	9	..	45	..	..	..	..	..
4.	Bhind	6	..	149	155	6	1,659	1,431	30	1,029	..	16	1,075	..	37	..	..	37
5.	Bhopal	9	..	402	411	11	2,457	2,277	24	2,058	1	..	2,083	16	529	..	..	545
6.	Bilaspur	18	5	250	273	4	1,331	1,497	999	481	..	..	1,480	..	..	..	..	..
7.	Chattarpur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8.	Chindwara	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9.	Damoh	8	1	275	284	6	739	792	..	792	..	..	792	..	..	..	..	..
10.	Datya	1	..	11	12	8	288	72	..	64	..	8	72	..	..	..	..	..
11.	Devas	111	23	1,972	2,106	12	8,182	7,557	1,095	6,666	22	..	7,783	..	19	..	..	19
12.	Dhar	205	196	5656	6,057	11	20,011	19,207	1,388	15,004	42	..	16,434	4	43	..	..	47
13.	Durg	47	31	566	644	18	2,765	3,616	3,006	996	72	62	4,136	..	..	..	..	..
14.	Guna	..	..	20	20	8	253	243	5	197	..	..	202	2	20	..	..	22
15.	Gwalior	..	..	213	213	8	906	827	355	440	7	2	804	140	112	7	..	259
16.	Hoshangabad	5	1	764	770	14	5,436	6,901	1,866	7,144	1,529	..	10,539	..	2,656	..	508	3,164
17.	Indore	200	29	3,473	3,702	9	21,306	19,209	855	18,810	123	12	19,800	..	48	..	..	48
18.	Jabalpur	4	4	209	217	12	2,447	2,447	1	2,387	..	11	2,399	..	..	..	..	..
19.	Jhabua	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20.	Mandla	..	..	3	3	5	30	30	8	5	..	..	13	..	..	..	..	..
21.	Mandsore	..	..	13	13	8	41	37	..	35	..	..	35	..	..	..	..	..
22.	Murena	13	..	124	137	4	1,348	1,195	35	1,122	1	..	1,158	..	..	..	..	..
23.	Narsinghpur	46	11	1,223	1,280	16	6,933	6,933	121	6,275	222	..	6,618	..	..	..	..	..
24.	P. Nemad (Khandva)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
25.	P. Nemad (Khargon)	..	1	45	46	8	188	183	91	63	6	..	160	..	..	..	..	..
26.	Panna	..	..	1	1	16	20	20	..	16	2	18	36	..	..	..	..	..
27.	Raigarh	1	3	167	171	6	612	870	247	445	47	..	739	..	..	..	..	..
28.	Raipur	9	2	494	505	22	2,318	2,086	1,417	823	44	46	2,330	51	15	6	..	72
29.	Raisen	3	..	240	243	10	2,400	2,400	1	1,756	..	..	1,757	..	..	..	..	..

30. Rajgarh	..	..	1	1	10	5	5	..	5	..	..	5	..	..	..	..	..
31. Rajnadgaon	19	21	248	288	18	532	545	693	189	10	..	892	..	..	..	..	..
32. Ratlam	61	32	961	1,054	13	3,161	3,040	546	1,996	19	36	2,597	..	..	..	..	..
33. Reva	..	1	100	101	20	536	440	1	399	..	..	400	..	3	..	..	3
34. Sagar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
35. Sarguja	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
36. Satna	1	..	12	13	11	162	157	..	75	..	..	75	..	..	..	..	..
37. Seedhi	..	4	4	8	24	1	1	1	..	..	..	1	..	..	..	..	..
38. Sehor	63	..	738	801	12	2,360	2,167	379	1,619	..	..	1,998	..	..	..	..	..
39. Shajapur	2	..	34	36	12	943	509	48	439	22	..	509	..	..	..	..	..
40. Shdol	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
41. Shivpuri	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
42. Sivni	..	..	3	3	12	16	..	..	11	..	..	11	..	..	..	..	..
43. Teekamgarh	..	..	9	9	20	158	142	24	80	..	..	104	..	..	..	..	..
44. Ujjain	163	41	2,886	3,090	21	11,401	9,863	391	9,279	57	58	9,785	..	25	..	..	25
45. Vidisha	..	..	3	3	24	41	41	..	29	..	..	29	..	..	..	..	..
STATE TOTAL	**996**	**406**	**21,286**	**22,688**	**10**	**1,01,042**	**96,791**	**13,636**	**80,763**	**2,235**	**269**	**96,903**	**213**	**3,507**	**13**	**508**	**4,241**

MINOR IRRIGATION CENSUS IN MAHARASHTRA FOR 1986-87

SCHEDULE B-2 DISTRICT LEVEL ABSTRACT OF MAHARASHTRA (SHALLOW TUBE WELLS)

STATE : MAHARASHTRA

Sl. No.	Name of District	Yearwise No. of shallow tube wells commissioned during						No. of wells not in use	No. of shallow tube wells in use with lifting devices					No. of tube wells in use according to land holding size (in HA.)					
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Electric Pump	Diesel Pump	Manual Lift	Other Devices	Total (10-13)	0-1	1-2	2-4	4-6	>6	Total (15-19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Ahmednagar	24	25	13	53	101	119	56	290	..	..	..	290	40	93	128	54	30	345
2.	Akola	2	..	..	..	..	10	..	13	1	..	..	14	..	1	..	1	12	14
3.	Amravati	4	..	..	..	3	23	4	25	..	..	..	25	1	4	8	4	12	29
4.	Aurangabad	4	..	..	34	..	..	13	32	..	..	..	32	3	15	15	4	11	48
5.	Beed	9	5	8	25	26	32	31	69	1	..	4	74	18	16	27	25	19	105
6.	Bhandhara	..	..	..	..	..	..	3	4	..	..	..	4	..	4	2	..	1	7
7.	Buldhana	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8.	Chandrapur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9.	Dhule	..	..	..	..	..	..	133	1,612	18	..	..	1,630	1,439	133	122	26	43	1,763
10.	Gadchiroli	276	11	7	24	4	3	19	281	25	..	..	306	72	142	85	20	6	325
11.	Jalgaon	4	1	10	8	19	26	22	46	..	..	..	46	2	11	28	12	15	68
12.	Jalna	54	4	4	3	12	5	11	26	1	2	42	71	7	13	37	3	11	71
13.	Kolhapur	39	20	13	11	15	22	13	99	8	..	..	107	40	32	24	3	21	120
14.	Latur	42	8	21	66	145	57	64	327	52	..	35	414	49	95	155	64	72	435
15.	Nagpur	3	..	..	5	13	8	1	26	..	..	2	28	3	..	1	3	22	29
16.	Nanded	323	96	81	48	72	133	73	680	14	..	55	749	117	276	188	70	120	771
17.	Nasik	1	18	..	..	..	..	3	18	..	..	1	19	7	7	3	2	..	19
18.	Osmanabad	56	10	15	47	47	9	49	135	..	..	..	135	23	31	31	32	18	135
19.	Parbhani	2	..	1	1	5	3	..	12	..	..	..	12	4	2	2	1	3	12
20.	Pune	..	..	3	5	7	10	16	14	..	1	..	15	5	12	2	..	2	21
21.	Raigad	..	..	..	..	1	..	..	1	..	..	..	1	..	1	..	..	..	1
22.	Ratnagiri	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
23.	Sangli	10	2	1	12	13	3	10	46	..	..	..	46	18	12	12	12	..	54
24.	Satara	..	..	..	2	..	12	3	8	3	..	..	11	..	2	6	3	3	14
25.	Sindhudurg	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
26.	Solapur	13	6	1	22	34	36	10	96	5	..	..	101	14	26	34	31	9	114
27.	Thane	60	6	6	12	14	36	2	130	2	..	..	132	22	23	16	16	55	132
28.	Wardha	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
29.	Yavatmal	2	..	..	..	..	..	1	1	..	..	..	1	..	1	..	..	1	2
	STATE TOTAL	928	212	184	378	533	547	537	3,991	130	3	139	4,263	1,884	952	926	386	486	4,634

MINOR IRRIGATION CENSUS IN MAHARASHTRA FOR 1986-87

SCHEDULE B-2 DISTRICT LEVEL ABSTRACT OF MAHARASHTRA—(SHALLOW TUBE WELLS)—*Contd.*

STATE : MAHARASHTRA

Sl. No.	Name of District	No. of wells according to category of Owners				Average hours of Elec.Avbl per day	Culturable command Area (In HA.)	Gross Irri. Pot. created (In HA.)	Seasonwise area irrigated by tube wells (IN HA.)					Seasonwise area irrigated by other sources (In HA.)				
		Sch. Caste	Sch. Tribe	Others	Total				Kharif	Rabi	Perennial	Others	Total (28-31)	Kharif	Rabi	Perennial	Others	Total (33-36)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
1.	Ahmednagar	12	2	327	341	8	761	590	177	266	168	15	626	..	..	..	..	..
2.	Akola	..	..	14	14	..	104	87	38	21	34	20	113	..	..	..	..	..
3.	Amravati	1	..	28	29	..	120	120	4	9	79	6	98	..	..	..	..	..
4.	Aurangabad	1	2	45	48	..	97	50	3	30	20	6	59	..	..	..	..	..
5.	Beed	..	..	105	105	..	257	213	16	93	45	32	186	8	26	5	14	53
6.	Bhandara	..	..	7	7	6	18	17	9	..	..	4	13	6	..	..	..	6
7.	Buldhana	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8.	Chandrapur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9.	Dhule	3	25	1,498	1,526	..	3,000	4,556	1,310	1,367	1,817	182	4,676	254	345	..	5	604
10.	Gadchiroli	11	7	307	325	..	572	570	126	417	2	..	545	..	..	..	..	..
11.	Jalgaon	3	..	65	68	21	256	215	34	28	80	2	144	..	..	..	..	..
12.	Jalna	..	..	71	71	..	149	112	35	41	26	..	102	..	1	..	..	1
13.	Kolhapur	5	..	115	120	..	165	173	41	40	70	4	155	1	1	6	1	9
14.	Latur	3	9	423	435	5	1,125	773	93	154	272	48	567	21	..	3	..	24
15.	Nagpur	..	..	29	29	..	31	32	35	21	7	2	65	29	7	..	1	37
16.	Nanded	59	69	531	659	..	1,423	1,263	198	108	950	166	1,422	815	2	..	41	858
17.	Nasik	..	..	18	18	..	13	33	29	5	3	..	37	25	20	2	..	47
18.	Osmanabad	2	..	154	156	..	457	381	138	136	79	12	365	..	..	..	..	..
19.	Parbhani	1	..	11	12	..	26	27	5	11	15	1	32	1	6	2	1	10
20.	Pune	1	..	27	28	..	29	13	11	11	5	1	28	..	..	..	..	..
21.	Raigad	..	..	1	1	..	..	8	..	..	..	..	..	..	..	..	..	..
22.	Ratnagiri	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
23.	Sangli	..	..	65	65	5	37	35	5	8	14	1	28	..	..	..	..	..
24.	Satara	..	..	6	6	..	39	39	..	..	..	..	..	..	..	..	..	..
25.	Sindhudurg	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
26.	Solapur	2	..	110	112	..	..	147	47	75	29	..	151	423	933	457	41	1,854
27.	Thane	2	3	127	132	..	431	341	71	81	78	42	272	..	17	4	7	28
28.	Wardha	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
29.	Yavatmal	..	..	2	2	8	4	4	..	..	2	..	2	..	..	..	..	..
	STATE TOTAL	106	117	4,086	4,309	2	9,114	9,799	2,425	2,922	3,795	544	9,686	1,583	1,358	479	111	3,531

MINOR IRRIGATION CENSUS IN MANIPUR FOR 1986-87

SCHEDULE B-2 DISTRICT LEVEL ABSTRACT OF MANIPUR (SHALLOW TUBE WELLS)

STATE : MANIPUR

Sl. No.	Name of District	Yearwise No. of shallow tube wells commissioned during						No. of wells not in use	No. of shallow tubewells in use with lifting Devices					No. of tube wells in use according to land holding size (IN HA.)					
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Electric Pump	Diesel Pump	Manual Lift	Other Devices	Total (10-13)	0-1	1-2	2-4	4-6	>6	Total (15-19)
1		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Bishenpur	..	..	3	17	..	..	2	..	..	20	..	20	..	..	..	..	20	20
2.	Chendal	..	..	..	2	7	30	4	..	..	39	..	39	..	..	..	..	39	39
3.	Churachandpur	..	..	10	42	18	7	8	..	..	77	..	77	..	..	..	..	77	77
4.	Imphal	..	14	17	..	42	52	25	..	..	125	..	125	..	..	..	..	125	125
5.	Senapati.	..	18	24	42	5	..	20	..	..	89	..	89	..	..	..	..	89	89
6.	Tamenlong	..	..	..	..	6	15	10	..	..	21	..	21	..	..	..	..	21	21
7.	Thoubal	..	2	6	2	19	34	5	..	..	63	..	63	..	..	..	..	63	63
8.	Ukhrul	..	..	..	..	1	59	24	..	..	60	..	60	..	..	..	..	60	60
	STATE TOTAL	..	34	60	105	98	197	98	..	..	494	..	494	..	..	..	..	494	494

Sl. No.	Name of District	No. of wells according to category of owners				Average hours of Elec.Avbl per day	Culturable command Area (IN HA.)	Gross Irri. pot. created (IN HA.)	Seasonwise area irrigated by tube wells (IN HA.)					Seasonwise area irrigated by other sources (IN HA.)				
		Sch. caste	Sch. Tribe	Other	Total				Kharif	Rabi	Perennial	Others	Total (28 to 31)	Kharif	Rabi	Perennial	Others	Total (33 to 36)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
1.	Bishenpur	..	..	20	20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2.	Chendal	..	39	..	39	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Churachandpur	..	77	..	77	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4.	Imphal	7	4	114	125	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5.	Senapati	..	89	..	89	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6.	Tamenlong	..	21	..	21	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7.	Thoubal	3	1	59	63	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8.	Ukhrul	..	60	..	60	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	STATE TOTAL	10	291	193	494	..	..	..	..	..	..	..	..	..	..	..	..	..	..

MINOR IRRIGATION CENSUS IN MEGHALAYA FOR 1986-87

SCHEDULE B-2 DISTRICT LEVEL ABSTRACT OF MEGHALAYA (SHALLOW TUBE WELLS)

STATE : MEGHALAYA

Sl. No.	Name of district	Yearwise No. of shallow tube wells commssioned during						No. of wells not in use	No. of shallow tube well in use with lifting device					No. of tube wells in use according to land holding size (In HA)					
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Electric Pump	Diesel Pump	Manual Lift	Other Devices	Total (10-13)	0-1	1-2	2-4	4-6	>6	Total (15-19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	East Garo Hills	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2.	East Khasi Hills	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Jaintia Hills	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4.	West Garo Hills	625	..	..	..	..	..	215	..	410	..	..	410	410	215	..	..	..	625
5.	West Khasi Hills	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	STATE TOTAL	**625**	..	..	..	..	..	**215**	..	**410**	..	..	**410**	**410**	**215**	..	..	..	625

Sl. No.	Name of District	No. of wells according to category of owners				Average hours of Elec. Avbl. per day	Culturable command Area (in HA.)	Gross Irri.Pot. created (in HA.)	Seasonwise area irrigated by tube wells (in HA.)					Seasonwise area irrigated by other sources (in HA.)				
		Sch. Caste	Sch. tribe	Others	Total				Kharif	Rabi	Perennial	Other	Total (28 to 31)	Kharif	Rabi	Perenniel	Other	Total (33 to 36)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
1.	East Garo Hills	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2.	East Khasi Hills	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Jaintia Hills	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4.	West Garo Hills	7	51	567	625	..	8,580	10,337	3,683	344	21	5	4,053	..	..	..	..	..	..
5.	West Khasi Hills	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	STATE TOTAL	7	51	567	625	..	8,580	10,337	3,683	344	21	5	4,053	..	..	..	..	..	..

MINOR IRRIGATION CENSUS IN ORISSA FOR 1986-87

SCHEDULE B-2 DISTRICT LEVEL ABSTRACT OF ORISSA (SHALLOW TUBEWELLS)

STATE : ORISSA

Sl. No.	Name of District	Yearwise No. of shallow Tube wells commissioned during						No. of wells not in use	No. of shallow Tubewells in use with lifting devices					No. of tube wells in use according to land holding size (in HA.)					
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Electric Pump	Diesel Pump	Manual Lift	Other devices	Total (10-13)	0-1	1-2	2-4	4-6	<6	Total (15-19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Balasore.	355	195	260	360	346	463	151	848	974	1	5	1,828	304	578	593	212	141	1,828
2.	Bolanger	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Cuttack .	1,184	423	437	437	282	206	728	2,136	104	..	1	2,241	300	476	565	202	698	2,241
4.	Dhenkanal	5	..	..	..	..	..	2	1	..	..	2	3	..	..	..	..	3	3
5.	Ganjam	553	24	36	32	16	23	103	577	4	..	..	581	44	70	98	43	326	581
6.	Kalahandi	2	—	—	2	1	..	2	3	..	..	..	3	..	..	..	..	3	3
7.	Keonjhar	46	5	2	5	5	2	28	37	..	..	..	37	2	1	..	1	33	37
8.	Koraput.	223	24	21	31	19	14	36	296	..	..	..	296	41	27	70	18	140	296
9.	Mayurbharj	19	24	3	15	11	5	11	61	2	1	2	66	1	6	9	5	45	66
10.	Phulbani	..	..	—	—	—	—	—	..	..	..	..	..	..	..	..	..	..	..
11.	Puri	208	178	161	116	107	88	69	743	39	2	5	789	192	260	201	72	64	789
12.	Sambalpur	1	—	—	..	—	—	—	1	..	..	..	1	..	..	..	..	1	1
13.	Sundargarh	2	..	..	1	..	..	..	3	..	..	..	3	..	..	..	2	1	3
	STATE TOTAL	**2,598**	**873**	**920**	**999**	**787**	**801**	**1,130**	**4,706**	**1,123**	**4**	**15**	**5,848**	**884**	**1,418**	**1,536**	**555**	**1,455**	**5,848**

MINOR IRRIGATION CENSUS IN ORISSA FOR 1986-87

SCHEDULE B-2 DISTRICT LEVEL ABSTRACT OF ORISSA (SHALLOW TUBE WELLS)—*Contd.*

STATE : ORISSA

Sl. No.	Name of District	No. of wells according to category of owners				Average Hours of Elec. Avbl. per day	Culturable command area (IN HA.)	Gross Irri. port. created (IN HA.)	Seasonwise area irrigated by tube wells (IN HA.)					Seasonwise area irrigated by other sources (IN HA.)				
		Sch. Caste	Sch. Tribe	Others	Total				Kharif	Rabi	Perennial	Others	Total (28 to 31)	Kharif	Rabi	Perennial	Others	Total (33 to 36)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
1.	Balasore	299	23	1,657	1,979	8	6,720	11,500	1,453	4,449	83	53	6,038	186	16	..	..	202
2.	Bolanger	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Cuttack	679	11	2,279	2,969	8	18,608	30,969	2,389	6,034	79	105	8,607	51	14	3	1	69
4.	Dhenkanal	..	..	5	5	8	5	10	2	1	..	..	3	..	..	..	..	..
5.	Ganjam	6	4	674	684	7	5,118	6,369	2,292	1,666	488	..	4,446	174	13	17	..	204
6.	Kalahandi	..	..	5	5	6	34	65	26	22	..	..	48	..	..	..	..	..
7.	Keonjhar	..	..	65	65	7	839	883	96	134	..	..	230	..	..	..	..	..
8.	Koraput	..	2	330	332	6	3,111	3,799	2,119	929	15	4	3,067	8	..	..	..	8
9.	Mayurbhanj	..	2	75	77	7	755	1,250	301	303	8	..	612	..	..	..	..	..
10.	Phulbani	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11.	Puri	286	..	572	858	6	2,932	3,248	634	1,308	234	53	2,229	103	61	69	6	239
12.	Sambalpur	..	..	1	1	20	1	1	..	..	..	..	..	..	..	..	..	..
13.	Sundargarh	..	..	3	3	5	4	4	3	1	..	..	4	..	..	..	..	..
	STATE TOTAL	1,270	42	5,666	6,978	7	38,127	58,098	9,315	14,847	907	215	25,284	522	104	89	7	722

MINOR IRRIGATION CENSUS IN PUNJAB FOR 1986-87

SCHEDULE B-2 DISTRICT LEVEL ABSTRACT OF PUNJAB (SHALLOW TUBE WELLS)

STATE : PUNJAB

Sl. No.	Name of District	Yearwise No. of shallow tube wells commissioned during						No. of wells not in use	No. of shallow tube wells in use with lifting devices					No. of tube wells in use according to land holding size (IN HA.)					
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Electric Pump	Diesel Pump	Manual Lift	Other Devices	Total (10t o 13)	0-1	1-2	2-4	4-6	>6	Total (15 to 19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Amritsar	..	..	..	..	..	74,558	..	69,611	4,621	..	326	74,558	1,643	13,358	30,756	15,447	13,354	74,558
2.	Bathinda	..	..	..	..	..	44,341	..	9,823	24,693	7,505	2,320	44,341	2,366	6,686	13,441	10,350	11,498	44,341
3.	Faridkot	..	..	..	..	..	86,833	..	30,217	36,829	15,041	4,746	86,833	6,993	15,504	23,902	18,478	21,956	86,833
4.	Ferozepur	..	..	..	..	..	94,728	..	47,542	24,827	16,339	6,020	94,728	3,932	14,492	20,581	15,220	40,503	94,728
5.	Gurdaspur	..	..	..	..	..	49,464	..	43,814	5,180	..	470	49,464	1,590	12,272	20,044	8,477	7,081	49,464
6.	Hoshiarpur	..	..	..	..	..	47,412	..	25,575	8,821	11,711	1,305	47,412	4,872	11,650	14,831	7,700	8,359	47,412
7.	Jalandhar	..	..	..	..	..	83,952	..	54,517	23,188	5,008	1,239	83,952	8,533	28,155	32,538	9,994	4,732	83,952
8.	Kapurthala	..	..	..	..	..	40,597	..	23,647	13,822	3,050	78	40,597	1,299	5,181	11,329	10,480	12,308	40,597
9.	Ludhiana	..	..	..	..	..	1,16,124	..	58,040	27,271	26,245	4,568	1,16,124	4,426	12,616	37,651	21,945	39,486	1,16,124
10.	Patiala	..	..	..	..	..	1,00,378	..	55,002	28,723	16,312	341	1,00,378	3,052	13,551	28,915	17,734	37,126	1,00,378
11.	Ropar	..	..	..	..	..	21,848	..	10,321	7,354	4,007	166	21,848	1,533	4,240	7,413	4,401	4,261	21,848
12.	Sangrur	..	..	..	..	..	1,09,740	..	56,472	31,305	20,947	1,016	1,09,740	7,750	28,440	8,44,195	18,128	11,227	9,09,740
	STATE TOTAL	..	..	..	..	..	8,69,975	..	4,84,581	2,36,634	1,26,165	22,595	8,69,975	47,989	1,66,145	10,85,596	1,58,354	2,11,891	16,69,975

Sl. No.	Name of District	No. of wells according to category of owners				Average hours of Elec. Avbl. per day	Culturable command Area (IN HA.)	Gross Irri.Pot. Created (IN HA.)	Seasonwise area irrigated by tube wells (IN HA.)					Seasonwise area irrigated by other sources (IN HA.)				
		Sch. Caste	Sch. Tribe	Others	Total				Kharif	Rabi	Perennial	Others	Total (28 to 31)	Kharif	Rabi	Perennial	Others	Total (33 to 36)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
1.	Amritsar	203	..	74,355	74,558	8	2,62,099	5,01,722	2,17,550	2,25,188	4,597	5,113	4,52,448	83,179	79,276	7,488	7,009	1,76,952
2.	Bathinda	888	..	43,453	44,341	..	1,37,453	2,28,420	98,587	98,041	858	64	1,97,550	1,05,930	1,03,283	570	63	2,14,846
3.	Faridkot	1,059	..	85,774	86,833	13	2,34,981	2,83,219	1,82,868	1,99,370	17	59	3,82,314	1,12,087	1,21,202	..	45	2,33,334
4.	Ferozepur	3,215	..	91,513	94,728	9	3,10,340	4,98,421	2,30,303	2,37,552	3,831	5,758	4,77,444	1,62,670	1,63,716	2,205	4,833	3,33,424
5.	Gurdaspur	719	..	48,745	49,464	..	1,46,310	2,67,948	1,29,461	1,26,926	6,890	2,893	2,66,170	13,770	10,646	708	..	25,124
6.	Hoshiarpur	2,292	..	45,120	47,412	10	1,44,764	2,62,190	1,04,136	1,16,492	11,313	4,695	2,36,636	3,650	4,914	801	4	9,369
7.	Jalandhar	4,207	..	79,745	83,952	9	2,22,330	4,20,106	1,99,917	2,00,545	17,692	1,948	4,20,102	3,853	3,854	273	20	8,000
8.	Kapurthala	2,645	..	37,952	40,597	9	1,13,974	1,93,585	95,462	97,120	807	196	1,93,585	..	..	..	..	..
9.	Ludhiana	2,436	..	1,13,688	1,16,124	11	2,83,891	5,33,766	2,52,901	2,54,856	5,857	995	5,14,609	13,205	13,238	209	16	26,668
10.	Patiala	2,028	..	98,350	1,00,378	..	3,04,852	5,71,566	2,64,721	2,95,307	9,415	2,120	5,71,563	..	..	..	..	..
11.	Ropar	557	..	21,291	21,848	11	57,802	1,00,445	38,267	42,774	7,424	1,289	89,754	934	945	360	1	2,240
12.	Sangrur	1,355	..	1,08,385	1,09,740	9	3,56,212	6,99,820	3,43,063	3,43,798	1,055	255	6,88,171	15,729	14,829	45	..	30,603
	STATE TOTAL	21,604	..	8,48,371	8,69,975	7	25,75,008	46,60,308	21,57,236	22,37,969	69,756	25,385	44,90,346	5,15,007	5,20,903	12,659	11,991	10,60,560

MINOR IRRIGATION CENSUS IN TAMIL NADU FOR 1986-87

SCHEDULE B-2 DISTRICT LEVEL ABSTRACT OF TAMIL NADU (SHALLOW TUBE WELLS)

STATE : TAMIL NADU

Sl. No.	Name of District	Yearwise No. of shallow tube wells commissioned during						No. of wells not in use	No. of shallow tube wells in use with lifting devices					No. of tube wells in use according to land holding size (IN HA.)					
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Electric Pump	Diesel Pump	Manual Lift	Other Devices	Total (10—13)	0-1	1-2	2-4	4-6	>6	Total (15—19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Anna	21	..	..	..	2	10	..	22	11	..	..	33	12	8	9	..	4	33
2.	Chenglepet	6,516	364	254	262	269	221	509	6,845	462	49	21	7,377	2,310	1,971	1,736	812	1057	7,886
3.	Coimbatore	11	3	..	..	3	25	10	31	..	..	1	32	2	4	20	8	8	42
4.	Dharmapuri	3	3	..	..	..	1	1	5	1	..	..	..	1	2	3	1	..	7
5.	Kamarajar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6.	Kanniyakumari	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7.	Madurai	191	35	50	57	54	166	65	331	151	..	6	488	141	145	71	41	155	553
8.	Nilgiris	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9.	North Arcot	78	70	4	13	38	29	9	181	42	..	..	223	84	47	33	4	64	232
10.	P. Muthuramalingam.	104	8	9	23	8	12	12	113	35	..	4	152	47	13	10	19	75	164
11.	Periyar	..	..	..	..	1	6	1	2	4	..	..	6	4	2	1	..	..	7
12.	Pudukottai	382	14	49	42	19	49	14	227	308	3	3	541	306	149	73	14	13	555
13.	Ramanathapuram	63	12	10	27	32	19	3	121	39	..		160	76	37	28	9	13	163
14.	Salem	13	..	..	..	33	124	22	138	8	..	2	148	80	38	24	7	21	170
15.	South Arcot	36,988	1,545	1,324	1,158	627	605	725	36,836	4,666	7	13	41,522	20,417	9,488	6,893	3,525	1,924	42,247
16.	Tenjavur	14,291	6,417	4,679	4,255	3,498	2,282	223	19,651	15,548	..	..	35,199	12,363	12,205	7,545	2,270	1,039	35,422
17.	Tiruchirapalli	6,079	952	900	927	762	710	980	3,255	6,095	..	..	9,350	4,712	3,175	1,747	392	304	10,330
18.	Tirunelveli	1	..	..	..	..	..	..	1	..	..	..	1	1	..	..	..	..	1
19.	V.O. Chidambaramar	123	..	5	4	7	7	11	124	11	..	..	135	24	45	41	11	25	146
	STATE TOTAL	64,864	9,423	7,284	6,768	5,353	4,266	2,585	67,883	27,381	59	50	95,373	40,580	27,329	18,234	7,113	4,702	97,958

MINOR IRRIGATION CENSUS IN TAMIL NADU FOR 1986-87

SCHEDULE B-2 DISTRICT LEVEL ABSTRACT OF TAMIL NADU—(SHALLOW TUBE WELLS)—*Contd.*

STATE : TAMIL NADU

Sl. No.	Name of District	No. of wells according to catagory of owners				Average hours of Elec. Avbl. per day	Culturable command Area (In HA.)	Gross Irri.pot. Created (In HA.)	Seasonwise area irrigated by tube wells (In HA.)					Seasonwise area irrigated by other sources (In HA.)				
		Sch. Caste	Sch. Tribe	Others	Total				Kharif	Rabi	Perennial	Others	Total (28 to 31)	Kharif	Rabi	Perennial	Others	Total (33 to 36)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
1.	Anna	..	..	33	33	12	30	30	..	12	32	3	47	2	8	2	..	12
2.	Chenglepet	713	3	7,170	7,886	18	18,389	16,084	8,003	6,698	609	269	15,579	886	981	105	8	1,980
3.	Coimbatore	..	..	42	42	14	100	103	7	2	51	..	60	..	..	27	..	27
4.	Dharmapuri	..	..	7	7	6	6	6	..	..	..	..	..	..	..	..	..	..
5.	Kamarajar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6.	Kanniyakumari	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7.	Madurai	18	..	535	553	..	565	552	183	180	218	17	598	..	..	..	..	..
8.	Nilgiris	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9.	North Arcot	45	..	187	232	12	370	526	123	106	48	..	277	12	9	..	..	21
10.	P. Muthuramalingam	1	..	163	164	12	1,038	925	129	591	91	42	853	..	..	..	..	..
11.	Periyar	..	..	7	7	14	12	10	6	5	3	1	15	1	..	..	..	1
12.	Pudukotttai	38	..	517	555	..	512	530	59	384	59	2	504	37	419	35	..	491
13.	Ramanathapuram	15	..	148	163	..	366	364	59	302	..	4	365	..	..	..	..	..
14.	Salem	5	..	165	170	7	95	80	36	13	16	12	77	..	..	..	..	..
15.	South Arcot	2,000	14	40,233	42,247	..	70,900	75,090	27,181	26,434	14,717	4,476	72,808	3,939	11,626	954	200	16,719
16.	Tenjavur	1,722	1	33,699	35,422	12	98,012	64,082	29,661	20,175	8,709	3,395	61,940	11,754	21,133	2,657	765	36,309
17.	Tiruchirapalli	497	3	9,830	10,330	..	10,506	12,192	3,530	2,452	2,967	716	9,665	1,140	860	1,914	96	4,010
18.	Tirunelveli	1	..	..	1	6	1	..	..	..	..	..	..	..	..	..	..	..
19.	V.O. Chidambaramar	3	5	138	146	6	233	376	122	101	32	6	261	..	..	..	..	..
	STATE TOTAL	5,058	26	92,874	97,958	119	2,01,135	1,70,950	69,099	57,455	27,552	8,943	1,63,049	17,771	35,036	5,694	1,069	59,570

MINOR IRRIGATION CENSUS IN TRIPURA FOR 1986-87

SCHEDULE B-2 DISTRICT LEVEL ABSTRACT OF TRIPURA (SHALLOW TUBE WELLS)

STATE : TRIPURA

Sl. No.	Name of District	Yearwise No. of shallow tubewells commissioned during						No. of wells not in use	No. of shallow tubewells in use with lifting devices					No. of tube wells in use according to land holding size (In HA.)					
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Electric Pump	Diesel Pump	Manual Lift	Other Devices	Total (10-13)	0-1	1-2	2-4	4-6	>6	Total (15-19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	North Tripura	29	4	13	2	..	1	27	1	1	..	20	22	7	10	3	..	2	22
2.	South Tripura	129	52	62	110	137	265	37	25	..	..	693	718	461	172	78	6	1	718
3.	West Tripura	1,653	464	513	625	940	1,839	458	49	1	26	5,500	5,576	3,399	1,582	247	48	300	5,576
	STATE TOTAL	**1,811**	**520**	**588**	**737**	**1,077**	**2,105**	**522**	**75**	**2**	**26**	**6,213**	**6,316**	**3,867**	**1,764**	**328**	**54**	**303**	**6,316**

Sl. No.	Name of District	No. of wells according to category of owners				Average hours of Elec. Avbl. per day	Culturable command Area (In HA.)	Gross Irri.Pot. created (In HA.)	Seasonwise area irrigated by tube wells (In HA.)					Seasonwise area irrigated by other sources (In HA.)				
		Sch. caste	Sch. Tribe	Others	Total				Kharif	Rabi	Perennial	Others	Total (28 to 31)	Kharif	Rabi	Perennial	Others	Total (33 to 36)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
1.	North Tripura . .	11	..	38	49	..	104	144	8	13	..	1	22	..	..	..	..	..
2.	South Tripura . .	123	60	572	755	5	544	640	253	202	9	16	480	23	25	1	1	50
3.	West Tripura . .	1,234	854	3,946	6034	5	2,639	3,505	1,296	1,663	199	682	3,840	174	128	14	1	317
	STATE TOTAL . .	1,368	914	4,556	6,838	3	3,287	4,289	1,557	1,878	208	699	4,342	197	153	15	2	367

MINOR IRRIGATION CENSUS IN UTTAR PRADESH FOR 1986-87

SCHEDULE B-2 DISTRICT LEVEL ABSTRACT OF UTTAR PRADESH (SHALLOW TUBE WELLS)

STATE : UTTAR PRADESH

Sl. No.	Name of District	Yearwise No. of shallow tube wells commissioned during						No. of wells not in use	No. of shallow tube wells in use with lifting devices					No. of tube wells in use according to land holding size (In HA.)					
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Electric Pump	Diesel Pump	Manual lift	Other Devices	Total (10-13)	0-1	1-2	2-4	4-6	>6	Total (15-19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Agra	..	..	..	..	..	..	1,042	8,093	34,858	..	272	43,223	9,004	13,175	12,857	5,226	2,961	43,223
2.	Aligarh	..	..	..	..	..	..	295	18,310	28,790	..	..	47,100	5,731	14,291	15,937	7,039	4,102	47,100
3.	Allahabad	..	..	..	..	..	..	378	8,395	16,313	30	..	24,738	6,788	9,557	6,037	1,813	543	24,738
4.	Almora	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5.	Azamgarh	..	..	..	..	..	..	157	24,246	29,321	..	18	53,585	19,145	20,082	10,882	2,508	968	53,585
6.	Bahraich	..	..	..	..	..	..	87	935	24,781	..	128	25,844	7,976	8,491	6,260	2,126	1,078	25,931
7.	Ballia	..	..	..	..	..	..	193	6,250	13,643	..	1	19,894	4,371	7,526	5,719	1,693	585	19,894
8.	Banda	..	..	..	..	..	..	90	830	2,788	4	8	3,630	462	617	860	833	838	3,610
9.	Barabanki	..	..	..	..	..	..	729	1,302	27,358	..	25	28,685	11,826	9,811	5,198	1,189	661	28,685
10.	Bareilly	..	..	..	..	..	..	381	2,023	31,112	..	4,666	37,801	12,649	13,779	8,481	2,247	645	37,801
11.	Basti	..	..	..	..	..	..	113	3,580	59,479	..	40	63,099	25,187	24,074	10,961	2,454	1,036	63,212
12.	Bijnor	..	..	..	..	..	..	652	17,439	36,160	..	2,453	56,052	2,294	18,969	17,086	5,835	1,898	46,082
13.	Budaun	..	..	..	..	..	..	773	6,498	33,163	..	574	40,235	9,251	14,146	11,712	3,516	1,610	40,235
14.	Bulandshaher	..	..	..	..	..	..	434	31,342	16,167	..	258	47,767	6,606	15,753	16,503	5,929	2,976	47,767
15.	Chamoli	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16.	Dehradun	..	..	..	..	..	..	36	165	206	..	1	372	83	133	87	38	31	372
17.	Deoria	..	..	..	..	..	..	338	3,046	40,486	74	66	43,672	19,065	15.619	6,584	1,501	703	43,472
18.	Etah	..	..	..	..	..	..	69	6,603	22,671	..	..	29,274	7,669	10,425	7,549	2,435	10,196	38,274
19.	Etawah	..	..	..	..	..	..	393	1,993	19,576	..	6	21,575	4,793	7,763	5,921	2,260	838	21,575
20.	Faizabad	..	..	..	..	..	..	133	12,905	28,457	9	74	41,445	14,517	16,472	7,109	7,920	1,568	47,586
21.	Farrukhabad	..	..	..	..	..	..	337	6,301	38,170	..	1	44,472	14,398	16,831	9,341	2,764	1,138	44,472
22.	Fatehpur	..	..	..	..	..	..	173	3,591	11,273	..	24	14,888	3,715	5,219	4,100	1,169	685	14,888
23.	Ghaziabad	..	..	..	..	..	..	231	13,100	14,603	..	74	27,777	6,600	9,739	8,059	2,488	891	27,777
24.	Ghazipur	..	..	..	..	..	..	125	16,181	9,883	..	..	26,064	7,765	10,310	5,761	1,664	564	26,064
25.	Gonda	..	..	..	..	..	..	176	1,541	55,007	..	419	56,967	25,720	17,998	9,585	2,325	1,339	56,967
26.	Gorakhpur	..	..	..	..	..	..	91	2,868	55,354	..	6	58,228	23,213	20,664	9,093	2,768	2,490	58,228
27.	Hamirpur	..	..	..	..	..	..	115	284	2,473	23	2	2,782	250	489	916	500	627	2,782
28.	Hardoi	..	..	..	..	..	..	797	679	29,400	58	16	30,153	11,031	10,027	5,581	2,017	1,497	30,153
29.	Jalaun	..	..	..	..	..	..	61	289	804	..	..	1,093	202	284	361	215	31	1,093
30.	Jaunpur	..	..	..	..	..	..	159	14,381	29,664	16	17	44,078	6,057	16,283	8,483	1,673	1,582	34,078
31.	Jhansi	..	..	..	..	..	..	2	669	146	..	..	815	..	..	..	..	..	..

32. Kanpur Dehat	..	..	..	..	..	..	461	1,884	23,432	..	56	25,372	9,927	8,289	5,135	1,519	502	25,372
33. Kanpur Nagar	..	..	..	..	..	..	121	1,904	4,861	..	..	6,765	1,632	2,838	1,766	422	107	6,765
34. Kheri	..	..	..	..	..	..	191	2,641	37,135	..	85	39,861	10,218	12,843	10,029	4,044	2,827	39,961
35. Lalitpur	..	..	..	..	..	..	..	11	..	..	..	11	..	..	..	2	9	11
36. Lucknow	..	..	..	..	..	..	156	2,542	10,743	..	9	13,294	4,538	5,762	2,299	638	213	13,450
37. Mainpuri	..	..	..	..	..	..	528	8,529	25,908	..	91	34,528	8,266	12,397	9,359	2,930	1,576	34,528
38. Mathura	..	..	..	..	..	..	145	5,872	14,178	..	530	20,580	5,127	9,981	9,671	3,823	1,978	30,580
39. Meerut	..	..	..	..	..	..	663	27,911	22,321	..	2,379	52,611	7,508	17,671	18,975	5,763	2,694	52,611
40. Mirzapur	..	..	..	..	..	..	160	1,478	2,151	..	55	3,684	645	1,574	609	353	503	3,684
41. Moradabad	..	..	..	..	..	..	694	11,919	76,317	163	2,785	91,184	34,353	29,521	20,248	5,724	1,338	91,184
42. Muzafffar Nagar	..	..	..	..	..	..	227	24,448	32,262	..	1,131	57,841	10,834	18,158	19,324	6,578	2,980	57,874
43. Nainital	..	..	..	..	..	..	225	3,885	11,220	..	831	15,936	2,234	4,747	4,722	2,513	1,720	15,936
44. Pauri Garhwal	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
45. Pilibhit	..	..	..	..	..	..	184	2,534	30,722	..	57	33,313	10,981	11,713	7,360	2,549	904	33,507
46. Pithoragarh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
47. Pratapgarh	..	..	..	..	..	..	203	3,641	20,284	..	6	23,931	9,740	9,216	3,956	682	540	24,134
48. Rai Bareili	..	..	..	..	..	..	698	6,289	14,192	2	31	20,514	6,769	7,655	4,355	876	859	20,519
49. Rampur	..	..	..	..	..	..	236	2,682	24,385	..	2,629	29,696	10,778	10,079	6,399	2,033	643	29,932
50. Saharanpur	..	..	..	..	..	..	1,436	16,413	50,376	..	91	66,880	12,928	21,067	22,248	7,517	3,120	66,880
51. Shahjahanpur	..	..	..	..	..	..	116	2,901	38,413	..	1,321	42,635	9,598	16,084	11,590	3,849	1,514	42,635
52. Sitapur	..	..	..	..	..	..	438	893	30,920	1	3,444	35,258	12,368	11,741	7,597	2,510	1,042	35,258
53. Sultanpur	..	..	..	..	..	..	253	5,530	18,318	..	4	23,852	8,684	9,256	4,596	958	358	23,852
54. Tehri Garhwal	..	..	..	..	..	..	..	..	6	..	..	6	1	..	..	..	5	6
55. Unnao	..	..	..	..	..	..	481	1,718	21,701	..	..	25,419	6,762	7,568	4,877	2,992	1,220	23,419
56. Uttarkashi	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
57. Varanasi	..	..	..	..	..	..	121	14,253	8,719	..	61	93,033	5,584	8,610	6122	1,927	790	23,033
STATE TOTAL	..	..	..	..	..	..	**16,297**	**3,63,717**	**12,30,670**	**380**	**24,745**	**16,19,512**	**4,55,843**	**5,65,297**	**3,97,760**	**1,34,347**	**71,523**	**16,24,770**

MINOR IRRIGATION CENSUS IN UTTAR PRADESH FOR 1986-87

SCHEDULE B-2 DISTRICT LEVEL ABSTRACT OF UTTAR PRADESH (SHALLOW TUBE WELLS)—*Contd.*

STATE : UTTAR PRADESH

Sl. No.	Name of District	No. of wells according to category of owners				Average Hours of Elec.Avbl. Per day	Culturable command Area (In HA.)	Gross Irri.pot. Created (In HA.)	Seasonwise area irrigated by tube wells (In HA.)					Seasonwise area irrigated by other sources (In HA.)				
		Sch. Caste	Sch. Tribe	Others	Total				Kharif	Rabi	Perennial	Others	Total (28 to 31)	Kharif	Rabi	Perennial	Others	Total (33 to 36)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
1.	Agra	3,774	8	39,441	43,223	7	1,62,466	2,05,240	31,069	1,41,398	1,988	4,532	1,78,987	875	17,882	857	239	19,853
2.	Aligarh	4,570	..	42,530	47,100	8	2,35,430	2,35,093	1,01,200	1,31,278	2,028	497	2,35,003	14,761	9,430	1,790	916	26,897
3.	Allahabad	1,809	5	22,924	24,738	8	93,498	1,28,405	1,18,189	60,218	4,373	5,624	1,88,404	1,972	3,155	92	163	5,382
4.	Almora	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5.	Azamgarh	5,469	..	48,116	53,585	8	2,15,870	3,29,559	1,07,317	1,43,657	28,263	16,456	2,95,693	9,982	11,858	2,381	2,391	26,612
6.	Bahraich	2,545	22	30,364	32,931	8	76,918	1,48,009	27,801	52,843	1,928	1,678	84,259	177	611	22	47	857
7.	Ballia	861	8	19,025	19,894	8	87,046	1,04,014	25,070	50,621	2,649	4,122	82,462	751	5,628	114	237	6,730
8.	Banda	159	..	3,571	3,630	10	15,790	20,695	5,519	11,086	344	469	17,418	15,009	2,614	13	26	17,662
9.	Barabanki	4,081	..	25,353	29,434	8	69,606	1,05,974	42,251	51,585	4,048	5,009	1,02,893	6,847	9,026	857	421	17,151
10.	Bareilly	2,989	..	35,193	38,182	8	74,780	1,15,017	46,519	54,906	1,773	3,605	1,06,803	1,817	2,154	119	154	4,244
11.	Basti	3,149	..	60,063	63,212	9	2,22,010	2,86,335	87,249	1,54,005	16,119	10,487	2,67,860	3,583	3,552	300	1,170	8,605
12.	Bijnor	5,399	45	50,638	56,082	8	1,56,289	1,73,861	81,688	66,850	18,788	6,534	1,73,860	14,761	9,430	1,790	916	26,897
13.	Budaun	3,350	..	36,885	40,235	8	1,65,709	2,02,797	62,682	1,04,099	6,637	6,368	1,79,786	1,872	2,909	65	132	4,978
14.	Bulandshaher	3,553	54	44,160	47,767	8	1,56,400	22,990	96,388	1,07,394	13,309	12,874	2,29,965	9,687	11,604	1,368	2,021	24,680
15.	Chamoli	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16.	Dehradun	1	..	371	372	..	1,297	2,221	897	784	243	128	2,052	22	14	..	8	44
17.	Deoria	2,104	..	41,906	44,010	8	1,59,722	2,17,632	79,706	1,12,138	20,168	5,619	2,17,631	5,234	6,797	1,680	182	13,893
18.	Etah	1,766	41	2,758	4,565	8	1,07,300	1,63,280	49,526	97,339	3,901	15,082	1,65,848	1,398	7,849	147	738	10,132
19.	Etawah	2,719	..	18,856	21,575	8	84,893	1,04,261	26,632	50,168	2,367	3,125	82,292	2,417	3,399	193	113	6,122
20.	Faizabad	2,994	..	38,584	41,578	8	1,89,254	2,01,249	66,886	97,324	13,811	8,424	1,86,445	8,596	13,907	2,165	10,517	35,185
21.	Farrukhabad	4,427	..	40,035	44,472	8	1,74,740	1,69,870	51,920	1,01,677	7,973	8,301	1,69,871	736	1,058	56	196	2,046
22.	Fatehpur	1,381	835	13,045	15,261	8	50,383	67,719	16,730	25,974	5,952	2,345	51,001	3,212	4,985	1,659	885	10,741
23.	Ghaziabad	955	..	26,822	27,777	8	83,044	1,39,838	60,910	61,103	10,098	2,761	1,34,872	1,412	1,882	395	166	3,855
24.	Ghazipur	2,099	..	23,965	26,064	8	1,30,320	2,74,744	34,245	67,224	4,770	3,655	1,09,894	1,641	3,385	402	113	5,541
25.	Gonda	4,258	11	52,698	56,967	8	1,97,743	1,85,420	48,827	1,21,974	8,640	5,979	1,85,420	1,644	2,650	332	1,080	5,706
26.	Gorakhpur	3,716	33	54,479	58,228	8	2,36,023	2,96,169	69,181	1,60,367	10,022	9,687	2,49,257	3,016	7,416	1,099	993	12,524
27.	Hamirpur	208	..	2,574	2,782	8	10,730	9,500	634	6,934	47	127	7,742	14	486	..	5	505
28.	Hardoi	6,277	34	23,842	30,153	8	1,00,791	1,09,394	23,337	64,624	1,097	1,135	90,193	9,302	2,708	159	229	12,398
29.	Jalaun	99	..	1,055	1,154	8	3,792	3,943	699	2,151	450	233	3,533	72	325	17	7	421
30.	Jaunpur	3,272	..	40,806	44,078	8	1,51,398	1,94,937	64,553	93,358	16,883	10,748	1,85,542	2,671	2,820	537	170	6,198
31.	Jhansi	63	..	754	817	8	2,445	2,650	207	2,266	15	42	2,530	19	510	..	5	534

32. Kanpur Dehat .	1,997	..	23,375	25,372	8	1,26,860	1,26,860	13,884	50,764	2,196	1,096	67,930	225	1,176	109	28	1,538
33. Kanpur Nagar .	493	..	6,272	6,765	8	28,950	33,910	9,494	17,444	962	864	28,764	506	895	2	20	1,423
34. Kheri . .	8,148	232	31,581	39,961	8	1,45,560	1,56,896	55,867	68,081	22,354	3,905	1,50,207	925	804	433	133	2,295
35. Lalitpur . .	..	..	11	11	8	117	131	17	107	7	..	131	..	..	..	..	..
36. Lucknow . .	3,129	..	10,321	13,450	8	67,250	80,725	18,040	22,014	1,728	2,193	43,975	230	1,209	75	28	1,542
37. Mainpuri . .	3,300	256	30,972	34,528	8	1,41,387	1,75,396	34,921	82,463	1,757	6,376	1,25,517	986	2,543	48	129	3,706
38. Mathura . .	2,441	..	28,139	30,580	8	1,08,920	1,46,457	23,814	70,280	2,634	3,953	1,00,681	1,560	4,678	150	430	6,818
39. Meerut . .	2,230	..	51,044	53,274	8	1,50,535	2,29,568	61,293	74,204	69,026	8,762	2,13,285	7,481	8,672	7,678	798	24,629
40. Mirzapur . .	99	2	3,583	3,684	8	15,081	17,659	4,916	11,538	670	535	17,659	1,567	1,630	21	30	3,248
41. Moradabad .	9,492	25	81,667	91,184	8	2,07,408	2,42,126	1,10,876	1,06,878	12,615	11,759	2,42,128	38,992	24,489	3,219	2,200	68,900
42. Muzaffarnagar . .	2,752	..	55,122	57,874	9	1,54,325	2,07,713	89,814	83,200	34,055	9,092	2,16,161	32,209	28,269	14,695	5,356	80,529
43. Nainital . .	794	2,305	13,062	16,161	18	64,568	89,474	37,235	34,560	9,478	1,709	82,982	1,117	1,074	676	25	2,892
44. Pauri Garhwal .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
45. Pilibhit . .	3,117	461	8,29,919	8,33,497	8	74,374	1,26,812	54,853	56,560	4,729	2,841	1,18,983	3,265	1,776	388	62	5,491
46. Pithoragarh. .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
47. Pratapgarh .	994	..	23,140	24,134	8	92,897	1,18,480	32,464	63,793	4,567	5,405	1,06,229	2,697	2,442	192	573	5,904
48. Rai Bareili . .	1,726	43	21,312	23,081	8	83,883	1,03,183	36,728	53,686	5,564	4,685	1,00,663	3,730	5,293	555	575	10,153
49. Rampur . .	2,402	..	27,530	29,932	8	60,473	83,468	45,148	44,505	2,067	1,505	93,225	2,953	3,656	167	92	6,868
50. Saharanpur .	5,348	..	61,532	66,880	8	1,74,520	2,82,093	1,48,201	1,08,631	2,314	11,815	2,70,961	22,721	18,592	430	3,787	45,530
51. Shahjahanpur .	4,326	..	38,425	42,751	8	91,048	1,41,965	62,997	66,157	9,655	3,145	1,41,964	1,718	1,804	153	80	3,755
52. Sitapur . .	6,946	17	28,295	35,258	8	1,29,225	1,26,366	36,375	62,713	10,643	4,413	1,14,144	3,014	2,217	687	71	5,989
53. Sultanpur . .	907	1	22,944	23,852	8	80,460	1,03,381	33,816	48,575	7,304	4,193	93,888	6,110	7,615	1,903	747	16,375
54. Tehri Garhwal .	..	..	6	6	..	6	8	5	3	..	..	8	..	..	..	..	..
55. Unnao . .	3,425	..	19,994	23,419	8	1,10,512	1,12,711	35,993	52,123	5,903	8,863	1,02,887	2,187	4,541	573	485	7,786
56. Uttarkashi . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
57. Varanasi . .	962	..	22,071	23,033	8	1,07,754	1,07,754	23,309	55,818	1,080	..	89,207	7,375	11,172	..	..	18,547
STATE TOTAL .	1,43,085	4,438	22,71,030	24,18,553	87	56,31,800	70,33,952	24,06,892	34,29,432	4,20,007	2,52,764	65,09,095	2,65,068	2,84,591	50,763	39,889	6,40,311

MINOR IRRIGATION CENSUS IN WEST BENGAL FOR 1986-87

SCHEDULE B-2 DISTRICT LEVEL ABSTRACT OF WEST BENGAL (SHALLOW TUBE WELLS)

STATE : WEST BENGAL

Sl. No.	Name of District	Yearwise No. of shallow tube wells Commissioned during						No. of wells not in use	No. of shallow tube wells in use with lifting devices					No. of tube wells in use according to land holding size (IN HA.)					
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Electric Pump	Diesel Pump	Manual lift	Other devices	Total (10—13)	0-1	1-2	2-4	4-6	>6	Total (15—19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Bankura	..	..	..	..	..	..	167	898	11,786	174	144	13,002	3,532	5,221	3,315	695	406	13,169
2.	Birbhum	..	..	..	..	..	..	263	2,272	12,384	3	2	14,661	3,435	5,644	4,165	1,052	628	14,924
3.	Burdwan	..	..	..	..	..	..	661	3,130	33,446	471	..	37,047	8,453	13,091	10,681	3,010	2,035	37,270
4.	Cooch Behar	..	..	..	..	..	..	458	245	8,218	2,730	138	11,331	4,193	4,283	2,292	567	364	11,699
5.	Darjeeling	..	..	..	..	..	..	73	21	99	692	2	814	662	163	50	10	2	887
6.	Hooghly	..	..	..	..	..	..	982	3,131	20,365	13	3	23,512	8,062	9,102	4,869	1,019	877	23,929
7.	Howrah	..	..	..	..	..	..	20	64	1,111	2	..	1,177	591	406	140	16	14	1,167
8.	Jalpaiguri	..	..	..	..	..	..	351	80	1,504	2,784	2	4,370	3,531	824	294	46	26	4,721
9.	Malda	..	..	..	..	..	..	305	1,094	18,918	26	63	20,101	5,699	8,792	4,487	826	323	20,127
10.	Midnapore	..	..	..	..	..	..	916	3,750	38,492	422	1,125	43,789	18,647	15,279	8,114	1,382	1,081	44,503
11.	Murshidabad	..	..	..	..	..	..	663	3,224	49,242	233	..	52,699	17,179	19,829	11,383	2,606	1,070	52,067
12.	Nadia	..	..	..	..	..	..	408	10,481	50,369	287	..	61,137	16,411	23,878	14,613	3,706	2,164	60,772
13.	North 24-Parganas	..	..	..	..	..	..	383	4,164	50,524	29	36	54,753	21,526	18,259	11,307	2,668	1,068	54,828
14.	Purulia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
15.	South 24-Parganas	..	..	..	..	..	..	46	4	5,272	229	4	5,509	3,067	1,678	592	113	56	5,506
16.	West Dinajpur	..	..	..	..	..	..	307	679	21,891	68	2	22,640	4,362	8,411	6,994	2,062	918	22,747
	STATE TOTAL	..	..	..	..	..	..	6,003	33,237	3,23,621	8,163	1,521	3,66,542	1,19,350	1,34,860	83,296	19,778	11,032	3,68,316

MINOR IRRIGATION CENSUS IN WEST BENGAL FOR 1986-87

SCHEDULE B-2 DISTRICT LEVEL ABSTRACT OF WEST BENGAL(SHALLOW TUBE WELLS(—*Contd.*

STATE : WEST BENGAL

Sl. No.	Name of District	No. of wells according to catagory of owners				Average hours of Elec.Avbl. per day	Culturable command Area (IN HA.)	Gross Irri.Pot. created (IN HA.)	Seasonwise area irrigated by tube wells (IN HA.)					Seasonwise area irrigated by other sources (IN HA.)				
		Sch. Caste	Sch. Tribe	Others	Total				Kharif	Rabi	Perennial	Others	Total (28 to 31)	Kharif	Rabi	Perennial	Others	Total (33 to 63)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
1.	Bankura	2,092	130	10,947	13,169	8	22,385	43,726	11,916	14,499	505	9,513	36,433	2,349	227	12	165	2,753
2.	Birbhum	1,925	316	12,683	14,924	9	25,674	40,187	9,413	13,276	663	10,787	34,139	6,653	624	46	218	7,541
3.	Burdwan	3,642	452	33,176	37,270	8	64,578	1,01,173	25,973	33,762	1,656	28,516	89,907	13,954	1,237	86	2,670	17,947
4.	Cooch Behar	6,404	76	5,219	11,699	6	12,263	13,877	3,118	7,106	134	1,246	11,604	11	179	..	17	207
5.	Darjeeling	582	105	200	887	..	486	656	62	248	2	78	390	13	7	..	4	24
6.	Hooghly	2,138	262	21,529	23,929	9	48,327	70,222	21,651	28,077	342	11,867	61,937	1,256	462	11	267	1,996
7.	Howrah	87	..	1,080	1,167	8	2,246	3,217	704	1,536	6	378	2,624	99	25	..	7	131
8.	Jalpaiguri	3,230	345	1,146	4,721	9	4,791	7,567	1,585	1,940	766	268	4,559	1,092	139	8	188	1,427
9.	Malda	3,182	388	16,557	20,127	8	53,398	67,171	15,078	23,668	1,459	19,104	59,309	155	125	3	295	578
10.	Midnapore	4,033	1,328	39,142	44,503	9	1,11,528	1,31,463	17,769	83,330	1,378	8,619	1,11,096	1,691	1,421	40	168	3,320
11.	Murshidabad	2,183	123	49,761	52,067	9	96,515	1,47,371	53,420	64,216	2,554	17,140	1,37,330	872	609	135	392	2,008
12.	Nadia	12,367	470	47,935	60,772	9	39,790	1,56,352	58,518	58,225	2,484	15,852	1,35,079	632	546	103	170	1,451
13.	North 24-Parganas	10,752	308	43,768	54,828	9	78,937	1,19,052	40,018	49,044	1,602	19,703	1,10,367	263	281	39	150	733
14.	Purulia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
15.	South 24-Parganas	1,299	19	4,188	5,506	..	8,782	12,040	2,219	6,253	245	1,947	10,664	23	16	..	..	39
16.	West Dinajpur	6,638	1,218	14,891	22,747	8	54,807	80,401	14,157	30,676	481	17,903	63,217	55	87	9	43	194
	STATE TOTAL	**60,554**	**5,540**	**3,02,222**	**3,68,316**	**7**	**6,24,507**	**9,94,475**	**2,75,601**	**4,15,856**	**14,277**	**1,62,921**	**8,68,655**	**29,118**	**5,985**	**492**	**4,754**	**40,349**

MINOR IRRIGATION CENSUS IN CHANDIGARH (UT) FOR 1986-87

SCHEDULE B-2 DISTRICT LEVEL ABSTRACT OF CHANDIGARH(UT)

(SHALLOW TUBE WELLS)

STATE : CHANDIGARH(UT)

Sl. No.	Name of District	Yearwise No. of Shallow tube wells commissioned during						No. of wells not in use	No. of Shallow tube wells in use with lifting devices					No. of tube wells in use according to land holding size (IN HA.)					
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Electric Pump	Diesel Pump	Mannual Lift	Other Devices	Total (10 to 13)	0-1	1-2	2-4	4-6	>6	Total (15 to 19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Chandigarh	306	7	5	2	..	..	153	156	11	..	..	167	144	10	11	7	8	180
	STATE TOTAL	**306**	**7**	**5**	**2**	..	..	**153**	**156**	**11**	..	..	**167**	**144**	**10**	**11**	**7**	**8**	**180**

Sl. No.	Name of District	No. of Wells According to catagery of owners				Average hours of Elec.Avbl per day	Culturable command Area (IN HA.)	Gross Irri.Pot. created (IN HA.)	Seasonwise area irrigated by tube wells (IN HA.)					Seasonwise area irrigated by other sources (IN HA.)				
		Sch. Caste	Sch. Tribe	Others	Total				Kharif	Rabi	Perennial	Others	Total (28 to 31)	Kharif	Rabi	Perennial	Others	Total (33 to 36)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
1.	Chandigarh	..	..	310	310	..	701	1,411	346	341	76	74	837	..	..	..	..	..
	STATE TOTAL	..	..	**310**	**310**	..	**701**	**1,411**	**346**	**341**	**76**	**74**	**837**	..	..	..	..	..

MINOR IRRIGATION CENSUS IN DADRA NAGAR HAVELI FOR 1986-87
SCHEDULE B-2 DISTRICT LEVEL ABSTRACT OF DADRA NAGAR HAVELI
(SHALLOW TUBE WELLS)

STATE : DADRA NAGAR HAVELI

Sl. No.	Name of District	Yearwise No. of shallow tubewells commissioned during						No. of wells not in use	No. of shallow tube wells in use with lifting devices					No. of tubewells in use according to land holding size (in HA.)					
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Electric Pump	Diesel Pump	Manual Lift	Other Devices	Total (10-13)	0-1	1-2	2-4	4-6	>6	Total (15-19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Dadra Nagar Haveli	..	..	..	..	..	..	..	6	1	..	..	7	..	..	1	6	..	7
STATE TOTAL		..	..	..	..	..	..	..	6	1	..	..	7	..	..	1	6	..	7

Sl. No.	Name of District	No. of wells according to category of owners				Average hours of Elec. Avb. per day	Cultur-able Com-mand Area (in HA.)	Gross Irri. Pot Created (in HA.)	Seasonwise area irrigated by tube wells (in HA.)					Seasonwise area irrigated by other sources (in HA.)				
		Sch. Caste	Sch. Tribe	Others	Total				Kharif	Rabi	Perennial	Others	Total (28 to 31)	Kharif	Rabi	Perennial	Others	Total (33 to 36)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
1.	Dadra Nagar Haveli	..	1	6	7	..	48	71	30	27	6	..	63	..	..	..	..	..
STATE TOTAL		..	1	6	7	..	48	71	30	27	6	..	63	..	..	..	..	..

MINOR IRRIGATION CENSUS IN DAMAN & DIU(UT) FOR 1986-87

SCHEDULE B-2 DISTRICT LEVEL ABSTRACT OF DAMAM & DIU (UT)

(SHALLOW TUBE WELLS)

STATE : DAMAN & DIU (UT)

Sl. No.	Name of District	Yearwise No. of shallow tube wells commissioned during						No. of wells not in use	No. of shallow tube wells in use with lifting devices					No. of tube wells in use according to land holding size (in HA.)					
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Electric Pump	Diesel Pump	Manual Lift	Other Devices	Total (10-13)	0-1	1-2	2-4	4-6	>6	Total (15-19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Daman	..	..	..	..	..	..	..	3	..	..	..	3	1	2	..	..	..	3
2.	Diu	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	STATE TOTAL	..	..	..	..	..	..	..	3	..	..	..	3	1	2	..	..	..	3

Sl. No.	Name of District	No. of wells according to category of owners				Average Hours of Elec.Avbl per day	Culturable command Area. (In HA.)	Gross Irri. Pot. created (In HA.)	Seasonwise area irrigated by tube wells (In HA.)					Seasonwise area irrigated by other sources (in HA.)				
		Sch. Caste	Sch. Tribe	Others	Total				Kharif	Rabi	Perennial	Others	Total (28 to 31)	Kharif	Rabi	Perennial	Others	Total (33 to 36)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
1.	Daman	..	..	3	3	..	3	3	1	1	..	..	2	..	..	..	..	..
2.	Diu	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	STATE TOTAL	..	..	3	3	..	3	3	1	1	..	..	2	..	..	..	..	..

MINOR IRRIGATION CENSUS IN DELHI(UT) FOR 1986-87

SCHEDULE B-2 DISTRICT LEVEL ABSTRACT OF DELHI(UT) (SHALLOW TUBE WELLS)

STATE : DELHI(UT)

Sl. No.	Name of District	Yearwise no. of shallow tube wells commissioned during						No. of wells not in use	No. of shallow tube wells in use with lifting devices					No. of tube wells in use according to land holding size (in HA.)					
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Electric Pump	Diesel Pump	Manual Lift	Other Devices	Total (10-13)	0-1	1-2	2-4	4-6	>6	Total (15-19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Delhi . .	8,822	1,211	1,214	1,088	892	845	14,152	10,597	3,067	..	488	14,152	3,592	4,300	3,642	1,841	777	14,152
	STATE TOTAL	**8,822**	**1,211**	**1,214**	**1,088**	**892**	**845**	**14,152**	**10,597**	**3,067**	**..**	**488**	**14,152**	**3,592**	**4,300**	**3,642**	**1,841**	**777**	**14,152**

Sl. No.	Name of District	No. of wells according to category of owners				Average Hours of Elec.Avbl per day	Culturable Command Area (in HA.)	Gross Irri.pot. created (in HA.)	Seasonwise area irrigated by tube wells (in HA.)					Seasonwise area irrigated by other sources (in HA.)				
		Sch. Caste	Sch. Tribe	Others	Total				Kharif	Rabi	Perennial	Others	Total (28 to 31)	Kharif	Rabi	Perennial	Others	Total (33 to 36)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
1.	Delhi	179	..	10,305	10,484	19	38,899	56,448	26,509	29,618	106	145	56,378	2,436	2,523	..	24	4,983
	STATE TOTAL . .	**179**	**..**	**10,305**	**10,484**	**19**	**38,899**	**56,448**	**26,509**	**29,618**	**106**	**145**	**56,378**	**2,436**	**2,523**	**..**	**24**	**4,983**

MINOR IRRIGATION CENSUS IN PONDICHERRY FOR 1986-87

SCHEDULE B-2 DISTRICT LEVEL ABSTRACT OF PONDICHERRY (SHALLOW TUBE WELLS)

STATE : PONDICHERRY

Sl. No.	Name of District	Yearwise no. of shallow tube wells commissioned during						No. of wells not in use	No. of shallow tubewells in use with lifting devices					No. of Tube wells in use according to land holding size (in HA.)				
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Electric Pump	Diesel Pump	Manual Lift	Other Devices	Total (10-13)	0-1	1-2	2-4	4-6	∠6 Total (15-19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	Pondicherry .	472	300	74	178	98	94	11	1,039	155	..	11	1,205	454	299	252	58	153	1,216
	STATE TOTAL	**472**	**300**	**74**	**178**	**98**	**94**	**11**	**1,039**	**155**	**..**	**11**	**1,205**	**454**	**299**	**252**	**58**	**153**	**1,216**

Sl. No.	Name of District	No. of wells according to category of owners				Average hours of Elec.Avbl per day	Culturable command Area (in HA.)	Gross Irri.Pot. Created (in HA.)	Seasonwise area irrigated by tube wells (in HA.)					Seasonwise area irrigated by other source (in HA.)				
		Sch. Caste	Sch. Tribe	Others	Total				Kharif	Rabi	Perennial	Others	Total (28 to 31)	Kharif	Rabi	Perennial	Others	Total (33 to 36)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
1	Pondicherry . .	35	..	1,181	1,216	..	2,350	2,961	1,134	1,157	338	284	2,913	408	696	14	4	1,122
	STATE TOTAL . .	**35**	**..**	**1,181**	**1,216**	**..**	**2,350**	**2,961**	**1,134**	**1,157**	**338**	**284**	**2,913**	**408**	**696**	**14**	**4**	**1,122**

MINOR IRRIGATION CENSUS IN ANDHRA PRADESH FOR 1986-87

SCHEDULE B-3 DISTRICT LEVEL ABSTRACT OF ANDHRA PRADESH (DEEP TUBEWELLS)

STATE : ANDHRA PRADESH

Sl. No.	Name of District	Yearwise No. of Deep Tubwells Commissioned during						No. of Wells Not in Use	No. of Tubew els with Lft. Devices			Distribution wise No. of Tubewells			Avrg. No. of Hours Elec. Avbl Per Day	No. of Wells with Dedicatd Feeders
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Submer. Pump	Tubrine Pump	Total (10+11)	Pucca surface	Under Ground	Total (13+14)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Adilabad	22	19	40	22	2	29	56	..	..	..	15	2	17	5	7
2.	Anantapur	166	130	170	228	160	113	87	505	9	514	409	371	780	2	136
3.	Chittoor	9	6	12	26	89	39	18	91	2	93	36	27	63	9	62
4.	Cuddapah	661	307	407	323	286	75	101	444	3	447	932	202	1134	8	639
5.	East Godavari	2,145	431	543	712	197	76	111	2,285	..	2,285	540	39	579	9	776
6.	Guntur	8	9	..	..	2	6	4	6	..	6	21	..	21	4	8
7.	Hyderabad	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8.	Karimnagar	41	25	21	41	64	16	12	177	..	177	135	..	135	13	..
9.	Khammam	320	164	117	83	32	1	6	419	..	419	388	..	388	8	16
10.	Krishna	98	37	7	4	11	14	26	..	..	..	..	..	..	12	..
11.	Kurnool	5	9	24	70	70	65	37	37	..	37	1	4	5	8	5
12.	Mahabubnagar	..	1	1	1	..	2	..	1	2	3	..	..	..	9	..
13.	Medak	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14.	Nalgonda	51	33	55	73	19	7	15	25	..	25	100	41	141	7	69
15	Nellore	18	11	24	34	38	3	24	32	1	33	27	2	29	8	6
16.	Nizamabad	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17.	Prakasam	145	49	188	159	86	85	28	464	18	482	484	25	509	7	113
18.	Ranga Reddy	60	8	1	1	..	2	2	19	..	19	13	59	72	7	59
19.	Srikakulam	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..
20.	Visakhapatanam	1	..	..	2	1	..	..	4	..	4	4	..	4	11	1
21.	Vizianagaram	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
22.	Warangal.	39	9	13	9	4	10	14	67	..	67	67	4	71	10	7
23.	West Godavari	2,293	334	159	187	163	232	300	928	..	928	126	..	126	10	322
	STATE TOTAL	**6,082**	**1,582**	**1,782**	**1,975**	**1,224**	**776**	**842**	**5.504**	**35**	**5,539**	**3,298**	**776**	**4,074**	**6**	**2,226**

MINOR IRRIGATION CENSUS IN ANDHRA PRADESH FOR 1986-87

SCHEDULE B-3 DISTRICT LEVEL ABSTRACT OF ANDHRA PRADESH (DEEP TUBEWELLS—*Contd.*)

STATE: ANDHRA PRADESH

Sl. No.	Name of District	Culturable Command Area (In HA.)	Gross Irri. Pot. Created (In HA.)	Seasonwise Area Irrigated by Deep Tubewelle (In HA)					Seasonwise area Irrigated by other sources (In HA)				
				Kharif	Rabi	Perennial	Others	Total (20 to 23)	Kharif	Rabi	Perennial	Others	Total (25 to 28)
1	2	18	19	20	21	22	23	24	25	26	27	28	29
1.	Adilabad	255	149	143	4	...	..	147	...	..	..	..	..
2	Anantapur	2,256	2,562	1,295	817	339	..	2,451	..	..	..	..	..
3.	Chittoor	634	627	177	202	38	56	473	..	..	..	..	..
4.	Cuddapah	5,747	7,426	4,393	2,061	118	23	6,595	37	..	..	..	37
5.	East Godavari	15,828	17,031	12,463	1,509	746	961	15,679	..	..	..	..	..
6.	Guntur	60	59	48	3	6	..	57	..	..	..	..	..
7.	Hyderabad	...	...	..	...	..	..	..	..	..	..	..	..
8.	Karimnagar	946	1,178	490	283	2	4	779	..	..	..	..	..
9.	Khammam	4,118	4,157	3,674	478	...	5	4,157	..	..	..	..	..
10.	Krishna	1,064	1,081	412	191	8	343	954	..	..	..	..	..
11.	Kurnool	789	1,125	583	529	..	...	1,112	..	..	..	..	..
12.	Mahabubnagar	16	18	9	7	..	..	16	..	..	..	..	..
13.	Medak	...	...	...	..	..	..	..	..	..	..	..	..
14.	Nalgonda	500	420	239	111	3	..	353	..	..	..	..	..
15.	Nellore	447	397	213	176	..	..	389	..	..	..	..	..
16.	Nizamabad	...	...	..	..	..	..	..	..	..	..	..	..
17.	Prakasam	2,986	3,073	1,724	817	91	1	2,633	..	..	..	..	..
18.	Ranga Reddy	223	172	26	17	93	30	166	..	..	..	..	..
19.	Srikakulam	8	..	..	...	..		..	..	..	..	..	..
20.	Visakhapatanam	74	74	44	28	2	..	74	..	..	..	..	..
21.	Vizianagaram	...	...	..	...	..	..	..	..	..	..	..	..
22.	Warangal	646	690	587	94	2	..	683	..	..	..	..	..
23.	West Godavari	18,101	25,003	9,683	4,960	1,388	652	16,683	5	..	..	..	5
	STATE TOTAL	54,698	65,242	36,203	12,287	2,836	2,075	53,401	42	..	..	..	42

MINOR IRRIGATION CENSUS IN ASSAM FOR 1986-87

SCHEDULE B-3 DISTRICT LEVEL ABSTRACT OF ASSAM (DEEP TUBEWELLS)

STATE : ASSAM

Sl. No.	Name of District	Yearwise No. of DeepTubewells Commissioned during						No. of Wells Not in use	No.of Tubewells with Lift Devices			Distribution wise No. of Tubewells			Avrg. No. of Hours Elec.Avbl Per day	No. of Wells with Dedicated Feeders
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Submer. pump	Turbine pump	Total (10+11)	Pucca Surface	Under Ground	Total (13+14)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Barpeta	2	..	..	7	..	..	..	8	1	9	1	8	9	..	..
2.	Cachar	..	..	..	4	4	3	..	11	..	11	2	9	11	..	..
3.	Debrugarh	..	..	..	12	2	4	2	16	..	16	3	15	18	..	..
4.	Dhubri	1	..	..	4	9	..	..	14	..	14	13	1	14	..	..
5.	Goalpara	..	1	2	8	5	2	5	13	..	13	10	8	18	..	..
6.	Golaghat	20	12	9	..	7	..	8	40	..	40	25	23	48	..	..
7.	Kamrup	17	1	1	1	7	2	4	25	..	25	23	6	29	..	
8.	Karbi Anglong	..	..	..	..	..	5	1	4	..	4	5	..	5	..	..
9.	Karimganj	..	..	..	1	2	..	..	3	..	3	3	..	3	..	..
10.	Kokrajhar	2	..	..	..	..	3	..	5	..	5	..	5	5	..	..
11.	Lakhimpur	..	6	..	7	2	..	..	15	..	15	2	13	15	..	..
12.	N.C. Hills	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
13.	Nagaon	3	1	2	..	7	1	..	9	5	14	5	9	14	..	..
14.	Nalbari	28	1	2	11	..	4	2	36	8	44	31	15	46	..	..
15.	Sibsagar	..	..	4	5	..	10	..	19	..	19	..	19	19	..	..
16.	Sonipur	14	..	19	6	..	..	7	37	2	39	2	37	39	..	..
	STATE TOTAL	**87**	**22**	**39**	**66**	**45**	**34**	**29**	**255**	**16**	**271**	**125**	**168**	**293**	..	..

Sl. No.	Name of District	Culturable Command Area (In HA)	Gross Irri. Pot. Created (In HA.)	Seasonwise area Irrigated by Deep Tubewells (In HA)					Seasonwise area Irrigated by Other Sources (In HA)				
				Kharif	Rabi	Perennial	Others	Total (20 to 23)	Kharif	Rabi	Perennial	Others	Total (25 to 28)
1	2	18	19	20	21	22	23	24	25	26	27	28	29
1.	Barpeta	272	275	173	92	..	1	266	..	..	..	..	..
2.	Cachar	237	352	133	53	..	3	189	..	..	..	..	..
3.	Debrugarh	443	567	244	85	..	..	329	..	..	..	..	..
4.	Dhubri	549	692	156	151	..	..	307	..	..	..	..	..
5.	Goalpara	735	1,123	496	195	37	70	798	..	..	..	..	..
6.	Golaghat	1,748	2,414	1,144	320	..	50	1,514	..	..	..	..	..
7.	Kamrup	1,058	1,145	399	120	15	72	606	..	..	..	..	..
8.	Karbi Anglong	130	130	20	..	..	..	20	..	..	..	..	..
9.	Karimgan	72	120	31	10	..	..	41	..	..	..	..	..
10.	Kokrajhar	682	947	216	29	..	..	245	..	..	..	..	..
11.	Lakhimpur	688	688	342	50	..	10	402	..	..	..	..	..
12.	N.C. Hills	..	..	..	..	..	..	..	..	..	..	..	..
13.	Nagaon	350	555	309	182	..	..	491	..	..	..	..	..
14.	Nabari	1,520	2,017	1,199	492	10	16	1,717	..	..	..	..	..
15.	Sibsagar	253	283	42	33	..	1	76	..	..	..	..	..
16.	Sonipur	1,390	1,820	1,064	445	..	..	1,509	..	..	..	..	..
	STATE TOTAL	**10,127**	**13,128**	**5,968**	**2,257**	**62**	**223**	**8,510**	..	..	..	..	..

MINOR IRRIGATION CENSUS IN BIHAR FOR 1986-87

SCHEDULE B-3 DISTRICT LEVEL ABSTRACT OF BIHAR (DEEP TUBEWELLS—*Contd.*)

STATE : BIHAR

Sl. No.	Name of District	Yearwise No. of Deep Tubewells Commissioned during						No. of Wells Not in use	No. of Tubewells with Lift. Devices			Distributionwise No. of Tubewells			Avrg. No. of Hours Elec.Avbl Per Day	No. of wells with Dedicated Feeders
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Submer-pump	Tubrine Pump	Total (10+11)	Pucca Surface	Under Ground	Total (13+14)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Araria	15	5	1	..	..	1	1	11	11	22	22	..	22	6	..
2.	Aurangabad	114	15	12	9	27	14	31	185	6	191	191	..	191	4	..
3.	Begusarai	288	5	4	5	5	2	40	165	144	309	309	..	309	3	..
4.	Bhagalpur	92	17	43	16	31	14	5	171	42	213	213	..	213	5	10
5.	Bhojpur	290	19	7	14	13	21	214	256	108	364	364	..	364	4	364
6.	Darbhanga	152	33	14	16	6	23	62	235	9	244	192	52	244	2	24
7.	Deoghar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8.	Dhanbad	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9.	Dumka	..	..	..	..	..	1	..	..	1	1	1	..	1	6	..
10.	East Champaran	327	100	94	125	86	247	82	905	74	979	874	105	979	13	51
11.	East Singhbhum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
12.	Gaya	118	1	..	3	..	..	1	122	..	122	8	1	9	2	5
13.	Giridih	..	..	..	..	1	2	..	3	..	3	..	3	3	4	2
14.	Godda	..	..	..	..	..	1	..	1	..	1	1	..	1	8	1
15.	Gopalganj	80	3	..	..	..	..	51	..	83	83	83	..	83	4	83
16.	Gumla	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17.	Hazaribagh	2	..	..	..	..	..	..	2	..	2	..	2	2	6	..
18.	Jahanabad	169	19	32	8	10	18	33	243	13	256	114	142	256	6	35
19.	Katihar	42	9	3	6	2	14	30	32	44	76	76	..	76	5	2
20.	Khagaria	138	..	..	..	1	10	16	25	124	149	149	..	149	3	149
21.	Kishanganj	5	..	..	..	..	1	11	5	1	6	6	..	6	6	..
22.	Lohardaga	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
23.	Madhepura	11	1	3	2	..	..	14	17	..	17	13	4	17	..	2,229
24.	Madhubani	386	489	832	644	409	376	94	3,121	15	3,136	1,662	1,474	3,136	1	..
25.	Munger	421	58	85	102	83	50	57	795	4	799	492	7	499	7	70
26.	Muzaffarpur	290	98	44	89	61	55	78	572	65	637	633	4	637	4	177
27.	Nalanda	206	2	4	3	6	3	85	212	12	224	223	1	224	4	204
28.	Nawadah	220	7	29	38	22	12	34	254	74	328	244	84	328	5	328
29.	Palamu	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
30.	Patna	357	66	16	19	11	23	130	1,118	74	1,192	407	85	492	8	175

31. Purnea	4	1	..	..	..	1	11	6	..	6	6	..	6	8	17
32. Ranchi	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
33. Rohtas	181	5	4	1	..	2	51	193	..	193	121	72	193	6	192
34. Saharsa	20	1	..	..	..	..	15	9	12	21	18	3	21	6	20
35. Sahebganj	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
36. Samastipur	181	7	7	4	3	1	44	140	63	203	193	10	203	4	156
37. Saran	77	30	26	44	53	44	88	259	15	274	267	7	274	6	47
38. Sitamarhi	1,022	516	348	335	272	631	88	3,116	8	3,124	3,124	..	3,124	9	154
39. Siwan	65	1	1	5	3	2	12	..	77	77	77	..	77	4	77
40. Vaishali	102	7	..	2	3	6	49	120	..	120	120	..	120	5	120
41. West Champaran	97	3	..	2	1	4	51	107	..	107	107	..	107	10	17.
42. West Singhbhum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
STATE TOTAL	**5,472**	**1,518**	**1,609**	**1,492**	**1,109**	**1,579**	**1,478**	**12,400**	**1,079**	**13,479**	**10,310**	**2,056**	**12,366**	**4**	**4,709**

MINOR IRRIGATION CENSUS IN BIHAR FOR 1986-87

SCHEDULE B-3 DISTRICT LEVEL ABSTRACT OF BIHAR (DEEP TUBEWELLS)

STATE : BIHAR

Sl. No.	Name of District	Culturable Command Area (In HA.)	Gross Irri. Pot. Created (In HA.)	Seasonwise area Irrigated by deep Tubewells (In HA)					Seasonwise Area Irrigated by other sources (In HA)				
				Kharif	Rabi	Perennial	Others	Total (20 to 23)	Kharif	Rabi	Perennial	Others	Total (25 to 28)
1	2	18	19	20	21	22	23	24	25	26	27	28	29
1.	Araria	125	125	41	52	10	13	116	..	..	..	..	..
2.	Aurangabad	2,451	2,069	1,071	729	73	28	1,901	466	390	71	27	954
3.	Begusarai	11,314	15.472	2,530	5,803	436	264	9,033	48	243	20	30	341
4.	Bhagalpur	3,653	3,216	682	834	146	144	1,806	186	291	113	170	760
5.	Bhojpur	18,393	27,679	8,369	9,077	804	721	18,971	1,233	925	57	169	2,384
6.	Darbhanga	8,827	9,573	2,425	4,016	907	1,045	8,393	1,162	1,473	290	291	3,216
7.	Deoghar	..	..	..	..	..	..	..	..	..	..	..	..
8.	Dhanbad	..	..	..	..	..	..	..	..	..	..	..	..
9.	Dumka	12	12	6	6	..	..	12	..	..	..	..	..
10.	East Champaran	11,875	11,043	4,033	4,384	381	486	9,284	825	582	17	4	1,428
11.	East Singhbhum	..	..	..	..	..	..	..	..	..	..	..	..
12.	Gaya	1,321	1,879	656	410	313	249	1,628	277	119	28	30	454
13.	Giridih	8	8	..	5	..	2	7	..	6	..	2	8
14.	Godda	20	4	4	..	..	..	4	..	..	..	..	..
15.	Gopalganj	7,498	9,839	867	5,546	..	..	6,413	674	1,772	..	..	2,446
16.	Gumla	..	..	..	..	..	..	..	..	..	..	..	..
17.	Hazaribagh	9	9	..	9	..	..	9	..	..	..	..	..
18.	Jahanabad	7,350	6,788	2,049	998	190	30	3,267	634	318	81	12	1,045
19.	Katihar	300	300	84	59	19	13	175	..	..	..	..	..
20.	Khagaria	10,485	7,335	492	2,292	132	65	2,981	394	1,154	350	98	1,996
21.	Kishanganj	1,044	1,417	296	428	27	55	806	100	68	35	91	294
22.	Lohardaga	..	..	..	..	..	..	..	..	..	..	..	..
23.	Madhepura	1,89,475	2,04,737	62,868	78,267	9,762	10,967	1,61,864	11,583	14,037	1,465	1,393	28,478
24.	Madhubani	15,953	14,360	6,471	7,534	691	1,229	15,925	637	894	216	149	1,896
25.	Munger	6,194	7,434	2,707	3,097	654	219	6,677	587	242	40	75	944
26.	Muzaffarpur	12,275	14,342	3,438	5,502	1,117	930	10,987	252	266	24	129	671
27.	Nalanda	7,600	9,372	3,544	2,901	506	250	7,201	183	191	18	9	401
28.	Nawadah	4,983	6,484	2,436	2,856	450	327	6,069	162	179	72	1	414
29.	Palamu	..	..	..	..	..	..	..	..	..	..	..	..
30.	Patna	20,868	15,596	8,038	5,216	895	727	14,876	2,456	1,509	364	263	4,592

31. Purnea	690	1,043	139	222	13	10	384	..	21	..	..	21
32. Ranchi	..	..	..	..	..	..	..	..	..	..	..	..
33. Rohtas	4,561	5,729	3,043	3,001	283	87	6,414	1,242	1,190	72	39	2,543
34. Saharsa	1,075	1,075	299	532	25	24	880	25	50	..	10	85
35. Sahebganj	..	..	..	..	..	..	..	..	..	..	..	..
36. Samastipur	17,310	17,053	2,460	5,067	642	569	8,738	194	440	73	41	748
37. Saran	5,282	5,984	1,029	2,062	145	283	3,519	203	747	8	66	1,024
38. Sitamarhi	18,286	18,059	6,943	8,332	1,226	1,419	17,920	254	320	40	17	631
39. Siwan	5,038	4,797	353	1,286	..	..	1,639	316	2,241	..	..	2,557
40. Vaishali	3,912	4,465	1,566	1,725	507	463	4,261	..	33	1	2	36
41. West Champaran	3,303	3,079	1,251	691	172	1,287	3,401	343	116	10	107	576
42. West Singhbhum	..	..	..	..	..	..	..	..	..	..	..	..
STATE TOTAL	**4,01,490**	**4,30,377**	**1,30,190**	**1,62,939**	**20,526**	**21,906**	**3,35,561**	**24,436**	**29,817**	**3,465**	**3,225**	**60,943**

MINOR IRRIGATION CENSUS IN GOA FOR 1986-87

SCHEDULE B-3 DISTRICT LEVEL ABSTRACT OF GOA (DEEP TUBEWELLS)

STATE : GOA

Sl. No.	Name of District	Yearwise No. of Deep Tubewells Commissioned during						No. of wells not in use	No. of Tubewells with Lift. Devices			Distribution wise No. of Tubewells			Avrg. No. of Hours Elec.Avb. Per day	No. of Wells with Dedicated Feeders
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Submer Pump	Turbine Pump	Total (10+11)	Pucca Surface	Under Ground	Total (13+14)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	North Goa	--	--	--	--	--	--	--	..	--	--	--	--	--	--	..
2.	South Goa	..	..	..	2	--	--	..	2	..	2	--	2	2	16	..
	STATE TOTAL	..	..	..	2	..	..	..	2	..	2	..	2	2	16	..

Sl. No.	Name of District	Culturable Command Area (IN HA.)	Gross Irri. Pot. Credited (IN HA.)	Seasonwise Area Irrigated by Deep Tubewell (In HA)					Seasonwise area Irrigated by other Sources (In HA)				
				Kharif	Rabi	Perennial	Others	Total (20 to 23)	Kharif	Rabi	Perennial	Others	Total (25 to 28)
1	2	18	19	20	21	22	23	24	25	26	27	28	29
1.	North Goa	..	..	..	..	..	..	..	..	..	..	..	..
2.	South Goa	14	14	..	..	14	..	14	--	..	..	..	..
	STATE TOTAL	**14**	**14**	..	..	**14**	..	**14**	..	..	..	..	..

MINOR IRRIGATION CENSUS IN GUJARAT FOR 1986-87

SCHEDULE B-3 DISTRICT LEVEL ABSTRACT OF GUJARAT (DEEP TUBEWELLS)

STATE : GUJARAT

Sl. No.	Name of District	Years wise No. of Deep Tubewells Commissioned during						No. of Wells not in use	No. of Tubewells with Lift. Devices			Distribution wise No. of Tubewells			Avrg. No. of Hours Elec. Avb. per day	No. of Wells with Ded cated Feeders
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Submer. Pump	Turbine Pump	Total (10+11)	Pucca Surface	Under Ground	Total (13+14)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Ahmedabad	1,784	237	221	228	335	868	138	3,492	43	3,535	533	3,012	3,545	11	2,408
2.	Amreli	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Banaskantha	1,009	320	386	379	441	910	311	2,282	852	3,134	257	3,188	3,445	9	32
4.	Bharuch	151	9	17	21	11	29	11	221	6	227	96	142	238	13	238
5.	Bhavnagar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6.	Dang	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7.	Gandh nagar	799	84	73	183	221	266	1	1,625	..	1,625	..	1,626	1,626	12	320
8.	Jamnagar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9.	Junagadh	..	..	..	..		..	..	..		..	..	..	..	..	..
10.	Kheda	585	91	53	57	93	176	22	921	112	1,033	16	1,018	1,034	10	..
11.	Kuchchh	144	5	13	11	2	1	38	138	..	138	1	167	168	..	..
12.	Mehsana	6,611	574	598	717	780	1,152	519	9,858	55	9,913	99	10,333	10,432	9	4,410
13.	Panchmahal	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14.	Rajkot	15	..	..	..	..	..	11	3	1	4	1	14	15	8	..
15.	Sabarkantha	140	6	23	48	33	29	93	184	2	186	214	59	273	13	..
16.	Surat	1	..	..	..	1	18	..	20	..	20	..	20	20	11	7
17.	Surendranagrr	123	6	9	32	32	68	66	182	22	204	17	146	163	11	24
18.	Vadodara	806	159	104	167	226	212	58	1,612	4	1,616	14	1,608	1,622	8	172
19.	Valsad	36	..	..	..	..	..	..	36	..	36	..	36	36	8	..
	STATE TOTAL	**12,204**	**1,491**	**1,497**	**1,843**	**2,175**	**3,729**	**1,268**	**20,574**	**1,097**	**21,671**	**1,248**	**21,369**	**22,617**	**6**	**7,611**

MINOR IRRIGATION CENSUS IN GUJARAT FOR 1986-87

SCHEDULE B-3 DISTRICT LEVEL ABSTRACT OF GUJARAT (DEEP TUBEWELLS *Contd.*)

STATE : GUJARAT

Sl. No.	Name of District	Culturable Command Area (In HA)	Gross Irri. Pot. Created (In HA.)	Seasonwise Area Irrigated by Deep Tubewells (In HA)					Seasonwise area Irrigated by other Sources (In HA)				
				Khairf	Rabi	Perennial	Others	Total (20 to 23)	Kharif	Rabi	Perennial	Others	Total (25 to 28)
1	2	18	19	20	21	22	23	24	25	26	27	28	29
1	Ahmedabad	41,713	59,896	14,214	18,697	1,413	8,212	42,536	146	117	38	20	321
2.	Amreli	..	..	..	..	..	..	..	..	..	..	..	..
3.	Banaskantha	41,632	49,739	3,667	24,295	253	5,753	33,968	..	..	..	..	..
4.	Bharuch	14,865	14,968	2,819	5,556	445	1,840	1,0,660	54	..	..	40	94
5.	Bhavnagar	..	..	..	..	..	..	..	..	..	..	..	..
6.	Dang	..	..	..	..	..	..	..	..	..	..	..	..
7.	Gandhinagar	19,087	23,187	5,927	7,508	985	5,591	20,011	..	..	..	..	..
8.	Jamnagar.	..	..	..	..	..	..	..	..	..	..	..	..
9.	Junagadh	..	..	..	..	..	..	..	..	..	..	..	..
10.	Kheda	47,058	49,685	9,535	12,890	324	11,574	34,323	1,498	1,228	21	1,081	3,828
11.	Kuchchh	12,409	9,957	939	1,248	4	1,289	3,480	..	..	..	..	..
12.	Mehsana	244,592	2,77,778	40,586	1,28,220	2,832	35,510	2,07,148	1,100	477	..	112	1,689
13.	Panchmahal	..	..	..	..	..	..	..	..	..	..	..	..
14.	Rajkot	59	77	4	9	..	4	17	..	..	..	..	..
15.	Sabarkantha	3,385	3,679	344	1,413	71	376	2,204	..	..	..	..	..
16.	Surat	112	134	7	25	..	..	32	..	..	..	..	..
17.	Surendranagar	4,646	5,605	944	1,418	..	488	2,850	18	148	..	37	203
18.	Vadodara	48,613	56,536	13,517	14,417	2,058	9,573	39,565	..	..	..	..	..
19.	Valsad	72	72	1	4	67	..	72	..	..	..	..	..
	STATE TOTAL	**4,78,243**	**5,51,313**	**92,504**	**2,15,700**	**8,452**	**80,210**	**3,96,866**	**2,816**	**1,970**	**59**	**1,290**	**6,135**

MINOR IRRIGATION CENSUS IN HARYANA FOR 1986-87

SCHEDULE B-3 DISTRICT LEVEL ABSTRACT OF HARYANA (DEEP TUBEWELLS)

STATE : HARYANA

Sl. No	Name of District	Yearwise No. of Deep Tubewells Commissioned during						No. of Wells Not in use	No. of Tubewells with Lift. Devices			Distributionwise No. of Tubwells			Avrg. No. of Hours Elec. Avbl. per day	No. of wells with Dedicated Feeders
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Submer. Pump	Turbine Pump	Total (10+11)	Pucca Surface	Under Ground	Total (13+14)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Ambala	600	357	227	221	224	266	35	1,699	161	1,860	1,288	607	1,895	..	84
2.	Bhiwani	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Faridabad	..		..	..	..	..	..	..	..	..	..	..	..	..	..
4.	Gurgaon	4	..	..	..	..	..	2	2	..	2	2	2	4	7	..
5.	Hisar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6.	Jind	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7.	Karnal	147	..	..	..	..	..	..	147	..	147	147	..	147	..	..
8.	Kurukshetra	194	..	..	..	..	..	19	..	175	175	194	..	194	10	2
9.	M/Garh	79	1	..	..	..	..	..	80	..	80	80	..	80	8	..
10.	Rohtak	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11.	Sirsa	322	..	..	..	..	..	4	318	..	318	317	5	322	8	..
12.	Sonipat	35	..	..	..	..	..	..	35	..	35	35	..	35	8	..
	STATE TOTAL	1,381	358	227	221	224	266	60	2,281	336	2,617	2,063	614	2,677	3	86

Sl. No.	Name of District	Culturable Command Area (In HA.)	Gross Irri. Pot. Created (In HA.)	Seasonwise Area Irrigated by Deep Tubewell (In HA)					Seasonwise area Irrigated by other Sources (In HA.)				
				Kharif	Rabi	Perennial	Others	Total (20 to 23)	Kharif	Rabi	Perennial	Others	Total (25 to 28)
1	2	18	19	20	21	22	23	24	25	26	27	28	29
1.	Ambala	13,156	27,842	11,553	12,759	257	21	24,590	..	..	..	..	..
2.	Bhiwani	..	..	..	..	..	..	..	..	..	..	..	..
3.	Faridabad	..	..	..	..	..	..	..	..	..	..	..	..
4.	Gurgoan	16	18	3	15	..	..	18	..	..	..	..	..
5.	Hisar	..	..	..	..	..	..	..	..	..	..	..	..
6.	Jind	..	..	..	..	..	..	..	..	..	..	..	..
7.	Karnal	1,286	2,452	1,048	1,236	..	..	2,284	..	..	..	..	..
8.	Kurukshetra	1,336	2,611	1,098	1,548	6	..	2,652	..	..	..	..	..
9.	M/Garh	985	1,621	396	968	..	..	1,364	..	..	..	..	..
10.	Rohtak	..	..	..	..	..	..	..	..	..	..	..	..
11.	Sirsa	2,761	4,056	1,871	2,165	..	..	4,036	683	570	..	..	1,253
12.	Sonipat	552	773	317	426	..	..	743	..	..	..	..	..
	STATE TOTAL	25,092	39,373	16,286	19,117	263	21	35,687	683	570	..	..	1,253

MINOR IRRIGATION CENSUS IN HIMACHAL PRADESH FOR 1986-87

SCHEDULE B-3 DISTRICT LEVEL ABSTRACT OF HIMACHAL PRADESH (DEEP TUBEWELLS)

STATE : HIMACHAL PRADESH

Sl. No.	Name of District	Yearwise No. of Deep Tubewells Commissioned during						No. of wells not in use	No. of Tubewells with Lift. Devices			Distribution wise No. of Tfibewells			Avrg. No. of Hours Elec. Avbl. Per day	No. of wells with Dedicated Feeders
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Submer Pump	Turbine Pump	Total (10+11)	Pucca Surface	Under Ground	Total (13+14)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Bilaspur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2.	Chamba	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Hamirpur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4.	Kangra	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5.	Kinnaur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6.	Kullu	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7.	Lahul Spiti	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8.	Mandi	3	..	..	..	..	..	..	3	..	3	2	1	3	8	..
9.	Shimla	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10.	Sirmaur	11	..	1	1	..	..	..	13	..	13	8	5	13	..	13
11.	Solan	26	5	1	4	1	1	..	32	6	38	1	37	38	16	8
12.	Una	61	7	14	9	8	10	1	93	15	108	24	85	109	11	108
	STATE TOTAL	**101**	**12**	**16**	**14**	**9**	**11**	**1**	**141**	**21**	**162**	**35**	**128**	**163**	**3**	**129**

Sl. No.	Name of District	Culturable Command Area (In HA.)	Gross Irri. Pot. Credited (In HA.)	Seasonwise area Irrigated by deep Tubwell (In HA.)					Seasonwise Area Irrigated by Other Sources (In HA.)				
				Kharif	Rabi	Perennial	Others	Total (20 to 23)	Kharif	Rabi	Perennial	Others	Total (25 to 28)
1	2	18	19	20	21	22	23	24	25	26	27	28	29
1.	Bilaspur	..	..	..	..	..	..	..	..	..	..	..	..
2.	Chamba	..	..	..	..	..	..	..	..	..	..	..	..
3.	Hamirpur	..	..	..	..	..	..	..	..	..	..	..	..
4.	Kangra	..	..	..	..	..	..	..	..	..	..	..	..
5.	Kinnaur	..	..	..	..	..	..	..	..	..	..	..	..
6.	Kullu	..	..	..	..	..	..	..	..	..	..	..	..
7.	Lahul Spiti	..	..	..	..	..	..	..	..	..	..	..	..
8.	Mandi	71	110	66	1	..	..	67	..	..	..	..	..
9.	Shimla	..	..	..	..	..	..	..	..	..	..	..	..
10.	Sirmaur	324	564	256	264	20	..	540	..	..	..	..	..
11.	Solan	299	350	107	198	22	1	328	..	..	..	..	..
12.	Una	4,146	5,287	1,108	2,172	185	161	3,626	..	..	..	..	..
	STATE TOTAL	**4,840**	**6,311**	**1,537**	**2,635**	**227**	**162**	**4,561**	..	..	..	..	..

MINOR IRRIGATION CENSUS IN JAMMU & KASHMIR FOR 1986-87

SCHEDULE B-3 DISTRICT LEVEL ABSTRACT OF JAMMU & KASHMIR (DEEP TUBEWELLS)

STATE : JAMMU & KASHMIR

Sl. No.	Name of District	Yearwise no. of Deep Tubewells Commissioned during						No. of Wells not in Use	No. of Tubewells with Lift Divices			Distributionwise No. of Tubewells			Avrg. No. of Hours Elec. Avbl. Per day	No. of Wells with Dedicated Feeders
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Submer. Pump	Turbine Pump	Total (10+11)	Pacca Surface	Under Ground	Total (13+14)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Anantnag	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2.	Baramulla	9	..	..	..	..	..	..	1	8	9	6	3	9	..	4
3.	Budgam	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4.	Doda	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5.	Jammu	48	2	..	1	..	1	2	56	..	56	52	..	52	..	..
6.	Kargil	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7.	Kathua	5	1	..	..	1	..	..	1	6	7	7	..	7	..	7
8.	Kupwara	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9.	Leh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10.	Poonch	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11.	Pulwamma	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
12.	Rajouri	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
13.	Udhampur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	STATE TOTAL	62	3	..	1	1	1	2	58	14	72	65	3	68	..	11

Sl. No.	Name of District	Culturable Command Area (In HA.)	Gross Irri. Pot. Created (In HA.)	Seasonwise area irrigated by deep Tubewell (In HA.)					Seasonwise area Irrigated by other Sources (In HA.)				
				Kharif	Rabi	Perennial	Others	Total (20 to 23)	Kharif	Rabi	Perennial	Others	Total (25 to 28)
1	2	18	19	20	21	22	23	24	25	26	27	28	29
1.	Anantnag	..	..	..	..	..	..	..	..	..	..	..	..
2.	Baramulla	53	53	49	4	..	..	53	..	..	..	..	..
3.	Budgam	..	..	..	..	..	..	..	..	..	..	..	..
4.	Doda	..	..	..	..	..	..	..	..	..	..	..	..
5.	Jammu	1,573	3,146	1,573	1,573	..	..	3,146	..	..	..	..	..
6.	Kargil	..	..	..	..	..	..	..	..	..	..	..	..
7.	Kathua	75	83	43	40	..	..	83	..	..	..	..	..
8.	Kupwara	..	..	..	..	..	..	..	..	..	..	..	..
9.	Leh	..	..	..	..	..	..	..	..	..	..	..	..
10.	Poonch	..	..	..	..	..	..	..	..	..	..	..	..
11.	Pulwamma	..	..	..	..	..	..	..	..	..	..	..	..
12.	Rajouri	..	..	..	..	..	..	..	..	..	..	..	..
13.	Udhampur	..	..	..	..	..	..	..	..	..	..	..	..
	STATE TOTAL	1,701	3,282	1,665	1,617	..	..	3,282	..	..	..	..	..

MINOR IRRIGATION CENSUS IN KARNATAKA FOR 1986-87

SCHEDULE B-3 DISTRICT LEVEL ABSTRACT OF KARNATAKA (DEEP TUBEWELLS)

STATE : KARNATAKA

Sl. No.	Name of District	Yearwise no. of Deep Tubewells Commissioned during						No.of Wells	No. of Tubewells with Lift Devices			Distributionwise No. of Tubwells			Avrg.No. of Hours Elec.Avbl. Per day	No.of Wells with Dedicated Feeders
		Before 82-83	82-83	83-84	84-85	85-86	86-87	not in Use	Submer. Pump	Turbine Pump	Total (10+11)	Pucca Surface	Under Ground	Total (13+14)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Bangalore (R)	67	69	55	91	250	185	16	696	5	701	465	252	717	8	17
2.	Bangalore (U)	64	22	51	38	62	80	21	287	9	296	154	163	317	8	..
3.	Belgaum	58	17	64	172	201	221	111	587	35	622	147	586	733	8	223
4.	Bellary	18	14	45	97	103	40	7	232	78	310	185	132	317	8	80
5.	Bidar	9	6	4	7	17	27	7	232	78	310	21	49	70	8	1
6.	Bijapur	7	7	26	8	50	63	27	132	2	134	41	120	161	8	22
7.	Chickmagalur	..	..	..	..	..	1	..	1	..	1	..	1	1	8	1
8.	Chitradurga	30	1	26	29	38	49	6	164	3	167	76	97	173	8	7
9.	D. Kannada	8	4	4	15	35	10	1	63	12	75	45	31	76	8	18
10.	Dharwar	281	39	81	118	148	102	95	640	34	674	411	358	769	8	114
11.	Gulbarga	1	..	..	3	35	3	27	15	..	15	33	9	42	8	2
12.	Hassan	1	..	2	..	2	6	1	6	4	10	10	1	11	8	1
13.	Kodagu	..	..	..	..	..	1	..	1	..	1	1	..	1	8	..
14.	Kolar	191	92	426	727	890	573	71	2,733	95	2,828	1,395	1,504	2,899	8	510
15.	Mandya	5	..	1	1	2	3	1	11	..	11	3	9	12	8	..
16.	Mysore	6	2	5	8	13	23	..	49	8	57	22	35	57	8	4
17.	Raichur	34	6	6	13	18	16	2	89	2	91	73	20	93	8	10
18.	Shimoga	25	3	18	11	17	43	6	94	17	111	77	40	117	8	33
19.	Tumkur	28	11	33	74	264	133	37	500	6	506	304	239	543	8	142
20.	U. Kannada	6	4	1	..	11	6	..	12	16	28	6	22	28	8	..
	STATE TOTAL	**839**	**297**	**848**	**1,412**	**2,156**	**1,585**	**436**	**6,544**	**404**	**6,948**	**3,469**	**3,668**	**7,137**	**8**	**1,185**

MINOR IRRIGATION CENSUS IN KARNATAKA FOR 1986-87

SCHEDULE B-3 DISTRICT LEVEL ABSTRACT OF KARNATAKA (DEEP TUBEWELLS—*Contd.*)

STATE : KARNATAKA

Sl. No.	Name of District	Culturable Command Area (In HA.)	Gross Irri. Pot. Created (In HA.)	Seasonwise area irrigated by deep Tubewell /(In HA.)					Seasonwise area Irrigated by other source (In HA.)				
				Kharif	Rabi	Perennial	Others	Total (20 to 23)	Kharif	Rabi	Perennial	Others	Total (25 to 28)
1	2	18	19	20	21	22	23	24	25	26	27	28	29
1.	Bangalore (R)	1,162	1,370	494	310	306	213	1,323	169	17	10	74	270
2.	Bangalore (U)	788	823	347	60	268	19	694	..	..	..	..	..
3.	Belgaum	1,468	1,535	916	226	180	22	1,344	22	7	17	1	47
4.	Bellary	826	1,522	770	233	25	465	1,493	5	2	..	..	7
5.	Bidar	108	113	65	15	..	9	89	..	..	..	..	..
6.	Bajapur	268	318	139	101	18	30	288	..	..	..	..	..
7.	Chickmagalur	8	8	..	..	8	..	8	..	..	..	..	..
8.	Chitradurga	442	556	383	96	23	82	584	..	..	..	..	..
9.	D. Kannada	170	170	..	19	124	16	159	..	3	4	..	7
10.	Dharwar	1,475	1,890	842	186	103	679	1,810	..	..	..	..	..
11.	Gulbarga	95	100	23	51	6	..	80	..	..	..	..	..
12.	Hassan	42	65	28	4	—	1	33	..	..	..	..	..
13.	Kodagu	2	2	..	..	2	..	2	..	..	..	..	..
14.	Kolar	5,995	7,121	3,176	1,484	595	464	5,719	53	5	9	15	82
15.	Mandya	34	52	19	12	10	1	42	..	..	3	..	3
16.	Mysore	104	126	75	17	25	5	122	..	..	..	..	..
17.	Raichur	214	460	207	43	—	146	396	..	..	..	..	..
18.	Shimoga	323	394	221	17	81	37	356	..	..	..	..	..
19.	Tumkur	1,227	1,308	522	166	417	97	1,202	5	3	63	..	71
20.	U. Kannada	56	56	10	3	44	..	57	..	..	..	..	..
	STATE TOTAL	**14,807**	**17,989**	**8,237**	**3,043**	**2,235**	**2,286**	**15,801**	**254**	**37**	**106**	**90**	**487**

MINOR IRRIGATION CENSUS IN MADHYA PRADESH FOR 1986-87

SCHEDULE B-3 DISTRICT LEVEL ABSTRACT OF MADHYA PRADESH (DEEP TUBEWELLS)

STATE : MADHYA PRADESH

Sl. No.	Name of District	Yearwise no. of Deep Tubewells Commissioned during						No. of Wells not in Use	No. of Tubewells with Lift. Devices			Distribution wise no. of Tubewells			Avrg. No. of Hours Elce. Avbl. Per day	No. of Wells with Dedicated Feeders
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Submer. Pump	Turbine Pump	Total (10+11)	Pacca Surface	Under Ground	Total (13+14)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Baitul	12	..	..	1	5	1	..	15	4	19	12	7	19	6	3
2.	Balaghat	1	..	..	..	..	..	..	..	1	1	..	1	1	10	1
3.	Bastar	4	2	..	..	1	..	..	5	2	7	2	5	7	8	2
4.	Bhind	141	1	9	10	5	2	37	143	25	168	21	147	168	10	156
5.	Bhopal	1	1	..	3	..	5	..	..	10	10	..	10	10	11	10
6.	Bilaspur	63	24	10	6	14	16	2	123	10	133	49	84	133	4	133
7.	Chattarpur	2	..	..	..	..	..	..	..	2	2	..	2	2	6	..
8.	Chindwara	3	..	..	..	..	..	..	3	..	3	3	..	3	7	3
9.	Damoh	1	1	..	..	..	..	..	1	1	2	1	1	2	2	2
10.	Datya	1	..	..	..	..	..	..	1	..	1	..	1	1	10	..
11.	Devas	6	3	3	5	10	14	1	41	..	41	4	37	41	13	41
12.	Dhar	..	..	3	3	22	4	9	32	..	32	2	30	32	16	13
13.	Durg	11	3	3	2	3	5	..	21	6	27	6	21	27	19	17
14.	Guna	21	2	3	4	..	2	2	29	3	32	2	30	32	8	30
15.	Gwalior	11	..	3	2	3	1	..	4	16	20	2	18	20	8	7
16.	Hoshangabad	85	3	..	..	1	..	..	76	13	89	43	46	89	8	
17.	Indore	74	78	45	111	138	57	19	503	..	503	453	50	503	8	503
18.	Jabalpur	32	..	..	..	2	3	..	37	..	37	28	9	37	10	37
19.	Jhabua	..	2	7	..	..	..	..	9	..	9	..	9	9	8	9
20.	Mandla	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
21.	Mandsaur	..	..	1	1	6	10	..	16	2	18	6	12	18	11	18
22.	Murena	72	12	2	1	5	3	3	93	2	95	84	11	95	5	55
23.	Narsinghpur	153	7	18	16	11	22	12	132	95	227	209	18	227	16	327
24.	P. Nemad (Khandba)	5	..	..	4	..	2	1	11	..	11	1	10	11	13	11
25.	P. Nemad (Khargaon)	17	1	2	6	19	26	9	69	2	71	4	67	71	16	71
26.	Panna	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
27.	Raigarh	156	7	15	18	15	27	2	236	2	238	48	190	238	4	7
28.	Raipur	47	3	17	6	6	8	4	73	14	87	64	23	87	21	66
29.	Raisen	14	..	..	..	1	1	..	16	..	16	1	15	16	10	..
30.	Rajgarh	..	..	2	4	7	12	..	25	..	25	2	23	25	10	25

31. Rajnadgaon	23	1	8	2	7	20	2	50	11	61	36	25	61	17	38
32. Ratlam	15	3	15	26	75	112	26	236	10	246	9	237	246	12	246
33. Reva	1	..	1	4	4	8	2	7	11	18	9	9	18	22	13
34. Sagar	19	..	..	..	..	..	..	19	..	19	..	19	19	6	19
35. Sarguja	19	..	..	2	1	..	..	9	13	22	..	22	22	4	22
36. Satna	11	3	13	9	5	5	1	46	..	46	19	27	46	11	25
37. Seedhi	7	..	15	1	32	6	3	57	4	61	46	15	61	24	..
38. Sehdol	7	1	..	1	2	2	..	7	6	13	8	5	13	24	13
39. Sehor	10	9	3	9	13	5	..	23	26	49	..	49	49	12	16
40. Shajapur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
41. Shivpuri	13	..	1	..	1	..	9	15	..	15	..	15	15	6	1
42. Sivani	2	..	..	..	..	..	..	2	..	2	2	..	2	6	2
43. Teekamgarh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
44. Ujjain	1	..	..	..	1	3	..	5	..	5	..	5	5	24	5
45. Vedesha	1	..	..	..	..	2	..	3	..	3	..	3	3	8	..
STATE TOTAL	**1,062**	**167**	**199**	**257**	**415**	**384**	**144**	**2,193**	**291**	**2,484**	**1,176**	**1,308**	**2,484**	**10**	**19,89**

MINOR IRRIGATION CENSUS IN MADHYA PRADESH FOR 1986-87

SCHEDULE B-3 DISTRICT LEVEL ABSTRACT OF MADHYA PRADESH (DEEP TUBEWELLS—*Contd.*)

STATE : MADHYA PRADESH

Sl. No.	Name of District	Culturable Command Area (In HA.)	Gross Irri. Pot. Created (In HA.)	Seasonwise area Irrigated by deep Tubewell (In HA)					Seasonwise area Irrigated by other Sources (In HA.)				
				Kharif	Rabi	Perennial	Others	Total (20 to 23)	Kharif	Rabi	Perennial	Others	Total (25 to 28)
1	2	18	19	20	21	22	23	24	25	26	27	28	29
1.	Baitul	122	95	2	60	18	..	80	..	..	..	..	..
2.	Balaghat	10	10	8	2	..	..	10	..	..	..	..	..
3.	Bastar	50	50	2	20	..	..	22	..	..	..	..	..
4.	Bhind	2,921	2,365	8	1,841	3	2	1,854	8	52	..	..	60
5.	Bhopal	87	80	1	79	..	..	80	..	..	..	..	..
6.	Bilaspur	811	846	596	260	10	..	866	..	..	..	..	..
7.	Chattarpur	13	13	..	12	..	..	12	..	..	..	..	..
8.	Chindwara	18	18	7	7	1	..	15	..	..	..	..	..
9.	Damoh	9	8	..	8	..	..	8	..	..	..	..	..
10.	Datya	25	23	3	18	2	..	23	..	..	..	..	..
11.	Devas	203	163	60	95	-	..	155	..	..	..	..	..
12	Dhar	111	104	72	13	..	..	85	..	..	..	..	..
13.	Durg	369	368	271	36	..	..	307	..	..	..	..	..
14.	Guna	1,142	803	..	367	..	..	367	..	..	..	..	..
15.	Gwalior	248	157	24	207	..	..	231	..	5	..	..	5
16.	Hoshangabad	3,805	2,061	62	2,915	..	815	3,792	..	..	..	..	..
17.	Indore	2,196	1,851	114	1,679	..	..	1,793	..	..	..	..	..
18.	Jabalpur	725	725	37	724	..	..	761	..	..	..	..	..
19.	Jhabua	29	29	10	14	..	..	24	..	..	..	..	..
20.	Mandla	..	...	..	..	..	..	..	..	..	..	..	..
21.	Mandsaur	74	70	7	60	2	1	70	..	..	..	..	..
22.	Murena	882	882	2	867	16	..	885	..	..	..	..	..
23.	Narsinghpur	5,196	5,196	293	4,294	54	..	4,641	..	..	..	..	..
24.	P. Nemad (Khandba)	59	57	28	25	4	..	57	..	..	..	..	..
25.	P. Nemad (Khargaon)	275	243	158	107	7	..	272	3	5	..	..	8
26.	Panna	..	..	..	..	..	..	..	..	..	..	..	..
27.	Raigarh	1,526	1,716	417	1,112	33	..	1,562	38	..	..	..	38
28.	Raipur	527	480	330	229	14	..	573	33	1	1	..	35
29.	Raisen	182	182	..	94	..	..	94	..	..	..	..	..
30.	Rajgarh	142	93	5	85	..	..	90	..	..	..	..	..

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31. Rajnadgaon	385	442	294	145	..	4	443	..	..	..	..	..
32. Ratlam	795	779	134	459	16	1	610	..	..	..	..	..
33. Reva	175	118	1	116	..	..	117	..	..	..	..	..
34. Sagar	102	98	..	98	..	..	98	..	..	..	..	..
35. Sarguja	287	213	6	135	..	..	141	..	..	..	..	..
36. Satna	321	298	..	223	47	..	270	..	49	..	..	49
37. Seedhi	1,780	1,780	..	1,626	..	..	1,626	..	..	..	..	..
38. Sehdol	58	58	..	56	4	..	60	..	..	..	..	..
39. Sehor	235	330	16	223	..	..	239	..	2	..	..	2
40. Shajapur	..	..	..	..	..	..	..	..	..	..	..	..
41. Shivpuri	78	79	..	57	..	..	57	..	..	..	..	..
42. Sivani	16	16	..	8	..	..	8	..	..	..	..	..
43. Teekamgarh	..	..	..	..	..	..	..	..	..	..	..	..
44. Ujjain	44	43	..	23	..	..	23	..	..	..	..	..
45. Vedesha	41	31	..	31	..	..	31	..	..	..	..	..
STATE TOTAL	**26,074**	**22,973**	**2,968**	**18,430**	**231**	**823**	**22,452**	**82**	**114**	**1**	**..**	**197**

MINOR IRRIGATION CENSUS IN MAHARASHTRA FOR 1986-87

SCHEDULE B-3 DISTRICT LEVEL ABSTRACT OF MAHARASHTRA (DEEP TUBEWELLS)

STATE : MAHARASHTRA

Sl. No.	Name of District	Yearwise No. of Deep Tubewells Commissioned During						No. of Wells	No. of Tubewells with Lift Devices			Distribution wise No. of Tubewells			Avrg. No. of Hours Elec.Avbl Per day	No. of wells with Dedicated Feeders
		Before 82-83	82-83	83-84	84-85	85-86	86-87	Not in Use	Submer.	Turbine Pump	Total (10+11)	Pucca Surface	Under Ground	Total (13+14)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Ahmednagar	182	29	64	125	240	262	96	761	50	811	822	65	887	8	..
2.	Akola	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Amravati	9	..	1	5	2	44	9	46	..	46	20	31	51	..	47
4.	Aurangabad	3	..	..	..	..	227	39	96	29	125	89	52	141	7	20
5.	Beed	..	..	..	..	..	..	20	107	14	121	56	85	141	..	..
6.	Bhandhara	..	..	..	..	..	..	2	5	..	5	3	2	5	84	..
7.	Buldhana	1	3	..	..	3	8	7	10	..	10	3	1	4	42	..
8.	Chandrapur	..	9	..	1	..	..	..	10	..	10	10	..	10	..	..
9.	Dhule	..	..	..	..	..	..	112	466	..	466	108	410	518	..	114
10.	Gadchiroli	..	..	..	..	..	..	2	1	18	19	..	20	20	18	..
11.	Jalgaon	17	16	14	4	12	56	23	96	..	95	42	77	119	15	..
12.	Jalna	1	..	..	6	4	3	..	14	..	14	12	2	14	10	..
13.	Kolhapur	113	53	68	82	158	195	54	608	7	615	255	377	632	5	53
14.	Latur	67	16	21	85	270	221	195	1,039	27	1,066	4,393	69,790	74,183	6	..
15.	Nagpur	..	2	5	5	1	8	7	24	3	27	29	5	34	..	..
16.	Nanded	83	4	4	11	..	56	14	163	6	169	133	39	172	..	..
17.	Nasik	..	..	..	..	..	..	70	63	60	123	81	29	110	..	..
18.	Osmanabad	160	39	99	92	140	49	33	532	6	538	446	59	505	..	..
19.	Parbhani	..	..	1	1	7	21	1	29	..	29	12	13	25	7	15
20.	Pune	1	2	6	41	42	56	24	146	22	168	10	96	106	..	..
21.	Raigad	..	..	..	..	1	..	..	..	3	3	2	..	2	10	1
22.	Ratnagiri	..	..	..	..	..	..	..	1	..	1	1	..	1	..	..
23.	Sangli	..	..	..	..	..	..	325	588	25	613	344	456	800	8	..
24.	Satara	5	6	6	17	4	18	2	48	6	54	..	56	56	1	..
25.	Sindhudurg	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
26.	Solapur	31	3	15	82	105	146	183	390	57	447	226	244	470	..	252
27.	Thane	29	5	2	9	22	11	3	71	4	75	34	41	75	54	30
28.	Wardha	..	..	..	..	3	..	..	3	..	3	3	..	3	10	..
29.	Yavatmal	1	..	1	3	4	3	2	10	..	10	10	..	10	..	..
	STATE TOTAL	**703**	**187**	**307**	**569**	**1,018**	**1,384**	**1,223**	**5,327**	**337**	**5,664**	**7,144**	**71,950**	**79,094**	**10**	**532**

MINOR IRRIGATION CENSUS OF MAHARASHTRA FOR 1986-87

SCHEDULE B-3 DISTRICT LEVEL ABSTRACT OF MAHARASHTRA (DEEP TUBEWELLS *Contd.*)

STATE : MAHARASHTRA

Sl. No.	Name of District	Culturable Command Area (In HA.)	Gross Irri. Pot. Created (In HA.)	Seasonwise area Irrigated by Deep Tubewell (In HA.)					Seasonwise Area Irrigated by other Sources (In HA.)				
				Kharif	Rabi	Perennial	Others	Total (20 to 23)	Kharif	Rabi	Perennial	Others	Total (25 to 28)
1	2	18	19	20	21	22	23	24	25	26	27	28	29
1.	Ahmednagar	1,777	1,138	482	600	325	79	1,486	96	239	27	2	364
2.	Akola	?	3	..	..	3	..	3	..	..	..	..	..
3.	Amravati	246	218	47	57	102	1	207	..	..	..	..	..
4.	Aurangabad	76	506	101	115	121	30	367	..	..	..	6	6
5.	Beed	412	357	94	113	104	23	334	77	67	36	4	184
6.	Bhandaara	18	24	13	9	2	..	24	..	..	..	..	..
7.	Buldhana	35	32	9	10	2	2	23	7	9	..	1	17
8.	Chandrapur	54	163	54	54	7	27	142	..	..	..	..	..
9.	Dhule	1,349	1,536	345	431	580	53	1,409	1,211	839	176	..	2,226
10.	Gadchiroli	33	33	9	25	1	..	35	..	..	..	..	..
11.	Jalgaon	585	555	95	105	164	15	379	..	..	..	..	..
12.	Jalna	36	31	8	12	17	..	37	..	..	..	..	..
13.	Kolhapur	1,038	1,043	196	164	526	39	925	8	4	47	1	60
14.	Latur	4,561	3,117	403	682	1,177	260	2,522	52	27	37	..	116
15.	Nagpur	69	68	8	41	19	4	72	2	2	3	1	8
16.	Nanded	476	371	166	100	103	20	389	4	1	1	..	6
17.	Nashik	218	224	71	91	60	10	232	3	20	5	5	33
18.	Osmanabad	2,649	2,295	683	741	497	64	1,985	85	122	128	33	368
19.	Parbhani	79	75	22	23	23	1	69	13	13	13	..	39
20.	Pune	298	90	24,953	9	60	2	25,024	..	..	19	..	19
21.	Raigad	1	2	..	3	..	..	3	..	2	..	..	2
22.	Ratnagiri	2	1	..	1	..	..	1	..	1	..	..	1
23.	Sangli	1,591	1,032	352	215	293	14	874	6	6	12	4	28
24.	Satara	70	67	12	9	43	1	65	1	..	3	1	5
25.	Sindhudurg	..	..	..	..	..	..	..	..	..	..	..	..
26.	Solapur	1,089	1,141	267	361	420	11	1,059	153	1,573	690	61	2,477
27.	Thane	186	213	79	68	141	52	340	..	12	10	..	22
28.	Wardha	..	..	..	..	..	..	..	..	..	..	..	..
29.	Yeoatmal	59	55	4	5	26	7	42	..	..	..	..	..
STATE TOTAL		17,009	14,390	28,473	4,044	4,816	715	38048	1718	2937	1,207	119	5,981

MINOR IRRIGATION CENSUS IN MEGHALAYA FOR 1986-87

SCHEDULE B-3 DISTRICT LEVEL ABSTRACT OF MEGHALAYA (DEEP TUBEWELLS)

STATE : MEGHALAYA

Sl. No.	Name of District	Yearwise No. of Deep Tubewells Commissioned during						No. of wells Not in Use	No. of Tubewells with Lift. Devices			Distribution wise no. of Tubewells			Avrg. No. of Hours Elec. Avrg. Per day	No.of wells with Dedicated Feeders
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Submer. Pump	Turbin Pump	Total (10+11)	Pucca Surface	Under Ground	Total (13+14)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	East Garo Hills	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2.	East Khas Hils	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Jaintia Hiols	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4.	West Garo Hills	..	..	..	..	..	..	..	1	4	5	4	1	5	..	..
5.	West Khasi Hills	..	..	..	1	4	..	..	..	..	..	..	..	..	..	..
	STATE TOTAL	..	..	..	1	4	..	..	1	4	5	4	1	5	..	..

Sl. No.	Name of District	Culturable Command Area (IN HA)	Gross Irri. Pot. Created (IN HA.)	Seasonwise area Irrigated by Deep Tubewells (IN HA.)					Seasonwise area Irrigated by other Sources (IN HA.)				
				Kharif	Rabi	Perennia	Others	Total (20 to 23)	Kharif	Rabi	Perennial	Others	Total (25 to 28)
1	2	18	19	20	21	22	23	24	25	26	27	28	29
1.	East Garo Hills	..	..	..	..	..	..	..	..	..	..	..	..
2.	East Khas Hills	..	..	..	..	..	..	..	..	..	..	..	..
3.	Jaintia Hills	..	..	..	..	..	..	..	..	..	..	..	..
4.	West Garo Hills	240	265	240	25	..	..	265	..	..	..	..	..
5.	West Khasi Hills	..	..	..	..	..	..	..	..	..	..	..	..
	STATE TOTAL	240	265	240	25	..	..	265	..	..	..	..	..

MINOR IRRIGATION CENSUS IN ORISSA FOR 1986-87

SCHEDULE B-3 DISTRICT LEVEL ABSTRACT OF ORISSA (DEEP TUBEWELLS)

STATE : ORISSA

Sl. No.	Name of District	Yearwise No. of Deep Tubewells Commissioned during						No.of Wells Not in Use	No. of Tubewells with Lift Devices			Distribution wise no. of Tubewells			Avrg. No. of Hours Elec. Avrg. Per day	No.of Wells with Dedicated Feeders
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Submer. Pump	Turbine Pump	Total (10+11)	Pucca Surface	Under Ground	Total (13+14)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Balasore	1,149	205	72	107	91	45	296	1,364	9	1,373	804	535	1,339	8	1,613
2.	Bolanger	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Cuttack	187	32	21	17	14	9	91	156	33	189	111	97	208	8	238
4.	Dhenkanal	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5.	Ganjam	88	6	1	5	1	1	19	50	33	83	60	42	102	8	120
6.	Kalahandi	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7.	Keonjhar	2	..	..	..	..	..	..	2	..	2	..	2	2	4	2
8.	Koraput	..	1	..	..	..	..	..	..	1	1	..	..	..	8	1
9.	Mayurbhanj	63	58	28	39	53	20	38	223	..	223	178	83	261	7	261
10.	Phulbani	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11.	Puri	2	6	..	..	..	..	1	..	7	7	6	2	8	6	7
12.	Sambalpur	..	..	2	..	..	..	..	2	..	2	..	2	2	18	2
13.	Sundargarh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	STATE TOTAL	1,491	308	124	168	159	75	445	1,797	83	1,880	1,159	763	1,922	8	2,244

Sl. No.	Name of Dstrict	Culturable Command Area (IN HA.)	Gross Irri. Pot. Created (IN HA.)	Seasonwise area Irrigated by deep Tubewells (IN HA.)					Seasonwise area Irrigated by other sources (IN HA.)				
				Kharif	Rabi	Perennial	Others	Total (20 to 23)	Kharif	Rabi	Perennial	Others	Total (25 to 28)
1	2	18	19	20	21	22	23	24	25	26	27	28	29
1.	Balasore	33,811	55,155	8,411	10,106	25	46	18,588	1,242	1	..	..	1,243
2.	Bolanger	..	..	..	..	..	..	..	..	..	..	..	..
3.	Cuttack	4,711	7,394	526	1,223	4	..	1,753	..	..	..	..	..
4.	Dhenkanal	..	..	..	..	..	..	..	..	..	..	..	..
5.	Ganjam	734	915	333	354	50	..	737	21	4	..	..	25
6.	Kalahandi	..	..	..	..	..	..	..	..	..	..	..	..
7.	Keonjhar	24	24	9	11	..	..	20	..	..	..	..	..
8.	Koraput	8	8	5	1	..	..	6	..	..	..	..	..
9.	Mayurbhanj	3,022	5,112	1,437	1,120	2	1	2,560	17	3	..	..	20
10.	Phulbani	..	..	..	..	..	..	..	..	..	..	..	..
11.	Puri	46	46	14	12	1	1	28	..	..	..	..	..
12.	Sambalpur	26	42	10	9	..	..	19	..	..	..	..	..
13.	Sundargarh	..	..	..	..	..	..	..	..	..	..	..	..
	STATE TOTAL	42,382	68,696	10,745	12,836	82	48	23,711	1,280	8	..	..	1,288

MINOR IRRIGATION CENSUS IN PUNJAB FOR 1986-87

SCHEDULE B-3 DISTRICT LEVEL ABSTRACT OF PUNJAB (DEEP TUBEWELLS)

STATE : PUNJAB

Sl. No.	Name of District	Yearwise no. of Deep Tubewells Commissioned during						No.of Wells	No. of Tubewells with Lift. Devices			Distribution wise No. of Tubewells			Avrg.No. of Hours	No. of Wells with
		Before 82-83	82-83	83-84	84-85	85-86	86-87	Not in Use	Submer. Pump	Turbine Pump	Total (10+11)	Pacca Surface	Under Ground	Total (13+14)	Elec. Avrg. Per day	Dedicated Feeders
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Amritsar	..	..	..	..	..	4	..	4	..	4	4	..	4	10	..
2.	Bathinda	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Faridkot	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4.	Ferozpur	..	..	..	..	..	2	..	2	..	2	1	1	2	9	..
5.	Gurdaspur	..	..	..	..	..	42	..	42	..	42	42	..	42	11	..
6.	Hoshiarpur	..	..	..	..	..	256	11	211	45	256	114	108	222	9	252
7.	Jalandhar	..	..	..	..	..	81	2	8	73	81	2	79	81	9	..
8.	Kapurthala	..	..	..	..	..	98	..	98	..	98	87	11	98	9	9
9.	Ludhiana	..	..	..	..	..	79	1	..	79	79	79	..	79	11	79
10.	Patiala	..	..	..	..	..	407	2	382	25	407	170	8	178	11	12
11.	Ropar	..	..	..	..	..	213	20	79	134	213	54	71	125	24	..
12.	Sangrur	..	..	..	..	..	350	1	350	..	350	350	..	350	11	..
	STATE TOTAL	..	..	..	..	..	**1,532**	**37**	**1,176**	**356**	**1,532**	**903**	**278**	**1,181**	**10**	**352**

Sl. No.	Name of District	Culturable Command Area (IN HA.)	Gross Irri. Pot Created (IN HA.)	Seasonwise area Irrigated by deep Tubewell (IN HA.)					Seasonwise area Irriagted by other sources (IN HA.)				
				Kharif	Rabi	Perennial	others	Total (20 to 23)	Kharif	Rabi	Perennial	Others	Total (25 to 28)
1	2	18	19	20	21	22	23	24	25	26	27	28	29
1.	Amritsar	252	404	105	252	..	..	357	..	..	..	..	..
2.	Bathinda	..	..	..	..	..	..	..	..	..	..	..	..
3.	Faridkot	..	..	..	..	..	..	..	..	..	..	..	..
4.	Ferozpur	89	97	..	..	..	..	..	45	53	..	..	98
5.	Gurdaspur	1,821	3,440	1,711	1,727	2	..	3,440	..	..	..	..	..
6.	Hoshiarpur	19,693	32,925	9,689	13,469	925	438	24,521	462	461	82	..	1,005
7.	Jalandhar	9,309	2,253	1,193	1,034	26	..	2,253	..	..	..	..	..
8.	Kapurthala	8,053	3,124	1,578	1,485	61	..	3,124	6,151	6,243	344	..	12,738
9.	Ludhiana	2,413	3,704	1,083	968	57	..	2,108	34	36	..	2	72
10.	Patiala	4,273	7,905	3,726	3786	26	70	7,608	2,313	2,311	2	4	4,630
11.	Ropar	7,317	12,926	4,057	3,713	531	43	8,344	12	24	8	..	44
12.	Sangrur	6,943	10,864	3,837	3,835	..	..	7,672	..	..	..	..	..
	STATE TOTAL	**60,163**	**77,642**	**26,979**	**30,269**	**1,628**	**551**	**59,427**	**9,017**	**9,128**	**436**	**6**	**18,587**

MINOR IRRIGATION CENSUS IN TAMIL NADU FOR 1986-87

SCHEDULE B-3 DISTRICT LEVEL ABSTRACT OF TAMIL NADU (DEEP TUBEWELLS)

STATE : TAMIL NADU

Sl. No.	Name of District	Yearwise no. of Deep Tubwells Commissioned during						No. of Wells not in Use	No. of Tubwells with lift. Devices				Distribution wise No. of Tubewells		Avrg.No. of Hours Elec.Avbl. Per day	No.of Wells with Dedicated Feeders
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Submer. Pump	Turbine Pump	Total (10+11)	Pucca Surface	Under Ground	Total (13+14)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Anna	2	..	..	..	..	1	..	3	..	3	3	..	3	..	..
2.	Chenglepet	16	..	..	..	..	..	..	..	16	16	16	..	16	..	..
3.	Coimbatore	116	18	7	23	51	132	31	255	..	255	220	127	347	5	..
4.	Dharamaruri	1	6	1	1	2	8	6	..	13	13	18	1	19	6	19
5.	Kamarajar	1	..	..	..	2	2	..	..	5	5	5	..	5	..	..
6.	Kanyakumari	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7.	Madurai	42	8	12	4	31	19	2	35	79	114	76	40	116	..	114
8.	Nilgiris	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9.	North Arcot	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10.	P. Muthuramalingam	40	16	17	9	18	23	56	63	4	67	113	10	123	..	43
11.	Periyar	6	..	4	6	3	14	10	17	6	23	1	32	33	..	19
12.	Pudukottai	184	31	39	22	42	52	28	191	151	342	344	26	370	..	15
13.	Ramanathapuram	24	2	1	..	..	..	2	2	23	25	..	27	27	..	..
14.	Salem	84	29	191	199	374	691	47	425	1,099	1,524	1,290	278	1,568	8	1,568
15.	South Arcot	554	7	18	7	14	31	27	344	260	604	434	197	631	12	631
16.	Thanjavur	683	151	159	261	269	238	38	66	1657	1,723	1,599	162	1,761	..	1,723
17.	Tiruchirapalli	64	8	12	16	9	12	32	2	87	89	43	78	121	..	91
18.	Tirunelveli	6	..	1	..	..	5	..	..	12	12	..	12	12	12	..
19.	V.D. Chidambaranar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	STATE TOTAL	1,823	276	462	548	815	1,228	279	1,403	3,412	4,815	4,162	990	5,152	2	4,230

MINOR IRRIGATION CENSUS IN TAMIL NADU FOR 1986-87

SCHEDULE B-3 DISTRICT LEVEL ABSTRACT OF TAMIL NADU (DEEP TUBEWELLS—*Contd.*)

STATE : TAMIL NADU

Sl No.	Name of District	Culturable command Area (in HA.)	Gross Irri. Pot. Created (in HA.)	Seasonwise area Irrigated by Deep Tubewell (IN HA.)					Seasonwise area Irrigated by other Sources (in HA.)				
				Kharif	Rabi	Perennial	Others	Total (20 to 23)	Kharif	Rabi	Perennial	Others	Total (25 to 28)
1	2	18	19	20	21	22	23	24	25	26	27	28	29
1.	Anna	3	8	2	1	..	..	3	..	..	..	..	..
2.	Chenglepet	..	2	2	..	..	..	2	..	..	..	..	..
3.	Coimbatore	852	1,028	242	36	291	..	569	..	..	..	..	..
4.	Dharamaruri	18	18	11	2	1	..	14	..	..	..	..	..
5.	Kamarajar	58	66	45	..	..	..	45	..	..	..	..	..
6.	Kanyakumari	..	..	..	..	..	..	..	..	..	..	..	..
7.	Madurai	113	163	8	31	92	12	143	1	2	..	..	3
8.	Nilgiris	..	..	..	..	..	..	..	..	..	..	..	..
9.	North Arcot	..	..	..	..	..	..	..	..	..	..	..	..
10.	P. Muthuramalingam	1,606	1,681	90	486	43	55	674	..	..	..	..	..
11.	Periyar	63	50	17	10	3	..	30	1	..	6	..	7
12.	Pudukottai	1,523	1,888	569	709	252	47	1,577	63	110	61	..	234
13.	Ramanathapuram	235	235	..	173	1	..	174	..	36	1	..	37
14.	Salem	1,665	1,675	597	404	202	85	1,288	..	..	..	..	..
15.	South Arcot	1,419	1,550	430	659	307	76	1,472	14	53	2	..	69
16.	Thanjavur	3,842	5,155	1,514	1,723	975	942	5,154	200	290	37	45	572
17.	Tiruchirapalli	464	627	174	153	12	2	341	2	65	..	..	67
18.	Tirunelveli	24	1	..	..	9	..	9	..	..	2	..	2
19.	V.O. Chidambaranar	..	..	..	..	..	..	..	..	..	..	..	..
	STATE TOTAL	**11,885**	**14,147**	**3,701**	**4,387**	**2,188**	**1,219**	**11,495**	**281**	**556**	**109**	**45**	**991**

MINOR IRRIGATION CENSUS IN TRIPURA FOR 1986-87

SCHEDULE B-3 DISTRICT LEVEL ABSTRACT OF TRIPURA (DEEP TUBEWELLS)

STATE : TRIPURA

Sl. No.	Name of District	Yearwise no. of Deep Tubewells Commissioned during						No. of Wells not in use	No. of Tubewells with Lift. Devices			Distribution wise No. of Tubwells			Avrg.No. of Hours Elec. Avbl. per day	No. of Wells with Dedicated Feeders
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Submer. Pump	Turbine Pump	Total (10+11)	Pucca Surface	Under Ground	Total (13+14)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	North Tripura . . .	8	3	1	..	3	1	1	4	11	15	7	8	15	3	16
2.	South Tripura	12	6	..	2	1	4	2	13	10	23	1	20	21	6	23
3.	West Tripura	27	..	2	3	3	11	3	28	15	43	8	35	43	5	42
	STATE TOTAL . . .	**47**	**9**	**3**	**5**	**7**	**16**	**6**	**45**	**36**	**81**	**16**	**63**	**79**	**5**	**81**

Sl No.	Name of District	Culturable Command Area (in HA.)	Gross Irri. Pot. Created (in HA.)	Seasonwise area Irrigated by Deep Tubewell (in HA)					Seasonwise Area Irrigated by other sources (in HA.)				
				Kharif	Rabi	Perennial	Others	Total (20 to 23)	Kharif	Rabi	Perennial	Others	Total (25 to 28)
1	2	18	19	20	21	22	23	24	25	26	27	28	29
1.	North Tripura . . .	480	960	181	61	..	22	264	..	..	..	..	..
2.	South Tripura	707	1,294	162	248	1	90	501	15	6	..	..	21
3.	West Tripura	1,320	2,640	509	421	3	31	964	..	..	..	..	..
	STATE TOTAL . . .	**2,507**	**4,894**	**852**	**730**	**4**	**143**	**1,729**	**15**	**6**	**..**	**..**	**21**

MINOR IRRIGATION CENSUS IN UTTAR PRADESH FOR 1986-87

SCHEDULE B-3 DISTRICT LEVEL ABSTRACT OF UTTAR PRADESH (DEEP TUBEWELLS)

STATE : UTTER PRADESH

Sl. No.	Name of District	Yearwise No. of Deep Tubewells Commissioned during						No. of Wells not in use	No. of Tubewells with Lift. devices			Distribution wise No. of Tubewells			Avrg. No. of hours Elec. avbl. per day	No. of wells with dedicated feeders
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Submer. Pump	Turbine Pump	Total (10+11)	Pucca surface	Under Ground	Total (13+14)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Agra	..	..	..	..	..	..	142	236	93	329	214	115	329	8	..
2.	Aligarh	..	..	..	..	..	..	..	683	..	683	683	..	683	8	..
3.	Allahabad	..	..	..	..	..	..	51	444	477	921	684	207	891	10	14
4.	Almora	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5.	Azamgarh	..	..	..	..	..	..	31	144	421	565	490	75	565	8	596
6.	Ballia	..	..	..	..	..	..	36	268	300	568	534	34	568	8	..
7.	Banda	..	..	..	..	..	..	56	157	135	292	147	145	292	11	..
8.	Barabanki	..	..	..	..	..	..	13	..	169	169	169	..	169	8	..
9.	Bareilly	..	..	..	..	..	..	2	263	258	521	289	232	521	8	..
10.	Basti	..	..	..	..	..	..	6	587	328	915	773	142	915	9	..
11.	Bharich	..	..	..	..	..	..	7	345	88	433	368	65	433	8	..
12.	Bijnor	..	..	..	..	..	..	74	499	207	706	582	124	706	8	52
13.	Budaun	..	..	..	..	..	..	18	653	370	1,023	626	397	1,023	8	..
14.	Bulandshaher	..	..	..	..	..	..	19	216	348	564	494	70	564	8	..
15.	Chamoli	..	..	..	..	..	..	..	..	—	..	..	..	..	..	..
16.	Dehradun	..	..	..	..	..	..	11	37	6	43	43	..	43	8	..
17.	Deoria	..	..	..	..	..	..	26	213	589	802	703	99	802	8	..
18.	Etah	..	..	..	..	..	..	14	129	454	583	471	112	583	8	79
19.	Etawah	..	..	..	..	..	..	44	312	63	375	206	169	375	8	..
20.	Faizabad	..	..	..	..	..	..	10	191	555	746	677	69	746	8	..
21.	Farrukhabad	..	..	..	..	..	..	54	87	303	390	326	64	390	8	..
22.	Fatehpur	..	..	..	..	..	..	40	234	58	292	194	98	292	10	..
23.	Ghaziabad	..	..	..	..	..	..	28	194	70	264	245	19	264	8	..
24.	Ghazipur	..	..	..	..	..	..	40	267	383	650	568	82	650	9	..
25.	Gonda	..	..	..	..	..	..	11	401	184	585	447	138	585	8	..
26.	Gorakhpur	..	..	..	..	..	..	26	356	547	903	805	98	903	10	118
27.	Hamirpur	..	..	..	..	..	..	18	222	90	312	209	103	312	9	..
28.	Hardoi	..	..	..	..	..	..	11	226	158	384	304	80	384	8	..
29.	Jalaun	..	..	..	..	..	..	61	345	..	345	157	188	345	8	..

30.	Jaunpur	38	153	310	463	383	80	463	8	..
31.	Jhansi	1	52	..	52	..	52	52	14	..
32.	Kanpur Dehat	27	264	121	385	348	37	385	8	..
33.	Kanpur Nagar	2	23	1	24	23	1	24	10	11
34.	Kheri	53	338	311	649	350	299	649	8	..
35.	Lalitpur	..	..	..	..	..	..	..	..	—
36.	Lucknow	4	273		273	222	51	273	8	..
37.	Mainpuri	55	6	476	482	482	..	482	8	..
38.	Mathura	1	2	15	17	10	7	17	10	..
39.	Meerut	46	127	451	578	572	6	578	8	..
40.	Mirzapur	6	51	220	271	210	61	271	8	..
41.	Moradabad	28	522	501	1,023	989	34	1,023	8	29
42.	Muzaffar Nagar	23	395	204	599	546	53	599	8	..
43.	Nainital	20	237	202	439	160	279	439	18	1
44.	Pauri Garhwal	..	..	..	..	..	..	..	..	..
45.	Pilibhit	2	59	7	66	28	38	66	8	..
46.	Pithoragarh	..	..	..	..	..	..	..	..	..
47.	Pratabgarh	30	85	37	122	119	3	122	8	..
48.	Rai Bareli	12	94	219	313	140	173	313	10	..
49.	Rampur	6	70	171	241	204	37	241	8	78
50.	Saharanpur	28	628	129	757	658	99	757	13	40
51.	Shahjahanpur	13	279	12	291	223	68	291	8	..
52.	Sitapur	19	206	284	490	270	220	490	8	16
53.	Sultanpur	34	399	150	549	482	67	549	8	..
54.	Tehri Garhwal	..	..	..		..	..	..	..	..
55.	Unnao	7	39	41	80	47	33	80	8	..
56.	Uttarkashi	..	..	..	..	..	..	..	..	..
57.	Varanasi	27	1,174	166	1,340	1,340	39	1,301	8	1,340
	STATE TOTAL	**1,331**	**13,185**	**10,682**	**23,867**	**19,175**	**4,662**	**23,837**	**8**	**2,374**

MINOR IRRIGATION CENSUS IN UTTER PRADESH FOR 1986-87

SCHEDULE B-3 DISTRICT LEVEL ABSTRACT OF UTTAR PRADESH (DEEP TUBEWELLS—*Contd.*)

STATE : UTTAR PRADESH

Sl. No.	Name of District	Culturable command Area (in HA)	Gross Irri. pot created (in HA)	Seasonwise area Irrigated by Deep Tubewell (in HA)					Seasonwise area Irrigated by other Sources (in HA)				
				Kharif	Rabi	Perennial	Others	Total (20 to 23)	Kharif	Rabi	Perennial	Others	Total (25 to 28)
1	2	18	19	20	21	22	23	24	25	26	27	28	29
1.	Agra	32,767	39,532	4,169	17,972	390	311	22,842	522	5,295	15	65	5,897
2.	Aligarh	61,470	55,323	12,934	25,866	1,200	4,395	44,395	2,100	8,515	275	750	11,640
3.	Allahabad	63,265	65,485	25,210	34,134	3,027	1,051	63,422	999	1,341	106	48	2,494
4.	Almora	..	..	..	..	..	..	..	..	..	..	..	..
5.	Azamgarh	46,314	51,727	12,597	19,704	4,490	2,700	39,491	1,517	2,177	224	153	4,071
6.	Ballia	56,800	73,395	10,916	22,866	997	1,568	36,347	878	2,831	81	73	3,863
7.	Banda	15,600	16,884	1,906	8,703	9	159	10,677	6	111	..	..	117
8.	Barabanki	6,631	11,287	3,421	6,017	563	262	10,263	647	571	31	27	1,276
9.	Bareilly	48,606	56,553	16,898	26,077	999	2,182	46,156	1,844	2,162	310	865	5,181
10.	Basti	60,933	72,657	18,337	36,413	3,528	1,111	60,389	2,715	4,370	484	176	7,745
11.	Bharich	31,367	47,961	10,506	19,507	763	1,328	32,104	24	138	3	6	171
12.	Bijnor	64,767	75,537	15,342	14,438	2,652	1,185	33,617	814	781	22	37	1,654
13.	Budaun	100,512	1,11,669	23,694	49,690	1,937	4,474	79,795	4,729	11,770	845	1,304	18,648
14.	Bulandshaher	54,227	56,630	18,910	23,677	2,490	1,845	46,922	4,256	4,314	619	249	9,438
15.	Chamoli	..	..	..	..	..	..	..	..	..	..	..	..
16.	Dehradun	4,469	5,659	799	1,853	481	229	3,362	26	63	..	..	89
17.	Deoria	61,386	67,959	15,477	24,638	3,339	1,381	44,835	5,256	6,220	795	402	12,673
18.	Etah	59,190	73,494	15,103	42,019	1,469	4,471	63,062	2,160	9,818	280	866	13,124
19.	Etawah	36,010	34,955	2,941	9,664	379	227	13,211	451	864	118	96	1,529
20.	Faizabad	60,242	60,413	20,369	29,958	3,696	2,674	56,697	7,653	9,745	1,710	697	19,805
21.	Farrukhabad	46,925	23,460	6,313	14,925	655	1,567	23,460	123	404	14	..	541
22.	Fatehpur	32,200	26,165	3,640	14,031	988	903	19,562	1,091	2,276	188	125	3,680
23.	Ghaziabad	15,477	16239	4,409	4,956	946	589	10,900	2,190	3,338	456	708	6,692
24.	Ghazipur	65,000	99,104	12,916	25,611	4,314	1,096	43,937	344	531	70	21	966
25.	Gonda	44,478	31,197	8,329	20,896	1,181	791	31,197	1,081	3,891	83	167	5,222
26.	Gorakhpur	82,679	87,359	16,228	34,318	3,087	2,399	56,032	3,683	2,277	216	445	6,621
27.	Hamirpur	20,252	13,892	158	11,397	26	7	11,588	..	223	..	..	223
28.	Hardoi	47,334	69,883	10,245	54,422	313	658	65,638	232	1,096	..	71	1,399
29.	Jalaun	33,800	79,600	8,210	10,441	40	88	18,779	7	139	20	10	176

30.	Jaunpur	41,767	45,901	9,401	22,304	1,713	1,292	34,710	1,123	2,066	205	185	3,579
31.	Jhansi	4,135	2,880	95	1,965	1,300	700	4,060	87	100	13	12	212
32.	Kanpur Dehat	38,500	38,500	2,509	14,506	181	109	17,305	19	..	275	..	294
33.	Kanpur Nagar	1,516	2,292	559	1,231	25	82	1,897	113	243	4	..	360
34.	Kheri	71,833	75,505	22,322	29,151	4,624	1,785	57,882	2,630	4,138	589	47	7,404
35.	Lalitpur	..	..	..	..	..	..	..	..	..	..	..	..
36.	Lucknow	25,935	20,475	5,668	11,332	517	260	17,777	500	579	30	26	1,135
37.	Mainpuri	19,365	25,972	5,197	11,721	161	441	17,520	900	3,519	16	114	4,549
38.	Mathura	1,715	2,995	111	915	7	17	1,050	45	307	3	7	362
39.	Meerut	66,618	68,614	11,095	12,740	5,556	754	30,145	6,754	9,601	4,906	125	21,386
40.	Mirzapur	23,045	19,630	6,209	11,931	788	702	19,630	293	363	64	48	768
41.	Moradabad	90,976	87,3837	25,747	36,256	2,344	2,426	66,773	5,083	5,569	1	44	10,697
42.	Muzaffar Nagar	39,885	45,587	17,068	21,284	4,961	744	44,057	8,070	5,978	1,449	714	16,211
43.	Nainital	18,921	27,520	10,386	10,216	2,345	345	23,292	589	597	112	16	1,314
44.	Pauri Garhwal	..	..	..	..	..	..	..	..	..	..	..	..
45.	Pilibhit	5,011	5,170	1,863	1,781	350	155	4,149	30	30	20	..	80
46.	Pithoragarh	..	..	..	..	..	..	..	..	..	..	..	..
47.	Pratapgarh	15,200	8,721	2,132	3,806	502	254	6,694	1,219	1,716	367	119	3,421
48.	Rai Bareilly	25,644	41,302	17,895	19,365	716	896	38,872	886	1,571	64	77	2,598
49.	Rampur	23,104	24,902	10,319	11,835	327	686	23,167	678	892	117	21	1,708
50.	Saharanpur	72,957	1,24,876	36,642	28,377	201	4,980	70,200	370	299	17	68	75
51.	Shahjahanpur	20,716	23,502	7,773	11,751	1,066	548	21,138	90	566	5	5	666
52.	Sitapur	52,692	33,279	8,864	19,375	2,631	737	31,607	2,220	4,120	323	172	6,835
53.	Sultanpur	29,480	35,843	9,669	13,533	20,519	1,353	45,074	1,808	3,493	486	484	6,271
54.	Tehri Garhwal	..	..	..	..	..	..	..	..	..	..	..	..
55.	Unnao	9,100	9,100	1,626	2,601	200	352	4,779	876	1,573	120	197	2,766
56.	Uttarkashi	..	..	..	..	..	..	..	..	..	..	..	..
57.	Varanasi	1,36,700	1,36,700	32,600	54,599	2,640	..	89,560	13,600	30,840	..	..	44,440
	STATE TOTAL	**20,87,516**	**23,27,072**	**5,45,727**	**9,56,669**	**97,453**	**60,169**	**16,60,018**	**93,331**	**1,63,695**	**15,876**	**9,842**	**2,82,745**

MINOR IRRIGATION CENSUS IN WEST BENGAL FOR 1986-87

SCHEDULE B-3 DISTRICT LEVEL ABSTRACT OF WEST BENGAL (DEEP TUBEWELLS)

STATE : WEST BENGAL

Sl. No.	Name of District	Yearwise No. of Deep Tubewells Commissioned During						No. of wells not in use	No of Tubewells with Lift. Devices			Distribution wise No. of Tubewells			Avg. No. of hours Elec. Avbl. per day	No. of wells with Dedicated Feeders
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Submer. Pump	Turbine Pump	Total (10 11)	Pucca surface	Under Ground	Total (13+14)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Bankura	..	..	..	..	..	..	29	41	14	55	13	57	70	8	5
2.	Birbhum	..	..	..	..	..	..	2	50	..	50	1	42	43	12	..
3.	Burdwan	..	..	..	..	..	..	9	275	115	390	..	286	286	9	..
4.	Cooch Bihar	..	..	..	..	..	..	4	39	12	51	2	8	10	7	..
5.	Darjeeling	..	..	..	..	..	..	1	1	3	4	..	1	1	7	..
6.	Hooggly	..	..	..	..	..	..	7	215	161	376	..	240	240	9	..
7.	Howrah	..	..	..	..	..	..	10	117	15	132	12	129	141	7	..
8.	Jalpaiguri	..	..	..	..	..	..	1	14	26	40	..	12	12	9	..
9.	Malda	..	..	..	..	..	..	12	150	27	177	..	140	140	9	..
10.	Midnapore	..	..	..	..	..	..	17	240	64	304	14	264	278	11	..
11.	Murshiabad	..	..	..	..	..	..	29	215	187	402	7	277	284	12	..
12.	Nadia	..	..	..	..	..	..	21	330	258	588	4	440	444	10	..
13.	North 24-Parganas	..	..	..	..	..	..	10	90	160	250	2	254	256	11	..
14.	Purulia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
15.	South 24-Parganas	..	..	..	..	..	..	..	3	3	6	..	5	5	9	..
16.	West Dinajpur	..	..	..	..	..	..	12	64	69	133	7	128	135	10	..
	STATE TOTAL	..	..	..	..	..	..	164	1,844	1,114	2,958	62	2,283	2,345	9	5

MINOR IRRIGATION CENSUS IN WEST BENGAL FOR 1986-87

SCHEDULE B-3 DISTRICT LEVEL ABSTRACT OF WEST BENGAL (DEEP TUBEWELLS—*Contd.*)

STATE : WEST BENGAL

Sl. No.	Name of District	Culturable Command Area (in HA)	Gross Irri. Pot. Created (in HA)	Seasonwise area Irrigated by deep tubewell (in HA)					Seasonwise area Irrigated by other Sources (in HA)				
				Kharif	Rabi	Perennial	Others	Total (20 to 23)	Kharif	Rabi	Perennial	Others	Total (25 to 28)
1	2	18	19	20	21	22	23	24	25	26	27	28	29
1.	Bankura	1,761	2,224	354	551	41	107	1,053	5	..	..	..	5
2.	Birbhum	1,817	2,076	340	476	7	39	862	137	31	..	..	168
3.	Burdwan	16,714	26,437	7,429	7,748	128	2,410	17,715	130	..	..	..	130
4.	Cooch Bihar	2,028	2,516	296	561	..	73	930	6	101	..	8	115
5.	Darjeeling	207	220	..	..	195	..	195	..	..	..	..	..
6.	Hooghli	14,780	28,549	4,453	7,696	5	1,995	14,149	14	40	5	2	61
7.	Howrah	4,758	9,399	1,237	1,873	208	818	4,136	125	105	..	2	232
8.	Jalpaiguri	1,212	2,790	80	225	314	81	700	..	..	155	..	155
9.	Malda	6,495	10,610	408	1,332	181	122	2,043	7	20	4	..	31
10.	Midnapore	10,525	19,012	2,265	5,895	548	385	9,093	57	84	43	..	184
11.	Murshiabad	15,996	18,525	3,764	6,382	89	1,310	11,545	12	24	..	4	40
12.	Nadia	30,206	47,725	5,854	10,187	789	2,654	19,484	171	529	37	69	806
13.	North 24-Praganas	9,160	15,649	1,720	3,603	28	991	6,342	18	11	..	4	33
14	Purulia	..	..	..	..	..	..	..	..	..	..	..	..
15	South 24-Praganas	168	171	10	63	..	1	74	2	12	..	1	15
16	West Dinajpur	5,862	11,747	106	1,150	106	629	1,991	..	1	..	1	2
	STATE TOTAL	**1,21,689**	**1,97,650**	**28,316**	**47,742**	**2,639**	**11,615**	**90,312**	**684**	**958**	**244**	**91**	**1,977**

MINOR IRRIGATION CENSUS IN CHANDIGARH(UT) FOR 1986-87

SCHEDULE B-3 DISTRICT LEVEL ABSTRACT OF CHANDIGARH(UT) (DEEP TUBEWELLS)

STATE : CHANDIGARH(UT)

Sl. No.	Name of District	Yearwise No. of deep tubewells commissioned during						No. of Wells not in use	No. of tubewells with Lift Devices			Distributionwise No. of tubewells			Avrg. No. of hours Elec. avbl. per day	No. of wells with dedicated feeders
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Submer. pump	Turbine pump	Total (10+11)	Pucca Surface	Under Ground	Total (13+14)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Chandigarh .	26	3	..	3	6	7	4	41	..	41	..	37	37	..	..
	STATE TOTAL .	**26**	**3**	**..**	**3**	**6**	**7**	**4**	**41**	**..**	**41**	**..**	**37**	**37**	**..**	**..**

Sl. No.	Name of District	Culturable Command Area (in HA)	Gross Irri. pot. Created (in HA)	Seasonwise area irrigated by deep tubewell (in HA)					Seasonwise area irrigated by other sources (in HA)				
				Kharif	Rabi	Perennial	Others	Total (20 to 23)	Kharif	Rabi	Perennial	Others	Total (25 to 28)
1	2	18	19	20	21	22	23	24	25	26	27	28	29
1.	Chandigarh . .	883	1,814	741	715	173	173	1,802	3	3	2	..	8
	STATE TOTAL .	**883**	**1,814**	**741**	**715**	**173**	**173**	**1,802**	**3**	**3**	**2**	**..**	**8**

MINOR IRRIGATION CENSUS IN DADRA NAGAR HAVELI FOR 1986-87

SCHEDULE B-3 DISTRICT LEVEL ABSTRACT OF DADRA NAGAR HAVELI (DEEP TUBEWELLS)

STATE : DADRA NAGAR HAVELI

Sl. No.	Name of District	Yearwise No. of Deep Tubewells Commissioned During						No. of wells not in use	No. of Tubewells with Lift. Devices			Distributionwise No. of Tubewells			Avrg. No. of hours Elec. avbl. per day	No. of wells with Dedicated feeders
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Submer. pump	Turbine pump	Total (10 11)	Pucca surface	Under ground	Total (13+14)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Dadra Nagar Haveli	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	STATE TOTAL .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Sl. No.	Name of District	Culturable command Area (In HA)	Gross Irri. pot. created (In HA)	Seasonwise area Irrigated by Deep Tubewells (In HA)					Seasonwise area Irrigated by other sources (In HA)				
				Kharif	Rabi	Perennial	Others	Total (20 to 23)	Kharif	Rabi	Perennial	Others	Total (25 to 28)
1	2	18	19	20	21	22	23	24	25	26	27	28	29
1.	Dadra Nagar Haveli	..	..	..	..	..	..	..	..	..	..	..	..
	STATE TOTAL .	..	..	..	..	..	..	..	..	..	..	..	..

MINOR IRRIGATION CENSUS IN PANDICHERRY FOR 1986-87

SCHEDULE B-3 DISTRICT LEVEL ABSTRACT OF PONDICHERRY (DEEP TUBEWELLS)

STATE : PONDICHERRY

Sl. No.	Name of District	Yearwise No. of Deep Tubewells Commissioned During						No. of Wells not in use	No. of Tubewells with Lift Devices			Distributionwise No. of Tubewells			Avrg. No. of hours Elec. Avbl. per day	No. of wells with Dedicated feeders
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Submer. pump	Turbine pump	Total (10+11)	Pucca surface	Under ground	Total (13+14)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Pondicherry .	49	29	24	34	55	26	5	182	30	212	49	51	100	..	184
	STATE TOTAL .	**49**	**29**	**24**	**34**	**55**	**26**	**5**	**182**	**30**	**212**	**49**	**51**	**100**	..	**184**

Sl No.	Name of District	Culturable Command Area (in HA)	Gross Irri. pot. created (in HA)	Seasonwise area Irrigated by Deep Tubewell (in HA)					Seasonwise area Irrigated by other sources (in HA)				
				Kharif	Rabi	Perennial	Others	Total (20 to 23)	Kharif	Rabi	Perennial	Others	Total (25 to 28)
1	2	18	19	20	21	22	23	24	25	26	27	28	29
1	Pondicherry .	971	1,183	463	358	148	121	1,090	241	231	..	1	473
	STATE TOTAL .	**971**	**1,183**	463	358	148	121	1 090	241	231	..	1	473

MINOR IRRIGATION CENSUS IN ANDHRA PRADESH FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF ANDHRA PRADESH (SURFACE FLOW IRRI. SCHEMES)

STATE : ANDHRA PRADESH

Sl. No.	Name of District	Yearwise No. of Surface Flow Irri. Schemes Commissioned During						No. of Schemes not in Use	Categorywise No. of Irrigation in use				Number of Irrigation Schemes Owned by			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Storage	Permanent Diversion	Temporary Diversion	Total (10+11+12)	Govern-ment	Public organs.	Private society	Total (14+15+16)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Adilabad	1,217	33	37	17	20	27	184	1,069	39	59	1,167	292	..	68	360
2.	Anantapur	2,478	1	2	2	6	..	66	848	480	495	1,823	422	..	49	471
3.	Chittoor	7,911	..	..	1	3	..	1,234	5,921	692	68	6,681	74	..	8	82
4.	Cuddapah	1,847	4	5	4	12	2	287	1,221	218	148	1,587	14	..	139	153
5.	East Godavari	1,864	26	2	2	..	..	89	1,517	83	25	1,625	33	..	54	87
6.	Guntur	120	2	3	..	..	..	17	57	41	10	108	39	..	38	77
7.	Hyderabad	32	..	..	..	..	..	10	6	6	10	22	27	..	5	32
8.	Karimnagar	4,571	4	2	..	1	..	1,242	4,164	24	48	4,236	4	..	27	31
9.	Khamam	2,712	26	25	21	20	4	286	2,327	98	97	2,522	44	..	356	400
10.	Krishna	1,048	..	..	1	..	..	24	690	62	273	1,025	5	..	162	167
11.	Kurnool	445	1	2	..	3	..	47	310	25	69	404	15	..	22	37
12.	Mahbubnagar	6,173	16	1	1	..	1	1,264	4,687	224	17	4,928	348	..	118	466
13.	Medak	5,906	2	6	2	1	2	1,117	4,628	147	27	4,802	10	..	20	30
14.	Nalgonda	4,893	6	5	1	..	..	3,300	1,454	9	142	1,605	82	..	192	274
15.	Nellore	1,905	9	..	2	3	2	74	1,662	75	110	1,847	30	..	228	258
16.	Nizamabad	1,837	..	1	..	..	1	118	1,444	269	8	1,721	12	..	4	16
17.	Prakasam	729	1	48	26	4	1	62	558	54	135	747	53	..	172	225
18.	Ranga Reddy	1,839	1	18	6	..	11	520	874	135	346	1,355	24	..	78	102
19.	Srikakulam	8,028	..	..	..	..	..	53	7,814	155	6	7,975	82	..	171	253
20.	Visakhapatnam	5,429	52	29	28	26	20	107	3,565	1,912	..	5,477	1,714	..	146	1,860
21.	Vizianagaram	9,771	2	7	5	1	..	68	9,617	92	9	9,718	45	..	9	54
22.	Warangal	4,944	23	11	7	1	2	385	4,468	44	91	4,603	70	..	76	146
23.	West Godavari	1,884	..	2	4	..	1	19	1,844	99	19	1,872	99	..	411	510
	STATE TOTAL	78,303	209	206	130	101	74	10,573	60,745	4,893	2,212	67,850	3,538	..	2,553	6,091

MINOR IRRIGATION CENSUS IN ANDHRA PRADESH FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF ANDHRA PRADESH (SURFACE FLOW IRRI. SCHEMES)

STATE : ANDHRA PRADESH

Sl. No.	Name of District	No. of Schemes with Dist. System	Culturable Command Area (In HA)	Gross Irri. Pot. Created (In HA)	Seasonwise area Irrigated by Irri. Schemes (In HA)					Seasonwise area Irrigated by other Sources (In HA)				
					Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	18	19	20	21	22	23	24	25	26	27	28	29	30
1.	Adilabad	..	16,787	16,379	15,835	197	..	..	16,032	..	..	..	..	..
2.	Anantapur	..	59,097	57,642	9,778	5,311	183	26	15,298	..	..	..	..	..
3.	Chittoor	..	1,03,056	1,02,582	21,027	32,776	386	997	55,186	..	..	..	..	..
4.	Cuddapah	..	45,449	39,483	13,742	3,657	28	18	17,445	..	..	..	..	..
5.	East Godavari	..	41,592	39,990	36,560	30	123	..	36,713	..	..	..	..	..
6.	Guntur	..	3,382	3,372	2,656	187	6	..	2,849	..	..	..	..	..
7.	Hyderabad	..	238	278	32	2	76	..	110	..	..	..	..	..
8.	Karimnagar	..	81,368	91,589	44,196	17,260	8	21	61,485	..	..	..	..	..
9.	Khammam	..	70,577	61,302	56,651	1,710	..	65	58,426	..	..	..	..	..
10.	Krishna	..	31,956	34,025	30,707	858	1	224	31,790	..	..	..	..	..
11.	Kurnool	..	17,920	17,536	7,290	1,624	152	..	9,066	..	..	..	..	..
12.	Mahabubnagar	..	91,593	1,05,010	1,611	622	..	..	2,233	..	..	..	..	..
13.	Medak	..	78,374	83,530	44,105	3,792	1	346	48,244	..	..	..	..	..
14.	Nalgonda	..	72,898	70,088	18,549	8,457	..	..	27,006	..	..	..	..	..
15.	Nellore	..	1,11,000	1,16,302	6,698	1,04,317	108	..	1,11,123	..	..	..	..	..
16.	Nizamabad	..	44,207	49,506	35,582	1,755	254	156	37,747	..	..	..	..	..
17.	Prakasam	..	28,343	29,628	4,944	10,178	22	25	15,169	..	..	..	..	..
18.	Ranga Reddy	..	28,377	29,417	5,431	2,070	21	518	8,040	..	..	..	..	..
19.	Srikakulam	..	1,20,997	1,22,681	1,19,348	1,914	211	380	1,21,853	..	..	..	..	..
20.	Vishakapatnam	..	1,02,502	1,00,925	74,631	4,216	80	13,500	92,427	..	..	..	..	..
21.	Vizianagaram	..	1,13,095	1,15,880	1,04,261	48,844	44	4,800	1,57,949	..	..	..	..	..
22.	Warangal	..	1,05,391	1,10,755	79,457	7,447	..	..	86,904	..	..	..	..	..
23.	West Godavari	..	39,054	43,530	33,826	771	45	..	34.642	..	..	..	..	..
	STATE TOTAL	..	14,07,203	14,41,430	7,66,917	2,57,995	1,749	21,076	10,47,737	..	..	..	..	..

MINOR IRRIGATION CENSUS IN ARUNACHAL PRADESH FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF ARUNACHAL PRADESH (SURFACE FLOW IRRI. SCHEMES)

STATE : ARUNACHAL PRADESH

Sl. No.	Name of District	Yearwise No. of Surface Flow Irri. Schemes Commissioned During						No. of Schemes not in use	Categorywise No. of Irrigation Schemes in use				Number of Irrigation Schemes Owned by			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Storage	Permanent Diversion	Temporary Diversion	Total (10+11+12)	Govern-ment	Public organs.	Private Society	Total (14+15+16)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Changlang . .	77	37	32	23	16	10	26	15	62	92	169	139	19	37	195
2.	Dibtang Valley .	98	49	45	66	30	41	43	..	37	239	276	184	48	87	319
3.	East Kamang . .	91	42	57	57	47	21	15	..	51	249	300	119	158	38	315
4.	East Siang . .	505	225	92	116	103	50	28	..	8	1055	1,063	824	140	127	1,091
5.	Lohit . . .	37	5	7	3	1	3	11	..	15	30	45	42	8	6	56
6.	Lower Subansiri .	135	98	102	47	36	31	62	..	40	346	387	301	148	..	449
7.	Tawang . . .	6	2	3	2	2	6	9	..	8	5	13	22	..	..	22
8.	Tirap . . .	7	4	4	11	5	5	23	..	9	4	13	36	..	..	36
9.	Upper Subansiri .	56	..	89	49	110	59	10	..	..	353	353	77	286	..	363
10.	West Kameng . .	17	11	7	5	13	..	3	..	12	38	50	33	20	..	53
11.	West Siang . .	719	155	303	98	183	215	110	..	28	1,535	1,563	431	334	908	1,673
	STATE TOTAL .	1,748	628	731	477	547	441	340	15	270	3,947	4,232	2,208	1,161	1,203	4,572

MINOR IRRIGATION CENSUS IN ARUNACHAL PRADESH FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF ARUNACHAL PRADESH (SURFACE FLOW IRRI. SCHEMES)

STATE : ARUNACHAL PRADESH

Sl. No.	Name of District	No. of Schemes with Dist. System	Culturable Command Area (in HA.)	Gross Irri. Pot. Created (in HA.)	Seasonwise area Irrigated by Irri. Schemes (in HA.)					Seasonwise area Irrigated by Other Sources (in HA.)				
					Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	18	19	20	21	22	23	24	25	26	27	28	29	30
1.	Changlang	76	4,368	4,507	1,829	343	451	..	2,623	..	..	..	..	..
2.	Dibtang Valley	173	3,964	3,966	2,388	..	1	..	2,389	..	..	..	..	..
3.	East Tamang	140	2,377	2,447	1,638	74	14	..	1,726	..	..	..	..	..
4.	East Siang	974	22,389	23,675	17,604	136	2	..	17,742	..	..	..	..	..
5.	Lohit	35	4,382	4,597	2,328	298	1	5	2,632	..	..	..	..	..
6.	Lower Subansiri	37	4,507	4,682	3,043	665	2	..	3,710	..	..	..	..	..
7.	Tawang	22	735	834	352	163	..	..	515	..	..	..	..	..
8.	Tirap	21	565	571	143	1	--	--	144	..	..	--	..	--
9.	Upper Subansiri	..	1,464	1,473	1,033	..	81	..	1,114	..	..	..	..	..
10.	West Kameng	53	762	816	438	141	29	..	608	..	..	..	..	..
11.	West Siang	974	10,986	12,894	8,307	1,473	..	..	9,780	..	..	..	..	..
	STATE TOTAL	**2,505**	**56,499**	**60,462**	**39,103**	**3,294**	**581**	**5**	**42,983**	..	..	..	..	..

MINOR IRRIGATION CENSUS IN ASSAM FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF ASSAM (SURFACE FLOW IRRI. SCHEMES)

STATE : ASSAM

Sl. No.	Name of District	Yearwise No. of Surface Flow Irri. Schemes commissioned during						No. of Schemes not in use	Categorywise No. of Irrigation Schemes in use				Number of Irrigation Schemes Owned by			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Storage	Permanent diversion	Temporary diversion	Total (10+11 +12)	Govern-ment	Public Organ.	Private Society	Total (14+15 +16)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Barpeta	25	1	1	..	..	1	4	..	10	14	24	6	22	..	28
2.	Cachar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Dibrugarh	1	..	..	..	..	..	..	..	1	..	1	1	..	..	1
4.	Dhubri	9	4	6	10	2	9	2	..	12	26	38	1	21	18	40
5.	Golpara	54	10	..	..	..	1	..	..	8	57	65	8	54	3	65
6.	Golaghat	2	..	..	..	..	1	..	1	2	..	3	3	..	..	3
7.	Kamrup	6	3	2	4	1	..	2	..	9	5	14	7	2	7	16
8.	Karbi Anglong	659	312	226	176	341	184	..	26	28	1,844	1,898	14	34	1,850	1,898
9.	Karimganj	1	..	..	..	..	..	..	..	1	..	1	1	..	..	1
10.	Kokrajhar	20	..	2	..	1	1	1	..	23	..	23	24	..	..	24
11.	Lakhimpur	5	1	..	..	..	1	..	5	1	1	7	1	..	6	7
12.	N.C. Hills	631	27	44	31	57	12	..	..	..	802	802	14	788	..	802
13.	Nagaon	6	1	..	..	..	..	..	..	7	..	7	7	..	..	7
14.	Nalbari	14	..	..	2	..	..	..	..	6	10	16	6	10	..	16
15.	Sibsagar	4	..	..	..	..	..	..	..	4	..	4	4	..	..	4
16.	Sonitpur	21	..	..	..	..	..	..	1	20	..	21	21	..	..	21
	STATE TOTAL	1,458	359	281	223	402	210	9	33	132	2,759	2,924	118	931	1,884	2,933

MINOR IRRIGATION CENSUS IN ASSAM FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF ASSAM (SURFACE FLOW IRRI. SCHEMES)

STATE : ASSAM

Sl. No.	Name of District	No. of Schemes with Dist. System	Culturable Command Area (In HA.)	Gross Irri. Pot. Created (In HA.)	Seasonwise Area Irrigated by Irri. Schemes (In HA)					Seasonwise area Irrigated by other Sources (In HA)				
					Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	18	19	20	21	22	23	24	25	26	27	28	29	30
1.	Barpeta	..	6,444	9,129	4,475	1,314	30	773	6,592	..	..	..	..	..
2.	Cachar	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Dibrugarh	..	550	550	450	..	..	..	450	..	..	..	..	..
4.	Dhubri	..	1,403	1,577	1,001	19	..	..	1,020	..	..	..	..	..
5.	Golpara	..	4,618	6,646	5,438	341	62	161	6,002	..	..	..	..	..
6.	Golaghat	..	638	745	549	189	7	..	745	..	..	..	..	..
7.	Kamrup	..	5,379	5,912	4,688	420	163	..	5,271	..	..	..	..	..
8.	Karbi Anglong	..	13,618	14,073	11,658	1,345	77	133	13,213	..	..	..	..	..
9.	Karimganj	..	222	376	120	60	..	..	180	..	..	..	..	..
10.	Kokrajhar	..	20,471	21,728	8,059	1	..	..	8,560	..	..	..	..	..
11.	Lakhimpur	..	609	1,090	182	38	..	..	220	..	..	..	..	..
12.	N.C. Hills	..	4,539	4,539	4,464	1	..	..	4,465	..	..	..	..	..
13.	Nagaon	..	2,400	2,717	1,064	522	45	8	1,639	..	..	..	..	..
14.	Nalbari	..	9,342	10,337	7,122	1,341	30	183	8,676	..	..	..	..	..
15.	Sibsagar	..	540	694	200	100	..	..	300	..	..	..	..	..
16.	Sonitpur	..	17,084	17,537	17,055	452	10	5	17,522	..	..	..	..	..
	STATE TOTAL	..	87,862	97,650	66,535	6,633	424	1,263	74,855	..	..	..	..	..

MINOR IRRIGATION CENSUS IN BIHAR FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF BIHAR (SURFACE FLOW IRRI. SCHEMES)

STATE : BIHAR

Sl. No.	Name of District	Yearwise No. of Surface Flow Irri. Schemes commissioned during						No. of Schemes not in use	Categorywise No. of Irrigation Schemes in use				Number of Irrigation Schemes owned by			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Storage	Permanent Diversion	Temporary Diversion	Total (10+11 +12)	Govern-ment	Public Organs.	Private	Total (14 15 +16)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Araria	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
2.	Aurangabad	2,536	37	5	..	1	2	18	2,487	57	37	2,581	2,324	256	1	2,581
3.	Begusarai	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4.	Bhagalpur	1,091	80	6	5	..	..	46	773	149	260	1,182	947	88	147	1,182
5.	Bhojpur	494	..	..	..	..	4	12	359	66	74	499	411	82	5	498
6.	Dharbanga	148	5	8	..	..	2	11	125	23	15	163	112	11	40	163
7.	Deoghar	4,737	29	11	4	4	2	10	4,212	102	473	4,787	1,818	242	2,730	4,790
8.	Dhanbad	2,093	50	9	9	10	17	9	2,046	114	28	2,188	636	13	1,539	2,188
9.	Dumka	2,641	233	31	16	22	57	36	2,403	115	482	3,000	917	290	1,793	3,000
10.	East Champaran	33	7	3	3	..	..	6	35	12	..	46	31	15	..	46
11.	East Singhbhum	569	18	11	17	13	54	70	542	96	44	682	298	7	377	682
12.	Gaya	4,197	42	18	5	33	26	58	2,685	348	1,288	4,321	3,644	497	180	4,321
13.	Giridih	1,183	65	43	39	29	35	136	919	365	110	1,394	835	119	440	1,394
14.	Godda	1,950	59	9	12	6	14	79	1,615	76	359	2,050	1,276	73	701	2,050
15.	Gopal Ganj	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16.	Gumla	33	4	3	2	..	6	3	17	7	24	48	32	2	14	48
17.	Hazaribagh	1,809	56	21	21	10	11	31	1,312	170	456	1,938	1,363	313	262	1,938
18.	Jahanabad	362	19	3	3	5	..	8	278	21	93	392	266	121	5	392
19.	Katihar	4	..	..	..	..	..	..	..	4	..	4	4	..	..	4
20.	Khaguria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
21.	Kishanganj	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
22.	Lohardaga	..	1	..	..	1	..	0	2	..	..	2	2	..	..	2
23.	Madhepura	..	..	..	..	..	..	4	..	..	..	..	..	..	..	..
24.	Madhubani	276	..	2	..	..	..	26	174	43	61	278	219	43	16	278
25.	Munger	1,393	64	2	5	30	19	15	1,346	35	132	1,513	1,064	278	171	1,513
26.	Muzaffarpur	32	0	..	1	6	20	11	45	10	4	59	12	6	41	59
27.	Nalanda	361	..	..	..	..	..	14	211	2	148	361	194	160	7	361
28.	Nawadah	1,099	83	2	..	3	3	21	954	75	161	1,190	555	599	36	1,199
29.	Palamau	5,392	204	58	63	64	145	196	4,383	810	733	5,926	3,961	1,043	922	5,962

MINOR IRRIGATION CENSUS IN BIHAR FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF BIHAR (SURFACE FLOW IRRI. SCHEMES—*Contd.*)

STATE : BIHAR

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
30.	Patna	220	6	..	..	..	..	..	121	29	76	226	187	32	7	226
31.	Purnea	3	..	35	..	..	..	54	..	6	32	38	29	9	..	38
32.	Ranchi	48	1	..	1	..	..	..	27	20	3	50	27	1	22	50
33.	Rohtas	798	12	9	6	5	28	69	575	282	101	858	761	39	58	858
34.	Saharsa	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
35.	Sahebganj	1,764	74	42	10	32	31	290	1,766	66	121	1,953	1,186	40	727	1,953
36.	Samastipur	42	..	..	..	..	1	1	20	23	..	43	34	2	7	43
37.	Saran	38	..	..	..	..	..	15	5	9	24	38	30	..	9	38
38.	Sitamarhi	94	..	..	..	..	..	..	92	...	2	94	46	1	47	94
39.	Siwan	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
40.	Vaishali	1	..	..	..	..	..	5	..	..	8	8	6	..	2	8
41.	West Champaran	91	..	..	8	13	4	1	39	57	20	116	61	55	..	116
42.	West Singhbhum	773	42	39	47	43	38	209	884	32	66	982	384	16	582	98
	STATE TOTAL	**36,305**	**1,191**	**370**	**287**	**330**	**519**	**1,471**	**30,351**	**3,224**	**5,435**	**39,010**	**23,672**	**4,453**	**10,887**	**39,012**

MINOR IRRIGATION CENSUS IN BIHAR FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF BIHAR (SURFACE FLOW IRRI. SCHEMES)

STATE : BIHAR

Sl. No.	Name of District	No. of Scheme with Dist. System	Culturable Command Area (in HA.)	Gross Irri. pot. Created (in HA.)	Seasonwise area Irrigated by Irri. Scheme (in ha) (in HA.)					Seasonwise area Irrigated by other Source (in HA)				
					Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	18	19	20	21	22	23	24	25	26	27	28	29	30
1.	Araria	..	..	..	..	..	..	..	..	..	..	..	..	..
2.	Aurangabad	1,334	46,014	44,533	43,711	4,901	752	593	49,957	6,656	1,824	17	48	8,545
3.	Begusarai	..	..	..	..	..	..	..	..	..	..	..	..	..
4.	Bhagalpur	719	18,053	18,147	72,684	3,024	126	528	76,362	3,318	1,111	438	56	4,923
5.	Bhojpur	498	20,844	29,126	13,361	7,452	199	226	21,238	4,106	2,610	98	88	6,902
6.	Dharbanga	163	1,110	1,639	703	929	118	60	1,810	156	190	19	..	365
7.	Deoghar	..	29,556	30,357	20,911	6,245	200	447	27,803	1,767	460	34	41	2,302
8.	Dhanbad	2,188	27,210	27,218	24,604	1,507	322	62	26,495	938	97	6	7	1,048
9.	Dumka	1,705	19,174	18,182	12,144	3,592	271	103	16,110	2,392	819	187	90	3,488
10.	East Champaran	..	1,270	1,270	653	566	11	57	1,287	307	251	1	20	579
11.	East Singhbhum	213	5,398	4,962	3,640	543	116	209	4,508	350	49	42	15	456
12.	Gaya	2,242	91,658	1,01,905	76,938	10,546	374	236	88,094	4,870	1,855	45	94	6,864
13.	Giridih	1,394	11,186	10,182	7,827	1,420	135	179	9,561	1,001	221	27	30	1,279
14.	Godda	1,325	27,735	26,881	16,466	6,821	376	182	23,845	2,754	1,283	120	49	4,206
15.	Gopalganj	..	..	..	..	..	..	..	..	..	..	..	..	..
16.	Gumla	35	1,791	1,83	1,031	583	85	2	1,701	143	16	2	2	163
17.	Hazaribagh	1,938	23,150	21,28	16,381	2,890	2,941	249	22,461	1,167	408	46	65	1,686
18.	Jahanabad	213	19,785	18,317	14,418	1,139	598	313	16,468	2,906	605	418	207	4,136
19.	Katihar	4	20	8	..	8	..	..	8	..	..	..	..	..
20.	Khaguria	..	..	..	..	..	..	..	..	..	..	..	..	..
21.	Kishanganj	..	..	..	..	..	..	..	..	..	..	..	..	..
22.	Lohardaga	..	160	210	100	30	..	..	130	..	..	..	..	..
23.	Madhepura	..	..	..	..	..	..	..	..	..	..	..	..	..
24.	Madhubani	132	2,843	2,984	1,202	1,140	35	234	2,611	33	68	12	12	125
25.	Munger	1145	39,851	39,544	36,498	8,043	172	706	45,419	8,203	1,503	70	83	9,859
26.	Muzaffarpur	27	144	191	11	71	45	62	189	..	..	..	..	..
27.	Nalanda	331	19,114	19,886	18,770	3,637	28	39	22,474	110	42	13	7	172
28.	Nawadah	1,190	40,365	36,825	31,550	2,783	399	246	34,978	1,369	371	..	..	1,740
29.	Palamau	5,926	63,526	58,300	51,815	3,709	539	530	56,593	897	510	44	57	1,508

MINOR IRRIGATION CENSUS IN BIHAR FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF BIHAR (SURFACE FLOW IRRI. SCHEMES)—*Contd.*

STATE : BIHAR

1	2	18	19	20	21	22	23	24	25	26	27	28	29	30
30.	Patna	108	7,780	7,686	6,020	606	993	49	7,668	1,301	321	17	3	1,642
31.	Purnea	38	382	382	116	140	7	2	265	..	..	..	..	..
32.	Ranchi	50	1,572	1,512	870	267	..	5	1,142	..	..	..	..	..
33.	Rohtas	461	16,525	17,627	12,477	3,463	215	161	16,316	2,059	1,179	19	45	3,302
34.	Saharsa	..	..	..	..	..	..	..	..	..	..	..	..	..
35.	Sahebganj	927	9,464	8,006	5,321	2,306	179	87	7,893	1,074	456	44	79	1,653
36.	Samastipur	35	869	930	117	538	25	15	695	17	121	15	..	153
37.	Saran	30	967	1,527	378	382	7	8	775	14	21	2	7	44
38.	Sitamarhi	4	1,116	1,116	174	293	22	49	538	..	..	..	..	..
39.	Siwan	..	..	..	..	..	..	..	..	..	..	..	..	..
40.	Vaishali	8	169	134	89	41	..	2	132	..	..	..	..	..
41.	West Champaran	..	10,222	9,292	7,429	2,050	481	518	10,478	20	11	6	..	37
42.	West Singhbhum	378	13,709	11,604	9,287	1,647	222	109	11,265	675	124	2	6	807
	STATE TOTAL	24,761	5,72,232	5,73,602	5,07,696	83,312	9,993	6,268	6,07,269	48,603	16,526	1,744	1,111	67,984

MINOR IRRIGATION CENSUS IN GOA FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF GOA (SURFACE FLOW IRRI. SCHEMES)

STATE : GOA

Sl No.	Name of District	Yearwise No. of Surface Flow Irri. schemes Commissioned During						No. of Schemes not in use	Categorywise No. of Irrigation Schemes in use				Number of Irrigation Schemes Owned by			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Storage	Permanent Diversion	Temporary Diversion	Total (10+11 +12)	Govern-ment	Public Organs.	Private Society	Total (14+15 +16)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	North Goa . .	1,385	36	15	12	9	30	13	922	204	348	1,474	105	429	953	1,487
2.	South Goa . .	1,580	24	..	7	8	9	36	381	327	884	1,592	11	143	1,474	1,628
	STATE TOTAL .	**2,965**	**60**	**15**	**19**	**17**	**39**	**49**	**1,303**	**531**	**1,232**	**3,066**	**116**	**572**	**2,427**	**3,115**

Sl. No.	Name of District	No. of Schemes with Dist. System	Culturable Command Area (in HA.)	Gross Irri. pot. Created (in HA.)	Seasonwise Area Irrigated by Irri. Schemes (in HA.)					Seasonwise area Irrigated by other Sources (in HA.)				
					Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	18	19	20	21	22	23	24	25	26	27	28	29	30
1.	North Goa . .	412	5,620	6,384	5	3,284	1,366	73	4,728	..	59	6	..	65
2.	South Goa . .	641	3,830	4,148	..	2,523	280	43	2,846	..	..	..	..	..
	STATE TOTAL .	**1,053**	**9.450**	**10,532**	**5**	**5,807**	**1,646**	**116**	**7,574**	..	**59**	**6**	..	**65**

MINOR IRRIGATION CENSUS IN GUJARAT FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF GUJARAT (SURFACE FLOW IRRI. SCHEMES)

STATE : GUJARAT

Sl. No.	Name of District	Yearwise No. of Surface Flow Irri. Schemes Commissioned During						No. of Schemes not in use	Categorywise No. of Irrigation Schemes in use				Number of Irrigation Schemes Owned by			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Storage	Permanent Diversion	Temporary Diversion	Total (10+11 +12)	Govern ment	Public-Organs.	Private Society	Total (14+15 +16)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Ahmedabad	15	1	..	1	..	4	5	16	..	..	16	16	5	..	21
2.	Amreli	20	1	..	..	1	..	20	2	..	..	2	22	..	..	22
3.	Banaskantha	29	..	..	..	..	..	19	10	..	..	10	29	..	..	29
4.	Bharuch	14	1	..	1	..	..	..	9	6	1	16	16	..	..	16
5.	Bhavnagar	30	1	..	1	1	1	31	3	..	..	3	34	..	..	34
6.	Dang	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7.	Gandhinagar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8.	Jamnagar	18	..	..	..		17	35	..	..	..	..	35	..	..	35
9.	Junagarh	7	..	2	..	..	..	7	2	..	..	2	9	..	..	9
10.	Kachchh	139	1	2	6	4	5	145	13	..	..	13	148	..	..	158
11.	Kheda	9	..	1	..	..	2	5	7	..	..	7	12	..	..	12
12.	Mehsana	19	..	..	..	..	..	18	1	..	..	1	19	..	..	19
13.	Panchmahal	181	7	7	1	4	3	153	50	..	203	253	203	..	..	203
14.	Rajkot	59	..	..	..	..	..	44	15	..	..	15	59	..	..	59
15.	Sabarkanta	59	1	..	3	4	3	70	..	..	..	..	70	..	..	70
16.	Surat	12	..	..	..	..	1	3	10	..	..	10	13	..		13
17.	Surendranagar	32	1	4	1	..	..	28	10	..	..	10	36	..	2	38
18.	Vadodara	26	..	6	..	..	..	23	9	..	..	9	32	..	..	32
19.	Valsad	30	..	1	1	..	3	28	3	1	3	7	5	1	29	35
	STATE TOTAL *	699	15	23	15	14	39	634	160	7	207	374	768	6	31	805

MINOR IRRIGATION CENSUS IN GUJARAT FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF GUJARAT (SURFACE FLOW IRRI. SCHEMES)

STATE : GUJARAT

No.	Name of District	No. of Schemes with Dist. System	Culturable Command Area (in HA.)	Gross Irri. pot. Created (in HA)	Seasonwise area Irrigated by Irri. Scheme (in HA.)					Seasonwise area Irrigated by other Sources (in HA.)				
					Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	18	19	20	21	22	23	24	25	26	27	28	29	30
1.	Ahmedabad	21	1,190	1,326	554	..	..	..	554	..	..	..	..	..
2.	Amreli	22	7,765	7,765	21	..	..	..	21	..	..	..	..	..
3.	Banaskantha	29	6,400	6,475	494	..	..	..	494	..	..	..	..	..
4.	Bharuch	16	4,614	5,428	817	394	..	24	1,235	..	..	..	..	..
5.	Bhavnagar	34	13,023	18,787	42	155	..	..	197	..	..	..	..	..
6.	Dang	..	..	..	..	..	..	..	..	..	..	..	..	..
7.	Gandhinagar	...	..	..	..	..	..	..	..	..	..	..	..	..
8.	Jamnagar	35	16,637	16,637	..	..	..	..	..	..	..	..	..	..
9.	Junagarh	9	5,938	3,131	..	109	..	..	109	..	..	..	..	..
10.	Kachchh	158	60,805	35,493	298	18	..	18	334	..	..	..	..	..
11.	Kheda	12	5,235	6,049	1,318	..	..	..	1,318	..	..	..	..	..
12.	Mehsana	19	4,197	4,197	14	..	..	..	14	..	..	..	..	..
13.	Panchmahal	203	24,113	23,963	1,623	2,073	..	..	3,696	..	..	..	..	..
14.	Rajkot	59	23,002	19,207	1,700	..	..	..	1,700	..	..	..	..	..
15.	Sabarkanta	56	8,239	10,203	..	..	..	..	..	..	..	..	..	..
16.	Surat	16	4,328	4,343	662	272	161	5	1,100	..	..	..	..	..
17.	Surendranagar	20	7,652	8,336	558	419	..	..	977	105	117	..	5	227
18.	Vadodara	15	8,017	8,844	45	126	..	45	216	..	..	..	..	..
19.	Valsad	4	1,375	3,334	1	1	67	41	110	..	..	2	..	2
	STATE TOTAL	728	2,02,530	1,83,518	8,147	3,567	228	133	12,075	105	117	2	5	229

MINOR IRRIGATION CENSUS IN HARYANA FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF HARYANA (SURFACE FLOW IRRI. SCHEMES)

STATE : HARYANA

Sl. No.	Name of District	Yearwise No. of Surface Flow Irrr. Schemes Commissioned During						No. of Schemes not in use	Categorywise No. of Irrigation Schemes in use				Number of Irrigation Schemes Owned by			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Storage	Permanent Divierssion	Temporary Diversion (10+11)	Total (10+11 +12)	Govern-ment	Public Organs.	Private Society	Total (14+15 +16)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Ambala . . .	80	..	..	..	7	..	..	7	80	..	87	7	..	80	87
2.	Bniwani . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Faridabad. . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4.	Gurgaon . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5.	Hisaar . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6.	Jind . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7.	Karnal . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8.	Kurukshetra . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9.	M/Garh . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10.	Rohtak . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11.	Sirsa . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
12.	Sonipat . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	STATE TOTAL .	80	..	..	..	7	..	..	7	80	..	87	7	..	80	87

MINOR IRRIGATION CENSUS IN HARYANA FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF HARYANA (SURFACE FLOW IRRI. SCHEMES)

STATE : HARYANA

Sl No.	Name of District	No. of Schemes with Dist. System	Culturable Command Area (in HA.)	Gross Irri. Pot. Created (in HA.)	Seasonwise area Irrigated by Irri. Schemes (in HA)					Seasonwise area Irrigated by other Sources (in HA)				
					Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	18	19	20	21	22	23	24	25	26	27	28	29	30
1.	Ambala	87	3,069	3,283	1,250	1,821	31	18	3,120	..	..	..	..	..
2.	Bhiwani	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Faridabad	..	..	..	..	..	..	..	..	..	..	..	..	..
4.	Gurgaon	..	..	..	..	..	..	..	..	..	..	..	..	..
5.	Hisar	..	..	..	..	..	..	..	..	..	..	..	..	..
6.	Jind	..	..	..	..	..	..	..	..	..	..	..	..	..
7.	Karnal	..	..	..	..	..	..	..	..	..	..	..	..	..
8.	Kurukshetra	..	..	..	..	..	..	..	..	..	..	..	..	..
9.	M/Garh	..	..	..	..	..	..	..	..	..	..	..	..	..
10.	Rohtak	..	..	..	..	..	..	..	..	..	..	..	..	..
11.	Sirsa	..	..	..	..	..	..	..	..	..	..	..	..	..
12.	Sonipat	..	..	..	..	..	..	..	..	..	..	..	..	..
	STATE TOTAL	87	3,069	3,283	1,250	1,821	31	18	3,120	..	..	..	..	..

MINOR IRRIGATION CENSUS IN HIMACHAL PRADESH FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF HIMACHAL PRADESH (SURFACE FLOW IRRI. SCHEMES)

STATE : HIMACHAL PRADESH

Sl. No.	Name of District	Yearwise No. of Surface Flow Irri. Schemes Commissioned During						No. of Schemes not in Use	Categorywise No. of Irrigation Schemes in use				Number of Irrigation Schemes Owned by			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Storage	Permanent Diversiont	Temporary Diversion	Total (10+11+12)	Govern-ment	Public Organs.	Private Society	Total (14+15+16)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Bilaspur . .	922	2	..	2	6	5	45	135	99	658	892	78	3	856	937
2.	Chamba . .	1,995	5	1	4	2	9	34	1	719	272	992	237	43	746	1,026
3.	Hamirpur . .	360	..	..	..	1	..	4	10	68	279	357	43	8	310	361
4.	Kangra . .	3,219	1	..	1	..	..	..	..	3,220	1	3,221	924	268	2,029	3,221
5.	Kinnaur . .	669	..	1	..	..	..	4	..	569	97	666	322	..	348	670
6.	Kullu . . .	278	..	..	..	2	..	5	2	268	5	275	37	192	51	280
7.	Lahul Spiti . .	552	..	..	..	..	..	..	1	207	344	552	119	85	348	552
8.	Mandi . . .	4,034	2	1	4	1	4	56	47	2,406	1,537	3,990	2,365	22	1,659	4,046
9.	Shimla . . .	1,275	5	..	..	..	3	125	12	538	608	1,158	919	1	363	1,283
10.	Sirmaur . .	2,252	11	9	8	5	5	82	85	1,294	829	2,208	579	39	1,672	2,290
11.	Solan . . .	2,020	34	19	26	16	25	91	511	1,010	528	2,049	780	23	1,337	2,140
12.	Una . . .	88	..	1	..	..	..	2	36	34	17	87	17	..	72	89
	STATE TOTAL *	16,674	60	32	45	33	51	448	840	10,432	5,175	16,447	6,420	684	9,791	16,895

MINOR IRRIGATION CENSUS IN HIMACHAL PRADESH FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF HIMACHAL PRADESH (SURFACE FLOW IRRI. SCHEMES)

STATE : HIMACHAL PRADESH

Sl. No.	Name of District	No. of schemes with Dist. System	Culturable command area (in HA)	Gross Irrj. Pot. created (in HA)	Seasonwise area Irrigated by Irri. Schemes (in HA)					Seasonwise area Irrigated by other sources (in HA)				
					Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	18	19	20	21	22	23	24	25	26	27	28	29	30
1.	Bilaspur . . .	914	2,819	4,629	1,522	1,329	103	80	3,034	..	..	..	..	..
2.	Chmba . . .	91	6,489	9,884	3,999	2,813	11	3	6,826	..	..	..	..	..
3.	Hamirpur . .	361	1,420	2,764	1,324	1,284	6	..	2,614	..	..	..	..	..
4.	Kangra . . .	3,221	33,890	64,599	31,370	31,270	1,856	1	64,497	..	..	..	..	..
5.	Kinnaur . . .	666	6,796	9,660	3,188	2,504	885	..	6,577	..	..	..	..	..
6.	Kullu . . .	280	2,360	2,943	1,709	351	419	..	2,479	..	..	..	..	..
7.	Lahul Spiti . .	552	4,543	4,649	1,511	2,120	132	..	3,763	..	..	..	..	..
8.	Mandi . . .	2,821	13,934	24,384	12,923	9,839	37	..	22,799	..	..	..	..	..
9.	Shimla . . .	1,283	4,891	7,786	3,449	2,439	120	1	6,009	..	..	..	..	..
10.	Sirmaur . . .	2,290	10,732	17,091	7,802	6,808	330	17	14,957	6	7	..	..	13
11.	Solan . . .	2,140	9,191	14,275	5,320	5,038	232	301	10,891	..	..	..	..	..
12.	Una . . .	89	1,490	2,468	340	268	46	29	683	52	27	1	..	80
	STATE TOTAL .	14,708	98,555	1,65,131	74,457	66,063	4,177	432	1,45,129	58	34	1	..	93

MINOR IRRIGATION CENSUS IN JAMMU & KASHMIR FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF JAMMU & KASHMIR (SURFACE FLOW IRRI. SCHEMES)

STATE : JAMMU & KASHMIR

Sl. No.	Name of District	Yearwise No. of surface Flow Irri. Schemes Commissioned During						No. of Schemes not in use	Categorywise No. of Irrigation Schemes in use				Number of Irrigation Schemes Owned by			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Storage	Permanent Diversion	Temporary Diversion	Total (10+11+12)	Govern-ment	Public Organs	Private Scoiety	Total (14+15+16)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Anantnag	791	72	8	13	7	..	..	11	776	104	891	323	628	31	982
2.	Badgam	252	52	..	..	3	..	..	5	302	..	307	183	77	47	307
3.	Baramula	511	3	53	..	3	45	2	32	581	..	613	111	23	481	615
4.	Doda	843	36	24	33	11	16	9	..	909	45	954	306	518	139	963
5.	Jammu	..	16	..	..	..	..	..	..	16	..	16	16	..	..	16
6.	Kargil	469	..	..	..	..	..	..	..	469	..	469	..	468	1	469
7.	Kathua	438	5	3	4	2	2	..	2	265	187	454	77	350	27	454
8.	Kupwara	15	5	1	1	1	10	1	16	15	1	32	30	3	..	33
9.	Leh	671	..	..	..	..	..	..	..	671	..	671	1	670	..	671
10.	Poonch	193	13	29	27	7	1	..	..	226	..	226	212	..	58	270
11.	Pulwama	432	..	1	2	..	1	..	..	436	..	436	174	262	..	436
12.	Rajouri	715	6	1	..	..	..	..	1	550	171	722	167	183	372	722
13.	Srinagar	928	..	..	..	..	..	21	6	901	..	907	928	..	..	928
14.	Udhampur	984	25	17	4	3	15	4	..	1,044	..	1,044	314	679	55	1,048
	STATE TOTAL	**7,242**	**233**	**137**	**84**	**37**	**90**	**37**	**73**	**7,161**	**508**	**7,742**	**2,842**	**3,861**	**1,211**	**7,914**

MINOR IRRIGATION CENSUS IN JAMMU & KASHMIR FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF JAMMU & KASHMIR (SURFACE FLOW IRRI. SCHEMES)

STATE : JAMMU & KASHMIR

Sl. No.	Name of District	No. of Schemes with Dist. System	Culturable Command Area (in HA)	Gross Irri. pot. Created (in HA.)	Seasonwise Area Irrigated by Irri. Schemes (in HA)					Seasonwise Area Irrigated by other Schemes (in HA)				
					Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29
1	2	18	19	20	21	22	23	24	25	26	27	28	29	30
1.	Anantnag	525	60,069	77,928	70,873	22,999	748	282	94,902	10,362	543	..	28	10,933
2.	Badgam	307	14,579	14,579	12,757	1,822	..	..	14,579	..	..	..	..	..
3.	Baramulla	569	1,00,797	1,00,797	91,840	8,938	..	..	1,00,778	..	..	..	..	..
4.	Doda	963	8,467	8,467	7,695	906	72	..	8,673	543	..	..	..	543
5.	Jammu	16	96	171	58	47	5	..	110	..	..	..	..	..
6.	Kargil	89	7,165	..	1,231	6 682	..	..	7,913	..	..	..	..	..
7.	Kathua	454	5,347	7,399	4,477	2,626	..	..	7,103	359	359	..	..	718
8.	Kupwara	4		780	1,492	79	60	2	1,633	2,285	1,463	9	..	3,757
9.	Leh	..	9,756	11,308	319	9,756	..	..	10,075	..	..	..	..	..
10.	Poonch	..	..	724	499	225	..	..	724	..	..	..	..	..
11.	Pulwama	436	26,282	39,336	29,059	1,029	20	..	30,108	878	170	16	..	1,064
12.	Rajouri	425	4,454	4,544	3,138	21	2604	..	5,763	62	2	..	..	64
13.	Srinagar	928	15,376	17,181	14,524	2,657	..	..	17,181	..	..	..	..	..
14.	Udhampur	1,029	8,144	8,144	6,327	1,393	..	..	7,720	240	99	..	1	340
	STATE TOTAL	5,745	2,60,622	2,91,358	2,44,289	29,180	3,509	284	3,07,262	14,729	2,636	25	29	17,419

MINOR IRRIGATION CENSUS IN KARNATAKA FOR 1986-87

SCHEDULE B-4—DISTRICT LEVEL ABSTRACT OF KARNATAKA (SURFACE FLOW IRRI. SCHEMES)

STATE : KARNATAKA

Sl. No.	Name of District	Yearwise No. of surface Flow Irri. schemes commissioned during						No. of schemes not in use	Categorywise No. of irrigation schemes in use				Number of irrigation schemes owned by			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Storage	Permanent diversion	Temporary diversion	Total (10+11+12)	Govern-ment	Public organs	Private society	Total (14+15+16)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Banglore(R)	1,464	5	2	7	15	6	227	1,034	98	140	1,272	1,479	15	5	1,499
2.	Banglore (U)	606	..	..	..	..	2	109	481	12	6	499	608	..	..	608
3.	Belgaum	1,040	2		1	4	3	448	506	83	13	602	1,044	1	5	1,050
4.	Bellary	241	9	7	15	3	6	82	95	91	13	199	239	23	19	281
5.	Bidar	123	2	..	..	3	1	95	20	14	..	34	129	..	..	129
6.	Bijapur	207	5	7	11	6	67	23	143	43	94	280	157	135	11	303
7.	Chichmagalur	2,702	19	42	16	19	33	1,094	1,350	344	43	1737	2,817	3	11	2,831
8.	Chitradurga	493	1	..	..	..	1	118	346	16	15	377	495	..	..	495
9.	D. Kannada	1,589	162	40	13	7	291	149	451	264	1,238	1,953	907	512	683	2,102
10.	Dharwar	3,570	76	13	44	60	26	1,950	1,256	167	416	1,839	3,459	208	122	3,789
11.	Gulbarga	748	4	7	17	15	54	601	137	28	79	244	762	61	22	845
12.	Hassan	5,266	42	..	..	1	11	952	3,459	331	578	4,368	5,311	8	1	5,320
13.	Kodagu	1,140	31	193	72	30	5	595	599	218	59	876	1,321	35	116	1,471
14.	Kolar	4,086	120	56	5	3	3	1,061	2,079	794	339	3,212	4,270	2	1	4,273
15.	Mandya	900	3	4	..	..	..	213	628	45	21	694	907	..	..	907
16.	Mysore	1,139	36	1	..	..	2	681	229	225	43	497	1,174	3	1	1,178
17.	Raichur	605	2	2	4	1	6	244	284	51	41	376	617	2	1	620
18.	Shimoga	6,213	54	44	33	52	15	1,214	4,817	216	164	5,197	6,309	2	100	6,411
19.	Tumkur	2,026	12	11	8	8	26	544	1,067	413	67	1,547	2,088	..	3	2,091
20.	U. Kannada	3,725	83	1	..	..	..	2,112	1,171	311	215	1,697	3,809	..	..	3,809
	STATE TOTAL	37,883	668	430	246	227	558	12,512	20,152	3,764	3,584	27,500	37,902	1,009	1,101	40,012

MINOR IRRIGATION CENSUS IN KARNATAKA FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF KARNATAKA (SURFACE FLOW IRRI. SCHEMES)

STATE : KARNATAKA

Sl. No.	Name of District	No. of Schemes with Dist. System	Culturable Command Area (in HA.)	Gross Irri. pot. Created (in HA.)	Seasonwise Area Irrigated by Irri. Schemes (in HA.)					Seasonwise Area Irrigated by other Sources (in HA.)				
					Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	perennial	Others	Total (26 to 29)
1	2	18	19	20	21	22	23	24	25	26	27	28	29	30
1.	Bangalore (R)	143	33,892	35,497	23,228	2,151	1,426	1,471	28,276	583	71	473	53	1,180
2.	Bangalore (U)	227	12,827	13,004	7,501	1,414	330	307	9,552	189	..	..	..	189
3.	Belgaum	553	62,407	62,916	8,876	4,873	4,743	536	19,028	232	6	127	..	365
4.	Bellary	208	11,172	14,000	3,149	1,387	54	1,792	6,382	330	67	..	246	643
5.	Bidar	56	16,395	16,395	717	727	4	..	1,448	..	..	..	..	..
6.	Bijapur	183	33,750	33,961	5,854	5,143	123	431	11,551	2	..	..	..	2
7.	Chichmagalur	274	40,667	41,638	21,478	1,141	5,474	509	28,602	175	523	202	73	973
8.	Chitradurga	470	33,892	37,958	6,801	4,419	815	2,748	14,783	33	..	..	..	33
9.	D. Kannada	272	13,061	13,080	128	5,675	1,345	210	7,358	1	217	177	34	429
10.	Dharwar	1,992	81,466	82,139	8,764	2,540	53	1,355	12,712	219	3	4	..	226
11.	Gulbarga	479	21,332	22,294	3,030	615	62	20	3,727	135	51	..	..	186
12.	Hassan	748	51,927	52,166	10,642	911	1,699	360	13,612	268	36	103	20	427
13.	Kodagu	572	21,295	21,336	7,838	184	4	82	8,108	268	36	103	20	427
14.	Kolar	343	68,494	73,843	34,932	4,044	710	872	40,558	1,036	210	104	94	1,444
15.	Mandya	375	20,210	22,839	9,365	1,740	271	428	11,804	..	..	..	..	..
16.	Mysore	441	42,556	43,432	18,594	2,325	795	511	22,225	125	72	67	..	264
17.	Raichur	549	17,017	17,564	3,472	484	..	177	4,133	55	2	..	32	89
18.	Shimoga	1,541	76,747	77,239	40,713	1,446	2,399	542	45,640	1,223	142	84	34	1,483
19.	Tumkur	644	76,319	77,620	24,488	9,057	5,107	4,449	43,101	2,637	979	639	53	4,308
20.	U. Kannada	16	28,526	28,526	4,467	1,467	781	336	7,051	18	..	5	..	23
	STATE TOTAL	10,086	7,63,952	7,87,447	2,44,037	51,743	26,735	17,136	3,39,651	7,529	2,415	2,088	659	12,691

MINOR IRRIGATION CENSUS IN KERALA FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF KERALA (SURFACE FLOW IRRI. SCHEMES)

STATE : KERALA

Sl. No.	Name of District	Yearwise No. of Surface Flow Irri. Schemes Commissioned During						No. of Schemes not in use	Catagorywise No. of Irrigation Schemes in use				Number of Irrigation Schemes Owned by			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Storage	Permanent Diversion	Temporary Diversion	Total (10+11 +12)	Govern-ment	Public Organs.	Private Society	Total (14+15 +16)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Alleppey	..	..	..	—	..	664	14	89	266	295	650	664	..	..	664
2.	Cannanore	..	..	..	..	..	338	241	69	12	16	97	323	15	..	338
3.	Ernakulam	..	..	..	..	..	747	35	387	110	215	712	412	334	1	747
4.	Idukki	..	..	..	..	..	186	11	148	26	1	175	161	4	21	186
5.	Kasaragod	..	..	..	..	..	230	79	..	119	32	51	230	..	..	230
6.	Kottayam	..	..	..	..	..	436	27	239	136	34	409	436	..	..	436
7.	Kozhikode	..	..	..	..	..	109	16	16	77	..	93	107	..	2	109
8.	Malappuram	..	..	..	..	..	638	106	275	118	139	532	433	103	102	638
9.	Palghat	..	..	..	..	..	2634	48	2,356	128	102	2,586	618	43	1,973	2,634
10.	Pathanamthitta	..	..	..	..	..	661	59	197	184	221	602	661	..	..	661
11.	Quilon	..	..	..	..	..	619	129	162	235	93	490	612	7	..	619
12.	Trichur	..	—	..	—	—	706	—	108	598	—	706	145	561	..	706
13.	Trivandrum	..	..	..	..	..	1,036	23	306	706	..	1,012	1,036	..	..	1,036
14.	Waynad	..	..	..	..	—	219	68	44	99	8	151	184	..	35	219
	STATE TOTAL	..	..	..	..	..	9,223	856	4,396	2,814	1,156	8,366	6,022	1,067	2,134	9,223

MINOR IRRIGATION CENSUS IN KERALA FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF KERALA (SURFACE FLOW IRRI. SCHEMES)

STATE : KERALA

Sl. No.	Name of District	No. of Schemes with Dist. System	Culturable Command Area (in H.A)	Gross Irri. pot. Created (in HA.)	Seasonwise area Irrigated by Irri. Schemes (in HA.)					Seasonwise area Irrigated by other Sources (in HA.)				
					Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	18	19	20	21	22	23	24	25	26	27	28	29	30
1.	Alleppey	664	20,429	28,006	15,449	7645	..	..	23,194	..	..	..	..	..
2.	Cannanore	338	4,828	9,882	501	1,185	52	..	1,738	..	..	..	..	..
3.	Ernakulam	446	8,235	13,298	4,486	2,546	867	104	8,003	..	..	..	..	..
4.	Idukki	73	2,471	3,727	2,281	1,039	..	283	3,603	75	..	..	..	75
5.	Kasaragod	7	4,111	4,927	889	1,646	166	328	3,029	139	176	26	67	408
6.	Kottayam	2	8,426	11,681	6,714	4,291	..	..	11,005	..	..	..	..	..
7.	Kozhikode	109	1,909	2,063	289	865	97	38	1,289	..	22	11	..	33
8.	Malappuram	89	10,283	12,084	3,463	4,413	1,121	451	9,448	80	70	..	..	150
9.	Palghat	86	7,001	10,757	3,911	3,413	424	2,063	9,811	189	92	..	1	382
10.	Pathanamthitta	506	11,572	13,263	6,961	2,533	..	201	9,695	..	..	..	..	..
11.	Quilon	188	9,261	13,026	5,676	5,415	..	30	11,121	..	..	..	..	..
12.	Trichur	9	15,628	27,867	7,302	12,444	1,150	376	21,272	..	..	..	..	..
13.	Trivandrum	1,036	16,489	21,072	10,637	9,994	585	985	22,201	8,296	8,492	..	845	17,633
14.	Waynad	219	3,933	5,083	1,807	801	..	441	3,049	..	..	..	..	..
	STATE TOTAL	**3,972**	**1,24,576**	**1,76,736**	**70,466**	**58,230**	**4,462**	**5,300**	**1,38,458**	**8,779**	**8,952**	**37**	**913**	**18,681**

MINOR IRRIGATION CENSUS IN MADHYA PRADESH FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF MADHYA PRADESH (SURFACE FLOW IRRI. SCHEMES)

STATE : MADHYA PRADESH

Sl. No.	Name of District	Yearwise No. of Surface Flow Irri. Schemes Commissioned During						No. of Schemes not in use	Categoriwise No. of Irrigation Schemes in use				Number of Irrigation Schemes Owned by			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Storage	Permanent Diversion	Temporary Diversion	Total (10+11+12)	Govern-ment	Public Organs.	Private Society	Total (14+15+16)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Baitul	128	..	..	..	10	2	..	49	..	91	140	140	..	..	140
2.	Balaghat	2,690	1	16	12	12	7	1,775	2,412	141	185	2,738	1,499	191	1,048	2,738
3.	Bastar	1,025	3	6	37	57	43	13	332	160	679	1,171	510	20	641	1,171
4.	Bhind.	94	..	..	..	..	..	31	68	15	20	103	89	..	5	94
5.	Bhopal	17	..	1	2	1	..	..	7	12	2	21	21	..	..	21
6.	Bilaspur	4,137	1	3	4	9	22	4,235	3,980	102	94	4,176	3,169	150	857	4,176
7.	Chattarpur	85	1	..	..	..	..	..	51	40	5	96	94	..	2	96
8.	Chindwara	36	1	..	1	1	1	..	28	12	..	40	40	..	..	40
9.	Damoh	938	3	..	2	..	..	29	97	848	1	946	264	..	682	946
10.	Datya	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11.	Devas	46	..	..	..	..	..	4	46	..	..	46	46	..	..	46
12.	Dhar	100	8	22	10	8	16	23	127	27	10	164	162	2	..	164
13.	Durg	737	9	12	21	15	20	19	615	159	40	814	731	6	77	814
14.	Guna	29	..	..	..	..	..	..	27	..	2	29	27	1	1	29
15.	Gwalior	79	..	..	..	..	1	..	22	5	53	80	31	..	49	80
16.	Hoshangabad	17	..	3	..	..	1	..	1	..	20	21	10	..	11	21
17.	Indore	164	..	..	..	2	..	..	146	12	8	166	166	..	..	166
18.	Jabalpur	164	1	..	..	1	..	..	127	36	3	166	82	..	84	166
19.	Jhabua	183	7	5	12	4	5	..	140	60	16	216	216	..	..	216
20.	Mandla	67	1	1	4	2	5	..	62	10	8	80	47	..	33	80
21.	Mandsor	54	3	..	..	1	..	..	57	1	..	58	58	..	..	58
22.	Murena	133	..	..	..	..	..	..	131	..	2	133	122	..	10	132
23.	Narsinghpur	13	..	..	..	..	..	..	13	..	..	13	13	..	..	13
24.	P. Nemad (Khandba)	11	..	1	..	1	2	..	10	4	1	15	15	..	..	15
25.	P. Nemad (Khargon)	184	10	112	31	42	10	8	149	139	101	389	269	40	80	389
26.	Panna	322	2	9	8	2	1	11	70	105	4	179	179	..	..	179
27.	Raigarh	1,806	14	13	33	20	140	666	1,210	86	730	2,026	1,103	3	920	2,026
28.	Raipur	3,610	27	9	10	5	159	117	3,392	207	221	3,820	3,494	15	311	3,820
29.	Raisen	29	1	1	..	1	2	..	33	1	..	34	33	..	1	34

30.	Rajgarh	37	1	..	..	..	..	..	38	..	..	38	38	..	..	38
31.	Rajnadgaon	182	53	18	34	31	44	8	323	5	34	362	328	5	29	362
32.	Ratlam	59	..	2	1	8	13	..	42	10	31	83	83	..	..	83
33.	Reva	14	..	4	..	6	..	6	14	..	10	24	14	7	3	24
34.	Sagar	302	11	2	..	9	22	1	301	22	23	346	311	28	7	346
35.	Sarguja	793	18	39	29	16	12	1	310	269	328	907	707	57	143	907
36.	Satna	83	2	5	27	7	203	3	91	211	25	327	104	..	223	327
37.	Seedhi	73	4	7	12	5	6	1	60	20	27	107	98	..	9	107
38.	Sehdol	91	13	9	17	22	6	1	133	9	16	158	158	..	..	158
39.	Sehor	94	..	1	1	..	1	..	89	..	8	97	97	..	..	97
40.	Shajapur	46	1	..	2	3	4	..	56	..	..	56	56	..	..	56
41.	Shivpuri	371	..	11	22	9	29	..	330	16	96	442	91	246	105	442
42.	Sivni	48	3	..	..	..	1	..	46	5	1	52	52	..	..	52
43.	Teekamgarh	143	..	..	..	..	..	..	..	143	..	143	143	..	..	143
44.	Ujjain	183	5	10	15	6	4	61	217	..	6	223	217	..	6	223
45.	Vedesha	158	4	5	7	6	40	..	48	4	168	220	15	22	183	220
	STATE TOTAL	**19,575**	**208**	**327**	**354**	**322**	**822**	**7,013**	**15,500**	**2,896**	**3,069**	**21,465**	**15,142**	**793**	**5,520**	**21,455**

MINOR IRRIGATION CENSUS IN MADHYA PRADESH FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF MADHYA PRADESH (SURFACE FLOW IRRI. SCHEMES)

STATE : MADHYA PRADESH

Sl. No.	Name of District	No. of Schemes with Dist. System	Culturable Command Area (in Ha.)	Gross Irri. pot. Created (inHa.)	Seasonwise Area Irrigated by Irri. Schemes (in Ha.)					Seasonwise Area Irrigated by Other sources (in Ha.)				
					Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	18	19	20	21	22	23	24	25	26	27	28	29	30
1.	Baitul	140	11,574	11,322	26	5,444	157	..	5,627	..	..	..	..	..
2.	Balaghat	2,738	35,901	35,901	30,555	373	..	2	30,930	..	..	..	..	..
3.	Bastar	720	28,682	18,377	14,130	731	1	6	14,868	105	15	..	..	120
4.	Bhind	23	426	682	85	75	..	..	160	40	2	..	..	42
5.	Bhopal	20	2,396	2,376	4	2,371	.	..	2,375	20	750	..	..	770
6.	Bilaspur	17	86,499	78,722	35,703	3,219	5	..	38,927	..	..	..	..	..
7.	Chattarpur	87	6,271	5,492	129	4,652	..	2	4,783	..	..	..	..	..
8.	Chindwara	40	16,230	16,230	101	2,568	..	..	2,669	..	..	..	..	..
9.	Damoh	2,293	6,856	5,962	1,415	4,454	..	..	5,869	..	1	..	..	1
10.	Datiya	..	..	..	..	..	..	..	..	..	..	..	..	..
11.	Devas	46	2,383	2,226	58	1,760	..	..	1,818	..	..	..	..	..
12.	Dhar	164	16,426	12,360	1,023	4,080	..	..	5,103	1	129	..	..	130
13.	Durg	571	34,705	34,086	34,004	226	..	..	34,230	12,764	4,352	219	146	17,481
14.	Guna	21	3,815	3,619	2	3,342	..	..	3,344	..	170	..	..	170
15.	Gwalior	73	2,146	3,133	686	1,005	..	..	1,691	..	..	..	..	..
16.	Hoshangabad	21	217	259	21	254	..	..	275	..	..	..	..	..
17.	Indore	166	3,195	2,618	83	2,383	9	..	2,475	..	16	..	..	16
18.	Jabalpur	166	8,246	8,478	4,853	3,387	3	..	8,243	..	..	..	..	..
19.	Jhabua	216	13,863	11,445	427	6,436	..	..	6,863	9	28	..	..	37
20.	Mandla	80	9,999	9,999	3,096	3,050	..	..	6,146	..	..	..	..	..
21.	Mandsor	58	5,713	5,234	51	5,000	4	..	5,055	..	..	..	..	..
22.	Murena	..	1,564	1,404	449	919	16	..	1,384	..	..	..	..	..
23.	Narsinghpur	13	1,008	1,008	5	804	..	..	809	..	..	..	..	..
24.	P. Nemad (Khandba)	15	3,948	3,439	218	2,320	..	..	2,538	1	3	..	..	4
25.	P. Nemad (Khargon)	389	8,144	7,182	2,487	2,297	3	..	4,787	..	..	..	..	..
26.	Panna	459	22,316	3,601	748	2,818	..	..	3,566	..	15	..	..	15
27.	Raigarh	44	22,022	20,438	6,805	4,470	515	..	11,790	16	34	..	..	50
28.	Raipur	1,178	62,996	60,802	56,578	2,322	10	28	58,938	3,421	190	..	..	3,611
29.	Raisen	..	10,245	10,245	..	3,466	..	..	3,466	..	51	..	..	51

30. Rajgarh	..	2,209	1,464	2	1,343	1	..	1,346	..	..	..	..	..
31. Rajandgaon	362	33,088	26,907	37,303	604	1	6	37,914	6,062	932	2	..	6,996
32. Ratlam	44	4,271	4,271	62	1,829	4	..	1,895	..	19	..	..	19
33. Reva	23	1,736	1,717	129	2,810	..	..	2,939	..	30	..	..	30
34. Sagar	339	5,462	2,048	..	1,839	..	..	1,839	..	6	..	..	6
35. Sarguja	447	24,125	13,607	1,702	7,710	4	..	9,416	..	5	..	..	5
36. Satna	65	4,107	5,053	22	4,305	..	..	4,327	..	222	..	..	222
37. Seedhi	107	6,610	6,346	..	4,503	103	112	4,718	14	122	..	14	150
38. Sehdol	158	9,450	8,800	370	3,965	19	2	4,356	..	17	..	..	17
39. Sehor	93	5,176	3,925	317	3,499	..	..	3,816	3	41	..	..	44
40. Shajapur	56	3,197	3,144	17	3,126	1	..	3,144	..	..	..	..	..
41. Shivpuri	348	6,352	6,037	388	7,209	..	..	7,597	..	..	..	..	..
42. Sivni	52	6,368	6,368	3,787	748	16	..	4,551	..	..	..	..	..
43. Teekamgarh	143	12,375	12,480	499	11,872	..	3	12,374	1,217	5,758	..	..	6,975
44. Ujjain	223	5,124	4,906	103	3,694	..	1	3,798	14	1,231	..	..	1,245
45. Vedesha	140	3,162	2,323	4	2,482	..	..	2,486	1	769	..	..	770
STATE TOTAL	**12,358**	**5,60,598**	**4,86,036**	**2,38,447**	**1,35,764**	**872**	**162**	**3,75,345**	**23,688**	**14,908**	**221**	**160**	**38,977**

MINOR IRRIGATION CENSUS IN MAHARASHTRA FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL OF ABSTRACT MAHARASHTRA (SURFACE FLOW IRRI. SCHEMES)

STATE : MAHARASHTRA

Sl. No.	Name of District	Yearwise No. of Surface Flow Irri. Schemes Commissioned During						No. of Schemes not in Use	Categorywise No. of Irrigation Schemes in Use				Number of Irrigation Schemes Owned by			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Storage	Permanent Diversion	Temporary Diversion	Total (10+11+12)	Govern-ment	Public Organs.	Private Society	Total (14+15+16)
1		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Ahmednagar	75	..	9	..	..	8	..	8	75	9	92	92	..	..	92
2.	Akola	131	2	4	27	8	1	29	180	67	73	320	340	—	1	34
3.	Amravati	93	2	8	3	5	—	12	97	2	..	99	111	—	—	11
4.	Aurangabad	17	..	..	53	..	1	..	21	10	40	71	65	3	3	71
5.	Beed	..	..	..	..	..	..	21	35	62	28	125	108	24	14	146
6.	Bhandara	..	..	..	..	..	..	277	3,968	1	24	3,993	1,730	1,867	2,150	5,747
7.	Buldhana	678	8	2	9	..	1	222	450	53	19	522	105	9	..	114
8.	Chandrapur	2,839	12	8	28	32	12	38	2,837	21	35	2,893	1,261	1,378	297	2,936
9.	Dhule	..	..	..	..	..	..	11	5	30	132	167	170	1	7	178
10.	Gadchiroli	..	..	..	..	..	..	51	3,369	..	59	3,428	1,441	1,789	249	3,479
11.	Jalgaon	40	4	..	3	1	3	1	47	3	..	50	51	..	..	51
12.	Jalna	55	2	1	..	..	..	..	54	4	..	58	56	2	..	58
13.	Kolhapur	1,717	11	54	23	9	3	13	104	160	1,540	1,804	214	64	1,539	181
14.	Latur	36	..	1	1	2	..	..	39	42	..	81	81	..	..	81
15.	Nagpur	136	6	1	64	25	5	2	230	..	5	235	145	87	4	236
16.	Nanded	163	7	8	9	20	22	..	229	..	..	229	229	..	..	229
17.	Nasik	..	..	..	..	..	..	11	49	1,077	782	1,908	1,087	5	..	1,092
18.	Osmanabad	40	1	6	13	2	2	1	21	18	14	53	46	1	7	5
19.	Parbhani	24	..	2	1	3	..	..	30	..	..	30	17	13	..	30
20.	Pune	15	2	2	8	..	7	..	2	96	8	106	43	60	..	103
21.	Raigad	1	1	3	2	..	1	..	204	7	3	214	18	2	199	219
22.	Ratnagiri	..	..	..	..	..	..	8	171	277	1,502	1,950	151	483	1,324	1,958
23.	Sangli	..	..	..	..	..	..	15	45	14	102	161	98	50	22	170
24.	Satara	756	187	2	23	36	20	118	116	212	578	906	340	613	71	1,024
25.	Sindhudurg	65	..	2	1	2	127	14	32	13	138	183	147	39	11	197
26.	Solapur	204	13	19	605	149	..	..	113	2,480	..	2,593	584	..	2,009	2,593
27.	Thane	185	116	163	11	31	25	132	82	300	17	399	398	1	25	424
28.	Wardha	16	..	3	3	..	12	2	1	33	1	35	35	2	..	37
29.	Yavatmal	75	5	3	2	6	5	1	..	95	..	95	82	14	..	96
	STATE TOTAL	**7,361**	**379**	**301**	**889**	**331**	**255**	**979**	**12,539**	**5,152**	**5,109**	**22,800**	**9,245**	**6,507**	**7,932**	**23,684**

MINOR IRRIGATION CENSUS IN MAHARASHTRA FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF MAHARASHTRA (SURFACE FLOW IRRI. SCHEMES)

STATE : MAHARASHTRA

Sl. No.	Name of District	No. of Schemes with Dist. System	Culturable Command Area (in ha.)	Gross Irri. pot. Created (in ha.)	Seasonwise Area Irrigated by Irri. Schemes (in ha.)					Seasonwise Area Irrigated by other Sources (in ha.)				
					Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	18	19	20	21	22	23	24	25	26	27	28	29	30
1.	Ahmednagar	92	23,482	20,823	7,363	7,351	2,451	798	17,963	338	589	66	35	1,028
2.	Akola	2,364	14,814	15,109	2,979	5,368	5	328	8,680	804	694	77	65	1,640
3.	Amravati	..	..	17,315	551	1,995	264	92	2,902	118	..	875	98	1,091
4.	Aurangabad	37	17,637	18,089	2,588	6,880	893	462	10,823	232	723	181	21	1,157
5.	Beed	43	1,985	5,524	804	1,843	285	179	3,111	199	193	77	13	482
6.	Bhandara	2,488	98,744	98,172	86,028	1,569	48	65	87,710	6,151	198	10	14	6,373
7.	Buldhana	686	18,180	18,911	1,930	4,466	27	49	6,472	430	244	36	47	757
8.	Chandrapur	2,931	1,02,312	85,194	80,114	4,214	830	72	85,230	323	25	5	3	356
9.	Dhule	156	3,203	3,289	770	977	202	4	1,953	874	206	24	..	1,104
10.	Gadchiroli	1,679	43,620	41,040	36,301	803	3	26	37,133	714	1,222	9	14	1,959
11.	Jalgaon	51	20,747	16,552	30	534	..	..	564	..	..	..	..	..
12.	Jalna	45	8,173	7,684	1,395	3,592	..	1,515	6,502	6,580	5,102	1,774	609	14,065
13.	Kolhapur	1,652	6,833	5,370	2,400	1,611	310	83	4,404	10	8	8	..	26
14.	Latur	81	5,991	5,820	533	2,004	76	104	2,717	12	20	43	..	75
15.	Nagpur	235	7,693	13,872	5,239	3,076	75	70	8,460	183	127	35	15	360
16.	Nanded	106	97,308	97,303	20,176	10,964	6,455	1,787	39,382	674	2,108	704	40	3,526
17.	Nasik	57	9,934	31,035	5,705	5,897	905	94	12,601	345	350	504	232	1,431
18.	Osmanabad	13	8,695	6,950	1,464	5,107	357	119	7,047	..	..	..	..	..
19.	Parbhani	30	5,393	5,388	41	1,703	12	136	1,892	49	23	5	8	85
20.	Pune	449	35,143	18,072	1,192	16,998	679	179	19,048	5,002	32,285	9	9	37,305
21.	Raigard	893	2,027	490	660	2,426	393	3	3,482	---	---	..	..	..
22.	Ratnagiri	469	2,952	2,661	215	1,302	255	120	1,892	..	..	..	..	..
23.	Sangli	40,914	15,908	11,960	928	5,781	205	42	6,956	116	395	120	3	634
24.	Satara	2,881	19,359	18,214	4,993	8,002	2,260	343	15,958	552	548	202	69	1,371
25.	Sindhudurg	38	1,302	1,046	81	711	83	8	883	..	..	..	..	..
26.	Solapur	12,828	21,769	11,220	9,669	4,333	544	107	14,653	144	222	94	22	482
27.	Thane	56	4,461	4,547	395	1,062	915	37	2,409	..	506	8	..	514
28.	Wardha	27	10,623	9,134	1,645	3,648	54	151	5,498	5	26	8	..	39
29.	Yavatmal	96	17,161	16,742	3,538	5,820	222	253	9,833	13	16	2	..	31
	STATE TOTAL	**71,397**	**6,25,449**	**6,07,537**	**2,79,727**	**1,20,037**	**18,808**	**7,226**	**4,25,798**	**23,868**	**45,830**	**4,876**	**1,317**	**75,891**

MINOR IRRIGATION CENSUS IN MANIPUR FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF MANIPUR (SURFACE FLOW IRRI. SCHEMES)

STATE : MANIPUR

Sl. No.	Name of District	Yearwise No. of Surface Flow Irri. Schemes Commissioned During						No. of Schemes Not in use	Categorywise No. of Irrigation Schemes in use				Number of Irrigation Schemes Owned by			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Storage	Permanent Diversion	Temporary Diversion	Total (10+11 +12)	Govern-ment	Public Organs	Private Society	Total (14+15 +16)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Bishenpur	2	1	2	2	2	2	..	..	11	..	11	11	..	..	11
2.	Chandel	..	..	3	1	1	3	..	..	8	..	8	8	..	..	8
3.	Churachandpur	19	4	6	3	3	3	..	..	38	..	38	38	..	..	38
4.	Imphal	22	2	..	2	2	1	..	..	29	..	29	29	..	..	29
5.	Senapati	10	8	..	3	4	4	..	..	29	..	29	29	..	..	29
6.	Tamanglong	..	..	..	..	3	6	..	..	9	..	9	9	..	..	9
7.	Thoubal	8	2	3	2	1	2	..	..	18	..	18	11	..	..	11
8.	Ukhrul	4	2	..	..	..	..	..	..	6	..	6	6	..	..	6
	STATE TOTAL	**65**	**12**	**14**	**13**	**16**	**21**	..	..	**148**	..	**148**	**141**	..	..	**141**

Sl. No.	Name of District	No. of Schemes with Dist. System	Culturable Command Area (in ha).	Gross Irri. pot. Created (in ha.)	Seasonwise Area Irrigated by Irri. Schemes (in ha.)					Seasonwise Area Irrigated by Other Sources (in ha.)				
					Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	18	19	20	21	22	23	24	25	26	27	28	29	30
1.	Bishenpur	11	1,453	2,055	1,233	200	..	..	1,433	..	..	..	..	..
2.	Chandel	8	244	406	244	..	..	..	244	..	..	..	..	..
3.	Churachandpur	38	1,500	2,494	1,500	..	..	..	1,500	..	..	..	..	..
4.	Imphal *	29	3,406	4,676	2,806	600	..	..	3,406	..	..	..	..	..
5.	Senapati	29	832	1,387	832	..	..	..	832	..	..	..	..	..
6.	Tamanglong	9	125	188	125	..	..	..	125	..	..	..	..	..
7.	Thoubal	18	3,560	5,100	3,060	500	..	..	3,560	..	..	..	..	..
8.	Ukhrul	6	231	385	231	..	..	..	231	..	..	..	..	..
	STATE TOTAL	**148**	**11,331**	**16,691**	**10,031**	**1,300**	..	..	**11,331**	..	..	..	..	..

MINOR IRRIGATION CENSUS IN MEGHALAYA FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF MEGHALAYA (SURFACE FLOW IRRI. SCHEMES)

STATE : MEGHALAYA

Sl. No.	Name of District	Year wise No. of Surface Flow Irr. Schemes Commissioned During						No of. Schemes not in use	Categorywise No. of Irrigation Schemes in use				Number of Irrigation Schemes Owned by			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Storage	Permanent Diversion	Temporary Diversion	Total (10+11 +12)	Govern-ment	Public Organs.	Private Society	Total (14+15 +16)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	East Garo Hills	7	..	2	..	2	2	..	..	13	..	13	13	..	..	13
2.	East Khasi Hills	1,354	487	372	338	318	388	19	153	1,285	1,800	3,238	12	1,594	1,651	3,257
3.	Jaintia Hills	1,312	176	71	102	70	357	40	..	1,447	601	2,048	25	1,022	1,041	2,088
4.	West Garo Hills	75	11	20	8	13	122	45	..	61	143	204	112	34	103	249
5.	West Kashi Hills	1,807	1,037	1,154	606	568	395	151	2	1,334	4,080	5,416	15	5	5,547	5,567
	STATE TOTAL	**4,555**	**1,711**	**1,619**	**1,054**	**971**	**1,264**	**255**	**155**	**4,140**	**6,624**	**10,919**	**177**	**2,655**	**8,342**	**11,174**

Sl. No.	Name of District	No. of Schemes with Dist. System	Culturable Command Area (in ha.)	Gross Irri. Pot. Created (in ha.)	Seasonwise Area Irrigated by Irri. Schemes (in ha.)					Seasonwise Area Irrigated by other Sources (in ha.)				
					Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	18	19	20	21	22	23	24	25	26	27	28	29	30
1.	East Garo Hills	13	4,894	5,633	2,816	845	..	..	3,661	15	..	..	..	1
2.	East Khasi Hills	3,257	6,189	8,705	3,794	1,105	368	15	5,282	100	1	..	..	101
3.	Jaintia Hills	1,414	7,507	7,880	4,520	153	2,559	275	7,507	..	..	..	..	..
4.	West Garo Hills	172	7,310	7,772	6,153	436	131	53	6,773	..	..	..	..	..
5.	West Khasi Hills	1	5,026	5,346	4,643	434	42	23	5,142	..	..	..	..	..
	STATE TOTAL	**4,857**	**30,926**	**35,336**	**21,926**	**2,973**	**3,100**	**366**	**28,365**	**115**	**1**	..	..	**116**

MINOR IRRIGATION CENSUS IN MIZORAM FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF MIZORAM (SURFACE FLOW IRRI. SCHEMES)

STATE : MIZORAM

Sl. No.	Name of District	Yearwise No. of Surface Flow Irri. Schemes Commissioned During						No. of Schemes not in use	Categorywise No. of Irrigation Schemes in use				Number of Irrigation Schemes Owned by			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Storage	Permanent Diversion	Temporary Diversion	Total (10+11 +12)	Govern-ment	Public Organs	Private Society	Total (14+15 +16)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Aizwal East	..	..	..	..	..	2,903	136	2	..	2,765	2,767	3	574	2,326	2,903
2.	Aizwal West	..	..	..	..	..	754	112	114	7	521	642	..	..	754	754
3.	Chhimtuipui	..	..	..	..	..	65	42	2	..	21	23	..	..	65	65
4.	Kolasib	..	..	..	..	..	63	27	21	9	6	36	10	..	53	63
5.	Lunglei	..	..	..	..	..	98	51	11	1	35	47	3	..	95	98
	STATE TOTAL	..	..	..	..	..	3,883	368	150	17	3,348	3,515	16	574	3,293	3,883

Sl. No.	Name of District	No. of Schemes with Dist. System	Culturagble Command Area (in ha.)	Gross Irri. pot. Created (in ha.)	Seasonwise Area Irrigated by Irri. Schemes (in ha.)					Seasonwise Area Irrigated by other Sources (in ha).				
					Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	18	19	20	21	22	23	24	25	25	27	28	29	30
1.	Aizwal East	2,267	4,701	3,423	3,284	5	..	..	3,289	..	..	..	..	..
2.	Aizwal West	739	1,131	679	438	153	..	..	591	..	..	..	..	..
3.	Chhimtuipui	65	1,382	818	600	8	6	..	614	..	..	..	..	..
4.	Kolasib	63	520	493	466	270	..	..	736	..	..	..	..	..
5.	Lunglei	98	900	830	340	16	7	..	363	..	..	..	..	..
	STATE TOTAL	3,232	8,634	6,243	5,128	452	13	..	5,593	..	..	..	..	..

MINOR IRRIGATION CENSUS IN ORISSA FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF ORISSA (SURFACE FLOW IRRI. SCHEME S)

STATE : ORISSA

Sl. No.	Name of District	Yearwise No. of Surface Flow Irri. Schemes Commissioned During						No. of Schemes not in use	Categorywise No. of Irrigation Schemes in use				No. of Irrigation Schemes Owned by			
		Before (82-83)	82-83	83-84	84-85	85-86	86-87		Storage	Permanent Diversion	Temporary Diversion	Total (10+11 +12)	Govern-ment	Public Organs.	Private Organs.	Total (14+15 +16)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Balasore	54	..	1	2	2	1	5	3	44	8	55	60	..	..	60
2.	Bolangir	1,431	64	50	56	60	67	201	475	566	486	1,527	1,622	3	103	1,728
3.	Cuttack	178	6	5	17	2	3	7	105	93	6	204	177	11	23	211
4.	Dhenkanal	319	12	7	13	6	3	25	143	110	82	335	278	53	29	360
5.	Ganjam	2,342	72	59	87	28	100	77	2,180	188	243	2,611	2,589	30	69	2,688
6.	Kalahandi	377	34	42	23	105	117	174	392	76	56	524	498	95	105	698
7.	Keonjhar	382	22	17	15	9	6	16	208	144	83	435	405	24	22	451
8.	Koraput	2,925	294	235	208	198	221	412	1,732	798	1,139	3,669	1,534	570	1,977	4,081
9.	Mayurbhanj	701	58	132	71	46	47	112	417	443	83	943	809	54	192	1,055
10.	Phulbani	782	34	39	24	39	39	91	507	245	114	866	651	15	291	957
11.	Puri	329	11	8	14	3	5	43	169	105	53	327	296	15	59	370
12.	Sambalpur	287	16	23	25	46	24	29	187	150	55	392	406	3	12	421
13.	Sundergarh	474	16	2	9	3	6	4	361	117	28	506	244	32	234	510
	STATE TOTAL	**10,581**	**639**	**620**	**564**	**547**	**639**	**1,196**	**6,879**	**3,079**	**2,436**	**12,394**	**9,569**	**905**	**3,116**	**13,590**

MINOR IRRIGATION CENSUS IN ORISSA FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF ORISSA (SURFACE FLOW IRRI. SCHEMES)

STATE : ORISSA

Sl. No.	Name of District	No. of Schemes with Dist. System	Culturable Command Area (in ha.)	Gross Irri. Pot. Created (in ha.)	Seasonwise Area Irrigated by Irri. Schemes (in ha.)					Seasonwise Area Irrigated by Other Sources (in ha.)				
					Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	18	19	20	21	22	23	24	25	26	27	28	29	30
1.	Balasore	40	3,861	4,175	3,114	322	6	29	3,471	..	..	..	..	..
2.	Bolangir	1,446	35,104	39,786	25,120	1,361	28	58	26,567	10	..	..	..	10
3.	Cuttack	146	16,435	19,507	12,431	1,243	12	1	13,687	100	42	..	..	142
4.	Dhenkanal	196	28,017	33,441	18,130	2,456	78	12	20,676	94	16	3	..	113
5.	Ganjam	1,743	1,02,002	1,04,823	82,215	4,425	257	..	86,897	73	26	9	..	108
6.	Kalahandi	205	27,571	30,028	15,746	872	99	..	16,717	53	1	1	50	105
7.	Keonjhar	435	10,316	10,595	7,831	681	..	..	8,512	76	..	..	..	76
8.	Koraput	1,428	40,569	46,227	20,926	4,933	176	30	26,065	739	53	..	1	793
9.	Mayurbhanj	634	29,167	35,456	24,928	1,396	3	5	26,332	110	6	..	..	116
10.	Phulbani	266	2,277	25,400	13,202	572	2	..	13,776	22	4	..	..	26
11.	Puri	367	13,593	14,705	9,229	1,035	..	2	10,266	148	5	..		153
12.	Sambalpur	296	37,528	43,192	26,748	4,657	56	2	31,463	32	32	..		64
13.	Sundergarh	478	5,23	7,061	5,120	814	58	2	5,994	41	10	..		51
	STATE TOTAL	**7,680**	**3,51,678**	**4,14,396**	**2,64,740**	**24,767**	**775**	**141**	**2.90,423**	**1,498**	**195**	**13**	**51**	**1,757**

MINOR IRRIGATION IN PUNJAB FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF PUNJAB (SURFACE FLOW IRRI. SCHEMES)

STATE : PUNJAB

Sl. No.	Name of District	Yearwise No. of Surface Flow Irri. Schemes Commissioned during						No. of Schemes not in use	Categorywise No. of Irrigation Schemes in use				Number of Irrigation Schemes Owned by			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Storage	Permanent Diversion	Temporary Diversion	Total (10+11 (+12)	Govern-ment	Public Organs.	Private Society	Total (14+15 +16)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Amritsar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2.	Bhatinda	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Faridkot	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4.	Ferozepur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5.	Gurdaspur	..	..	..	..	..	68	..	..	34	..	34	33	1	..	34
6.	Hoshiarpur	..	..	..	..	..	..	..	3	..	2	5	5	..	..	5
7.	Jalandhar	...	..	..	..	..	..	..	..	..	...	...	...	...	...	...
8.	Kapurthala	..	..	..	..	..	..	..	..	...	..	..	..	...	...	...
9.	Ludhiana	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10.	Patiala	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11.	Ropar	..	..	..	..	..	214	..	..	107	..	107	5	..	102	107
12.	Sangrur	..	..	..	..	..	10	..	..	5	..	5	5	..	..	5
	STATE TOTAL	..	..	..	..	..	292	..	3	146	2	151	48	1	102	151

MINOR IRRIGATION CENSUS IN PUNJAB FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF PUNJAB (SURFACE FLOW IRRI. SCHEMES)

STATE : PUNJAB

Sl. No.	Name of District	No. of Schemes with Dist. System	Culturable Command Area (in ha.)	Gross Irri. Pot. Created (in ha.)	Seasonwise Area Irrigated by Irri. Schemes (in ha.)					Seasonwise Area Irrigated by Other Sources (in ha.)				
					Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	18	19	20	21	22	23	24	25	26	27	28	29	30
1.	Amritsar	..	..	..	..	..	..	..	..	..	..	..	..	..
2.	Bhatinda	..	..	--	..	..	..	..	..	--	..	--	..	--
3.	Faridkot	..	..	..	..	..	..	..	..	..	..	..	..	..
4.	Ferozepur	..	..	..	..	..	..	..	..	..	..	..	..	..
5.	Gurdaspur	..	113	211	100	95	16	..	211	10	10	12	..	32
6.	Hoshiarpur	..	1,255	1,989	280	487	..	..	767	40	20	..	..	60
7.	Jalandhar	..	..	..	..	..	..	..	..	..	..	..	..	..
8.	Kapurthala	..	..	--	..	..	..	..	..	..	..	..	..	--
9.	Ludhiana	..	--	..	..	..	..	..	..	..	..	..	..	..
10.	Patiala	..	..	..	..	..	..	..	..	..	..	..	..	..
11.	Ropar	--	345	633	288	345	..	..	633	..	..	..	..	..
12.	Sangur	..	18	36	18	18	..	..	36	..	..	..	..	..
	STATE TOTAL	..	**1,731**	**2,869**	**686**	**945**	**16**	..	..	**1,647**	**50**	**30**	**12**	..	**92**

MINOR IRRIGATION CENSUS IN SIKKIM FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF SIKKIM (SURFACE FLOW IRRI. SCHEMES)

STATE : SIKKIM

Sl. No.	Name of District	Yearwise No. of Surface Flow Irri. Schemes Commissioned during						No. of Schemes not in use	Categorywise No. of Irrigation Schemes in use				Number of Irrigation Schemes Owned by			
		Before 82-83	1982-83	83-84	84-85	86-86	86-87		Storage	Permanent Diversion	Temporary Diversion	Total (10+11 +12)	Govern. ment	Public Organs	Private Society	Total (14+15 +16)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	East Disstt	42	7	11	10	33	40	35	..	108	2	110	109	22	14	145
2.	North Distt	7	3	8	6	3	8	8	..	8	19	27	10	24	..	34
3.	South Distt	67	2	2	1	5	..	18	..	19	116	135	52	80	21	153
4.	West Distt	140	..	21	7	3	8	3	..	59	118	177	55	124	..	179
	STATE TOTAL	**256**	**12**	**42**	**24**	**44**	**56**	**64**	..	**194**	**255**	**449**	**226**	**250**	**35**	**511**

Sl. No.	Name of District	No. of Schemes with Dist. System	Culturalble Command Area (in ha.)	Gross Irri. Pot. Created (in ha.)	Seasonwise Area Irrigated by Irri. Schemes (in ha.)					Seasonwise Area Irrigated by Other Sources (in ha.)				
					Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	18	19	20	21	22	23	24	25	26	27	28	29	30
1.	East Distt	..	4,294	4,326	3,266	1,059	..	1	4,326	..	..	..	..	..
2.	North Distt	..	790	798	515	229	23	32	799	..	..	..	..	..
3.	South Distt	..	4,086	4,403	2,689	1,451	188	76	4,404	..	..	..	..	..
4.	West Distt	..	6,693	6,122	4,274	902	947	..	6,123	..	..	..	..	..
	STATE TOTAL	..	**15,863**	**15,649**	**10,744**	**3,641**	**1,158**	**109**	**15,652**	..	..	..	..	..

MINOR IRRIGATION CENSUS IN TAMIL NADU FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF TAMIL NADU (SURFACE FLOW IRRI. SCHEMES)

STATE : TAMIL NADU

Sl. No.	Name of District	Yearwise No. of Surface Flow Irri. Schemes Commissioned During						No. of Schemes not in use	Categorywise No. of Irrigation Schemes in use				Number of Irrigation Schemes Owned by			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Storage	Permanent Diversion	Temporary Diversion	Total (10+11+12)	Government	Public Organs.	Private Society	Total (14+15+16)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Anna	1,995	3	..	..	..	..	54	1,812	114	18	1,944	1,899	19	80	1,998
2.	Chenglepet	3,302	14	..	..	..	..	133	2,762	389	32	3,183	3,240	76	..	3,316
3.	Coimbatore	171	..	..	..	3	..	2	70	98	4	172	165	1	8	174
4.	Dharmapuri	2,471	21	10	9	11	1	17	2,180	295	31	2,506	2,518	5	..	2,523
5.	Kamarajar	974	..	..	..	..	..	3	952	19	..	971	970	..	4	974
6.	Kanyakumari	3,347	..	..	..	..	..	4	2,806	537	..	3,343	3,346	..	1	3,347
7.	Madurai	2,868	..	..	..	..	..	28	2,494	302	44	2,840	2,834	2	32	2,868
8.	Nilgiris	740	3	5	53	31	53	..	..	98	787	885	..	3	882	885
9.	North Arcot	3,900	..	..	..	..	..	73	3,407	67	353	3,827	3,896	4	..	3,900
10.	P. Muthuramalingam	4,569	..	..	..	..	..	1	3,967	601	..	4,568	4,568	..	1	4,569
11.	Periyar	154	..	..	..	..	..	1	34	70	49	153	44	..	110	154
12.	Pudukottai	5,564	..	..	..	..	..	44	5,494	26	..	5,520	5,553	..	11	5,564
13.	Ramanathapuram	1,832	..	..	..	1	..	..	1,832	1	..	1,833	1,833	..	..	1,833
14.	Salem	1,091	..	3	..	..	..	3	827	215	49	1,091	1,066	20	8	1,094
15.	South Arcot	2,994	1	..	..	..	..	46	2,628	312	9	2,949	2,988	1	6	2995
16.	Thanjivur	635	1	..	..	..	23	6	653	..	..	653	501	..	158	659
17.	Tirunelveli	1,636	..	..	..	..	..	9	1,567	60	..	1,627	1,478	150	8	1,636
18.	Trichirapalli	2,854	..	..	..	1	..	329	2,353	167	6	2,526	2,849	..	6	2,855
19.	V.O. Chidambaranar	786	..	1	..	..	..	16	685	84	2	771	769	3	15	787
	STATE TOTAL	41,883	43	19	62	47	77	769	36,523	3,455	1,384	41,362	40,517	284	1,330	42,131

MINOR IRRIGATION CENSUS IN TAMIL NADU FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF TAMIL NADU (SURFACE FLOW IRRI. SCHEMES)

STATE : TAMIL NADU

Sl. No.	Name of District	No. of Schemes with Dist. System	Culturable Command Area (in ha.)	Gross Irri. Pot. Created (in ha.)	Seasonwise Area Irrigated by Irri. Schemes (in ha.)					Seasonwise Area Irrigated by Other Sources (in ha.)				
					Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29
1	2	18	19	20	21	22	23	24	25	26	27	28	29	30
1.	Anna	70	24,356	23,197	5,366	8,381	953	55	14,755	73	165	64	91	393
2.	Chenglepet	3,183	1,76,210	1,57,965	86,882	41,427	1,313	106	1,29,728	12,020	4,285	426	95	16,826
3.	Coimbatore	24	10,855	13,410	2,797	2,376	1,633	16	6,822	1,885	415	2,130	16	4,446
4.	Dharmapuri	1	30,418	28,554	14,182	5,097	2,103	204	21,586	649	729	222	59	1,659
5.	Kamarajar	974	37,986	38,949	2,974	22,440	392	1,132	26,938	75	138	..	77	290
6.	Kanyakumari	2,341	29,306	42,872	13,287	16,592	9,687	402	39,968	52	52	..	..	104
7.	Madurai	188	86,960	85,049	17,952	51,548	3,143	2,288	74,931	1,346	6,329	132	227	8,034
8.	Nilgiris	..	2,349	1,955	677	338	992	274	2,281	..	..	4	..	4
9.	North Arcot	194	1,22,822	1,32,798	23,406	34,583	2,915	1,107	62,011	2,041	2,160	1,192	145	5,538
10.	P. Muthuramalingam	..	97,346	82,264	8,469	57,438	1,459	680	68,046	150	501	43	58	752
11.	Periyar	20	3,746	3,431	1,171	383	120	106	1,780	21	5	11	1	38
12.	Pudukottai	..	94,157	94,157	5,541	64,332	507	245	70,625	2,562	8,246	238	62	11,108
13.	Ramanathapuram	163	69,370	69,370	470	57,736	704	211	59,121	..	3	..	..	3
14.	Salem	700	30,635	34,824	4,655	4,858	2,708	305	12,526	793	2,149	264	63	3,269
15.	South Arcot	109	1,57,873	1,63,506	25,572	80,096	10,118	1,883	1,17,669	6,785	11,835	2,558	649	21,827
16.	Thanjavur	371	22,622	23,185	2,813	18,269	500	1,603	23,185	493	1,203	3	..	1,699
17.	Tirunelveli	1,616	41,651	40,264	9,938	22,702	1,411	481	34,532	714	886	93	1	1,694
18.	Trichirapalli	1,222	48,979	52,039	3,132	19,085	2,144	249	24,610	925	1,683	306	42	2,956
19.	V.O. Chidambaranar	..	28,425	43,166	4,242	15,855	3,750	573	24,420	65	..	2	..	67
	STATE TOTAL	11,176	11,16,066	11,30,955	2,33,526	5,23,536	46,552	11,920	8,15,534	30,649	40,784	7,688	1,586	80,707

MINOR IRRIGATION CENSUS IN TRIPURA FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF TRIPURA (SURFACE FLOW IRRI. SCHEMES)

STATE : TRIPURA

Sl. No.	Name of District	Yearwise No. of Surface Flow Irri. Schemes Commissioned During						No. of schemes not in use	Categorywise No. of Irrigatiion Schemes in use				Number of Irrigation Schemes Owned by			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Storage	Permanent Diversion	Temporary Diversion	Total (10+11 12+)	Govern-ment	Public Organts	Private	Total (14+15 +16)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	North Tripura	185	54	38	57	85	401	42	455	4	319	778	510	58	252	820
2.	South Tripura	24	12	14	21	28	232	10	101	9	211	321	312	..	19	331
3.	West Tripura	115	27	39	45	53	412	59	89	6	537	632	428	200	63	691
	STATE TOTAL	**324**	**93**	**91**	**123**	**166**	**1,045**	**111**	**645**	**19**	**1,067**	**1,731**	**1,250**	**258**	**334**	**1,842**

MINOR IRRIGATION CENSUS IN TRIPURA FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF TRIPURA (SURFACE FLOW IRRI. SCHEMES)

STATE : TRIPURA

Sl. No.	Name of District	No. of Schemes with Dist. System	Culturable Command Area (in ha.)	Gross Irri. Pot. Created (in ha.)	Seasonwise Area Irrigated by Irri. Schemes (In ha.)					Seasonwise Area Irrigated by other Sources (In ha.)				
					Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	18	19	20	21	22	23	24	25	26	27	28	29	30
1.	North Tripura . .	376	2,796	2,877	472	1,414	3	35	1,924	1	..	..	2	3
2.	South Tripura . .	31	2,271	3,195	437	1,436	6	45	1,924	934	13	81	1,099	2,127
3.	West Tripura . .	184	4,227	4,934	2,022	2,694	29	90	3,835	67	1	1	94	163
	STATE TOTAL .	**591**	**9,294**	**11,006**	**1,931**	**5,544**	**38**	**170**	**7,683**	**1,002**	**14**	**82**	**1,195**	**2,293**

MINOR IRRIGATION CENSUS IN UTTAR PRADESH FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF UTTAR PRADESH (SURFACE FLOW IRRI. SCHEMES)

STATE : UTTAR PRADESH

Sl. No.	Name of District	Yearwise No. of Surface Flow Irri. Schemes Commissioned During						No. of Schemes not in use	Categorywise No. of Irrigation Schemes in use				Number of Irrigation Schemes Owned by			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Storage	Permanent Diversion	Temporary Diversion	Total (10+11+12)	Government	Public Organs.	Private Society	Total (14+15+16)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Agra	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2.	Aligarh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Allahabad	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4.	Almora	..	..	..	..	..	4,634	1,938	2,193	958	1,483	4,634	663	2,086	1,885	4,634
5.	Azamgarh	..	..	..	..	..	27	91	17	7	3	27	6	18	3	27
6.	Badaun	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7.	Balia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8.	Banda	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9.	Barabanki	..	..	..	..	..	1	..	1	..	..	1	1	..	..	1
10.	Bareilly	..	..	..	..	..	24	..	23	1	..	24	..	..	24	24
11.	Basti	..	..	..	..	..	6	..	6	..	6	12	..	6	6	12
12.	Bharich	..	..	..	..	..	24	..	4	20	..	24	24	..	..	24
13.	Bijnor	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14.	Buland Shahar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
15.	Chamoli	..	..	..	..	..	1,226	1,034	782	421	23	1,226	..	798	448	1,246
16.	Dehradun	..	..	..	..	..	684	51	135	494	55	684	186	275	223	684
17.	Deoria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
18.	Etah	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
19.	Etawah	..	..	..	..	..	29	..	..	20	9	29	..	3	26	29
20.	Faizabad	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
21.	Farrukhabad	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
22.	Ghaziabad	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
23.	Ghazipur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
24.	Gonda	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
25.	Gorakhpur	..	..	..	..	..	28	..	20	7	1	28	..	21	7	28
26.	Hamirpur	..	..	..	..	..	100	22	8	87	5	100	100	..	100	200
27.	Hardoi	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
28.	Jalaun	..	..	..	..	..	330	..	324	..	6	330	..	1	329	330
29.	Jaunpur	..	..	..	..	..	591	..	..	..	591	591	..	591	..	591

30.	Jhansi	..	..	..	..	..	112	..	64	23	25	112	56	..	56	1 12
31.	Kanpur Dehat	..	..	..	..	..	1,789	59	1	1,788	..	1,789	..	..	1,789	1,789
32.	Kanpur Nagar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
33.	Kheri	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
34.	Lalitpur	..	..	..	..	..	90	..	81	9	..	90	5	85	..	90
35.	Lucknow	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
36.	Mainpuri	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
37.	Mathura	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
38.	Meerut	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
39.	Mirzapur	..	..	..	..	..	500	14	265	127	108	500	33	444	23	500
40.	Moradabad	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
41.	Muzaffar Nagar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
42.	Nainital	..	..	..	..	..	3,251	650	1,441	1,695	115	3,251	1,043	574	1,639	3,256
43.	Pauri Garhwal	..	..	..	..	..	3,186	2,132	1,408	1,188	590	3,186	490	1,967	729	3,186
44.	Pilibhit	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
45.	Pithorgarh	..	..	..	..	..	3,112	1,848	1,045	718	1,349	3,112	172	2,607	333	3,112
46.	Pratapgarh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
47.	Rai Bareli	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
48.	Rampur	..	..	..	..	..	2	..	..	2	..	2	2	..	..	2
49.	Saharanpur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
50.	Shahjahanpur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
51.	Sitapur	..	..	..	..	..	71	..	13	16	42	71	58	13	..	71
52.	Sultanpur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
53.	Tehri Garhwal	..	..	..	..	..	7,051	1,859	2,778	1,872	2,443	7,093	7	4,223	2,821	7,051
54.	Unnao	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
55.	Uttarkashi	..	..	..	..	..	1,526	420	364	588	574	1,526	343	536	647	1,526
56.	Varanasi	..	..	..	..	..	103	..	103	..	..	103	64	13	26	103
	STATE TOTAL	..	..	..	..	..	28,497	10,118	11,076	10,041	7,428	28,545	3,253	14,261	11,114	28,628

MINOR IRRIGATION CENSUS IN UTTAR PRADESH FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF UTTAR PRADESH (SURFACE FLOW IRRI. SCHEMES)

STATE : UTTAR PRADESH

Sl. No.	Name of District	No. of Schemes with Dist. System	Culturable Command Area (in ha.)	Gross Irri. Pot. created (in ha.)	Seasonwise Area Irrigated by Irri. Schemes (in ha.)					Seasonwise Area Irrigated by Other Sources (in ha.)				
					Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	18	19	20	21	22	23	24	25	26	27	28	29	30
1.	Agra	..	..	..	..	..	..	..	..	..	..	..	..	..
2.	Aligarh	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Allahabad	..	..	..	..	..	..	..	..	..	..	..	..	..
4.	Almora	..	17,121	19,546	7,950	7,000	1,000	347	16,297	127	120	..	1	248
5.	Azamgarh	14	109	162	46	44	10	6	106	26	30	14	4	74
6.	Badaun	..	..	..	..	..	..	..	..	..	..	..	..	..
7.	Balia	..	..	..	..	..	..	..	..	..	..	..	..	..
8.	Banda	..	..	..	..	..	..	..	..	..	..	..	..	..
9.	Barabanki	..	..	..	..	..	..	..	..	..	..	..	..	..
10.	Bareilly	1	276	438	188	210	8	2	408	95	115	10	23	243
11.	Basti	..	143	183	54	101	25	3	183	..	..	..	..	..
12.	Bharich	24	302	376	126	101	34	..	261	16	30	..	..	46
13.	Bijnor	..	..	..	..	..	..	..	..	..	..	..	..	..
14.	Buland Shaher	..	..	..	..	..	..	..	..	..	..	..	..	..
15.	Chamoli	1,226	2,382	2,581	775	651	7	14	1,447	268	240	..	..	508
16.	Dehradun	684	23,057	29,139	2,970	11,471	2,560	616	17,617	..	..	..	..	..
17.	Deoria	..	..	..	..	..	..	..	..	..	..	..	..	..
18.	Etah	..	..	..	..	..	..	..	..	..	..	..	..	..
19.	Etawah	29	51	62	11	37	..	1	49	..	1	..	..	1
20.	Faizabad	..	..	..	..	..	..	..	..	..	..	..	..	..
21.	Farrukhabad	..	..	..	..	..	..	..	..	..	..	..	..	..
22.	Ghaziabad	..	..	..	..	..	..	..	..	..	..	..	..	..
23.	Ghazipur	..	..	..	..	..	..	..	..	..	..	..	..	..
24.	Gonda	..	..	..	..	..	..	..	..	..	..	..	..	..
25.	Gorakhpur	100	216	217	21	130	..	7	158	..	..	..	..	..
26.	Hamirpur	..	244	285	136	..	1	138	275	..	..	..	..	..
27.	Hardoi	..	..	..	..	..	..	..	..	..	..	..	..	..
28.	Jalaun	70	655	704	604	40	6	650	1,300	..	..	..	..	..
29.	Jaunpur	..	2,367	3,019	222	1,010	259	65	1,556	93	139	7	25	264

30. Jhansi	..	225	275	57	67	15	6	145	..	..	..	..	..
31. Kanpur Dehat	..	3,576	3,251	853	1,962	54	295	3,164	42	109	36	2	189
32. Kanpur Nagar	..	..	..	..	..	..	..	..	..	..	..	..	..
33. Kheri	..	..	..	..	..	..	..	..	..	..	..	..	..
34. Lalitpur	89	605	676	18	627	..	..	645	..	..	..	..	..
35. Lucknow	..	..	..	..	..	..	..	..	..	..	..	..	..
36. Mainpuri	..	..	..	..	..	..	..	..	..	..	..	..	..
37. Mathura	..	..	..	..	..	..	..	..	..	..	..	..	..
38. Meerut	..	..	..	..	..	..	..	..	..	..	..	..	..
39. Mirzapur	230	4,045	4,963	394	1,729	3	1,650	3,776	56	86	6	..	148
40. Moradabad	..	..	..	..	..	..	..	..	..	..	..	..	..
41. Muzaffar Nagar	..	..	..	..	..	..	..	..	..	..	..	..	..
42. Nainital	3,102	32,557	35,454	15,321	1,027	361	1,919	18,628	2,068	645	24	..	2,737
43. Pauri Garhwal	..	10,323	12,101	5,315	4,497	67	131	10,010	..	..	..	..	..
44. Pilibhit	..	..	..	..	..	..	..	..	..	..	..	..	..
45. Pithoragarh	163	11,023	12,115	6,506	4,901	99	97	11,603	16	16	..	..	32
46. Pratapgarh	..	..	..	..	..	..	..	..	..	..	..	..	..
47. Rai Bareli	..	..	..	..	..	..	..	..	..	..	..	..	..
48. Rampur	..	..	..	..	..	..	..	..	..	..	..	..	..
49. Saharanpur	..	..	..	..	..	..	..	..	..	..	..	..	..
50. Shahjahanpur	..	..	..	..	..	..	..	..	..	..	..	..	..
51. Sitapur	19	4,006	4,251	1,749	1,644	540	103	4,036	..	22	..	..	22
52. Sultanpur	..	..	..	..	..	..	..	..	..	..	..	..	..
53. Tehri Garhwal	..	15,011	16,767	6,448	4,348	21	90	10,907	7	5	..	..	12
54. Unnao	..	..	..	..	..	..	..	..	..	..	..	..	..
55. Uttarkashi	1,331	6,321	6,921	4,431	805	3	8	5,247	2	..	..	..	2
56. Varanasi	69	3,120	3,120	20	890	2,080	5	2,995	..	145	..	..	145
STATE TOTAL	**7,151**	**1,37,735**	**1,56,606**	**54,215**	**43,292**	**7,153**	**6,153**	**1,10,813**	**2,816**	**1,703**	**97**	**55**	**4,671**

MINOR IRRIGATION CENSUS IN WEST BENGAL FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF WEST BENGAL (SURFACE FLOW IRRI. SCHEMES)

STATE : WEST BENGAL

Sl. No.	Name of District	Yearwise No. of Surface Flow Irri. Schemes commissioned During						No of. Schemes not in use	Categorywise No. of Irrigation Schemes in use				Number of Irrigation Schemes owned by			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Storage	Permanent Diversion	Temporary Diversion	Total (10+11 +12)	Govern-ment	Public Organs.	Private Society	Total (14+15+ 16)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Bankura	..	..	..	..	..	7,562	90	6,892	193	396	7,481	645	234	5,792	6,671
2.	Birbhum	..	..	..	..	..	760	3	437	127	193	757	172	54	518	744
3.	Burdwan	..	..	..	..	..	7,562	84	1,191	119	166	1,476	198	303	662	1,163
4.	Cooch Behar	..	..	..	..	..	116	1	81	33	1	115	2	..	73	75
5.	Darjeeling	..	..	..	..	..	570	60	133	146	231	510	504	51	14	569
6.	Hoogly	..	..	..	..	..	3,895	8	3,684	52	151	3,887	171	4	2,880	3,055
7.	Howrah	..	..	..	..	..	2,383	..	1,818	348	217	2,383	192	2	2,047	2,241
8.	Jalpaiguri	..	..	..	..	..	283	15	7	117	144	268	194	56	16	266
9.	Malda	..	..	..	..	..	1,325	17	883	306	119	1,308	446	32	829	1,307
10.	Midnapore	..	..	..	..	..	23,349	674	21,596	638	441	22,675	1,319	126	21,752	23,197
11.	Murshidabad	..	..	..	..	..	1,233	..	511	149	573	1,233	107	897	143	1,147
12.	Nadia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
13.	North 24-Parganas	..	..	..	..	..	43	..	2	36	5	43	6	..	37	43
14.	Purulia	..	..	..	..	..	17,910	535	15,773	183	1,419	17,375	2,660	2,614	9,957	15,231
15.	South 24-Parganas	..	..	..	..	..	2,321	1	1,996	281	43	2,320	265	82	1,916	2,263
16.	West Dinajpore	..	..	..	..	..	7,501	12	7,375	52	62	7,489	1,203	7	4,682	5,892
	STATE TOTAL	..	..	..	..	..	76,813	1,500	62,379	2,780	4,161	69,320	8,084	4,462	51,318	63,864

MINOR IRRIGATION CENSUS IN WEST BENGAL FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF WEST BENGAL (SURFACE FLOW IRRI. SCHEMES)

STATE : WEST BENGAL

Sl. No.	Name of District	No. of Schemes with Dist. System	Culturable Command Area (in ha.)	Gross Irri. Pot Created (in ha.)	Seasonwise Area Irrigated by Irri. Schemes (in ha.)					Seasonwise Area Irrigated by Other Sources (in ha.)				
					Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to29)
1	2	18	19	20	21	22	23	24	25	26	27	28	29	30
1.	Bankura	69	77,559	83,727	42,346	9,799	275	1,984	54,404	6,314	1,981	47	336	8,678
2.	Birbhum	3	6,576	7,268	4,093	935	110	279	5,417	845	118	3	13	979
3.	Burdwan	..	16,666	19,938	11,128	4,050	140	1,380	16,698	600	78	24	330	1,032
4.	Cooch Behar	..	413	414	96	100	..	14	210	2	2	..	2	6
5.	Darjeeling	452	15,623	19,328	9,575	2,638	941	769	13,923	20	5	110	11	146
6.	Hoogli	66	10,616	14,559	3,540	6,575	28	1,565	11,708	585	409	4	497	1,495
7.	Howrah	1,364	24,328	33,545	17,576	8,225	367	1,344	27,512	136	272	2	7	417
8.	Jalpaiguri	21	15,436	16,380	10,250	1,744	90	783	12,867	4,028	129	6	19	4,182
9.	Malda	66	6,104	6,636	2,503	2,751	29	509	5,792	73	96	..	1	170
10.	Midnapore	68	53,188	60,475	33,535	13,073	623	1,705	48,936	4,873	771	9	301	5,954
11.	Murshidabad	..	7,431	7,969	3,460	3,056	101	677	7,294	7	47	..	23	77
12.	Nadia	..	..	..	..	..	..	..	..	..	..	..	..	..
13.	North 24-Parganas	8	117	118	..	53	..	1	54	..	..	..	..	..
14.	Purulia	2,841	90,407	1,16,850	66,276	11,811	328	944	79,359	2,974	1,969	11	22	4,976
15.	South 24-Parganas	220	15,021	19,903	7,994	9,161	189	636	17,980	24	16	3	6	49
16.	West Dinajpore	..	17,727	20,614	4,413	7,797	110	2,363	14,683	27	81	..	31	139
	STATE TOTAL	**5,178**	**3,57,212**	**4,27,724**	**2,16,785**	**81,768**	**3,331**	**14,953**	**3,16,837**	**20,508**	**5,974**	**219**	**1,599**	**28,300**

MINOR IRRIGATION CENSUS IN A & N ISLAND (UT) FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF A & N ISLAND (UT) (SURFACE FLOW IRRI. SCHEMES)

STATE : A & N ISLAND (UT)

Sl. No.	Name of District	Yearwise No. of Surface Flow Irri. Schemes Commissioned During						No. of Schemes not in use	Categorywise No. of Irrigation Schemes in use				Number of Irrigation Schemes Owned by			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Storage	Permanent Diversion	Temporary Diversion	Total (10+11 +12)	Govern-ment	Public Organs.	Private Society	Total (14+15 +16)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Middle Andaman .	46	21	30	27	12	19	..	155	..	..	155	..	..	155	155
2.	North Andaman .	3	5	12	9	15	16	..	60	..	..	60	..	..	60	60
3.	South Andaman . .	121	10	28	21	23	14	..	217	..	..	217	..	..	217	217
	STATE TOTAL . . .	**170**	**36**	**70**	**57**	**50**	**49**	..	**432**	..	..	**432**	..	..	**432**	**432**

Sl. No.	Name of District	No. of Schemes with Dist. System	Culturable Command Area (in ha.)	Gross Irri. Pot. Created (in ha.)	Seasonwise Area Irrigated by Irri. Schemes (in ha.)					Seasonwise Area Irrigated by Other Sources (in ha.)				
					Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	18	19	20	21	22	23	24	25	26	27	28	29	30
1.	Middle Andaman .	..	..	93	..	93	..	..	93	..	..	..	..	..
2.	North Andaman .	..	..	36	..	36	..	..	36	..	..	..	..	..
3.	South Andaman .	..	..	131	..	131	..	..	131	..	..	..	..	..
	STATE TOTAL .	..	..	**260**	..	**260**	..	..	**260**	..	..	..	..	..

MINOR IRRIGATION CENSUS IN CHANDIGARH (UT) FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF CHANDIGARH (UT) (SURFACE FLOW IRRI. SCHEMES)

STATE : CHANDIGARH (UT)

Sl. No.	Name of District	Yearwise No. of Surface Flow Irri. Schemes Commissioned During						No. of Schemes not in use	Categorywise No. of Irrigation Schemes in use				Number of Irrigation Schemes Owned by			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Storage	Permanent Diversion	Temporary Diversion	Total (10+11 +12)	Govern-ment	Public Organs.	Private Society	Total (14+15 +16)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Chandigarh . .	4	..	..	..	..	..	..	..	4	..	4	3	1	..	4
	STATE TOTAL .	4	..	..	..	..	..	..	..	**4**	..	**4**	**3**	**1**	..	**4**

Sl. No.	Name of District	No. of Schemes with Dist. System	Culturable Command Area (in ha.)	Gross Irri. Pot. Created (in ha.)	Seasonwise Area Irrigated by Irri. Schemes (in ha.)					Seasonwise Area Irrigated by other Sources (in ha.)				
					Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	18	19	20	21	22	23	24	25	26	27	28	29	30
1.	Chandigarh . .	..	291	679	289	289	27	56	661	..	..	..	--	--
	STATE TOTAL .	..	**291**	**679**	**289**	**289**	**27**	**56**	**661**	..	..	..	--	--

MINOR IRRIGATION CENSUS IN DADRA NAGAR HAVELI FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF DADRA NAGAR HAVELI (SURFACE FLOW IRRI. SCHEMES)

STATE : DADRA NAGAR HAVELI

Sl. No.	Name of District	Yearwise No. of Surface Flow Irri. Schemes Commissioned During						No. of Schemes not in use	Categorywise No. of Irrigation Schemes in use				Number of Irrigation Schemes Owned by			
		Before 82-83	82-83	83-84	84-85	85-86	86-86		Storage	Permanent Diversion	Temporary Diversion	Total (10+11+12)	Government	Public Organs.	Private Society	Total (14+15+16)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Dadra Nagar Haveli	..	..	..	1	3	..	..	..	2	2	4	3	..	1	4
	STATE TOTAL	..	..	..	1	3	..	..	..	2	2	4	3	..	1	4

Sl. No.	Name of District	No. of Schemes with Dist. System	Culturable Command Area (in ha.)	Gross Irri. Pot. Created (in ha.)	Seasonwise Area Irrigated by Irri. Schemes (in ha.)					Seasonwise Area Irriagted by other Sources (in ha.)				
					Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	18	19	20	21	22	23	24	25	26	27	28	29	30
1.	Dadra Nagar Haveli	4	60	40	..	8	3	..	11	..	..	..	..	..
	STATE TOTAL	4	60	40	..	8	3	..	11	..	..	..	..	..

MINOR IRRIGATION CENSUS IN DELHI (UT) FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF DELHI (UT) (SURFACE FLOW IRRI. SCHEMES)

STATE : DELHI (UT)

Sl. No.	Name of District	Yearwise No. of Surface Flow Irri. Schemes Commissioned During						No .of Schemes not in use	Categorywise No. of Irrigation Schemes in use				No. of Irrigation Schemes Owned by			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Storage	Permanent Diversion	Temporary Diversion	Total (10+11 +12)	Govern-ment	Public Organs.	Private Society	Total (14+15 +16)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Delhi	..	..	..	1	..	..	..	..	..	..	..	2	..	..	2
	STATE TOTAL .	..	..	..	1	..	..	..	..	..	..	..	2	..	..	2

Sl. No.	Name of District	No. of Schemes with Dist. system	Culturable Command Area (in ha.)	Gross Irri. Pot. Created (in ha.)	Seasonwise Area Irrigated by Irri. Schemes (in ha.)					Seasonwise Area Irrigated by Other Sources (in ha.)				
					Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	18	19	20	21	22	23	24	25	26	27	28	29	30
1.	Delhi	2	1,362	788	1,256	1,362	..	..	2,618	..	..	..	..	..
	STATE TOTAL .	**2**	**1,362**	**788**	**1,256**	**1,362**	..	..	**2,618**	..	..	..	..	..

MINOR IRRIGATION CENSUS IN PONDICHERRY FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF PONDICHERRY (SURFACE FLOW IRRI. SCHEMES)

STATE : PONDICHERRY

Sl. No.	Name of District	Yearwise No. of Surface Flow Irri. Schemes Commissioned During						No. of Schemes not in use	Categorywise No. of Irrigation Schemes in use				Number of Irrigation Schemes Owned by			
		Before 82-83	82-83	83-84	84-85	85-86	86-87		Storage	Permanent Diversion	Temporary Diversion	Total (10+11 +12)	Govern-ment	Public Organs.	Private Society	Total (14+15 +16)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Pondicherry	581	86	..	..	..	..	..	618	38	..	656	662	..	..	662
	STATE TOTAL	**581**	**86**	..	..	..	..	..	**618**	**38**	..	**656**	**662**	..	..	**662**

Sl. No.	Name of District	No. of Schemes with Dist. System	Culturable Command Area (in ha.)	Gross Irri. Pot. Created (in ha.)	Seasonwise Area Irrigated by Irri. Schemes (in ha.)					Seasonwise Area Irrigated by Other Sources (in ha.)				
					Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	18	19	20	21	22	23	24	25	26	27	28	29	30
1.	Pondicherry	41	15,329	16,310	4,231	10,058	47	10	14,346	3,558	5,350	29	3	8,940
	STATE TOTAL	**41**	**15,329**	**16,310**	4,231	**10,058**	47	**10**	**14,346**	**3,558**	**5,350**	29	3	8,940

MINOR IRRIGATION CENSUS IN ANDHRA PRADESH FOR 1986-87

SCHEME B-5 DISTRICT LEVEL ABSTRACT OF ANDHRA PRADESH (SURFACE LIFT IRRI. SCHEMES)

STATE : ANDHRA PRADESH

Sl. No.	Name of District	Yearwise No. of surface lift Irri. Schemes Commissioned During						No. of Schemes not in Use	Sourcewise No. of Irrigation schemes In Use				Number of Irrigation Schemes owned by				No. of Schemes with lift. Device		
		Before 82-83	82-83	83-84	84-85	85-86	86-87		River	Drain Canal	Tank	Total (10+11+12)	Government	Public Organs.	Private Society	Total (14+15+16)	Electric Pump	Diesel pump	Total (18+19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Adilabad	370	61	104	66	60	33	112	454	109	19	582	34	152	508	694	450	78	528
2.	Anantapur	48	16	13	4	..	..	13	67	1	..	68	..	..	81	81	48	20	68
3.	Chittoor	56	4	6	4	9	..	..	78	..	1	79	..	1	78	79	22	57	79
4.	Cuddapah	398	5	3	1	..	2	280	111	18	..	129	87	73	249	409	107	17	124
5.	East Godavari	96	8	10	1	3	1	..	32	59	28	119	6	2	111	119	42	49	91
6.	Guntur	186	38	71	47	61	22	2	81	342	..	423	8	7	410	425	345	78	423
7.	Hyderabad	7	..	..	..	..	..	..	7	..	..	7	..	..	7	7	7	..	7
8.	Karimnagar	493	81	76	192	15	12	13	837	19	..	856	22	20	827	869	784	43	827
9.	Khammam	509	133	117	47	45	179	9	983	32	6	1021	5	17	1,008	1,030	649	324	973
10.	Krishna	409	32	52	50	22	16	6	151	423	1	575	41	12	528	581	382	193	575
11.	Kurnool	703	93	198	269	94	81	9	1,338	73	18	1,429	6	12	1,420	1,438	1,266	163	1,429
12.	Mahabubnagar	543	36	57	108	28	12	16	711	12	45	768	8	1	775	784	425	265	690
13.	Medak	932	178	248	168	57	11	5	1,550	39	..	1,589	1	2	1,591	1,594	1,472	102	1,574
14.	Nalgonda	226	48	78	152	69	39	6	563	29	14	606	43	6	563	612	562	43	605
15.	Nellore	1,152	78	88	74	37	63	6	913	340	233	1,486	113	3	1,376	1,492	1,036	356	1,392
16.	Nizamabad	1,488	310	288	99	56	27	17	2,235	3	13	2,251	44	3	2,221	2,268	2,147	90	2,237
17.	Prakasam	558	49	55	56	56	53	7	693	94	33	820	11	75	741	827	620	191	811
18.	Ranga Reddy	632	11	10	2	1	..	9	342	299	6	647	29	2	645	656	632	11	643
19.	Srikakulam	84	..	3	8	39	17	2	130	19	..	149	10	7	134	151	63	20	83
20.	Visakhapatnam	7	2	..	2	1	1	..	13	..	..	13	2	11	..	13	13	..	13
21.	Vizianagaram	72	..	4	1	1	6	5	77	..	2	79	2	10	72	84	64	15	79
22.	Warangal.	291	79	63	57	31	7	..	515	4	9	528	2	3	523	528	427	94	521
23.	West Godavari	248	24	25	22	6	5	..	214	112	4	330	19	1	310	330	65	265	330
	STATE TOTAL	**9,508**	**1,286**	**1,569**	**1,430**	**691**	**587**	**517**	**12,095**	**2,027**	**432**	**14,554**	**473**	**420**	**14,178**	**15,071**	**11,628**	**2,474**	**14,102**

MINOR IRRIGATION CENSUS IN ANDHRA PRADESH FOR 1986-87

SCHEDULE B-5 DISTRICT LEVEL ABSTRACT OF ANDHRA PRADESH (SURFACE LIFT IRRI. SCHEMES)—*Contd.*

STATE : ANDHRA PRADESH

Sl. No.	Name of District	Average No. of hours Elec. Avb. per day	No.of Schemes with Dist. system	Culturable Command Area (In HA.)	Gross Irri. Pot. Created (In HA.)	Seasonwise area irrigated by lift Irri. Schemes (In HA.)					Seasonwise area irrigated by other sources (In HA.)				
						Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1.	Adilabad	5	..	4,395	1,877	1,654	223	..	..	1,877	..	..	..	..	..
2.	Anantapur	8	..	227	187	122	55	7	..	184	..	..	..	..	..
3.	Chittoor	7	..	176	180	9	159	..	..	168	..	..	..	..	..
4.	Cuddapah	8	..	2,978	3,134	715	153	38	5	911	2	..	..	..	2
5.	East Godavari	12	6,500	6,500	6,226	5,156	..	348	556	6,060	..	..	..	..	..
6.	Guntur	7	1	8,190	7,292	5,762	473	79	5	6,319	..	..	..	..	..
7.	Hyderabad	3	..	11	13	4	3	3	..	10	..	..	..	..	..
8.	Karimnagar	8	..	3,226	4,585	2,397	1,793	33	18	4,241	2	..	..	..	2
9.	Khammam	7	..	4,800	5,074	3,413	1,257	..	..	4,670	4	..	..	..	4
10.	Krishna	12	..	16,741	15,872	9,642	2,155	149	33	11,979	89	..	..	..	89
11.	Kurnool	5	..	4,320	5,638	2,449	1,928	36	..	4,413	..	..	..	..	..
12.	Mahabubnagar	3	..	3,680	4,832	1,560	1,451	28	..	3,039	..	..	..	..	..
13.	Medak	6	..	3,315	3,990	2,291	904	222	170	3,587	4	..	..	..	4
14.	Nalgonda	8	..	13,057	11,472	8,572	2,176	85	..	10,833	53	..	..	..	53
15.	Nellore.	7	..	5,526	5,947	2,068	3,445	222	32	5,767	2	..	..	..	2
16.	Nizamabad	5	..	6,911	9,035	5,743	1,742	178	251	7914	..	..	..	..	..
17.	Prakasam	9	..	17,397	15,919	2,609	1,285	160	35	4,089	..	..	..	..	..
18.	Ranga Reddy	7	..	1,992	1,959	663	632	15	339	1,649	19	..	..	..	19
19.	Srikakulam	6	..	681	835	535	167	16	8	726	21	..	..	..	21
20.	Visakhapatanam	8	..	894	853	605	22	1	55	683	..	..	..	..	..
21.	Vizianagaram	6	..	1,077	865	502	124	9	5	640	..	..	..	..	..
22.	Warangal	8	..	1,548	1,858	1,151	494	17	..	1,662	..	..	..	..	..
23.	West Godavari	8	..	4,505	4,755	2,221	1,100	3	28	3,352	..	..	..	..	..
	STATE TOTAL	7	6,500	1,12,147	1,12,398	59,843	21,741	1,649	1,540	84,773	196	..	..	..	196

MINOR IRRIGATION CENSUS IN ARUNACHAL PRADESH FOR 1986-87

SCHEDULE B-3 DISTRICT LEVEL ABSTRACT OF ARUNACHAL PRADESH (SURFACE LIFT IRRI. SCHEMES)

STATE : ARUNACHAL PRADESH

Sl. No.	Name of District	Yearwise No. of Surface Lift Irri. Schemes commissioned during						No. of schemes not in use	Source wise No. of Irrigation Scheme in use				Number of Irrigation Schemes owned by				No. of Schms. with lift. Device		
		Before 82-83	82-83	83-84	84-85	85-86	86-87		River	Drain/ Canal	Tank	Total (10+11+12)	Govern-ment	Public organs,	Private Society	Total (14+15+16)	Electric Pump	Diesel Pump	Total (18+19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Changlang	1	..	1	..	..	..	1	1	..	..	1	2	..	..	2	..	..	..
2.	Dibang Valley	2	..	..	..	..	..	..	2	..	..	2	2	..	..	2	..	2	2
3.	East Kamang	2	..	..	..	1	1	1	3	..	..	3	4	..	..	4	..	4	4
4.	East Siang	..	—	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6	6
5.	Lohit	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6.	Lower Subansiri	1	..	..	..	..	..	1	..	..	..	..	1	..	..	1	..	1	1
7.	Tawang	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8.	Tirap	2	..	..	..	1	3	2	4	..	..	4	6	..	..	6	..	2	2
9.	Upper Subansiri	..	..	..	..	1	..	..	1	..	..	1	1	..	..	1	..	..	..
10.	West Kamang	..	..	..	..	..	2	1	1	..	..	1	2	..	..	2	..	1	1
11.	West Siang	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	STATE TOTAL	**8**	..	**1**	..	**3**	**6**	**6**	**12**	..	..	**12**	**18**	..	..	**18**	..	**16**	**16**

Sl. No.	Name of District	Average No. of Hours Elec. Avbl. per day	No. of Schemes with Dist. System	Culturable Command Area (in HA.)	Gross Irri. Pot. created (in HA.)	Seasonwise area irrigated by lift Irri. Schemes (in HA.)					Seasonwise area irrigated by other sources (in HA.)				
						Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1.	Changlang	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2.	Dibang valley	..	..	46	46	46	..	..	..	46	..	..	..	..	..
3.	East Kamang	..	3	89	89	84	..	..	..	84	..	..	..	..	..
4.	East Siang	..	2	43	43	21	..	..	..	21	..	..	..	..	..
5.	Lohit	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6.	Lower Subansiri	..	..	5	5	..	..	..	..	..	..	..	..	..	..
7.	Tawang	..	1	..	..	..	..	..	..	..	..	..	..	..	..
8.	Tirap	..	2	75	75	32	..	..	..	32	..	..	..	..	..
9.	Upper Subansiri	..	..	38	38	38	..	..	..	38	..	..	..	..	..
10.	West Kamang	..	..	12	12	60	20	..	..	80	..	..	..	..	..
11.	West Siang	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	STATE TOTAL	..	**8**	**308**	**308**	**281**	**20**	..	..	**301**	..	..	..	..	..

MINOR IRRIGATION CENSUS IN ASSAM FOR 1986-87

SCHEDULE B-5 DISTRICT LEVEL ABSTRACT OF ASSAM (SURFACE LIFT IRRI. SCHEMES)

STATE : ASSAM

Sl. No.	Name of District	Yearwise No. of Surface Lift Irri. Schemes commissioned during						No. of Schemes not in use	Sourcewise No. of Irrigation Schemes in use				Number of Irrigation schemes Owned by				No. of Schms. with lift. Device		
		Before 82-83	82-83	83-84	84-85	85-86	86-87		River	Drain/ Canal	Tank	Total (10+11 +12)	Govern-ment	Public Organs.	Private Society	Total (14+15 +16)	Electric Pump	Diesel Pump	Total (18+19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Barpeta	58	36	2	1	2	1	33	66	1	..	67	99	..	1	100	99	1	100
2.	Cachar	45	4	6	8	17	8	15	56	7	10	73	73	..	15	88	71	17	88
3.	Debrugarh	36	29	63	86	73	112	46	35	166	152	353	35	47	317	399	35	364	399
4.	Dhubri	62	25	39	23	21	91	53	111	56	41	208	91	..	170	261	58	203	261
5.	Goalpara	13	11	..	6	77	66	..	53	115	5	173	48	2	123	173	23	150	173
6.	Golaghat	22	25	88	83	69	128	4	46	136	229	411	23	..	392	415	23	392	415
7.	Kamrup	66	6	36	2	24	77	6	108	87	10	205	68	..	143	211	68	143	211
8.	Karbi Anglong	49	20	4	1	..	5	..	61	16	2	79	16	..	63	79	13	66	79
9.	Karimganj	12	9	6	..	4	..	..	31	..	..	31	31	..	..	31	31	..	31
10.	Kokrajhar	81	1	1	2	..	1	1	85	..	..	85	86	...	..	86	86	..	86
11.	Lakhimpur	...	1	..	2	5	7	..	15	..	..	15	15	..	..	15	..	15	15
12.	N.C. Hills	5	2	..	..	..	..	..	7	..	..	7	5	2	..	7	5	2	7
13.	Nagaon	91	10	2	9	3	36	1	119	31	..	150	134	..	17	151	134	17	151
14.	Nalbari	33	4	..	..	1	4	4	26	6	6	38	36	..	6	42	42	34	76
15.	Sibsagar	142	17	27	27	8	57	..	66	212	..	278	59	..	219	278	73	205	278
16.	Sonitpur	23	..	..	..	..	..	..	19	4	..	23	23	..	..	23	23	..	23
	STATE TOTAL	738	200	274	250	304	593	163	904	837	455	2196	842	51	1466	2359	784	1609	2393

MINOR IRRIGATION CENSUS IN ASSAM FOR 1986-87

SCHEDULE B-4 DISTRICT LEVEL ABSTRACT OF ASSAM (SURFACE LIFT IRRI. SCHEMES)—*Contd.*

STATE : ASSAM

Sl. No.	Name of District	Average No. of Hours Elec.Avbl. per day	No. of Schemes with Dist. System	Culturable Command Area (In HA.)	Gross Irri.Pot. Created (In HA.)	Seasonwise area irrigated by lift Irri. Schemes (In HA.)					Seasonwise area irrigated by other sources (In HA.)				
						Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1.	Barpeta	..	..	8,354	10,166	2,389	804	103	130	3,426	..	..	..	..	..
2.	Cachar	..	..	3,040	3,508	1,769	299	100	262	2,430	..	..	..	..	..
3.	Debrugarh	..	..	4,886	5,879	2,008	810	77	..	2,895	..	..	..	..	..
4.	Dhubri	..	..	8,236	9,730	1,436	1,689	4	33	3,162	..	..	..	..	..
5.	Goalpara	..	..	3,146	3,649	2,380	438	11	5	2,834	..	..	..	..	..
6.	Golaghat	..	..	4,673	6,335	3,206	785	21	44	4,056	..	..	..	..	..
7.	Kamrup	..	..	3,391	6,951	2,024	1,852	..	64	3,940	..	..	..	..	..
8.	Karbi Anglong	..	..	3,090	3,283	1,767	1,079	4	45	2,895	..	..	..	..	..
9.	Karimganj	..	..	1,666	2,834	663	310	23	39	1,035	..	..	..	..	..
10.	Kokrajhar	..	..	4,831	5,773	1,911	384	13	14	2,322	..	..	..	..	..
11.	Lakhimpur	..	..	2,249	2,587	1,550	568	..	40	2,158	..	..	..	..	..
12.	N.C. Hills	..	..	639	639	636	1	..	..	637	..	..	..	..	..
13.	Nagaon	..	..	10,404	13,508	4,677	5,056	..	250	9,983	..	..	..	..	..
14.	Nalbari	..	..	2,936	3,459	1,885	708	1	155	2,749	..	..	..	..	..
15.	Sibsagar	..	..	7,651	8,995	3,640	1,431	13	46	5,130	..	..	..	..	..
16.	Sonitpur	..	..	2,936	3,626	2,010	514	..	..	2,524	..	..	..	..	..
	STATE TOTAL	..	..	**72,128**	**90,922**	**33,951**	**16,728**	**370**	**1,127**	**52,176**	..	..	..	..	..

MINOR IRRIGATION CENSUS IN BIHAR FOR 1986-87

SCHEDULE B-5 DISTRICT LEVEL ABSTRACT OF BIHAR (SURFACE LIFT IRRI. SCHEMES)

STATE : BIHAR

Sl. No.	Name of District	Yearwise No. of Surface Lift Irri. Schemes Commissiond during						No. of Schemes Not in Use	Source wise No. of Irrigation Schemes in use				Number of Irrigation Schemes owned by				No. of Schms. with lift. Device		
		Before 82-83	82-83	83-84	84-85	85-86	86-87		River	Drain/ Canal	Tank	Total (10+11 +12)	Govern- nent	Public Organs.	Private Society	Total (14+15 +16)	Electric Pump	Diesel Pump	Total (18+19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Araria	3	..	..	..	..	12	2	15	..	..	15	3	..	12	15	3	12	15
2.	Aurangabad	161	23	1	5	6	3	8	46	107	46	199	123	22	54	199	33	166	199
3.	Begusarai	15	5	1	6	12	17	24	53	..	3	56	51	1	4	56	33	23	56
4.	Bhagalpur	331	25	13	9	5	17	8	93	181	126	400	371	15	14	400	21	379	400
5.	Bhojpur	75	25	..	3	18	31	11	96	34	22	152	120	..	32	152	37	115	152
6.	Darbhanga	23	1	4	2	1	..	18	28	2	1	31	29	..	2	31	30	1	31
7.	Deoghar	37	1	2	3	2	3	4	33	9	6	48	32	..	16	48	15	33	48
8.	Dhanbad	35	7	4	5	1	..	13	17	12	23	52	34	..	17	51	25	27	52
9.	Dumka	74	4	2	2	..	1	31	60	22	1	83	50	..	33	83	61	22	83
10.	East Champaran	83	4	4	1	..	..	31	43	40	9	92	81	2	9	92	21	71	92
11.	East Singhbhum	56	17	2	21	9	7	9	44	43	25	112	52	1	59	112	43	69	112
12.	Gaya	453	..	..	..	1	..	..	32	222	200	454	288	116	50	454	261	192	453
13.	Giridih	13	8	2	6	4	3	7	21	2	23	46	30	2	14	46	20	26	46
14.	Godda	23	2	1	1	2	..	9	16	7	6	29	19	8	2	29	19	10	29
15.	Gopalganj	1	..	..	..	1	..	4	2	..	..	2	2	..	..	2	2	..	2
16.	Gumla	87	21	17	6	11	6	11	124	17	7	148	32	1	115	148	22	126	148
17.	Hazaribagh	146	20	26	10	3	4	22	63	7	139	209	146	8	55	209	42	167	209
18.	Jahanabad	157	..	..	..	..	..	50	28	73	56	157	114	20	23	157	44	113	157
19.	Katihar	..	5	5	3	..	15	7	26	..	2	28	9	1	18	28	9	19	28
20.	Khagaria	12	..	..	..	..	..	12	12	..	..	12	12	..	..	12	12	..	12
21.	Kishanganj	1	1	..	..	..	..	..	2	...	..	2	2	..	..	2	2	..	2
22.	Lohardaga	10	9	4	2	1	..	2	17	5	4	26	24	..	2	26	24	2	26
23.	Madhepura	4	..	1	2	..	1	8	7	...	1	8	7	...	1	8	7	1	8
24.	Madhubani	122	..	..	4	1	..	14	15	31	81	127	109	7	11	127	20	107	127
25.	Munger	200	10	3	8	5	5	7	72	79	80	231	190	22	19	231	67	164	231
26.	Muzaffarpur	27	5	2	..	2	2	12	21	6	11	38	31	2	5	38	30	8	38
27.	Nalanda	69	..	..	..	..	..	9	9	15	45	69	57	10	2	69	..	69	69
28.	Nawadah	45	31	..	..	..	..	18	25	6	45	76	69	3	4	76	13	63	76
29.	Palamu	488	25	19	6	16	22	49	128	175	273	576	481	7	88	576	289	287	576

30.	Patna	149	5	..	..	4	1	5	78	38	43	159	101	12	46	159	45	114	159
31.	Purnea	10	1	6	..	..	2	13	18	1	..	19	19	..	..	19	19	..	19
32.	Ranchi	61	6	4	2	3	2	..	37	10	31	78	57	2	19	78	35	43	78
33.	Rohtas	115	12	5	9	19	6	82	121	15	30	166	117	..	49	166	74	92	166
34.	Saharsa	4	1	5	..	..	..	5	10	..	..	10	10	..	..	10	6	4	10
35.	Sahebganj	334	28	20	22	6	2	56	73	84	255	412	338	8	66	412	24	388	412
36.	Samistipur	36	5	..	1	2	2	1	41	1	4	46	41	..	5	46	33	13	46
37.	Saran	81	8	6	13	3	8	4	7	29	83	119	32	3	84	119	30	89	119
38.	Sitamarhi	38	3	1	18	2	..	6	54	1	7	62	56	..	6	62	50	12	62
39.	Siwan	18	..	..	..	3	1	..	16	5	1	22	22	..	..	22	22	..	22
40.	Vaishali	13	4	5	2	4	10	37	34	3	1	38	31	..	7	38	18	20	38
41.	West Champaran	27	4	5	3	1	3	11	30	8	5	43	32	10	1	43	33	10	43
42.	West Singhbhum	81	8	1	2	6	5	53	46	22	35	103	86	3	14	103	35	68	103
	STATE TOTAL	**3,718**	**334**	**171**	**177**	**154**	**191**	**673**	**1,713**	**1,312**	**1,730**	**4,755**	**3,510**	**286**	**958**	**4,754**	**1,629**	**3,125**	**4,754**

4755
673
5428

MINOR IRRIGATION CENSUS IN BIHAR FOR 1986-87

SCHEDULE B-5 DISTRICT LEVEL ABSTRACT OF BIHAR (SURFACE LIFT IRRI. SCHEMES—*Contd.*)

STATE : BIHAR

Sl. No.	Name of District	Average No. of Hours Elec. Avbl. Per day	No. of Schemes with Dist. System	Culturable Command Area (In HA.)	Gross Irri. Pot. Created (In HA.)	Seasonwise area irrigated by lift Irri. Schemes (In HA.)					Seasonwise area irrigated by other sources (In HA.)				
						Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1.	Araria	4	..	120	120	40	63	..	..	103	..	..	..	..	..
2.	Aurangabad	5	..	10,008	8,963	7,054	2,213	91	398	9,756	3,325	587	33	751	4,696
3.	Begusarai	3	..	2,489	3,120	116	478	78	43	715	22	135	95	35	287
4.	Bhagalpur	4	..	24,856	23,866	19,001	6,175	123	776	26,075	6,927	2,684	62	396	10,069
5.	Bhojpur	4	..	4,229	5,242	1,924	1,096	31	10	3,061	773	620	210	224	1,827
6.	Darbhanga	3	..	1,210	1,246	607	785	56	36	1,484	65	112	16	19	212
7.	Deoghar	4	90	957	1,100	464	230	21	12	727	19	9	..	..	28
8.	Dhanbad	10	..	1,052	693	419	75	6	2	502	..	..	..	..	..
9.	Dumka	7	..	3,943	3,474	1,862	790	321	272	3,245	1,279	506	240	663	2,688
10.	East Champaran	8	..	2,587	2,795	1,108	1,070	126	280	2,584	1,937	1,555	154	527	4,173
11.	East Singhbhum	8	..	3,339	2,403	1,429	663	1,141	41	3,274	130	29	3	..	162
12.	Gaya	2	..	13,077	21,972	12,187	1,256	136	425	14,004	307	229	23	94	653
13.	Giridih	6	..	1,320	1,183	846	327	32	2	1,207	139	87	8	1	235
14.	Godda	6	..	1,170	1,141	514	214	13	13	754	..	..	..	..	..
15.	Gopalganj	4	..	100	200	30	100	..	..	130	24	50	..	..	74
16.	Gumla	8	..	2,834	2,752	386	913	930	30	1,459	..	..	..	..	..
17.	Hazaribagh	8	..	3,450	3,218	1,593	947	35	13	2,588	153	73	..	6	232
18.	Jahanabad	5	..	11,809	9,969	5,611	2,733	195	220	8,759	684	17	..	..	701
19.	Katihar	5	..	1,656	1,510	485	481	170	181	1,317	..	..	..	..	..
20.	Khagaria	3	..	890	1,150	94	144	..	72	310	..	..	..	..	..
21.	Kishanganj	8	..	160	160	..	15	..	7	22	..	..	..	..	..
22.	Lohardaga	5	..	1,793	1,872	323	443	9	5	789	..	256	..	..	256
23.	Madhepura	6	..	491	687	230	194	..	2	426	47	33	..	..	80
24.	Madhubani	1	..	7,034	7,034	3,526	1,262	37	244	5,069	889	327	9	39	1,264
25.	Munger	2	..	5,769	7,494	3,955	1,242	52	35	5,284	835	201	..	8	1,044
26.	Muzaffarpur	9	..	1,513	2,093	202	650	137	174	1,163	19	34	1	1	55
27.	Nalanda	..	..	1,588	1,397	891	190	10	10	1,101	53	6	..	..	59
28.	Nawadah	4	..	5,246	5,843	2,989	1,342	152	173	4,656	1,525	845	..	..	2,370
29.	Palamau	4	..	11,810	9,843	3,812	1,487	1,819	1843	8,961	202	142	60	14	418

30. Patna	5	..	12,400	15,840	10,395	4,563	406	308	15,672	1,710	1,599	84	70	3,463
31. Purnea	5	..	238	238	40	69	..	..	109	..	..	..	..	..
32. Ranchi	14	..	3,318	2,610	483	736	91	51	1,361	120	21	8	2	151
33. Rohtas	6	..	2,285	2,501	925	759	83	6	1,773	356	249	..	10	615
34. Saharsa	6	..	1,436	1,655	23	370	2	41	436	72	146	..	..	218
35. Sahebganj	3	..	3,021	2,988	1,728	1,121	116	56	3,021	108	59	3	..	170
36. Samistipur	4	..	2,547	1,712	275	900	38	33	1,246	32	115	15	9	171
37. Saran	4	..	949	908	214	524	38	4	780	90	151	7	12	260
38. Sitamarhi	6	..	1,197	924	374	237	115	45	771	60	122	17	15	214
39. Siwan	5	..	1,733	2,403	293	952	..	..	1,245	58	741	..	..	799
40. Vaishali	7	..	1,146	990	494	592	402	372	1,860	..	..	..	..	..
41. West Champaran	11	..	5,010	4,892	2,673	1,259	271	738	4,941	280	55	..	7	342
42. West Singhbhum	8	..	7,079	3,743	2,444	655	68	7	3,174	198	46	9	18	271
STATE TOTAL	**5**	**90**	**1,68,909**	**1,73,994**	**92,059**	**40,315**	**6,551**	**6,980**	**1,45,905**	**22,438**	**11,841**	**1,057**	**2,921**	**38,257**

MINOR IRRIGATION CENSUS IN GOA FOR 1986-87

SCHEDULE B-5 DISTRICT LEVEL ABSTRACT OF GOA (SURFACE LIFT IRRI. SCHEMES)

STATE : GOA

Sl. No.	Name of District	Yearwise No. of Surface Lift Irri. Schemes Commissioned during						No. of Schemes not in use	Source wise No. of Irrigation Schemes in use				Number of Irrigation Schemes owned by				No. of Schms. with Lift Device		
		Before 82-83	82-83	83-84	84-85	85-86	86-87		River	Drain/ Canal	Tank	Total (10+11+ +12)	Govern-ment	Public Organs.	Private Society	Total (14 +16)	Electric Pump	Diesel Pump	Total (18+ 19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	North Goa . .	166	39	35	18	21	20	5	215	22	57	294	40	23	236	299	205	62	267
2.	South Goa . .	260	29	25	15	13	8	8	307	10	25	342	12	..	338	350	246	56	302
	STATE TOTAL .	**426**	**68**	**60**	**33**	**34**	**28**	**13**	**522**	**32**	**82**	**636**	**52**	**23**	**574**	**649**	**451**	**118**	**569**

Sl. No.	Name of District	Average No. of Hours Elec. Avbl. per day	No. of Schemes with Dist. system	Culturable Command area (IN HA)	Gross Irri. Pot. Created (IN HA.)	Seasonwise area irrigated by Lift Irri. Schemes (In HA.)					Seasonwise area irrigated by other sources (In HA.)				
						Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1.	North Goa . .	..	108	1,742	1,828	..	122	814	35	971	..	1	..	..	1
2.	South Goa . .	53	178	1,841	1,872	..	132	840	442	1,414	..	..	..	..	..
	STATE TOTAL .	**26**	**286**	**3,583**	**3,700**	**..**	**254**	**1,654**	**477**	**2,385**	**..**	**1**	**..**	**..**	**1**

MINOR IRRIGATION CENSUS IN GUJARAT FOR 1986-87

SCHEDULE B-5 DISTRICT LEVEL ABSTRACT OF GUJARAT (SURFACE LIFT IRRI. SCHEMES)

STATE : GUJARAT

Sl. No.	Name of District	Yearwise No. of Surface Lift Irri. Schemes Commissioned During						No. of Schemes not in use	Sourcewise No. of Irrigation Sch emes in use				Number of Irrigation Schemes owned by				No. of Schms. with Lift. Device		
		Before 82-83	82-83	83-84	84-85	85-86	86-87		River	Drain/ Canal	Tank	Total (10+11 +12)	Govern- ment	Public Organs.	Private Society	Total (14+15 +16)	Electric Pump	Diesel Pump	Total (18+19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Ahmedabad	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2.	Amreli	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Banaskantha	..	..	..	..	..	..	..	..	..	—	..	..	..	..	..	..	..	..
4.	Baruch	196	4	19	6	18	30	12	219	42	..	261	19	19	235	273	135	126	261
5.	Bhavnagar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6.	Dang	15	2	1	5	7	21	11	40	..	..	40	19	2	30	51	2	38	40
7.	Gandhinagar	..	..	..	..	..	..	..	..	..	..	..	—	..	..	..	..	..	..
8.	Jamnagar	..	..	..	..	..	..	..	..	..	..	—	—	—	..	..	..	..	..
9.	Junagadh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10.	Kachchh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11.	Kheda	27	1	2	..	..	3	9	24	..	..	24	..	1	32	33	20	4	24
12.	Mehsana	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
13.	Panchmahal	32	5	9	8	19	19	73	12	..	7	19	85	7	..	92	8	11	19
14.	Rajkot	2	..	..	..	..	..	2	..	..	..	—	2	..	..	2	..	..	..
15.	Sabarkantha	112	4	2	3	6	5	108	16	6	2	24	1	5	126	132	23	1	24
16.	Surat	240	34	14	21	124	107	21	386	111	22	519	16	44	480	540	312	207	519
17.	Surendranagar	2	..	..	—	..	..	2	..	..	..	—	2	..	..	2	..	..	..
18.	Vadodara	51	2	—	3	2	2	24	23	3	..	26	11	32	17	60	17	9	26
19.	Valsad	167	56	10	49	23	7	26	262	8	16	286	22	23	267	312	215	71	286
	STATE TOTAL	844	108	57	95	199	194	298	982	170	47	1,199	177	133	1,187	1,497	732	467	1,199

MINOR IRRIGATION CENSUS IN GUJARAT FOR 1986-87

SCHEDULE B-5 DISTRICT LEVEL ABSTRACT OF GUJARAT (SURFACE LIFT IRRI. SCHEMES)—*Contd.*

STATE : GUJARAT

Sl. No.	Name of District	Average No. of Hours Elec.Avbl. per day	No. of Schemes with Dist. System	Culturable Command Area (In HA.)	Gross Irri. Pot. Created (In HA.)	Seasonwise area irrigated by lift Irri. Schemes (In HA.)					Seasonwise area irrigated by other sources (In HA.)				
						Kharif	Rabi	Perennial	Others	Total (25 to 28)	Kharif	Rabi	Perennial	Others	Total (30 to 33)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1.	Ahmedabad	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2.	Amreli	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Banaskantha	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4.	Baruch	11	273	5,534	6,122	1,286	1,043	189	467	2,985	..	2	1	..	3
5.	Bhavnagar	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6.	Dang	16	51	650	650	36	39	..	9	84	..	..	..	..	..
7.	Gandhinagar	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8.	Jamnagar	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9.	Junagadh	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10.	Kachchh	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11.	Kheda	11	24	345	345	94	80	14	26	214	..	..	..	..	..
12.	Mehsana	..	..	..	..	..	..	..	..	..	..	..	..	..	..
13.	Panchmahal	..	92	9,903	11,968	..	972	..	..	972	..	..	..	..	..
14.	Rajkot	..	2	920	920	..	..	..	..	..	..	..	..	..	..
15.	Sabarkantha	9	1	3,132	3,587	117	189	..	29	335	..	..	..	..	..
16.	Surat	10	..	2,985	3,457	487	206	1,100	94	1,887	..	..	..	..	..
17.	Surendranagar	..	..	30	30	..	..	..	..	..	..	..	..	..	..
18.	Vadodara	7	6	2,126	2,427	224	335	81	239	879	..	..	..	..	..
19.	Valsad	7	2	2,057	2,102	492	212	268	141	1,113	..	..	..	..	..
	STATE TOTAL	4	451	27,682	31,608	2,736	3,076	1,652	1,005	8,469	..	2	1	..	3

MINOR IRRIGATION CENSUS IN HARYANA FOR 1986-87

SCHEDULE B-5 DISTRICT LEVEL ABSTRACT OF HARYANA (SURFACE LIFT IRRI. SCHEMES)

STATE : HARYANA

Sl. No.	Name of District	Yearwise No. of Surface Lift Irri. Schemes Commissioned during						No. of Schemes not in use	Source wise No. of irrigation Schemes in Use				Number of Irrigation Schemes owned by				No. of Schemes with Lift Device		
		Befoze 82-83	82-83	83-84	84-85	85-86	86-87		River	Drain/ Canal	Tank	Total (10+11 +12)	Govern-ment	Public Organs.	Privatel Society	Total (14+15 +16)	Electric Pump	Diesel Pump	Total (18+19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Ambala	2	..	..	..	..	..	..	2	..	..	2	2	..	..	2	2	..	2
2.	Bhiwani	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Faridabad	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4.	Gurgaon	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5.	Hisar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6.	Jind	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7.	Karnal	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8.	Kurukshetra	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9.	M/Garh	36	..	..	..	..	..	..	..	36	..	36	36	..	..	36	36	..	36
10.	Rohtak	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11.	Sirsa	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
12.	Sonipat	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	STATE TOTAL	**38**	..	..	..	..	..	..	**2**	**36**	..	**38**	**38**	..	..	**38**	**38**	..	**38**

Sl. No.	Name of District	Average No. of Hours Elec. Avbl. Per day	No. of Schemes with Dist. System	Culturable Command Area (In HA.)	Gross Irri. Pot. Created (In HA.)	Seasonwise area irrigated by Lift Irri. Schemes (In HA.)					Seasonwise area irrigated by other sources (In HA.)				
						Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1.	Ambala	10	2	84	92	17	75	..	..	92	..	..	..	..	..
2.	Bhiwani	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Faridabad	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4.	Gurgaon	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5.	Hisar	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6.	Jind	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7.	Karnal	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8.	Kurukshetra	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9.	M/Garh	8	36	1,873	2,809	1535	4,326	..	..	5861	..	..	..	..	..
10.	Rohtak	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11.	Sirsa	..	..	..	..	..	..	..	..	..	..	..	..	..	..
12.	Sonipat	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	STATE TOTAL	**2**	**38**	**1,957**	**2,901**	**1,552**	**4,401**	..	..	**5,953**	..	..	..	..	..

MINOR IRRIGATION CENSUS IN HIMACHAL PRADESH FOR 1986-87

SCHEDULE B-5 DISTRICT LEVEL ABSTRACT OF HIMACHAL PRADESH (SURFACE LIFT IRRI. SCHEMES)

STATE : HIMACHAL PRADESH

Sl. No.	Name of District	Yearwise No. of Surface lift Irri. Schemes Commissioned during						No. of Schemes not in use	Sourcewise No. of Irrigation Schemes in use				Number of Irrigation Schemes owned by				No. of Schemes with lift Device		
		Before 82-83	82-83	83-84	84-85	85-86	86-87		River	Drain/ canal	Tank	Total (10+11 +12)	Gover- nment	Public organs.	Private society	Total (14+15 +16)	Electric Pump	Diesel Pump	Total (18+19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Bilaspur	151	4	13	12	11	7	17	72	104	5	181	52	..	146	198	132	66	198
2.	Chamba	6	1	3	..	..	..	1	9	..	..	9	10	..	..	10	9	1	10
3.	Hamirpur	53	..	3	3	3	9	1	43	27	..	70	40	..	31	71	61	10	71
4.	Kangra	12	..	..	..	..	..	1	11	..	..	11	12	..	..	12	12	..	12
5.	Kinnaur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6.	Kullu	7	1	1	..	1	1	1	10	..	..	10	10	..	1	11	9	2	11
7.	Lahul Spiti	1	..	2	..	..	..	1	11	1	..	2	3	..	..	3	..	3	3
8.	Mandi	8	..	..	2	5	2	3	11	3	..	14	15	2	..	17	17	..	17
9.	Shimla	2	..	3	1	..	3	1	6	1	1	8	8	..	1	9	7	2	9
10.	Sirmaur	50	..	2	2	2	2	2	53	2	1	56	37	1	20	58	49	9	58
11.	Solan	23	6	3	5	3	11	1	34	14	2	50	33	1	17	51	35	16	51
12.	Una	37	..	7	1	..	4	..	39	5	5	49	23	..	26	49	28	21	49
	STATE TOTAL	350	12	37	26	25	39	29	289	157	14	460	243	4	242	489	359	130	489

MINOR IRRIGATION CENSUS IN HIMACHAL PRADESH FOR 1986-87

SCHEDULE B-5 DISTRICT LEVEL ABSTRACT OF HIMACHAL PRADESH (SURFACE LIFT IRRI. SCHEMES—*Contd.*)

STATE : HIMACHAL PRADESH

Sl. No.	Name of District	Average No. of Hours Elec. Avbl. Per Day	No. of Schemes with Dist. System	Culturable Command Area (In HA.)	Gross Irri. Pot. Created (In HA.)	Seasonwise area irrigated by lift Irri. Schemes (In HA.)					Seasonwise area irrigated by other sources (In HA.)				
						Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1.	Bilaspur	13	198	1,517	2,317	552	763	1	13	1,329	2	1	..	..	3
2.	Chamba	16	10	157	226	88	59	1	..	148	..	..	..	..	..
3.	Hamirpur	10	42	950	1,857	412	436	3	3	854	..	..	..	..	..
4.	Kangra	12	12	156	307	143	144	9	..	296	..	..	..	..	..
5.	Kinnaur	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6.	Kullu	8	11	208	245	45	57	47	..	149	..	..	..	..	..
7.	Lahul Spiti	13	3	34	34	4	30	..	..	34	..	..	..	..	..
8.	Mandi	13	17	288	351	84	92	..	..	176	..	..	..	..	..
9.	Shimla	10	9	118	243	91	40	33	..	164	..	..	..	..	..
10.	Sirmaur	14	54	1,364	2,385	891	896	70	14	1,871	11	11	..	..	22
11.	Solan	7	51	371	629	277	260	4	14	555	..	..	..	..	..
12.	Una	2	..	1,713	2,754	46	587	25	20	678	..	..	..	..	..
	STATE TOTAL	**10**	**407**	**6,876**	**11,350**	**2,633**	**3,364**	**193**	**64**	**6,254**	**13**	**12**	**..**	**..**	**25**

MINOR IRRIGATION CENSUS IN JAMMU & KASHMIR FOR 1986-87

SCHEDULE B-5 DISTRICT LEVEL ABSTRACT OF JAMMU & KASHMIR (SURFACE LIFT IRRI. SCHEMES)

STATE : JAMMU & KASHMIR

Sl. No.	Name of District	Yearwise No. of Surface Lift Irri. Schemes Commissioned During						No. of Schemes Not in Use	Sourcewise No. of Irrigation Schemes in use				Number of Irrigation Schemes owned by				No. of Schemes with Lift. Device		
		Before 82-83	82-83	83-84	84-85	85-86	86-87		River	Drain/ Canal	Tank	Total (10+11 +12)	Govern- ment	Public organs.	Private Society	Total (14+15 +16)	Electric Pump	Diesel Pump	Total (18+19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Anantnag	8	1	1	1	1	..	..	3	5	4	12	11	1	..	12	12	..	12
2.	Baramulla	92	4	1	4	4	1	20	29	22	35	86	94	6	6	106	95	11	106
3.	Budgam	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4.	Doda	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5.	Jammu	24	3	4	1	2	3	..	6	29	2	37	31	..	6	37	34	3	37
6.	Kargil	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7.	Kathua	5	1	2	2	..	1	..	4	7	..	11	4	..	7	11	8	3	11
8.	Kupwara	3	..	1	..	..	2	..	1	2	3	6	4	2	..	6	3	3	6
9.	Leh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10.	Poonch	..	..	..	..	..	1	..	1	..	..	1	1	..	..	1	..	1	1
11.	Pulwama	11	3	2	..	1	..	..	13	4	..	17	17	..	..	17	17	..	17
12.	Rajouri	32	..	4	3	1	1	..	18	23	..	41	6	9	26	41	16	25	41
13.	Srinagar	44	..	..	..	4	..	..	17	32	..	49	38	..	11	49	49	..	49
14.	Udhampur	5	1	1	..	1	..	..	..	8	..	8	8	..	..	8	8	..	8
	STATE TOTAL	**224**	**13**	**16**	**11**	**14**	**9**	**20**	**92**	**132**	**44**	**268**	**214**	**18**	**56**	**288**	**242**	**46**	**288**

MINOR IRRIGATION CENSUS IN JAMMU & KASHMIR FOR 1986-87

SCHEDULE B-5 DISTRICT LEVEL ABSTRACT OF JAMMU & KASHMIR (SURFACE LIFT IRRI. SCHEMES)—*Contd.*

STATE : JAMMU & KASHMIR

Sl. No.	Name of District	Average No. of Hours Elec. Avbl. per day	No. of Schemes with Dist. System	Culturable Command Area (In HA.)	Gross Irri. Pot. Created (In HA.)	Seasonwise area Irrigated by lift Irri. Schemes (In HA.)					Seasonwise area irrigated by other Sources (In HA.)				
						Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1.	Anantnag	..	4	2,650	2,868	1,191	944	..	..	2,135	..	..	..	..	..
2.	Baramulla	..	106	17,280	17,833	17,037	1,073	..	..	18,110	..	..	..	..	..
3.	Budgam	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4.	Doda	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5.	Jammu	..	37	1,305	1,624	811	662	..	..	1,473	..	..	..	..	..
6.	Kargil	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7.	Kathua	..	11	390	402	122	97	..	..	219	156	135	..	..	291
8.	Kupwara	..	..	1,004	32	1,004	32	..	..	1,036	865	588	..	..	1,453
9.	Leh	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10.	Poonch	..	..	..	3	3	..	..	..	3	..	..	..	..	..
11.	Pulwama	..	..	4,220	4,320	3,340	699	12	..	4,051	980	245	..	..	1,225
12.	Rajouri	..	5	364	186	153	17	405	..	575	..	..	..	..	..
13.	Srinagar	..	49	2,404	2,816	2,308	508	..	..	2,816	..	..	..	..	..
14.	Udhampur	..	8	302	303	54	25	..	..	79	..	..	..	..	..
	STATE TOTAL	..	**220**	**29,919**	**30,387**	**26,023**	**4,057**	**417**	..	**30,497**	**2,001**	**968**	..	..	**2,969**

MINOR IRRIGATION CENSUS IN KARNATAKA FOR 1986-87

SCHEDULE B-5 DISTRICT LEVEL ABSTRACT OF KARNATAKA (SURFACE LIFT IRRI. SCHEMES)

STATE : KARNATAKA

Sl. No.	Name of District	Yearwise No. of Surface Lift Irri. Schemes Commissioned During						No. of Schemes not in use	Sourcewise No. of Irrigation Schemes in use				Number of Irrigation Schemes owned by				No. of Schems with Lift. Device		
		Before 82-83	82-83	83-84	84-85	85-86	86-87		River	Drain/ Canal	Tank	Total (10+11 +12)	Govern-ment	Public organs.	Private Society	Total (14+15 +16)	Electric Pump	Diesel Pump	Tota (18+19
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Banglore (R)	306	59	27	91	24	12	5	445	67	2	514	12	471	36	519	432	86	518
2.	Banglore (U)	11	..	2	..	1	..	..	13	..	1	14	5	9	..	14	14	..	14
3.	Belgaum	4,219	589	677	711	840	613	126	7,124	223	176	7,523	27	7,270	352	7,649	6,902	747	7,649
4.	Bellary	891	166	249	198	139	122	13	1,428	207	117	1,752	52	1,710	3	1,765	1,634	25	1659
5.	Bidar	169	9	30	32	49	44	18	315	..	..	315	11	322	..	333	327	6	333
6.	Bijapur	3,135	400	544	739	883	1,931	84	7,505	45	..	7,550	32	7,432	170	7,634	7,369	14	7,383
7.	Chickmagalur	233	29	65	86	84	53	21	336	46	147	529	4	520	26	550	352	194	546
8.	Chitradurga	480	335	92	88	44	53	27	1,006	58	1	1,065	65	1,027	..	1,092	1,060	32	1,092
9.	D. Kannada	1,570	233	187	109	47	34	..	1,972	59	149	2,180	14	2,128	38	2,180	1,038	1,130	2,168
10.	Dharwad	2,019	365	254	335	267	233	17	3,393	18	45	3,456	28	3,335	110	3,473	3,427	46	3,473
11.	Gulbarga	503	29	65	108	172	203	95	872	94	19	985	33	1,046	1	1,080	874	175	1,049
12.	Hassan	62	..	..	1	17	2	13	56	13	..	69	42	40	..	82	81	1	82
13.	Kodagu	306	86	127	119	112	61	21	456	20	314	790	14	788	9	811	488	361	809
14.	Kolar	55	..	9	20	4	..	2	27	7	52	86	4	83	1	88	25	63	88
15.	Mandya	31	1	2	..	2	..	1	31	1	3	35	13	23	..	36	35	..	35
16.	Mysore	166	3	3	13	5	25	5	188	18	4	210	21	193	1	215	207	8	215
17.	Raichur	299	46	66	108	102	104	4	509	212	..	721	21	195	1	217	682	43	725
18.	Shimoga	427	162	169	125	219	208	5	1,166	100	39	1,305	17	1,216	77	1,310	1,166	138	1,304
19.	Tumkur	20	68	1	4	..	..	5	85	2	1	88	19	74	..	93	93	..	93
20.	U. Kannada	159	27	49	41	36	33	42	217	52	34	303	14	121	210	345	273	67	340
	STATE TOTAL	**15,061**	**2,607**	**2,618**	**2,928**	**3,049**	**3,731**	**504**	**27,144**	**1,242**	**1,104**	**29,490**	**448**	**28,003**	**1,035**	**29,486**	**26,439**	**3,136**	**29,575**

MINOR IRRIGATION CENSUS IN KARNATAKA FOR 1986-87

SCHEDULE B-5 DISTRICT LEVEL ABSTRACT OF KARNATAKA (SURFACE LIFT IRRI. SCHEMES—*Concld.*)

STATE : KARNATAKA

Sl. No.	Name of District	Average No. of Hours Elec. Avbl. Per Day	No. of Schemes with Dist. System	Culturable Command Area (In HA.)	Gross Irri. Pot. Created (In HA.)	Seasonwise area Irrigated by Lift Irri. Schemes (In HA.)					Seasonwise area irrigated by other sources (In HA.)				
						Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1.	Bangalore (R)	8	68	1,382	1,660	883	310	240	19	1,452	95	18	20	..	133
2.	Bangalore (U)	8	1	888	888	294	152	327	117	890	..	..	..	..	..
3.	Belgaum	8	2,268	35,987	49,896	21,013	5,392	3,163	274	29,842	1,119	1,361	434	99	3,013
4.	Bellary	8	344	20,259	28,574	12,642	8,290	1,577	2,903	25,412	326	176	10	206	718
5.	Bidar	8	20	3,115	4,469	674	361	22	5	1,062	..	..	..	..	..
6.	Bijapur	8	3,313	29,057	31,867	10,767	7,405	4,137	2,988	25,297	1,024	655	2	5	1,686
7.	Chickmagalur	8	113	7,100	5,526	961	27	4,967	147	6,102	53	1	78	2	134
8.	Chitradurga	8	49	12,696	9,638	3,645	1,373	114	1,731	6,863	60	92	11	..	163
9.	D. Kannada	8	68	3,942	4,659	55	1,443	1,697	376	3,571	8	167	134	72	381
10.	Dharwad	8	81	20,799	21,556	9,180	1,749	441	4,756	16,126	14	10	..	..	24
11.	Gulbarga	8	47	9,188	13,425	1,212	1,246	278	121	2,857	8	105	1	3	117
12.	Hassan	8	43	4,544	5,040	607	13	61	148	829	7	..	..	2	9
13.	Kodagu	8	387	6,873	6,983	2,033	655	1,802	415	4,905	149	..	188	31	368
14.	Kolar	8	6	369	588	51	5	10	5	71	13	..	..	2	15
15.	Mandya	8	15	2,666	2,221	640	864	..	6	1,510	..	..	..	..	..
16.	Mysore	8	93	6,409	6,140	2,504	1,214	408	380	4,506	8	10	2	..	20
17.	Raichur	8	22	11,792	13,936	6,302	2,449	38	2,915	11,704	5	..	..	..	5
18.	Shimoga	8	615	6,086	5,932	3,022	482	659	1,526	5,689	118	2	5	3	128
19.	Tumkur	8	79	3,023	2,195	749	164	123	2	1,038	259	35	..	..	294
20.	U. Kannada	8	14	2,569	2,354	313	58	245	257	873	..	..	..	..	..
	STATE TOTAL	8	7,646	1,88,744	2,17,547	77,547	33,652	20,309	19,091	1,50,599	3,266	2,632	885	425	7,208

MINOR IRRIGATION CENSUS IN KERALA FOR 1986-87

SCHEDULE B-5 DISTRICT LEVEL ABSTRACT OF KERALA (SURFACE LIFT IRRI. SCHEMES)

STATE : KERALA

Sl. No.	Name of District	Yearwise No. of Surface Lift Irri. Schemes Commissioned During						No. of Schemes not in use	Sourcewise No. of Irrigation Schemes in use				Number of Irrigation Schemes owned by				No. of Schms. with Lift Device		
		Before 82-83	82-83	83-84	84-85	85-86	86-87		River	Drain/ Canal	Tank	Total (10+11 +12)	Govern-ment	Public organs.	Private Society	Total (14+15 +16)	Electric Pump	Diesel Pump	Total (18+19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Alleppey	..	..	..	..	..	148	8	9	15	116	140	16	2	130	148	147	1	148
2.	Cannanore	..	..	..	..	..	44	38	1	5	..	6	43	..	1	44	11	..	1
3.	Ernakulam	..	..	..	..	..	8,866	..	601	384	7,917	8,902	119	37	8,710	8,866	8,866	..	8,866
4.	Idukki	..	..	..	..	..	821	..	..	..	821	821	7	27	787	821	524	291	815
5.	Kasaragod	..	..	..	..	..	2,031	103	..	..	1,928	1,928	166	91	1,774	2,031	665	1,366	2,031
6.	Kottayam	..	..	..	..	..	614	..	84	322	208	614	9	..	605	614	606	8	614
7.	Kozhikode	..	..	..	..	..	3,631	6	306	316	3,003	3,625	20	..	3,611	3,631	2,436	1,195	3,631
8.	Malappuram	..	..	..	..	..	8,797	226	1,442	127	7,002	8,571	111	808	7,878	8,797	4,671	3,704	8,375
9.	Palghat	..	..	..	..	..	1,919	2	810	293	814	1,917	31	2	1,886	1,919	1,513	406	1,919
10.	Pathanamhitta	..	..	..	..	..	457	29	84	42	302	428	99	12	346	457	457	..	457
11.	Quilon	..	..	..	..	..	125	..	73	5	45	123	17	5	101	123	123	..	123
12.	Trichur	..	..	..	..	..	22,795	5	531	71	22,188	22,790	61	5	22,729	22,795	22,330	465	22,795
13.	Trivandrum	..	..	..	..	..	1,024	1	27	1	995	1,023	4	16	1,004	1,024	1,021	3	1,024
14.	Wayanad	..	..	..	..	..	1,191	46	1,002	142	1	1,145	360	420	411	1,191	425	766	1,191
	STATE TOTAL	..	..	..	..	..	52,461	464	4,970	1,723	45,340	52,033	1,063	1,425	49,973	52,461	43,785	8,205	51,990

MINOR IRRIGATION CENSUS IN KERALA FOR 1986-87

SCHEDULE B-5 DISTRICT LEVEL ABSTRACT OF KERALA (SURFACE LIFT IRRI. SCHEMES—*Contd.*)

STATE : KERALA

Sl. No.	Name of District	Average No. of Hours Elec.Avbl. per day	No. of Schemes with Dist. System	Culturable Command Area (In HA.)	Gross Irri. Pot. Created (In HA.)	Seasonwise Area irrigated by Lift Irri. Schemes (In HA·)					Seasonwise area irrigated by other sources (In HA.)				
						Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1.	Alleppey	..	131	1,065	944	681	74	..	180	935	..	240	..	..	240
2.	Cannanore	..	..	153	400	42	15	5	..	62	..	..	..	..	..
3.	Ernakulam	..	8,488	24,863	45,320	7,036	6,918	5,925	3,846	23,725	6,950	6,649	4,705	3,291	21,595
4.	Idukki	..	..	2,066	1,932	1,602	20	13	141	1,776	187	138	..	..	325
5.	Kasaragod	..	..	3,876	4,895	1,084	966	90	1,644	3,784	..	..	..	..	..
6.	Kottayam	..	..	3,511	4,923	3,235	466	204	96	4,001	..	..	..	..	..
7.	Kozhikode	..	6	3,339	3,958	12	215	123	2,699	3,049	..	..	..	..	..
8.	Malappuram	..	21	14,865	19,373	4,431	4,945	2,433	5,101	16,910	1,131	1,133	1,205	10	3,479
9.	Palghat	..	17	18,949	30,016	14,011	10,422	150	505	25,088	1,215	1,311	..	34	2,560
10.	Pathanamhitta	..	371	5,606	4,384	2,952	504	..	502	3,958	758	103	..	89	95
11.	Quilon	..	114	1,317	2,129	795	890	70	178	1,933	10	10	..	..	20
12.	Trichur	..	8,474	21,343	34,751	3,225	5,684	4,057	14,229	27,195	..	..	..	..	..
13.	Trivandrum	..	1,024	1,130	1,325	266	318	..	662	1,246	..	..	..	..	..
14.	Wayanad	..	3	8,843	10,276	1,767	1,024	..	2,943	5,734	..	..	..	..	..
	STATE TOTAL	..	**18,649**	**1,10,936**	**1,64,626**	**41,139**	**32,461**	**13,070**	**32,726**	**1,19,396**	**10,251**	**9,584**	**5,910**	**3,424**	**29,169**

MINOR IRRIGATION CENSUS IN MADHYA PRADESH FOR 1986-87

SCHEDULE B-5 DISTRICT LEVEL ABSTRACT OF MADHYA PRADESH (SURFACE LIFT IRRI. SCHEMES)

STATE : MADHYA PRADESH

Sl. No.	Name of District	Yearwise No. of Surface Lift Irri. Schemes Commissioned During						No. of Schemes Not in use	Sourcewise No. of Irrigation Schemes in use				Number of Irrigation Schemes Owned by				No. of Schemes. with lift Device		
		Before 82-83	82-83	83-84	84-85	85-86	86-87		River	Drain/ Canal	Tank	Total (10+11 +12)	Govern-ment	Public Organs	Private Society	Total (14+15 +16)	Electric Pump	Diesel Pump	Total (18+19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Baitul	1,507	62	60	87	82	220	..	1,930	60	28	2,018	39	..	1,979	2,018	1,192	826	2,018
2.	Balaghat	32	1	..	6	13	2	..	49	1	4	54	..	5	49	54	5	49	54
3.	Bastar	361	5	2	2	13	88	9	467	..	4	471	237	1	233	471	217	254	471
4.	Bhind	33	2	1	..	6	4	..	40	2	4	46	35	1	10	46	20	26	46
5.	Bhopal	314	9	28	24	31	27	..	395	38	..	433	259	..	174	433	236	197	433
6.	Bilaspur	225	9	5	14	11	34	39	287	8	3	298	38	4	256	298	152	146	298
7.	Chattarpur	443	23	88	10	20	98	..	556	2	124	682	32	..	650	682	153	683	836
8.	Chindwara	563	83	50	113	97	46	..	941	11	..	952	367	..	585	952	830	122	952
9.	Damoh	1,713	205	187	324	323	651	21	3,176	2	225	3,403	1,851	..	1,552	3,403	1,429	1,974	3,403
10.	Datiya	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11.	Devas	1,976	203	194	203	174	210	11	2,956	..	4	2,960	3	..	2,957	2,960	2,277	683	2,960
12.	Dhar	1,202	98	73	78	127	170	..	1,704	..	44	1,748	..	..	1,748	1,748	1,130	618	1,748
13.	Durg	193	17	4	12	14	19	..	250	3	6	259	71	1	187	259	171	88	259
14.	Guna	2,617	321	239	537	473	937	13	5,034	..	90	5,124	..	..	5,124	5,124	1,615	3,509	5,124
15.	Gwalior	540	16	18	11	8	36	3	621	3	5	629	66	..	563	629	284	345	629
16.	Hoshangabad	1,233	28	67	153	151	239	..	1,847	5	19	1,871	117	..	1,754	1,871	602	1,847	2,449
17.	Indore	343	4	1	..	..	11	..	359	..	..	359	..	..	359	359	357	2	359
18.	Jabalpur	1,680	221	218	229	431	1,075	5	3,619	31	204	3,854	24	34	3,796	3,854	1,482	2,372	3,852
19.	Jhabua	1,055	9	9	13	7	20	..	1,030	2	81	1,113	83	..	1,030	1,113	276	837	1,113
20.	Mandla	122	8	16	23	5	23	..	186	..	11	197	..	..	197	197	41	156	197
21.	Mandsore	445	4	2	27	42	40	..	450	..	110	460	182	8	370	560	223	337	560
22.	Murena	5	..	..	..	...	3	...	8	...	...	8	8	..	..	8	4	4	8
23.	Narsinghpur	712	23	44	21	43	189	5	1,032	..	..	1,032	1	..	1,031	1,032	441	591	1,032
24.	P. Nemad	1,429	129	320	431	643	592	21	3,492	22	30	3,544	95	2	3,447	3,544	2,373	1,171	3,544
25.	P.Nemad (Khandba)	557	65	114	271	225	339	..	1,571	..	..	1,571	..	..	1,571	1,571	979	592	1,571
26.	Panna	348	100	76	74	74	125	23	760	5	32	797	474	..	423	797	231	566	797
27.	Raigarh	1,046	27	26	32	55	36	10	680	21	521	1,222	57	1	1,164	1,222	215	1,007	1,222
28.	Raipur	938	2	1	5	16	43	24	957	6	42	1,005	658	9	338	1,005	167	607	774
29.	Raisen	2,219	229	298	396	469	411	..	4,018	..	4	4,022	2,115	..	1,907	4,022	1,372	2,650	4,022

30.	Rajgarh	595	63	72	49	50	48	..	870	..	7	877	11	1	865	877	745	132	877
31.	Rajnnandgaon	43	17	17	18	20	23	3	109	7	22	138	80	10	48	138	123	15	138
32.	Ratlam	581	20	28	27	44	94	11	735	42	17	794	..	17	777	794	552	242	794
33.	Reva	968	207	186	365	157	260	22	1,737	18	388	2,143	25	..	2,118	2,143	804	1,339	2,143
34.	Sagar	3,727	287	505	615	751	884	17	6,264	58	447	6,769	434	16	6,319	6,769	2,229	4,540	6,769
35.	Shahdol	267	40	29	56	90	106	4	423	43	122	588	278	6	304	588	137	451	588
36.	Sajapur	1,328	63	221	470	296	172	..	2,389	34	127	2,550	2	1	2,547	2,550	2,178	372	2,550
37.	Sarguja	938	23	43	53	90	499	9	1,259	43	344	1,646	1,129	16	501	1,646	284	138	422
38.	Satna	1,022	188	179	305	329	349	31	2,288	29	55	2,372	..	..	2,372	2,372	1,678	914	2,592
39.	Seedhi	93	3	27	28	18	28	..	168	10	19	197	..	..	197	197	120	77	197
40.	Sehore	354	19	54	23	19	50	..	510	5	4	519	422	..	97	519	248	271	519
41.	Shivpuri	2,103	18	30	49	26	38	..	1,809	435	20	2,264	1,751	..	513	2,264	1,284	980	2,264
42.	Sivni	134	11	20	18	22	84	..	289	..	..	289	..	..	289	289	140	149	289
43.	Teekamgarh	171	11	11	15	5	1	..	212	..	2	214	35	..	179	214	106	20	126
44.	Ujjain	1,669	42	34	108	72	59	8	1,829	138	17	1,984	335	3	1,646	1,984	1,811	173	1,984
45.	Videsha	935	169	200	261	277	385	..	2,175	6	48	2,227	460	65	1,702	2,227	365	1,862	2,227
	STATE TOTAL	**38,779**	**3,084**	**3,797**	**5,556**	**5,819**	**8,768**	**289**	**61,479**	**1,090**	**3,234**	**65,803**	**11,674**	**201**	**53,928**	**65,803**	**31,278**	**33,934**	**65,212**

SCHEDULE B-5 DISTRICT LEVEL ABSTRACT OF MADHYA PRADESH (SURFACE LIFT IRRI. SCHEMES)—*Contd.*

STATE : MADHYA PRADESH

Sl. No.	Name of District	Average No. of Hours Elec. Avbl. Per day	No. of Schemes with Dist. system	Culturable Command Area (IN HA.)	Gross Irri.Pot. Created (IN HA.)	Seasonwise area irrigated by lift Irri. Schemes (IN HA.)					Seasonwise area irrigated by other sources (IN HA.)				
						Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1.	Baitul	16	445	5,822	5,486	32	4,419	256	..	4,707	..	..	..	..	..
2.	Balaghat	8	54	336	336	320	16	..	..	336	..	..	..	..	..
3.	Bastar	18	79	2,811	1,300	313	387	..	..	700	4	18	..	..	22
4.	Bhind	9	12	1,745	1,258	11	1,140	..	10	1,161	..	134	..	..	134
5.	Bhopal	20	189	2,789	3,060	17	2,867	..	..	2,884	34	1,459	..	..	1,493
6.	Bilaspur	4	31	2,166	2,015	1,332	573	..	..	1,905	..	..	..	..	..
7.	Chhattarpur	24	682	4,493	4,204	1	3,940	16	..	3,957	..	..	..	..	..
8.	Chhindwara	6	952	2,324	2,324	397	1,648	67	11	2,123	..	30	8	..	38
9.	Damoh	8	3,591	9,143	8,589	75	8,332	..	..	8407	..	8	..	..	8
10.	Datiya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11.	Devas	18	3	9,095	7,688	730	5,709	1	..	6,440	..	1	..	..	1
12.	Dhar	7	1,748	5,385	4,528	1,796	2,725	18	5	4,544	2	9	..	..	11
13.	Durg	16	137	2,630	3,166	2,219	654	7	2	2,882	..	..	..	..	..
14.	Guna	8	..	12,958	12,852	267	11,866	8	..	12,141	3	370	..	..	373
15.	Gwalior	8	254	3,270	3,438	502	2,772	4	..	3,278	36	169	4	..	209
16.	Hoshangabad	23	53	4,794	3219	257	4,107	276	..	4,640	..	3	..	..	3
17.	Indore	8	359	2,510	2,397	38	2,360	..	..	2,398	..	..	..	..	..
18.	Jabalpur	11	3,854	8,746	8,750	359	7,904	..	2	8,265	..	..	..	..	..
19.	Jhabua	6	1,113	6,454	6,096	442	3,843	8	..	4,293	1	6	..	..	7
20.	Mandla	5	197	518	518	26	274	56	..	356	..	..	..	..	..
21.	Mandsore	11	164	4,437	4,104	97	3,499	8	..	3,604	..	..	..	..	..
22.	Morena	4	..	312	256	..	212	..	..	212	..	..	..	..	..
23.	Narsinghpur	10	1,032	3,344	3,334	14	3,155	7	2	3,178	..	..	..	..	..
24.	P. Nemad	7	3,544	13,732	13,055	6,683	4,430	350	..	11,463	34	6	..	..	40
25.	P. Nemad (Khandwa	12	1,571	5,903	4,318	1,912	3,258	14	..	5,184	1	1	..	..	2
26.	Panna	24	172	5,767	4,355	87	4638	12	..	4,737	9	..	..	..	9
27.	Raigarh	6	295	2,258	2139	326	1,864	86	6	2,282	46	1	..	..	47
28.	Raipur	18	333	4,822	5,226	4,422	683	69	4	5,178	181	15	8	..	204
29.	Raisen	18	12	14,668	14,668	4	14,074	4	1	14,083	..	5	..	..	5

30. Rajgarh	15	..	2,572	1,848	22	1,885	2	..	1,909	..	73	..	..	73
31. Rajnadgaon	12	25	2,869	3,228	2,685	1	..	..	2,686	2	..	..	..	2
32. Ratlam	12	197	4,518	4,423	270	3,236	20	..	3,526	..	10	..	..	1
33. Reva	19	321	14,082	13,783	602	10,477	2	..	11,081	4	23	..	..	27
34. Sagar	14	4,891	19,602	19,382	634	16,778	..	..	17,412	13	557	..	..	570
35. Sahdol	5	588	2,818	2,337	31	2,047	..	..	2,078	..	95	..	..	95
36. Sajapur	11	2,550	11,171	9,890	89	9,798	3	..	9,890	..	..	..	..	..
37. Sarguja	9	277	6,138	4,788	271	4,068	40	13	4,392	..	548	..	..	548
38. Satna	14	386	14,508	11,031	166	10,474	6	..	10,646	..	837	..	..	837
39. Seedhi	23	22	2,563	1,923	..	1,953	1	..	1,954	..	13	..	..	13
40. Sehor	12	548	8,149	7,531	647	7,099	..	..	7,746	50	373	..	..	423
41. Shivpuri	..	1,864	7,650	7,155	94	5,914	10	73	6,091	..	606	..	..	606
42. Sivni	6	289	1,971	1,971	289	1,179	132	3	1,603	..	..	..	..	..
43. Teekamgarh	24	214	1,805	1,845	..	1,282	..	..	1,282	323	4,316	..	..	4,639
44. Ujjain	21	1,984	10,000	8,868	193	8,027	36	24	8,280	..	41	..	..	41
45. Vedesha	16	1,356	7,593	7,497	25	7,170	..	..	7,195	..	58	..	..	58
STATE TOTAL	**546**	**36,388**	**2,61,241**	**2,40,189**	**28,697**	**1,92,737**	**1,519**	**156**	**2,23,109**	**743**	**9,785**	**20**	..	**10,548**

MINOR IRRIGATION CENSUS IN MAHARASHTRA FOR 1986-87

SCHEDULE B-5 DISTRICT LEVEL ABSTRACT OF MAHARASHTRA (SURFACE LIFT IRRI. SCHEMES)

STATE : MAHARASHTRA

Sl. No.	Name of District	Yearwise no. of Surface lift Irr. schemes commissioned during						No. of schemes not in use	Source wise No. of Irrigation schemes in use				Number of Irrigation schemes owned by				No. of Schemes with lift. device		
		Before 82-83	82-83	83-84	84-85	85-86	86-87		River	Drain/ canal	Tank	Total (10+11 +12)	Gover- nment	Public orgns.	Private society	Total (14+15 +16)	Electric Pump	Diesel Pump	Total (18+19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Ahmednagar	957	94	137	184	143	280	30	1,594	54	117	1,765	5	193	1,597	1,795	1,398	406	1,804
2.	Akola	316	33	26	188	86	71	25	650	63	88	801	106	20	669	795	757	79	836
3.	Amravati	213	337	49	25	17	21	28	321	4	5	330	19	6	333	358	343	24	367
4.	Aurangabad	9	1	2	88	70	21	20	244	..	8	252	8	..	244	252	221	31	252
5.	Beed	..	..	—	..	..	..	67	972	84	137	1,193	6	30	1,224	1,260	1,103	57	1,260
6.	Bhandara	..	..	—	—	..	..	30	978	894	30	1,902	24	32	1,876	1,932	1,686	206	1,892
7.	Buldhana	207	38	75	56	34	45	24	562	112	61	735	98	6	564	668	779	207	986
8.	Chandrapur	409	56	61	92	78	75	9	534	196	32	762	18	109	644	771	608	163	771
9.	Dhule	..	..	..	..	..	..	5	398	..	2	400	12	17	376	405	355	36	391
10.	Gadchiroli	..	..	..	..	..	..	3	..	19	..	19	..	22	..	22	17	1	18
11.	Jalgaon	333	27	52	53	25	38	10	508	10	..	518	23	4	501	528	522	6	528
12.	Jalna	294	61	107	226	209	291	7	1,139	9	3	1,151	79	54	1,018	1,151	1,075	9	1,084
13.	Kolhapur	10,108	1,075	765	873	714	707	100	13,461	672	9	14,142	5	798	13,439	14,242	9,220	4,843	14,063
14.	Latur	347	71	88	79	176	120	70	1,047	7	24	1,078	..	..	1,078	1,078	1,083	30	1,113
15.	Nagpur	281	35	14	47	40	33	3	258	173	8	439	54	20	368	442	335	96	431
16.	Nanded	2,659	217	256	251	500	643	55	3,494	119	948	4,561	1,567	83	2,447	4,097	3,342	138	3,480
17.	Nashik	..	..	..	..	..	..	11	647	20	58	725	202	161	515	878	732	119	851
18.	Osmanabad	37	53	43	83	43	33	9	314	37	25	376	41	150	167	358	365	36	401
19.	Parbhani	118	37	55	89	141	172	13	523	48	28	599	10	..	602	612	586	7	593
20.	Pune	1,506	129	240	529	359	227	61	4,068	76	118	4,262	35	741	3,105	3,881	3,504	1,173	4,677
21.	Raigad	37	12	14	15	30	32	15	229	40	20	289	29	2	283	314	133	92	225
22.	Ratnagiri	..	..	..	..	..	..	85	511	62	14	587	53	17	602	672	483	108	591
23.	Sangli	..	..	..	..	..	..	108	3,847	78	36	3,961	5	288	3,745	4,038	3,842	197	4,039
24.	Satara	2,132	313	140	242	210	140	85	2,699	373	21	3,093	72	579	2,527	3,178	2,992	186	3,178
25.	Sindhudurg	650	135	144	185	119	192	59	985	364	17	1,366	610	87	728	1,425	1,205	220	7,605
26.	Solapur	2,066	681	855	1,634	1,509	969	78	6,796	637	350	7,783	654	44	7,242	7,950	6,816	789	1,425
27.	Thane	60	10	25	19	20	41	7	144	24	..	168	23	14	131	168	115	53	168
28.	Wardha	128	2	1	7	295	179	27	542	69	1	612	13	1	625	638	566	46	612
29.	Yavatmal	999	492	168	206	364	208	99	1,683	416	142	22,241	39	...	2,308	2,347	2,090	231	2,321
	STATE TOTAL	**23,866**	**3,819**	**3,317**	**5,171**	**5,182**	**4,538**	**1,173**	**49,148**	**4,660**	**2,302**	**56,110**	**3,820**	**3,478**	**48,958**	**56,256**	**46,273**	**9,689**	**55,962**

MINOR IRRIGATION CENSUS IN MAHARASHTRA FOR 1986-87

SCHEDULE B-5 DISTRICT LEVEL ABSTRACT OF MAHARASHTRA (SURFACE LIFT IRRI. SCHEMES)—*Contd.*

STATE : MAHARASHTRA

Sl. No.		Average No. of Hours Elec. Avbl. per day	No. of Schemes with Dist. system	Culturable Command Area (In HA.)	Gross Irr. & Pot. created (In HA.)	Seasonwise Area irrigated by lift irri. schemes (In HA.)					Seasonwise area irrigated by other sources (In HA.)				
						Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1.	Ahmednagar	9	1,194	13,966	12,708	3,918	4,762	2,332	446	11,458	570	528	99	45	1,242
2.	Akola	..	599	1,672	1,007	370	635	94	374	1,473	235	641	35	36	947
3.	Amravati	..	212	1,934	1,668	198	341	126	55	720	..	..	..	..	..
4.	Aurangabad	..	118	1,332	1,191	360	630	365	30	1,385	..	..	..	..	..
5.	Beed	..	26	2,016	2,672	507	1,522	436	98	2,563	19	132	20	..	171
6.	Bhandara	..	718	11,179	19,886	1,2007	1,726	198	369	14,300	494	21	5	54	571
7.	Buldhana	..	139	1,295	1,225	386	644	90	185	1,305	8	4	..	4	16
8.	Chandrapur	..	771	5,909	7,017	3,058	2,809	493	7	6,367	43	7	2	..	52
9.	Dhule	..	94	2,874	3,067	1,703	1,394	669	244	4,010	493	491	56	25	1,065
10.	Gadchiroli	19	2	339	97	25	4	..	..	29	132	..	..	..	132
11.	Jalgaon	20	425	6,514	5,216	245	321	1,265	39	1,870	..	..	..	..	..
12.	Jalna	6	65	3,840	3,454	1,007	1,264	900	69	3,240	6,758	5,631	1,178	577	14,144
13.	Kolhapur	6	12,439	69,508	66,130	10,792	10,467	31,651	1,189	54,099	145	111	740	31	1,027
14.	Latur	10	1,078	2,811	2,762	340	615	352	122	1,429	20	33	17	4	74
15.	Nagpur	..	204	2,596	3,334	917	786	283	71	2,057	57	37	20	21	135
16.	Nanded	..	3,607	7,678	8,724	1,974	3,984	3,365	1,449	10,072	826	495	728	271	2,320
17.	Nasik	..	58	3,045	3,521	6,878	6,456	1,448	581	15,363	24	99	1	..	124
18.	Osmanabad	43	126	3,062	3,153	1,048	1,802	543	81	3,474	..	146	..	..	146
19.	Parbhani	23	8	1,357	3,296	310	1,343	397	57	2,107	..	6	..	1	16
20.	Pune	..	1,676	76,462	50,901	19,255	27,913	4,470	7,331	8,969	11,273	89,877	493	107	1,01,750
21.	Raigad	..	32	206	503	27	344	37	25	433	14	171	..	4	55
22.	Ratnagiri	..	3	744	621	9	446	78	2	535	..	1	1	1	3
23.	Sangli	10	1,323	40,190	33,222	5,841	5,580	20,303	542	32,266	26	19	79	14	138
24.	Satara	..	2,166	32,540	29,505	5,606	6,080	14,134	936	26,756	76	64	107	43	290
25.	Sindhudurg	1	515	3,107	3,172	180	1,848	188	103	2,419	23	0	9	2	84
26.	Solapur	..	3,739	20834	19,031	3,819	8,112	7,014	691	19,636	1,547	3,878	2,049	244	7,718
27.	Thane	..	143	994	1,184	246	733	75	143	1,197	61	68	15	26	170
28.	Wardha	..	361	1,832	2,658	304	870	209	19	1,402	8	6	3	1	18
29.	Yavtmal	50	2,270	6,151	5,522	1,449	2,041	843	348	4,681	2	984	..	1	987
	STATE TOTAL	**197**	**34,111**	**3,03,987**	**2,96,447**	**82,779**	**95,572**	**92,358**	**15,606**	**2,86,315**	**22,854**	**1,03,346**	**5,657**	**1,541**	**1,33,398**

MINOR IRRIGATION CENSUS IN MANIPUR FOR 1986-87

SCHEDULE B-5 DISTRICT LEVEL ABSTRACT OF MANIPUR (SURFACE LIFT IRRI. SCHEMES)

STATE : MANIPUR

Sl. No.	Name of District	Yearwise No of Surface lift Irri. Schemes Commissioned during						No. of schemes Not in use	Source wise No. of irrigation schemes in use				Number of Irrigation schemes owned by				No. of Schems. with lift. Device		
		Before 82-83	82-83	83-84	84-85	85-86	86-87		River	Drain/ canal	Tank	Total (10+11+12)	Gover- nment	Public organs.	Private society	Total (14+15+16)	Electric pump	Diesel pump	Total (18+19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Bishenpur	..	..	..	4	2	1	..	7	..	..	7	7	..	..	7	..	7	7
2.	Chandel	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Churachandpur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4.	Imphal	..	1	3	3	2	1	..	10	..	..	10	10	..	..	10	..	10	10
5.	Senapati	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6.	Temenglong	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7.	Thoubal	..	..	..	5	1	1	..	7	..	..	7	7	..	..	7	..	7	7
8.	Ukhrul	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	STATE TOTAL	..	1	3	12	5	3	..	24	..	..	24	24	..	..	24	..	24	24

Sl. No.	Name of District	Average No. of Hours Elec. Avbl. per day	No.of schemes with dist. system	Culturable command Area (in ha.)	Gross Irrg. Pot. created (in ha.)	Seasonwise Area irrigated by lift Irri. Schemes (in ha.)					Seasonwise area irrigated by other source (in ha.)				
						Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1.	Bishenpur	..	7	840	1,400	320	380	..	140	840	..	..	..	..	..
2.	Chandel	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Churachandpur	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4.	Imphal	..	10	1,200	2,000	400	600	..	200	1,200	..	..	..	..	..
5.	Senapati	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6.	Temenglong	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7.	Thoubal	..	7	840	1,400	320	380	..	140	840	..	..	..	..	..
8.	Ukhrul	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	STATE TOTAL	..	24	2,880	4,800	1,040	1,360	..	480	2,880	..	..	..	..	..

MINOR IRRIGATION CENSUS IN MEGHALAYA FOR 1986-87

SCHEDULE B-5 DISTRICT LEVEL ABSTRACT OF MEGHALAYA (SURFACE LIFT IRRI. SCHEMES)

STATE : MEGHALAYA .. ..

Sl. No.	Name of District	Yearwise No. of Surface Lift Irri. Schemes Commissioned During						No. of schemes not in use	Source wise No. of irrigation schemes in use				Number of Irrigation schemes owned by				No. of Schms. with lift. Device		
		Before 82-83	82-83	83-84	84-85	85-86	86-87		River	Drain/ canal	Tank	Total (10+11+12)	Govern-ment	Public organs.	Private society	Total (14+15+16)	Electric Pump	Diesel Pump	Total (18+19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	East Garo Hills	5	1	..	..	..	..	..	6	..	..	6	6	..	..	6	1	5	6
2.	East Khasi Hills	1	..	..	..	..	..	..	1	..	..	1	1	..	..	1	1	..	1
3.	Jaintia Hills	3	..	..	..	2	1	1	3	2	..	5	5	..	1	6	5	1	6
4.	West Garo Hills	15	..	..	..	1	..	..	16	..	..	16	16	..	..	16	2	14	16
5.	West Khasi Hills	1	..	..	..	..	..	..	1	..	..	1	1	..	..	1	1	..	1
	STATE TOTAL	**25**	**1**	..	..	**3**	**1**	**1**	**27**	**2**	..	**29**	**29**	..	**1**	**30**	**10**	**20**	**30**

Sl. No.	Name of District	Average No. of Hours Elec. Avb. Per day	No. of Schemes with Distr. system	Culturable command Area (in ha.)	Gross Irri. Pot. created (in ha.)	Seasonwise area irrigated by Lift. Irri. Schemes (in ha.)					Seasonwise area irrigated by other sources (in ha.)				
						Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1.	East Garo Hills	..	6	384	461	230	69	..	..	299	..	..	..	..	..
2.	East Khasi Hills	8	1	45	90	18	5	..	..	23	..	..	..	..	..
3.	Jaintia Hills	..	2	1,243	1,490	492	10	80	..	582	..	..	..	..	..
4.	West Garo Hills	6	16	1,058	1,079	1,043	26	..	..	1,069	..	..	..	..	..
5.	West Khasi Hills	8	1	184	368	31	31	..	..	62	..	..	..	..	..
	STATE TOTAL	**22**	**26**	**2,914**	**3,488**	**1,814**	**141**	**80**	..	**2,035**	..	..	..	..	..

MINOR IRRIGATION CENSUS IN MIZORAM FOR 1986-87

SCHEDULE B-5 DISTRICT LEVEL ABSTRACT OF MIZORAM (SURFACE LIFT IRRI. SCHEMES)

STATE : MIZORAM

Sl. No.	Name of District	Yearwise No. of Surface Lift Irri. Schemes Commissioned during						No. of schemes not in use	Source wise No. of Irrigation Schemes in use				Number of Irrigation Schemes owned by				No. of Schms. with lift. Device		
		Before 82-83	82-83	83-84	84-85	85-86	86-87		River	Drain/ Canal	Tank	Total (10+11+12)	Government	Public organs.	Private Society	Total (14+15+16)	Electric Pump	Diesel Pump	Total (18+19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Aizwal East	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2.	Aizwal West	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Chhimtuipui	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4.	Kolasib	..	..	..	..	3	..	..	3	..	..	3	3	..	..	3	1	2	3
5.	Lunglei	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	STATE TOTAL	..	..	..	..	3	..	..	3	..	..	3	3	..	..	3	1	2	3

Sl. No.	Name of District	Average No. of Hours Elec. Avbl. per day	No. of Schemes with Dist. system	Culturable Command Area (in HA.)	Gross Irri. Pot. Created (in HA.)	Seasonwise area irrigated by lift Irri. Schemes (in HA.)					Seasonwise area irrigated by other sources (in HA.)				
						Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (25 to 29)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1.	Aizwal East	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2.	Aizwal West	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Chhimtuipui	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4.	Kolasib	12	3	170	265	145	115	..	..	260	..	..	..	..	..
5.	Lunglei	..	..	..	—	..	..	..	..	..	..	..	..	..	..
	STATE TOTAL	12	3	170	265	145	115	..	..	260	..	..	..	..	..

MINOR IRRIGATION CENSUS IN ORISSA FOR 1986-87

SCHEDULE B-5 DISTRICT LEVEL ABSTRACT OF ORISSA (SURFACE LIFT IRRI. SCHEMES)

STATE : ORISSA

Sl. No.	Name of District	Yearwise No. of Surface Lift Irri. Schemes Commissioned During						No. of Schemes not in use	Sourcewise No. of Irrigation Schemes in use				Number of Irrigation Schemes owned by				No. of Schms. with lift. Device		
		Before 82-83	82-83	83-84	84-85	85-86	86-87		River	Drain/ Canal	Tank	Total (10+11 +12)	Govern-ment	Public Organs.	Private Society	Total (14+15 +16)	Electric Pump	Diesel Pump	Total (18+19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Balasore	126	32	30	54	41	55	30	249	27	32	308	212	2	124	338	285	53	338
2.	Bolanger	283	58	50	43	60	23	30	359	84	44	487	134	..	383	517	421	96	517
3.	Cuttack	1042	113	123	129	86	43	380	1000	126	30	1156	1,408	4	124	1536	1513	23	1536
4.	Dhenkanal	258	23	52	44	39	39	50	286	99	20	405	347	24	84	455	444	11	455
5.	Ganjam	282	27	40	50	53	63	32	409	24	50	483	344	..	171	515	499	16	515
6.	Kalahandi	158	44	63	89	47	50	64	291	55	41	387	288	..	163	451	418	33	451
7.	Keonjhar	394	34	21	44	40	34	21	252	106	188	546	381	22	164	567	449	118	567
8.	Koraput	352	48	66	80	57	57	133	372	94	61	527	397	10	253	660	641	19	660
9.	Mayurbhanj	511	116	118	118	47	56	96	554	51	265	870	359	49	558	966	471	495	966
10.	Phulbani	87	19	7	18	13	17	22	94	22	23	139	116	..	45	161	123	38	161
11.	Puri	212	59	45	55	42	38	38	302	24	87	413	330	3	118	451	375	76	451
12.	Sambalpur	235	92	107	112	80	110	56	433	162	85	680	318	3	415	736	612	124	736
13.	Sundergarh	439	76	85	82	59	67	30	313	281	184	778	249	28	531	808	456	352	808
	STATE TOTAL	**4379**	**741**	**807**	**918**	**664**	**652**	**982**	**4914**	**1155**	**1110**	**7179**	**4883**	**145**	**3133**	**8161**	**6707**	**1454**	**8161**

MINOR IRRIGATION CENSUS IN ORISSA FOR 1986-87

SCHEDULE B-5 DISTRICT LEVEL ABSTRACT OF ORISSA (SURFACE LIFT IRRI. SCHEMES– *Contd.*)

STATE : ORISSA

Sl. No.	Name of District	Average No. of Hours Elec. Avbl. per day	No. of Schemes with Dist. system	Culturable command Area (in ha.)	Gross Irri. Pot. Created (in ha.)	Seasonwise area irrigated by Lift Irri. Schemes (In ha.)					Seasonwise area irrigated by other sources (in ha.)				
						Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1.	Balasore	8	136	5,283	8,818	1,180	1,681	11	5	2,877	49	..	..	..	49
2.	Bolanger	6	339	5,190	5,818	1,844	1,506	32	93	3,475	61	..	..	..	61
3.	Cuttack	8	1,000	38,853	59,545	5,388	8,690	261	82	14,421	24	1	..	..	25
4.	Dhenkanal	5	340	9,633	15,436	3,304	2,162	330	10	5,806	20	..	..	..	20
5.	Ganjam	8	396	6,215	7,179	4,042	2,078	217	4	6,341	126	4	..	..	130
6.	Kalahandi	6	134	8,933	17,099	3,153	1,491	124	2	4,770	12	1	2	..	15
7.	Keonjhar	7	538	3,785	5,087	1,700	1,312	3	..	3,015	1	..	..	..	1
8.	Koraput	6	415	9,738	13,011	3,231	2,292	92	31	5,646	174	19	..	..	193
9.	Mayurbhanj	7	295	8,086	12,501	3,289	2,727	4	2	6,022	22	12	..	..	34
10.	Phulbani	8	92	3,797	5,070	1,295	598	19	..	1,912	6	..	..	..	6
11.	Puri	6	421	6,079	7,469	1,899	1,750	34	17	3,700	16	12	..	..	28
12.	Sambalpur	15	446	9,819	14,794	4,928	4,393	150	8	9,479	82	36	..	..	118
13.	Sundergarh	6	523	5,450	7,132	1,823	2,822	39	6	4,690	34	19	..	..	53
	STATE TOTAL	**96**	**5,075**	**1,20,861**	**1,78,959**	**37,076**	**33,502**	**1,316**	**260**	**72,154**	**627**	**104**	**2**	**..**	**733**

MINOR IRRIGATION CENSUS IN PUNJAB FOR 1986-87

SCHEDULE B-5 DISTRICT LEVEL ABSTRACT OF PUNJAB (SURFACE LIFT IRRI. SCHEMES)

STATE : PUNJAB

Sl. No.	Name of District	Yearwise No. of Surface Lift Irri. Schemes Commissioned during						No. of Schemes not in use	Source wise No. of Irrigation Schemes in use				Number of Irrigation Schemes owned by				No. of Schms. with Lift. Device		
		Before 82-83	82-83	83-84	84-85	85-86	86-87		River	Drain/ Canal	Tank	Total (10+11 +12)	Govern- ment	Public Organs.	Private Society	Total (14+15 +16)	Electric Pump	Diesel Pump	Total (18+19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Amritsar	..	..	..	..	..	33	..	..	33	..	33	..	..	33	33	33	..	33
2.	Bathinda	..	..	..	..	..	54	..	..	54	..	54	..	..	54	54	1	53	54
3.	Faridkot	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4.	Ferozepur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5.	Gurdaspur	..	..	..	..	..	9	..	..	9	..	9	..	..	9	9	6	3	9
6.	Hoshiarpur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7.	Jalandhar	..	..	..	..	..	6	..	..	..	2	2	..	..	6	6	1	5	6
8.	Kapurthala	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9.	Ludhina	..	..	..	..	..	5	..	5	..	..	5	..	..	5	5	..	5	5
10.	Patiala	..	..	..	..	..	255	..	59	196	..	255	1	..	254	255	33	222	255
11.	Ropar	..	..	..	..	..	37	..	19	18	..	37	..	..	37	37	12	25	37
12.	Sangrur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	STATE TOTAL	..	..	..	..	..	399	..	83	310	2	395	1	..	398	399	86	313	399

MINOR IRRIGATION CENSUS IN PUNJAB FOR 1986-87

SCHEDULE B-5 DISTRICT LEVEL ABSTRACT OF PUNJAB (SURFACE LIFT IRRI. SCHEMES)—*Contd.*

STATE : PUNJAB

Sl. No.	Name of District	Average No. of Hours Elec. Avbl. per day	No. of Schemes with Dist. system	Culturable Command Area (In HA.)	Gross Irri.Pot. created (In HA.)	Seasonwise area irrigated by lift Irri. Schemes (In HA.)					Seasonwise area irrigated by other sources (In HA.)				
						Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1.	Amritsar	16	22	651	789	61	78	..	158	297	27	45	..	158	230
2.	Bathinda	9	..	290	533	209	210	1	..	420	133	133	..	..	266
3.	Faridkot	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4.	Ferozepur	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5.	Gurdaspur	..	9	113	211	100	95	16	..	211	10	10	12	..	32
6.	Hoshiarpur	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7.	Jalandhar	9	..	27	53	27	26	..	..	53	..	..	..	..	..
8.	Kapurthala	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9.	Ludhiana	..	..	35	34	17	17	..	..	34	..	..	..	..	..
10.	Patiala	20	..	647	1,302	616	612	1	20	1,249	96	96	..	1	193
11.	Ropar	..	..	791	1,553	375	396	..	..	771	..	..	..	..	..
12.	Sangrur	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	STATE TOTAL	**54**	**31**	**2,554**	**4,475**	**1,405**	**1,434**	**18**	**178**	**3,035**	**266**	**284**	**12**	**159**	**721**

MINOR IRRIGATION CENSUS IN TAMIL NADU FOR 1986-87

SCHEDULE B-5 DISTRICT LEVEL ABSTRACT OF TAMIL NADU (SURFACE LIFT IRRI. SCHEMES)

STATE : TAMIL NADU

Sl. No.	Name of District	Yearwise No. of surface lift Irri. Schemes Commissioned during						No. of schemes not in use	Source wise No. of Irrigation Schemes in use				Number of Irrigation Schemes Owned by				No. of Schms. with lift. Device		
		Before 82-83	82-83	83-84	84-85	85-86	86-87		River	Drain/ canal	Tank	Total (10+11 +12)	Govern- ment	Public organs.	Private Society	Total (14+15 +16)	Electric Pump	Diesel Pump	Total (18+19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Anna	91	49	3	31	16	4	2	133	59	..	192	29	..	165	194	17	175	192
2.	Chengalpattu	111	..	..	..	..	..	..	6	85	20	111	9	..	102	111	4	107	111
3.	Coimbatore	1,014	6	6	3	68	75	..	1,033	129	10	1,172	..	..	1,172	1,172	646	525	1,171
4.	Dharmapuri	392	221	3	4	2	27	3	368	157	121	646	649	..	..	649	351	295	646
5.	Kamarajar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6.	Madurai	46	1	13	6	7	..	..	71	..	2	73	73	..	..	73	56	17	73
7.	Nilgiris	197	12	17	11	51	63	..	334	9	8	351	..	..	351	351	77	274	351
8.	North Arcot	18	..	..	..	..	..	..	18	..	..	18	18	..	..	18	15	3	18
9.	P. Muthuramalingam	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10.	Periyar	3,289	4	13	18	73	21	13	2,276	1,124	5	3,405	36	..	3,382	3,418	1,289	2,116	3,405
11.	Pudukottai	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
12.	Ramanathapuram	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
13.	Salem	169	7	..	24	5	17	1	132	89	..	221	119	3	100	222	120	101	221
14.	South Arcot	296	..	5	17	15	14	..	118	198	31	347	179	..	168	347	129	218	347
15.	Thanjavur	61	74	1	1	1	14	3	122	10	17	149	61	1	90	152	148	1	149
16.	Tiruchirapalli	2,245	43	17	6	13	29	1	1,145	1,084	123	2,352	1,638	5	710	2,353	654	1,698	2,352
17.	Tirunelveli	93	..	..	1	2	3	..	..	99	..	99	..	..	99	99	72	27	99
18.	V.D. Chidambaranar	112	..	..	..	3	..	..	14	99	2	115	103	..	12	115	13	102	115
	STATE TOTAL	**8,134**	**417**	**78**	**122**	**256**	**267**	**23**	**5,770**	**3,142**	**339**	**9,251**	**2,914**	**9**	**6,351**	**9,274**	**3,591**	**5,659**	**9,250**

MINOR IRRIGATION CENSUS IN TAMIL NADU FOR 1986-87

SCHEDULE B-5 DISTRICT LEVEL ABSTRACT OF TAMIL NADU (SURFACE LIFT IRRI, SCHEMES)—*Contd.*

STATE : TAMIL NADU

Sl. No.	Name of District	Average No. of hours Elec. Avbl; per day	No. of Schemes with dist. system	Culturable Command Area (IN HA.)	Gross Irri. Pot. Created (IN HA.)	Seasonwise area irrigated by lift Irri. Schemes (IN HA.)					Seasonwise area irrigated by other sources (IN HA.)				
						Kharif	Rabi	Perennial	Others	Total (25 to 28)	Kharif	Rabi	Perennial	Others	Total (30 to 33)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1.	Anna	..	..	1,213	1,091	216	130	28	..	374	4	29	6	..	39
2.	Chengalpattu	..	2	121	138	74	50	5	..	129	1	..	..	..	1
3.	Coimbatore	14	..	3,357	3,548	422	178	2,669	8	3,277	3	66	202	..	271
4.	Dharmapuri	6	..	647	458	498	123	162	1	784	91	91	28	1	211
5.	Kamarajar	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6.	Madurai	..	73	25	25	22	..	2	..	24	..	..	..	..	..
7.	Nilgiris	..	6	844	799	11	34	601	34	680	..	..	5	117	122
8.	North Arcot	..	..	243	348	99	119	8	10	236	..	..	..	..	..
9.	P. Muthuramalingam	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10.	Periyar	30	26	6,109	6,121	2,966	922	1,285	140	5,313	42	35	4	..	81
11.	Pudukottai	..	..	..	..	..	..	..	..	..	..	..	..	..	..
12.	Ramanathapuram	..	..	..	..	..	..	..	..	..	..	..	..	..	..
13.	Salem	9	59	3,974	4,606	1,292	826	1,765	158	4,041	..	..	..	..	..
14.	South Arcot	14	1	6,599	6,614	462	456	131	70	1,119	..	..	..	27	27
15.	Thanjavur	10	22	5,263	4,138	1,049	2,071	177	158	3,455	..	7	..	..	7
16.	Tiruchirapalli	..	68	4,914	5,180	1,493	1,152	993	89	3,727	8	56	31	..	95
17.	Tirunelveli	..	99	61	63	42	19	..	3	64	1	3	..	..	4
18.	V.O. Chidambaranar	..	..	153	199	16	54	79	1	150	..	..	..	..	..
	STATE TOTAL	83	356	33,523	33,328	8,662	6,134	7,905	672	23,373	150	287	276	145	858

MINOR IRRIGATION CENSUS IN TRIPURA FOR 1986-87

SCHEDULE B-5 DISTRICT LEVEL ABSTRACT OF TRIPURA (SURFACE LIFT IRRI. SCHEMES)

STATE : TRIPURA

Sl. No.	Name of District	Yearwise No. of surface lift Irri. Schemes Commissioned during						No. of schemes not in use	Sourcewise No. of Irrigation Schemes in use				Nnmber of Irrigation schemes owned by				No. of Schms. with lift. Device		
		Before 82-83	82-83	83-84	84-85	85-86	86-87		River	Drain/ Canal	Tank	Total (10+11 +12)	Govern-ment	Public Organs.	Private Society	Total (14+15 +16)	Electric Pump	Diesel Pump	Total (18+19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	North Tripura .	246	68	26	52	82	69	104	271	69	99	439	188	34	321	543	82	461	543
2.	South Tripura .	217	54	50	46	49	100	52	257	112	95	464	140	12	364	516	82	434	516
3.	West Tripura .	461	164	59	72	82	357	112	436	266	381	1,083	260	48	887	1,195	92	1,103	1,195
	STATE TOTAL .	924	286	135	170	213	526	268	964	447	575	1,986	588	94	1,572	2,254	256	1,988	2,254

Sl. No.	Name of District	Average No. of Hours Elec. Avbl. Per day	No. of Schemes with Dist. system	Culturable Command Area (IN HA.)	Gross Irri. Pot. Created (IN HA.)	Seasonwise area irrigated by lift Irri. Schemes (IN HA.)					Seasonwise area irrigated by other sources (IN HA.)				
						Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1.	North Tripura .	6	72	6,514	13,027	2,213	1,733	32	222	4,200	12	15	5	..	32
2.	South Tripura .	5	68	5,418	10,825	1,421	2,051	147	291	3,910	73	17	2	12	104
3.	West Tripura .	5	54	7,864	15,653	3,274	3,344	207	404	7,229	25	52	1	1	79
	STATE TOTAL .	16	194	19,796	39.505	6,908	7,128	386	917	15,339	110	84	8	13	215

MINOR IRRIGATION CENSUS IN UTTAR PRADESH FOR 1986-87

SCHEDULE B-5 DISTRICT LEVEL ABSTRACT OF UTTAR PRADESH (SURFACE LIFT IRRI. SCHEMES)

STATE : UTTAR PRADESH

Sl. No.	Name of District	Yearwise No. of Surface lift. Irri. Schemes Commissioned During						No. of schemes not in Use	Sourcewise No. of Irrigation Schemes in use				Number of Irrigation Schemes Owned by				No. of Schms. with lift. Device		
		Before 82-83	82-83	83-84	84-85	85-86	86-87		River	Drain/ Canal	Tank	Total (10+11 +12)	Govern-ment	Public Organs.	Private Society	Total (14+15 +16)	Electric Pump	Diesel Pump	Total (18+19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Agra	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2.	Aligarh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Allahabad	..	..	..	..	..	3,443	29	478	1,052	1,905	3,435	453	218	2,768	3,439	26	3,409	3,435
4.	Almora	..	..	..	..	..	67	9	55	11	1	67	60	2	5	67	57	10	67
5.	Azamgarh	..	..	..	..	..	80	..	..	58	22	80	58	22	..	80	79	1	80
6.	Ballia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7.	Banda	..	..	..	..	..	3,385	41	1,440	1,780	165	3,385	..	..	3,385	3,385	54	3,331	3,385
8.	Barabanki	..	..	..	..	..	786	16	83	46	659	788	51	239	515	805	2	804	806
9.	Bareilly	..	..	.	..	..	615	..	480	37	98	615	..	15	600	615	6	609	615
10.	Basti	..	..	.	..	..	3,307	46	266	58	2,943	3,267	847	1,779	681	3,307	35	3,277	3,307
11.	Baharich	..	..	..	..	..	412	99	27	22	363	412	75	214	123	412	..	412	412
12.	Bijnor	..	..	..	..	.	28	28	..	..	28	28	..	28	..	28	..	28	28
13.	Badaun	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14.	Buland Shahar	..	..	..	..	..	1	..	..	1	..	1	..	..	1	1	..	1	1
15.	Chamoli	..	..	..	..	..	30	19	10	20	..	30	30	..	..	30	5	25	30
16.	Dehradun	..	..	..	..	..	80	21	25	54	1	80	23	1	56	80	3	77	80
17.	Deoria	..	..	..	..	..	441	9	180	49	212	441	206	136	99	441	..	441	441
18.	Etah	..	..	..	..	..	102	..	56	32	14	102	..	..	102	102	..	102	102
19.	Etawah	..	..	..	..	..	177	..	43	131	3	177	43	2	132	177	..	177	177
20.	Faizabad	..	..	..	..	..	41	..	5	2	50	57	..	57	7	64	..	57	57
21	Farrukhabad	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
22.	Ghaziabad	..	..	..	..	..	..	..	..	2	..	2	2	..	2	4	..	2	2
23.	Ghazipur	..	..	..	..	..	87	..	37	5	45	87	6	..	81	87	4	83	87
24.	Gonda	..	..	..	..	..	139	75	93	549	753	1,395	568	241	586	1,395	5	1,390	1,395
25.	Gorakhpur	..	..	..	..	..	1,412	175	146	74	1,192	1,412	214	138	1,060	1,412	3	1,409	1,412
26.	Hamirpur	..	..	..	..	..	1,955	25	888	981	86	1,955	13	380	1,562	1,955	15	1,940	1,955
27.	Hardoi	..	..	..	..	..	192	..	..	..	192	192	..	..	192	192	..	192	192
28.	Jalaun	..	..	..	..	..	605	49	145	397	63	605	..	..	605	605	7	598	605
29.	Jaunpur	..	..	..	..	..	28	..	1	9	18	28	5	..	23	28	5	23	28

30.	Jhansi	615	4	90	500	25	615	119	36	461	616	13	602	615
31.	Kanpur Dehat	..	..	..	..	..	..	..	..	..	..	..	..	..
32.	Kanpur Nagar	5	1	5	..	..	5	6	..	..	6	6	..	6
33.	Kheri	..	..	..	..	..	..	..	..	..	..	..	..	..
34.	Lalitpur	3,720	7	1,851	1,426	443	3,720	1	..	3,719	3,720	19	3,701	3,720
35.	Lucknow	..	..	..	..	..	..	..	..	..	..	..	..	..
36.	Mainpuri	91	..	15	70	6	91	..	..	91	91	..	91	91
37.	Mathura	29	..	..	29	..	29	..	..	29	29	..	29	29
38.	Meerut	2	..	2	..	..	2	..	..	2	2	..	2	2
39.	Mirzapur	2,365	3	819	1,162	384	2,385	136	300	1,929	2,365	1	2,364	2,365
40.	Moradabad	..	..	..	..	..	..	..	..	..	..	..	..	..
41.	Muzaffar Nagar	71	..	71	..	..	71	..	..	71	71	..	71	71
42.	Nainital	317	17	207	110	..	317	43	2	272	317	23	259	282
43.	Pauri Garhwal	26	7	..	26	..	26	26	..	..	26	1	25	26
44.	Pilibhit	12	..	12	..	..	12	..	..	12	12	..	12	12
45.	Pithoragarh	25	1	10	12	3	25	22	2	1	25	4	21	25
46.	Pratapgarh	59	..	9	..	50	59	..	..	59	59	..	59	59
47.	Rai Bareli	458	170	4	5	449	458	38	320	100	458	5	453	458
48.	Rampur	577	..	369	208	..	577	..	..	577	577	55	522	577
49.	Shahajhanpur	..	..	..	..	..	..	..	..	..	..	..	..	..
50.	Sharanpur	40	..	..	40	..	40	40	..	..	40	..	40	40
51.	Sitapur	218	165	10	13	195	218	122	80	16	218	18	200	218
52.	Sultanpur	..	..	..	..	..	..	..	..	..	..	..	..	..
53.	Tehri Garhwal	11	31	..	6	5	11	11	..	..	11	5	6	11
54.	Unnao	527	2	14	39	474	527	..	..	527	527	..	527	527
55.	Uttarkashi	21	5	2	19	..	21	17	3	1	21	20	1	21
56.	Varanasi	6,176	..	179	98	5,899	6,176	19	..	6,157	6,176	28	6,148	6,176
	STATE TOTAL	**32,778**	**1,054**	**8,127**	**9,133**	**16,746**	**34,006**	**3,254**	**4,215**	**26,609**	**34,078**	**504**	**33,526**	**34,030**

MINOR IRRIGATION CENSUS IN UTTAR PRADESH FOR 1986-87

SCHEDULE B-5 DISTRICT LEVEL ABSTRACT OF UTTAR PRADESH (SURFACE LIFT IRRI. SCHEMES)

STATE : UTTAR PRADESH

Sl. No.	Name of District	Average No. of hours Elec. Avbl. Per day	No. of schemes with Dist. system	Culturable command Area (IN HA.)	Gross Irri. Pot. created (IN HA.)	Seasonwise area irrigated by lift Lrri. Schemes (IN HA.)					Seasonwise area irrigated by other sources (IN HA.)				
						Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1.	Agra	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2.	Aligarh	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3.	Allahabad	8	889	10,178	12,971	3,465	7,143	163	168	10,939	412	581	15	50	1,058
4.	Almora	8	54	939	1,063	409	406	6	2	823	..	..	..	..	..
5.	Azamgarh	8	..	569	806	189	427	56	22	694	2	5	..	1	8
6.	Ballia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7.	Banda	10	..	8,120	9,617	884	6,700	65	65	7,714	343	1,596	11	4	1,954
8.	Barabanki	8	..	1,221	1,802	780	894	29	78	1,781	165	175	6	6	352
9.	Bareilly	9	3	1,651	1,918	678	732	156	200	1,766	124	101	2	18	245
10.	Basti	8	307	16,328	20,533	5,877	8,827	382	446	15,532	828	1,305	229	10	2,372
11.	Bharich	8	202	1,402	1,853	304	744	2	2	1,052	..	15	..	1	16
12.	Bijnor	8	..	50	58	23	23	7	3	56	..	..	..	..	..
13.	Budaun	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14.	Buland Shahar	8	1	1	1	..	1	..	..	1	..	..	..	..	..
15.	Chamoli	8	30	204	214	53	78	..	..	131	..	..	..	..	..
16.	Dehradun	8	80	507	617	276	290	24	6	596	16	13	..	..	29
17.	Deoria	8	..	1,951	2,052	823	1,068	110	20	2,021	81	117	13	5	216
18.	Etah	8	18	110	135	61	13	38	2	114	60	13	4	1	78
19.	Etawah	8	177	360	454	99	271	6	16	392	9	17	1	2	29
20.	Faizabad	8	55	228	326	123	162	13	24	322	..	..	..	..	..
21.	Farrukhabad	..	..	..	..	..	..	..	..	..	..	..	..	..	..
22.	Ghaziabad	8	..	2	2	..	..	..	..	..	..	..	..	..	..
23.	Ghazipur	8	19	3,212	3,248	1,287	1,485	1	475	3,248	..	..	..	..	..
24.	Gonda	8	39	2,134	2,872	645	1,853	77	297	2,872	356	433	..	298	1,087
25.	Gorakhpur	8	399	5,001	5320	955	3,863	47	252	5,117	..	99	1	1	101
26.	Hamirpur	11	384	5,592	5,919	214	4,355	42	5	4,616	22	110	4	..	136
27.	Hardoi	..	..	..	..	..	..	..	..	..	..	..	..	..	..
28.	Jalaun	10	209	1,485	1,527	191	1,075	22	9	1,297	31	203	7	3	244
29.	Jaunpur	10	1	557	621	226	387	..	..	613	250	257	..	..	507
30.	Jhansi	8	..	1,060	1,230	280	513	125	..	918	138	..	..	..	138

31.	Kanpur Dehat	..	..	..	..	..	..	..	..	..	..	..	..	..	..
32.	Kanpur Nagar	11	6	1,000	1,155	225	489	15	104	833	105	205	..	..	310
33.	Kheri	..	..	..	..	..	..	..	..	..	..	..	..	..	..
34.	Lalitpur	8	1,688	6,754	7,276	619	8,396	..	25	9,040	..	238	..	2	240
35.	Lucknow	..	..	..	..	..	..	..	..	..	..	..	..	..	..
36.	Mainpuri	..	..	..	..	..	..	..	..	..	..	..	..	..	..
37.	Mathura	8	87	90	92	43	22	..	8	73	..	..	..	..	..
38.	Meerut	8	2	2	3	1	1	2	..	4	..	..	..	..	..
39.	Mirzapur	8	1,132	5,990	6,231	2,636	3,044	115	37	5,832	199	232	41	8	480
40.	Moradabad	..	..	..	..	..	..	..	..	..	..	..	..	..	..
41.	Muzaffar Nagar	8	..	212	270	41	136	19	56	252	..	..	..	..	..
42.	Nainital	10	115	1,111	1,364	456	460	128	4	1,048	150	139	35	..	324
43.	Pauri Garhwal	8	15	384	504	100	50	20	5	175	..	..	..	..	..
44.	Pilibhit	8	..	10	13	6	4	..	..	10	..	..	..	..	..
45.	Pithoragarh	10	19	214	245	100	63	1	2	166	..	..	..	..	..
46.	Pratapgarh	8	13	155	219	92	123	..	..	215	19	15	..	2	36
47.	Rai Bareli	10	85	2,516	4,103	1,081	1,646	43	287	3,057	407	600	29	80	1,116
48.	Rampur	10	577	1,513	1,808	1,180	360	..	..	1,540	34	34	..	..	68
49.	Shahajhanpur	..	..	..	..	..	..	..	..	..	..	..	..	..	..
50.	Sharanpur	8	40	81	96	30	44	8	14	96	..	..	..	..	..
51.	Sitapur	9	15	1,625	2,536	901	1,325	26	10	2,262	3	31	..	..	34
52.	Sultanpur	..	..	..	..	..	..	..	..	..	..	..	..	..	..
53.	Tehri Garhwal	8	..	104	140	47	33	..	1	81	..	..	..	..	..
54.	Unnao	8	527	1,057	6,257	410	638	65	100	1,213	90	124	..	5	219
55.	Uttarkashi	8	11	257	288	141	19	60	..	220	..	..	..	..	..
56.	Varanasi	8	19	28,253	30,253	11,013	10,063	..	..	21,076	3,361	3,816	..	..	7,177
	STATE TOTAL	**7**	**7,218**	**1,14,190**	**1,38,012**	**36,964**	**68,226**	**1,873**	**2,745**	**1,09,808**	**7,205**	**10,474**	**398**	**497**	**18,574**

MINOR IRRIGATION CENSUS IN WEST BENGAL FOR 1986-87

SCHEDULE B-5 DISTRICT LEVEL ABSTRACT OF WEST BENGAL (SURFACE LIFT IRRI. SCHEMES)

STATE : WEST BENGAL

Sl. No.	Name of District	Yearwise No. of Surface Lift Irri. Schemes Commissioned during						No. of Schemes not in Use	Source wise No. of irrigation Schemes in use				Number of Irrigation Schemes owned by				No. of Schemes with Lift. Device		
		Before 82-83	82-83	83-84	84-85	85-86	86-87		River	Drain/ canal	Tank	Total (10+11 +12)	Gover- nment	Public Organs.	Private Society	Total (14+15 +16)	Electric Pump	Diesel Pump	Total (18+19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Bankura	..	..	..	..	..	12,379	114	975	182	13,473	14,630	1,654	365	13,325	15,344	50	7,030	7,080
2.	Birbhum	..	..	..	..	..	20,815	190	548	204	19,873	20,625	1,447	1,005	18,363	20,815	36	13,913	13,949
3.	Burdwan	..	..	..	..	..	..	86	1,639	1,097	21,282	24,018	1,245	385	22,474	24,104	125	11,403	11,528
4.	Cooch Behar	..	..	..	..	..	1,948	30	1,208	153	557	1,918	91	12	1,845	1,948	..	958	958
5.	Darjeeling	..	..	..	..	..	57	5	49	3	....	52	17	..	40	57	1	56	57
6.	Hooghly	..	..	..	..	..	11,115	24	1,693	2,305	7,780	11,778	701	324	10,777	11,802	139	11,649	11,788
7.	Howrah	..	....	..	..	..	12,360	11	841	7,747	3,761	12,349	174	55	12,131	12,360	10	7,731	7,741
8.	Jalpaiguri	....	....	..	..	....	193	..	133	4	56	193	.. 72	.. 3	118	193	1	190	191
9.	Malda	..	..	..	..	..	3,070	38	575	155	4,956	5,686	2,646	112	2,966	5,724	70	3,978	4,048
10.	Midnapore	..	..	..	..	..	71,192	3,116	2,795	4,388	60,893	68,076	1,550	204	69,438	71,192	64	27,699	27,763
11.	Murshiabad	....	....	..	..	....	6,068	.. 24	404	62	5,578	6,044	.. 680	45	5,343	6,068	217	4,658	4,875
12.	Nadia	..	..	..	..	..	334	19	307	..	8	315	317	..	17	334	147	187	334
13.	North 24-Parganas	..	..	..	..	..	1,785	7	197	341	1,240	1,778	173	8	1,604	1,785	53	824	877
14.	Purulia	..	..	..	..	..	357	30	121	..	206	327	222	86	49	357	..	159	159
15.	South 24-Parganas	..	..	..	..	..	32,687	83	5	5,796	26,803	32,604	1,144	158	31,385	32,687	21	13,104	13,125
16.	West Dinajpur	..	....	..	..	..	2,301	3	503	48	1,747	2,298	552	13	1,736	2,301	..	887	887
	STATE TOTAL	..	..	..	..	..	1,76,661	3,780	11,993	22,485	1,68,213	2,02,691	12,685	2,775	1,91,611	2,07,071	934	1,04,426	1,05,360

MINOR IRRIGATION CENSUS IN WEST BENGAL FOR 1986-87

SCHEDULE B-5 DISTRICT LEVEL ABSTRACT OF WEST BENGAL (SURFACE LIFT IRRI. SCHEMES)—*Contd.*

STATE : WEST BENGAL

Sl. No.	Name of District	Average No. of hours Elec. Avbl. per day	No. of schemes with dist. system	Culturable command Area (IN HA.)	Gross Irri. Pot. created (IN HA.)	Seasonwise area irrigated by lift Irri. Schemes (IN HA.)					Seasonwise area irrigated by other sources (IN HA.)				
						Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1.	Bankura	12	547	65,610	82,342	30,458	19,029	820	4,436	54,743	10,202	1,454	53	735	12,444
2.	Birbhum	8	900	86,805	1,01,736	27,796	41,137	2,502	6,577	78,012	22,485	3,147	253	509	26,394
3.	Burdwan	9	589	67,711	90,876	24,694	33,871	1,262	7,457	67,284	11,430	2,554	51	1,159	15,194
4.	Cooch Behar	4	414	6,941	8,411	504	2,214	58	437	3,213	22	31	..	29	82
5.	Darjeeling	..	29	4,018	4,262	143	151	3,099	126	3,519	44	4	58	2	108
6.	Hooghly	10	242	40,428	65,289	14,060	25,432	474	6,515	46,481	1,537	967	51	733	3,288
7.	Howrah	10	176	27,387	38,077	5,367	13,703	888	6,525	26,483	269	259	1	84	613
8.	Jalpaiguri	..	72	3,311	4,012	345	430	220	135	1,130	654	104	8	147	913
9.	Malda	10	328	30,465	41,150	5,737	8,891	312	5,747	20,687	77	70	..	223	370
10.	Midnapore	10	1,468	65,169	83,399	11,342	38,035	2,058	5,091	56,526	2,743	2,044	52	231	5,070
11.	Murshiabad	10	336	40,410	49,548	11,217	14,347	1,312	3,640	30,516	1,150	641	148	295	2,234
12.	Nadia	8	260	21,310	23,805	2,720	5,355	70	935	9,080	49	41	1	6	97
13.	North 24-Parganas	10	259	7,596	8,923	1,623	2,627	50	1,696	5,996	267	122	2	28	419
14.	Purulia	..	95	7,547	15,081	1,092	2,476	5	382	3,955	173	171	..	5	349
15.	South 24-Parganas	..	46	50,429	53,339	5,003	23,472	781	2,982	32,238	103	203	17	18	341
16.	West Dinajpur	..	294	20,517	24,935	2,740	7,250	106	2,331	12,427	..	11	..	4	15
	STATE TOTAL	**101**	**6,055**	**5,45,654**	**6,95,185**	**1,44,841**	**2,38,420**	**14,017**	**55,012**	**4,52,290**	**51,205**	**11,823**	**695**	**4,208**	**67,931**

MINOR IRRIGATION CENSUS IN CHANDIGARH (UT) FOR 1986-87

SCHEDULE B-5 DISTRICT LEVEL ABSTRACT OF CHANDIGARH (UT) (SURFACE LIFT IRRI. SCHEMES)

STATE : CHANDIGARH (UT)

Sl No.	Name of District	Yearwise No. of surface Lift Irri. Schemes commissioned during						No. of schemes not in use	Sourcewise No. of Irrigation Schemes in use				Number of Irrigation Schemes owned by				No. of schemes with Lift. device		
		Before 82-83	82-83	83-84	84-85	85-86	86-87		River	Drain/ Canal	Tank	Total (10+11 +12)	Govern-ment	Public Organs.	Private Society	Total (14+15 +16)	Electric Pump	Diesel Pump	Total (18+19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Chandigarh . .	26	10	5	5	..	1	..	..	47	..	47	2	..	46	48	33	15	48
	STATE TOTAL .	26	10	5	5	..	1	..	..	47	..	47	2	..	46	48	33	15	48

Sl. No.	Name of District	Average No. of Hours Elec. Avbl. per day	No. of schemes with Dist. system	Culturable Command Area (IN HA.)	Gross Irri. Pot. craeated (IN HA.)	Seasonwise area irrigated by lift Irri. Schemes (IN HA.)					Seasonwise area irrigated by other sources (IN HA.)				
						Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1.	Chandigarh . .	..	..	143	299	142	141	19	19	321	..	..	..	..	..
	STATE TOTAL .	..	..	143	299	142	141	19	19	321	..	..	..	..	..

MINOR IRRIGATION CENSUS IN DADRA NAGAR HAVELI FOR 1986-87

SCHEDULE B-5 DISTRICT LEVEL ABSTRACT OF DADRA NAGAR HAVELI (SURFACE LIFT IRRI. SCHEMES)

STATE : DADRA NAGAR HAVELI

Sl. No.	Name of District	Yearwise No. of surface lift Irri. Schemes Commissioned during						No. of schemes not in use	Source wise No.of irrigation schemes in use				Number of Irrigation Schemes owned by				No. of Schms. with lift. Device		
		Before 82-83	82-83	83-84	84-85	85-86	86-87		River	Drain/ canal	Tank	Total (10+11 +12)	Govern-ment	Public organs.	Private Society	Total (14+15 +6)	Electric Pump	Diesel Pump	Total (18+19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Dadra Nagar Haveli	..	..	..	14	30	..	..	42	2	..	44	14	1	29	44	39	19	58
	STATE TOTAL	..	..	..	14	30	..	..	42	2	..	44	14	1	29	44	39	19	58

Sl. No.	Name of District	Average No. of Hours Eelc.Avbl. per day	No. of Schemes with Dist. system	Culturable command Area (IN HA.)	Gross Irri. Pot. Created (IN HA.)	Seasonwise area irrigated by Lift Irri. Schemes (IN HA.)					Seasonwise area irrigated by other sources (IN HA.)				
						Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1.	Dadra Nagar Haveli	..	17	244	346	129	104	86	1	320	..	..	..	..	..
	STATE TOTAL	..	17	244	346	129	104	86	1	320	..	..	..	..	..

MINOR IRRIGATION CENSUS IN DELHI (UT) FOR 1986-87

SCHEDULE B-6 DISTRICT LEVEL ABSTRACT OF DELHI (UT) (SURFACE LIFT IRRI. SCHEMES)

STATE : DELHI (UT)

Sl. No.	Name of District	Yearwise no. of surface lift Irri. Schemes Commissioned during						No. of schemes not in Use	Source wise no. of Irrigation Schemes in use				Numer of irrigation schemes owned by				No. of Schms. with lift. device		
		Before 82-83	82-83	83-84	84-85	85-86	86-87		River	Drain/ canal	Tank	Total (10+11 +12)	Govern-ment	Public Organs.	Private Society	Total (14+15 +16)	Electric Pump	Diesel Pump	Total (18+19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Delhi . . .	5	..	..	1	..	..	..	..	..	1	1	5	..	1	6	6	..	6
	STATE TOTAL .	**5**	..	..	**1**	..	..	..	..	..	**1**	**1**	**5**	..	**1**	**6**	**6**	..	**6**

Sl. No.	Name of District	Average no of hours elec. avbl. per day	No. of schemes with dist. system	Culturable command Area (IN HA.)	Gross Irri. Pot. created (IN HA.)	Seasonwise area irrigated by Lift. Schemes (IN HA.)					Seasonwise area irrigated by other sources (IN HA.)				
						Kharif	Rabi	Perennial	Others	Total (21 to 24)	Kharif	Rabi	Perennial	Others	Total (26 to 29)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1.	Delhi . . .	20	6	4,210	8,960	3,545	4,552	200	..	8,297	..	..	..	..	..
	STATE TOTAL .	**20**	**6**	**4,210**	**8,960**	**3,545**	**4,552**	**200**	..	**8,297**	..	..	..	..	..

MINOR IRRIGATION CENSUS IN PONDICHERRY FOR 1986-87

SCHEDULE B-5 DISTRICT LEVEL ABSTRACT OF PONDICHERRY (SURFACE LIFT IRRI. SCHEMES)

STATE : PONDICHERRY

Sl. No.	Name of District	Yearwise No. of Sarface lift Irri. Schemes Commissioned during						No. of schemes not in use	Source wise no. of Irrigation Schemes in use				Number of irrigation schemes owned by				No. of schemes. with lift device		
		Before 82-83	82-83	83-84	84-85	85-86	86-87		River	Drain/ Canal	Tank	Total (10+11 +12)	Govern- ment	Public organs.	Private Society	Total (14+15 +16)	Electric Pump	Diesel Pump	Total (18+19)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.	Pondicherry . .	20	..	..	..	4	..	..	12	4	8	24	1	..	23	24	2	22	24
	STATE TOTAL .	**20**	..	..	..	**4**	..	..	**12**	**4**	**8**	**24**	**1**	..	23	**24**	**2**	**22**	**24**

Sl. No.	Name of District	Average no. of hours elec. Avbl. per day	No. of Schemes with Dist. system	Culturable Command Area (in ha.)	Gross Irri. Pot. created (in ha.)	Seasonwise area Irrigated by lift Irri. Schemes (in ha.)					Seasonwise area irrigated by other sources (in ha.)				
						Kharif	Rabi	Perennial	Others	Total (25 to 28)	Kharif	Rabi	Perennial	Others	Total (30 to 33)
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1.	Pondicherry . .	10	7	106	115	16	61	30	..	107	..	..	..	..	..
	STATE TOTAL .	**10**	**7**	**106**	**115**	**16**	**61**	**30**	..	**107**	..	..	..	..	..

GMGIPN—S6—194 M. of WR/ND/92—15-1-94—500.