



REPORT ON DYNAMIC GROUND WATER RESOURCES OF RAJASTHAN

(As on 31st March, 2004)



Central Ground Water Board
Government of India
Western Region, Jaipur

Ground Water Department
Government of Rajasthan
Jodhpur

Jaipur
September, 2005

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Prepared by

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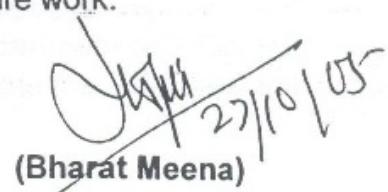
FOREWORD

In an Arid State like Rajasthan Ground Water plays a key role in meeting water demands for various sectors. Most of the drinking water schemes, industrial demand & irrigation sources are based on Ground Water. Surface water resources are scarce & available in limited parts of the State. Demand for various sectors is increasing at fast pace & has resulted in tremendous stress on limited ground water resources.

Estimation of Dynamic Ground Water Resources of the State is being periodically done. Rajasthan Ground Water Department and Central Ground Water Board have jointly prepared the present report on Dynamic Ground Water Resources of Rajasthan. These estimates reveal Net Ground Water Availability, existing groundwater draft and Stage of Ground Water Development. Present estimates have been done as on 31.3.2004. The over-all stage of Ground Water Development in the State has reached an alarming level of 125% & 190 blocks have come under over-exploited/ critical category. Excessive groundwater withdrawal in many areas has resulted in sharp decline in groundwater levels leading to drying up of large number of wells. In some critical areas serious water scarcity has to be felt in near future. Thus water conservation, management and groundwater recharging is required to be implemented efficiently in the State.

I trust this report, which gives comprehensive picture of ground water resources availability in the State, will prove to be very helpful to planners, decision makers & others engaged in planning, development & management of agriculture, water supply, industry & other sectors.

I would like to record my deep appreciation of the excellent work done by the officers of Rajasthan Ground Water Department and Central Ground Water Board in bringing out this report. Appreciation are due to Shri A D Joseph, Regional Director, Central Ground Water Board and Shri F M Golani, Chief Engineer, Ground Water Department for their guidance and overall supervision of the entire work.



27/10/05
(Bharat Meena)

Jaipur,
October'05

Secretary, GWD & PHED
Govt. of Rajasthan

PREFACE

Role of groundwater in green revolution, industrial, urban development and water supply is well known. Water demand of each of these sectors have been steadily increasing during recent past. Dynamic ground water resources are annually replenishable which are available for various uses. For sustainable availability of resources, the total ground water draft should be restricted to annual availability. Thus ground water resource estimation assumes prime importance for planning developmental activities in areas of agriculture, industries, water supply and sanitation.

The assessment of ground water resources of the country dates back to 1949. The national commission on agriculture(1976) assessed the total groundwater resources of the country and ultimate irrigation potential from groundwat. A high level committee namely Ground water expert committee, headed by the Chairman, Central Ground Water Board, was constituted by the Agriculture Refinance & Development Corporation and the first attempt to estimate the ground water resources on scientific basis was made in 1979. Subsequently, Government of India constituted a committee under the chairmanship of the Chairman, Central Ground Water Board in 1982 to suggest the methodology for ground water estimation. The committee known as Ground Water Estimation Committee, 1984 gave its recommendations and guidelines known as GEC-1984.

Groundwater assessment of Rajasthan State was done first time for the year 1984 which was based on GEC-1984 guidelines. Subsequent ground water estimations in the State were done for 1988,1990, 1992, 1995 and 1998.

Necessity to update this methodology (GEC-84) was felt due to experience gained in the later studies and the difficulties faced during the assessment exercises. Accordingly a new committee was constituted by Ministry of water Resources, Government of India to recommend a revised methodology. The methodology, revised in 1997 is largely used all over the country for ground water resource assessment. The ground water resource estimates in the state of Rajasthan as on 1.1.2001 and 31.03.2004 (present estimates) are based on 1997 guidelines. The resource estimation is a complex exercise involving various factors and components which can not be directly measured. The zone wise and block wise resources were estimated by Ground Water Department, Government of Rajasthan and were scrutinized by Central Ground Water Board, Government of India. Detailed area wise deliberations and discussions were held between the Technical groups of State Ground Water Department and Central Ground Water Board to arrive at various factors and overcome the difficulties felt during the estimations.

4.

It is seen that overall ground water development of the State has reached the alarming rate of 125 %. Out of 237 blocks in the State, 190 are falling under critical/over exploited category. The last estimation i.e. during 2001 the stage of ground water development was 104 % and 166 blocks were under critical/over exploited category. This clearly speaks of indiscriminate ground water exploitation in the State. In the emerging scenario, ground water management and regulation needs utmost attention to prevent the precious resources for their future sustainability.

The team of highly dedicated technical officers of Rajasthan Ground Water Department and Central Ground Water Board has done a laudable job in bringing out this report. Sincere thanks are due to one and all the team members of RGWD and CGWB for their commendable and laborious task and to Sh F. M. Golani, Chief Engineer, RGWD and Sh R. P. Mathur, Supdt. Hydrogeologist, CGWB for overall supervision of work. It is hoped that the report will help in proper planning of ground water developmental projects which are need of the hour for sustainable development and balanced management of the resources in the State.

Jaipur
October,2005

Rajasthan 29/10
(A.D.Joseph)
Regional Director & Convener
Central Ground Water Board

CONTRIBUTORS

The Report on Dynamic Ground Water Resources of Rajasthan (as on 31st March, 2004) is a combined effort of Ground Water Department, Jodhpur and Central Ground Water Board, Western Region, Jaipur.

District Hydrogeologists of Ground Water Department, Government of Rajasthan, had prepared the district-wise Ground Water Estimation Reports under the guidance of concerned Senior Hydrogeologist & Superintending Hydrogeologist. The Draft Reports were checked and finalized by the HQ DSPC headed by Shri K.K.Sharma, Senior Hydrogeologist under the overall supervision of Shri F.M.Golani, Chief Engineer. In this work, Shri G.S.Marwaha, Senior Hydrogeologist & T.A. to Superintending Hydrogeologist and Shri P.K.Batra, In-charge Hydrogeologist Pali have given commendable assistance.

These district-wise Ground Water Estimation Reports were scrutinized by a team of officers of Central Ground Water Board, Western Region, Jaipur under the guidance of Shri A.D.Joseph, Regional Director. In this work, Shri R.P.Mathur, Superintending Hydrogeologist, Shri S.K.Gupta, Asst. Hydrologist and Shri V.J.Malhotra, Asst. Hydro-meteorologist have made significant contribution in detailed discussions held in scrutinizing the figures, preparing & modifying the Report. Shri L.N.Mathur, Scientist 'B' and Shri S.K.Pareek, Asst. Hydrogeologist have also made commendable input in preparing the Report,

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9. The District wise Consumption Map.

The following section of the report gives a brief account of the methodology adopted for the preparation of the maps. The methodology adopted for the preparation of the maps is as follows:

1. The first stage of the study involved the collection of data from various sources. The data collected included information on population, land use, rainfall, soil type, and other socio-economic parameters.
2. The second stage of the study involved the preparation of a base map of the state, which included the boundaries of districts, blocks, and villages.
3. The third stage of the study involved the demarcation of assessment units based on population density and other socio-economic parameters.
4. The fourth stage of the study involved the categorization of blocks based on population density and other socio-economic parameters.
5. The fifth stage of the study involved the preparation of a map showing the distribution of settlements across the state.
6. The sixth stage of the study involved the preparation of a map showing the density of land and settlements across the state.
7. The seventh stage of the study involved the preparation of a map showing the distribution of blocks across the state.
8. The eighth stage of the study involved the preparation of a map showing the density of population across the state.
9. The ninth stage of the study involved the preparation of a map showing the consumption pattern across the state.

I. INTRODUCTION

The Government of India desired that in each State, a Group on Estimation of Ground Water Resource & Irrigation Potential from ground water should be constituted for furnishing the relevant information to the Planning Commission. With this view, the said Group with respect to Rajasthan state was constituted vide letter No. 18-36/83-GW dated 10th May, 1985 of Shri D.W.Telang, Additional Secretary (I), Ministry of Irrigation & Power, Department of Irrigation, New Delhi. Accordingly, a Committee of the Group on Estimation of Ground Water Resource & Irrigation Potential from Ground Water for Rajasthan was constituted by Shri B. Ram, Secretary, CAD & GWD, Government of Rajasthan with the following members :-

- | | |
|---|----------|
| 1. The Secretary, Ground Water Department, Jaipur, | Chairman |
| 2. The Chief Engineer, Ground Water Department, Jodhpur | Member |
| 3. The Director of Agriculture, Rajasthan. | Member |
| 4. The Chief Engineer, PHED, Jaipur | Member |

| | | |
|--|----------|-------|
| e Director, CAZRI, Jodhpur. | Member | 5. T |
| e Executive Director, Rajasthan Water Resource Development Corporation | Member | 6. T |
| e Deputy General Manager, NABARD, Jaipur | Member | 7. T |
| e Chief Engineer, (Rural Electrification), RSEB | Member | 8. T |
| e Superintending Hydrogeologist, GWD, Jodhpur | Member | 9. T |
| e Chief Engineer, Irrigation Department, Jaipur | Member | 10. T |
| e Director, Central Ground Water Board, Jaipur | Convener | 11. T |

of reference of the Group were as follows:-

imate the ground water and irrigation potential in Rajasthan in accordance with thodology recommended by the Ground Water Estimation Committee.

imate the present stage of ground water development and utilization of this ce in Rajasthan.

pes and numbers of ground water abstraction structures feasible in the State.

down the norms for application of water for different crops grown in different s in various parts of the State and assess the total water requirement.

The term

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5. To assess the present and ultimate requirements of ground water for Public Health and Industrial use.
6. To recommend the programme for investigation and development of ground water resource (keeping in view the perspective laid by Government of India for harnessing the entire water resources by 2000 AD).

Ground Water Resource Estimation for the State is done periodically. The Ground Water Resources of Rajasthan were estimated last as on 1.1.2001. In the present report, block-wise dynamic ground water resources as on 31.3.2004 have been presented. Ground Water Resources have been estimated as per the Ground Water Estimation Committee-1997 guidelines.

II. HYDROGEOLOGICAL CONDITIONS OF THE STATE

a) **Hydrogeological Formations:** Approximately, 40% area of the State is occupied by the hard rocks consisting of the Archaean crystallines, Aravalli super-group and Delhi super-group, the Erinpura Granite, Malani suite of igneous rocks, their equivalents, the Vindhyan and the Deccan traps. The crystallines (igneous and metamorphic rocks) ranging in age from Archaean to Upper Proterozoic have negligible primary porosity. Significant secondary porosity is introduced into them locally due to weathering and fracturing. Vindhyan sandstones and limestones occupying parts of Kota, Jhalawar, Bundi, Chittorgarh, Jodhpur and Nagaur districts are promising aquifers with moderate to high discharge. The Deccan traps show low to medium permeabilities depending on the primary and secondary porosities and their variation from place to place. In the hard rock terrains the valley fills along the stream channels consisting of river deposits often contain highly productive aquifers, with limited ground water reserves. The soft rocks include the alluvium and the blown sand, which occupy a major part of the State and the semi-consolidated formation comprising the Tertiary and the Mesozoic rocks. The alluvium contains the most productive aquifers in the region but local quality of ground water is saline. The blown sands also form moderately potential aquifers at places particularly in the western Rajasthan. Among the semi-consolidated formations, the Lathi sandstones are found to contain moderate to high productive aquifers.

b) **Hydrometeorology:** In general, the climate in Rajasthan is arid to semi-arid characterized by extreme temperatures, high evapo-transpiration and scanty and unpredictable rainfall. May is the hottest month with mean daily maximum temperature from 40.5° to 42° C. January is the coldest month with a mean minimum temperature of 3° to 4° C.

Aravalli range also act as a climatic divide. In the eastern part the rainfall is more than 600 mm and towards south-eastern part it increases up to 1000 mm. Kota and Jhalawar districts receive the maximum rainfall of around 1000 mm. In western and northern Rajasthan, rainfall is comparatively low. Jaisalmer, Barmer and Bikaner districts receive the lowest rainfall of around 200 to 300 mm. The south-west monsoon lasting from middle of June to middle of September is major contributor of rainfall in the State. Mount Abu receives exceptionally high annual rainfall of about 1500mm.

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A perusal of the enclosed Table No. 1 indicates that the years 2000 & 2002 were the years of drought for the State when the average rainfall was respectively 26.2% & 53.1% less than the normal rainfall.

All the districts of the State experienced either normal or severe types of drought during the year 2002. The western part of the State was worst affected with negative departures being more than 70% in Bikaner, Jodhpur and Jaisalmer districts. The south-eastern districts, Banswara and Baran, were also not much behind with negative departures being 62.7% & 64% respectively.

The year 2000 was slightly better when three districts of the state , all lying in the western part of the state, received more than normal rainfall. The negative departures in five districts were less than 20%. Rajsamand, Bhilwara and Bharatpur were worst affected with negative departures being around 44%.

The State on an average received near normal rainfall during the years 2001 and 2003.

The year 2001 was a normal rainfall year when the rainfall in the state was 1.9% more than normal rainfall. Most of the western districts of the state received good rainfall with Ganganagar & Hanumangarh districts receiving 69.8% & 59.8% more than normal rainfall respectively. Whereas, Banswara district had deficit of 25.8%.

The rainfall in the year 2003 was good when the average rainfall of the State was 7.4% more than normal rainfall. In this year nine districts, all lying east of Aravallis, received less than normal rainfall. However, negative departures were slightly more than 20% in Kota & Baran districts only. The western districts of the State received very good rainfall during this year. The rainfall in Barmer was 84% more than normal rainfall.

c) Hydrogeological Units & Aquifer Parameters:

Keeping in view the wide range of diversity, various hydrogeological unit have been grouped together on the basis of their degree of consolidation and hydrogeological properties. The State of Rajasthan witnesses porous unconsolidated as well as semi-consolidated formations and also consolidated formations.

(i) Porous Formations-

Unconsolidated formation

The Quaternary rocks comprising Recent alluvium and Older alluvium are the important unconsolidated formations that include the potential aquifers. These sediments are essentially composed of clay, slit, sand, gravel, pebbles, calcareous concretions, laterite and ferruginous concretions. Sand, gravel and

Table- I Annual Rainfall & Departure Percentage from Normal Rainfall.

| | District | Normal Rainfall | Annual Rainfall (mm) | | | | Departure from Normal(%) | | | |
|----|----------------|--------------------|----------------------|-------|-------|-------|--------------------------|-------|-------|-------|
| | | | 2000 | 2001 | 2002 | 2003 | 2000 | 2001 | 2002 | 2003 |
| 1 | Ajmer | 433.8 | 379.3 | 533.6 | 190.9 | 476.5 | -12.6 | 23.0 | -56.0 | 9.8 |
| 2 | Alwar | 626.3 | 457.3 | 569.1 | 233.5 | 846.8 | -27.0 | -9.1 | -62.7 | 35.2 |
| 3 | Banswara | 868.1 | 491.0 | 644.1 | 524.6 | 840.3 | -43.4 | -25.8 | -39.6 | -3.2 |
| 4 | Baran | 895.3 | 801.9 | 898.9 | 322.1 | 714.7 | -10.4 | 0.4 | -64.0 | -20.2 |
| 5 | Barmer | 260.0 | 263.6 | 298.1 | 92.0 | 478.3 | 1.4 | 14.7 | -64.6 | 84.0 |
| 6 | Bharatpur | 675.2 | 383.0 | 596.2 | 394.6 | 751.9 | -43.3 | -11.7 | -41.6 | 11.4 |
| 7 | Bhilwara | 603.5 | 466.4 | 704.1 | 314.6 | 584.9 | -22.7 | 16.7 | -47.9 | -3.1 |
| 8 | Bikaner | 249.8 | 311.3 | 294.0 | 66.3 | 299.5 | 24.6 | 17.7 | -73.5 | 19.9 |
| 9 | Bundi | 724.1 | 576.1 | 809.2 | 352.9 | 692.5 | -20.4 | 11.8 | -51.3 | -4.4 |
| 10 | Chittorgarh | 767.2 | 477.6 | 703.4 | 410.0 | 673.4 | -37.7 | -8.3 | -46.6 | -12.2 |
| 11 | Churu | 339.5 | 240.0 | 371.8 | 162.2 | 413.7 | -29.3 | 9.5 | -52.2 | 21.9 |
| 12 | Dausa | 625.7 | 446.4 | 584.2 | 304.9 | 791.2 | -28.7 | -6.6 | -51.3 | 26.5 |
| 13 | Dholpur | 700.7 | 481.1 | 665.1 | 465.9 | 627.8 | -31.3 | -5.1 | -33.5 | -10.4 |
| 14 | Dungarpur | 607.4 | 401.0 | 597.4 | 380.6 | 672.0 | -34.0 | -1.6 | -37.3 | 10.6 |
| 15 | Ganganagar | 171.6 | 129.7 | 291.4 | 89.0 | 259.4 | -24.4 | 69.8 | -48.1 | 51.2 |
| 16 | Hanumangarh | 237.5 | 167.6 | 379.6 | 135.6 | 313.0 | -29.4 | 59.8 | -42.9 | 31.8 |
| 17 | Jaipur | 527.1 | 375.9 | 430.9 | 207.4 | 640.6 | -28.7 | -18.3 | -60.7 | 21.5 |
| 18 | Jaisalmer | 162.2 | 185.3 | 219.6 | 44.0 | 217.3 | 14.2 | 35.4 | -72.9 | 34.0 |
| 19 | Jalore | 400.6 | 311.8 | 342.0 | 173.4 | 587.3 | -22.2 | -14.6 | -56.7 | 46.6 |
| 20 | Jhalawar | 916.1 | 726.1 | 968.6 | 484.4 | 749.0 | -20.7 | 5.7 | -47.1 | -18.2 |
| 21 | Jhunjhunu | 459.5 | 340.0 | 464.8 | 169.3 | 525.1 | -26.0 | 1.2 | -63.2 | 14.3 |
| 22 | Jodhpur | 296.7 | 236.7 | 375.3 | 87.6 | 369.9 | -20.2 | 26.5 | -70.5 | 24.7 |
| 23 | Karauli | 616.2 | 462.5 | 544.3 | 264.7 | 780.8 | -24.9 | -11.7 | -57.0 | 26.7 |
| 24 | Kota | 806.0 | 769.3 | 970.7 | 386.3 | 635.7 | -4.6 | 20.4 | -52.1 | -21.1 |
| 25 | Nagaur | 363.1 | 316.4 | 360.6 | 144.2 | 469.1 | -12.9 | -0.7 | -60.3 | 29.2 |
| 26 | Pali | 484.5 | 337.4 | 554.9 | 176.0 | 547.4 | -30.4 | 14.5 | -63.7 | 13.0 |
| 27 | Rajsamand | 556.1 | 307.3 | 623.1 | 300.9 | 499.3 | -44.7 | 12.0 | -45.9 | -10.2 |
| 28 | Sawai Madhopur | 655.8 | 389.8 | 645.4 | 239.5 | 661.1 | -40.6 | -1.6 | -63.5 | 0.8 |
| 29 | Sikar | 460.6 | 278.7 | 458.9 | 198.0 | 477.0 | -39.5 | -0.4 | -57.0 | 3.6 |
| 30 | Sirohi | 793.7 | 512.5 | 742.6 | 270.4 | 922.7 | -35.4 | -6.4 | -65.9 | 16.3 |
| 31 | Tonk | 598.2 | 501.1 | 577.2 | 239.7 | 626.4 | -16.2 | -3.5 | -59.9 | 4.7 |
| 32 | Udaipur | 633.0 | 399.9 | 633.3 | 387.7 | 658.0 | -36.8 | 0.0 | -38.8 | 3.9 |
| | Average | 547.3 | 403.9 | 557.9 | 256.7 | 587.6 | -26.2 | 1.9 | -53.1 | 7.4 |

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mixture of these are among the unconsolidated sediments forming the potential aquifers in the northern, western, south-western and north-eastern parts of the State. The formations vary in particle size, sorting coefficient and roundness of the particles, consequently, the water yielding capability varies considerably. The alluvial sequence in the western and south-western part of the State is usually concealed under a thick blanket of wind blown sand which consists of fine sand and silt.

Ground water in alluvium occurs both under water table and confined conditions. Depth to water table is shallow in the central and eastern part but deep in the western part. The yield of the aquifer is medium to high generally ranging from less than 3 to 20 lps.

Semi-consolidated formations

The semi-consolidated formations belong to upper Palaeozoic, Mesozoic and Cenozoic (Cainozoic) Groups of rocks. These are mainly composed of siltstone, claystone, sandstone, shales, conglomerates and limestone. The sandstones and limestones form the main aquifers. These form good aquifers mainly in Jaisalmer and Bikaner districts and include Lathi, Jaisalmer, Baisakhi, Bhadesar, Parihar, Abur, Jogira, and Mar formations. Yield of the aquifer is generally poor to moderate i.e. less than 10 lps. However, potential aquifers yielding 25 lps have also been encountered in Lathis of western Rajasthan.

(ii) Fissured Formations-

Consolidated formations

The consolidated formations in the State occupy about 1/3 of the area and are broadly classified into four types based on the hydrogeological conditions. The nature, occurrence and movement of ground water in them are described below.

Volcanic rocks

The Deccan Trap lava flows come under this category and form parts of Kota, Jhalawar, Chittorgarh and Banswara districts. They are basaltic to doleritic in composition. Nature and extent of weathering, jointing and fracture pattern and presence of vesicles are the important factors which play a major role in the occurrence and movement of ground water in the traps. The yield of the aquifer is low to medium generally varying from 1 to 10 lps.

Carbonate rocks

Limestone, marble and dolomite occur as consolidated and semi-consolidated rocks of Proterozoic and Upper Palaeozoic to Mesozoic age, covering parts of Kota and Bundi districts in the eastern Rajasthan, and Nagaur, Bikaner, Jaisalmer and Jodhpur districts in the western Rajasthan come under this category. These limestones belong to Vindhyan Supergroup in the east and Jaisalmer Series of Jurassic and Bilara Group of Marwar Supergroup in the west. Ground water occurs in the cavernous and fractured carbonate rocks both under water table and confined conditions.

The yield of the aquifer is low to medium i.e. varying from 3 to 15 lps. In general but locally ranging upto 50 lps. In cavernous formations.

Igneous and metamorphic rocks (excluding Volcanic and Carbonate rocks).

These include metasedimentaries and metavolcanics of Archaeans to lower Proterozoic age comprising slates, quartzites, phyllites, schist, gneisses and various crystalline rocks. They occur in the districts of Banswara, Dungarpur, Udaipur, Chittorgarh, Bhilwara, Tonk, Ajmer, Jaipur, Alwar, Jhunjhunu in the eastern Rajasthan and Nagaur, Churu, Barmer, Jaisalmer, Pali, Jalore, Sirohi and Jodhpur districts in the western Rajasthan.

Ground water occurs mostly under water table and semi-confined condition in the fractured and weathered zone. Yield of aquifer generally varies from 1 to 5 lps.

Consolidated Sedimentary rocks (excluding carbonate rocks)

These included mainly sandstones and shales. In the eastern Rajasthan these belong to Vindhyan Supergroup in Kota, Jhalawar, Bundi, Chittorgarh, Sawai Madhopur and Dholpur districts and in the Western Rajasthan these occur in parts of Jodhpur, Nagaur, Churu, Bikaner, Jaisalmer and Barmer districts. The ground water occurs either under water table or confined conditions depending on the nature of occurrence. The yield of aquifer generally varies from 1 to 15 lps.

Groundwater Availability

Groundwater availability in consolidated rocks is strikingly less than that in the unconsolidated and semi-consolidated sediments. Based on the groundwater availability and development potential the following subdivisions have been made.

| Aquifer character | Productivity | General Yield Potential lps | Sp.Yield % |
|---|-------------------------|--------------------------------|---------------|
| A. Porous Formation | | | |
| Fairly thick and extensive, confined to semi confined aquifer down to 300 m depth. | High | | |
| Moderately thick, discontinuous, confined to semi-confined aquifer down to depth range of 30 to 300 mbgl. | Medium | 2-25 | 0.04 to 0.15 |
| Discontinuous aquifer with limited thickness down to 100 mbgl | Low | | |
| B. Fissured Formation | | | |
| Extensive | Normally high | | |
| Local / discontinuous aquifer | low to medium | 1-15 | 0.01 to 0.07 |
| Aquifer restricted to weathered mantle and minor fractures | Normally low | | |
| Massive, hard rocks and thinly foliated rocks. | Generally not available | | |

d) Ground Water Level Conditions: The depth to water varies widely throughout the State; shallow water levels have been noticed in canal command area of Ganganagar, Banswara, Kota and Bundi districts whereas the higher values of depth to water has been observed in the western districts of Rajasthan particularly Jaisalmer, Bikaner, Barmer and Jodhpur.

To the east of Aravallis the depth to water is comparatively shallow than in the west. It generally varies between less than 10 meters to 40 meters in the eastern part, whereas in the western part, it ranges between 30 meters to 80 meters. The water table slopes towards east and south-east on the eastern side, whereas it slopes towards west and north-west in west of Aravallis. However, local variations are common both in the

direction and movement of ground water. Over-exploitation and excess use of ground water has led to substantial decline in water levels which may ultimately result in drying up of aquifers in many areas of the State.

e) Ground Water Quality: In general, the chemical quality of ground water is fresh in the eastern part except in a few pockets of Bharatpur district particularly in Sewar, Nagar, Kumher and Deeg blocks where the ground water is brackish to saline. The chemical quality in major part of western Rajasthan is generally saline. However, potable ground water is found in the areas covered by sandstone and limestone of Marwar Super group, Lathi formations in Jaisalmer and Barmer districts, the Tertiaries in parts of Bikaner, Nagaur, Churu, Barmer and Jaisalmer districts and localized pockets in Quarternaries. High fluoride hazard is found in pockets in almost all the districts with varying intensity. Problem of high nitrate and other constituents beyond permissible limits of drinking and irrigation also exists in some arid districts. Increased use of fertilizers, poor sewerage system in urban conglomerate and industrial pollution has further caused deterioration in the quality of ground water.

f) Areas having Ground Water Development Prospects

Estimates reveal the fact that scope for future groundwater resource development in the state of Rajasthan is very less. As per present ground water estimates, a total of 190 block areas (out of total 237 blocks in the State) are categorised as over exploited (140 blocks) and critical (50 blocks). Remaining block areas have constraints of groundwater development due to deep water levels, its poor quality or falling in canal command areas.

However, in canal command areas, conjunctive use of groundwater & canal water is the need of the hour so as to avoid land degradation by water logging hazards and soil salinity/alkalinity.

Scope for development of saline/high fluoride ground water especially in the western Thar Desert areas exist with due care for desalination/ defluoridation. However, such areas needs to be explored and investigated prior to formulation any projects in this regard.

Since a large number of blocks have come under the over exploited category, there is urgent need of enforcement of ground water regulation, control and management strategies in alarming over exploited areas. Action to implement restrictions on installation of new wells in Notified areas may also be initiated. Implementation of feasible schemes on rainwater harvesting and artificial recharge structures in alarming areas should be taken up.

12. ✓ III. GROUND WATER RESOURCES ESTIMATION METHODOLOGY, 1997

The previous ground water resources assessment of the State was done based on the recommendations of Ground Water Estimation Committee—1984 (GEC'84). The GEC'84 methodology was subsequently modified in the light of enhanced database and new findings of experimental studies in the field of hydrogeology. The present methodology used for resources assessment is known as Ground Water Resource Estimation Methodology—1197 (GEC'97). In GEC'97, two approaches are recommended- water level fluctuation method is based on the concept of storage change due to difference between various input and output components. Input refers to recharge from rainfall and other sources and subsurface inflow into the unit assessment. Output refers to ground water draft, ground water evapotranspiration, base flow to streams and subsurface outflow from the unit. Since the data on subsurface inflow/ outflow are not readily available, it is advantageous to adopt the unit for ground water assessment as basin/ sub-basin/ watershed, as the inflow/ outflow across these boundaries may be taken as negligible.

Ground water resources assessment unit is in general watershed particularly in hard rock areas. In case of alluvium areas, administrative block can also be the assessment unit. In each assessment unit, hilly areas having slope more than 20% are deleted from the total area to get the area suitable for recharge. Further, areas where the quality of ground water is beyond the usable limits should be identified and handled separately. The remaining area after deleting the hilly area and separating the area with poor ground water quality is to be delineated into command and non-command areas. Ground water assessment in command and non-command areas are done separately for monsoon and non-monsoon seasons.

3.1 Ground Water Recharge

Monsoon season

The resources assessment during monsoon season is estimated as the sum total of the change in storage and gross draft. The change in storage is computed by multiplying water level fluctuation between pre and post monsoon periods with the area of assessment and specific yield. Monsoon recharge can be expressed as-

$$R = h \times S_y \times A + D_G$$

Where,

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h = rise in water level in the monsoon season

Λ = area for computation of recharge

S_y = specific yield

D_G = gross ground water draft

The monsoon ground water recharge has two components – rainfall recharge and recharge from other sources. Mathematically it can be represented as –

$$R(\text{Normal}) = R_{rf}(\text{Normal}) + R_c + R_{sw} + R_t + R_{gw} + R_{wc}$$

Where,

R_{rf} is the normal monsoon rainfall recharge. The other sources of ground water recharge during monsoon season include R_c , R_{sw} , R_t , R_{gw} , R_{wc} which are recharge from rainfall, seepage from canals, surface water irrigation, tanks and ponds, ground water irrigation, water conservation structures respectively.

The rainfall recharge during monsoon season computed by Water Level Fluctuation (WLF) method is compared with recharge figures from Rainfall Infiltration Factor (RIF) method. In case the difference between the sets of data more than 20%, then RIF figure is considered, otherwise monsoon recharge from WLF is adopted. While adopting the rainfall recharge figures, weightage is to be given to WLF method over ad-hoc norms method of RIF. Hence, wherever the difference between RIF & WLF is more than 20%, data have to be scrutinized and corrected accordingly.

Non-Monsoon Season

During non-monsoon season, rainfall recharge is computed by using Rainfall Infiltration Factor (RIF) method. Recharge from other sources is then added to get total non-monsoon recharge. In case of areas receiving less than 10% of the annual rainfall during non-monsoon season, the rainfall recharge is ignored.

Total Annual Ground Water Recharge

The total annual ground water recharge of the area is the sum total of monsoon and non-monsoon recharge. An allowance is kept for natural discharge in the non-monsoon season by deducting 5% of total annual ground water recharge, if WLF method is employed to compute rainfall recharge during monsoon season and 10% of total annual ground water recharge if RIF method is employed. The balance ground water available accounts for existing ground water withdrawal for various uses and potential for future development. This quantity is termed as Net Ground Water Availability.

Net Ground Water Availability = Annual Ground Water -- Natural Discharge during Recharge non-monsoon season

Norms for Estimation of Recharge

GEC'97 methodology has recommended norms for various parameters being used in ground water recharge estimation. These norms vary depending upon water bearing formations and agro climatic conditions. While norms for specific yield and recharge from rainfall values are to be adopted within the guidelines of GEC'97, in case of other parameters like seepage from canals, return flow from irrigation, recharge from tanks and ponds, water conservation structures, results of specific case studies may replace the ad-hoc norms.

3.2 Ground Water Draft

The gross yearly ground water draft is to be calculated for Irrigation, Domestic and Industrial uses. The gross ground water draft would include the ground water extraction from all existing ground water structures during monsoon as well as during non-monsoon period. While the number of ground water structures should preferably be based on latest well census, the average unit draft from different types of structures should be based on specific studies or adhoc norms given in GEC'97 report.

3.3 Stage of Ground Water Development & Categorization of Units

The Stage of Ground Water Development is defined by

$$\text{Stage of Ground Water} = \frac{\text{Existing Gross Ground Water Draft for All uses}}{\text{Development (\%)}} \times 100$$

Categorization of Areas for Ground Water Development

The units of assessment are categorized for ground water development based on two criteria –a) Stage of Ground Water Development, and b) Long Term Trend of pre and post monsoon water levels. Four categories are -- **Safe** areas which have ground water potential for development; **Semi-Critical** areas where cautious ground water development is recommended; **Critical** areas; and **Over-Exploited** areas where there should be intensive monitoring and evaluation and future ground water development be linked with water conservation measures.

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The criteria for categorization of assessment units are as follow:

| S.No. | Stage of Ground Water Development | Significant Long Term Decline | | Categorization |
|-------|-----------------------------------|-------------------------------|--------------|------------------|
| | | Pre-monsoon | Post-monsoon | |
| 1 | <= 70% | No | No | SAFE |
| | | Yes/No | No/Yes | To be reassessed |
| | | Yes | Yes | To be reassessed |
| 2 | >70% and <= 90% | No | No | SAFE |
| | | Yes/No | No/Yes | SEMI-CRITICAL |
| | | Yes | Yes | To be reassessed |
| 3 | >90% and <=100% | No | No | To be reassessed |
| | | Yes/No | No/Yes | SEMI-CRITICAL |
| | | Yes | Yes | CRITICAL |
| 4 | > 100% | No | No | To be reassessed |
| | | Yes/No | No/Yes | OVER-EXPLOITED |
| | | Yes | Yes | OVER-EXPLOITED |

Note: 'To be reassessed' means that data are to be checked and reviewed. If the ground water resource assessment and the trend of long-term water levels contradict each other, this anomalous situation requires a review of the ground water resource computation, as well as reliability of water level data.

The long-term water level data should preferably be for the period of 10 years. The significant rate of water level decline may be taken from 10 to 20 cm per year depending upon the local hydrogeological conditions.

3.4 Allocation of Ground Water resource for Utilization

The Net Annual Ground Water Availability is to be apportioned between domestic, industrial and irrigation uses. Among these, as per the National Water Policy, 2002, requirement for domestic water supply is to accorded priority. The requirement for domestic and industrial water supply is to be kept based on population as projected to the year 2025. The water available for irrigation use is obtained by deducting the allocation for domestic and industrial use, from the net annual ground water availability.

Poor Quality Ground Water

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Computation of ground water recharge in poor quality ground water is to done on the same lines as described above. However, in saline areas, there may be practical difficulty due to non-availability of data, as there will usually be no observation wells in such areas. Recharge assessment in such cases may be done based on rainfall infiltration factor method.

3.6 Apportioning of Ground Water Assessment from Watershed to Development Unit

Where the assessment unit is a watershed, the ground water assessment is converted in terms of an administrative unit such as block/ taluka/ mandal. This is done by converting the volumetric resource into depth unit and then multiplying this depth with the corresponding area of the block.

3.5 Additional Potential recharge

In shallow water table areas, particularly in discharge areas, rejected recharge would be considerable and water level fluctuation are subdued resulting in underestimation of recharge. In the area where the ground water level is less than 5m below ground level or in waterlogged areas, ground water resources have to be estimated upto 5m bgl only based on the following equation—

$$\text{Potential Ground Water Recharge} = (5-D) \times A \times \text{Sp. Yield}$$

Where,

D = Depth to water table below ground surface in pre-monsoon season in shallow aquifers

A = Area of shallow water table zone.

IV COMPUTATION OF GROUND WATER RESOURCES ESTIMATION IN RAJASTHAN

4 (a) Salient features of Ground water Resources Assessment:

Ground Water Assessment in the State of Rajasthan has been carried out in association with Ground Water Department, Rajasthan as on March, 2004 based on guidelines of Ground Water Estimation Committee (GEC), 1997. Block (Panchayat Samities) has been considered as assessment unit. The blocks have been further divided into formation potential zones.

There are a total of 237 blocks and 657 formation potential zones in 32 districts of the State. Water level trends for the last 10 years (1994-2003) and water level fluctuations for the last 5 years (1999-2003) were considered for groundwater recharge estimation while groundwater draft were assessed as on March 2004. Groundwater requirement for domestic & industrial purposes were projected for the year 2025 AD.

As per the estimates, Rajasthan has net ground water availability of the tune of 10382.58 mcm while existing gross ground water draft for all purposes is of the magnitude of 12991.20 mcm. Stage of groundwater development in the State is 125.13 %. Allocation for domestic & industrial purposes for next 25 years is kept of the order of 2719.77 mcm. Categorisation of blocks considering level of groundwater development and ground water level trend is as follows:

| | | | |
|---------------------|----|-------------------|-----|
| 1. Safe | 32 | 3. Critical | 50 |
| 2. Semi-critical | 14 | 4. Over exploited | 140 |
| Saline block | | | 01 |

4 (b) Norms for computation of resources

i) Specific yield

Specific yield values for alluvium formation was taken in the range of 0.06 to 0.15 depending on degree of compaction. Specific yield for semi-consolidated sedimentaries i.e. for Lathi sandstone and Tertiary sandstone have been taken in the range of 0.06-0.07 and 0.04-0.06 respectively. Specific yield for various consolidated and other formations considered for computations is given in table- II of Norms Adopted.

ii) Rainfall Infiltration Factor (RIF)

RIF for alluvial areas has been taken from 0.06 to 0.18 depending on rainfall distribution. Such values for Semi-consolidated Lathi basin area has been considered of the tune of 0.03 to 0.07 % while for tertiary formation it was 0.03 to 0.05%.

Table- II NORMS ADOPTED

| Formation | Symbol | Sp. Yield | R.I.F. | DW | DW with pump | Yield (in lpd) DCB/Cavity well | TW |
|--------------------|--------|-----------------|--------------|---------------|-----------------|----------------------------------|-------------------|
| Alluvium | A | 0.06 -- 0.15 | 0.06 -- 0.18 | 20000 - 70000 | 50000 - 2,50000 | 1,00000 - 1,50000 | 60000 - 3,00000 |
| Older Alluvium | Ao | 0.05-- 0.12 | 0.06 --0.18 | 25000 - 45000 | 50000 - 1,20000 | 50000 - 1,50000 | 60000 - 1,60000 |
| Baisakhi Sandstone | BSKH | 0.04 | 0.05 | - | - | - | - |
| Basalt | B | 0.01 -- 0.0175 | 0.02 --0.08 | 30000 - 60000 | 40000 - 80000 | - | 45000 - 1,00000 |
| Bhadesar Series | Bd | 0.04 | 0.025 | - | - | - | 20000 - 30000 |
| Granite | G/Gr | 0.01 -- 0.02 | 0.03 --0.08 | 20000 - 45000 | 30000 - 90000 | 25000 | 40000 - 1,50000 |
| Gneisses | Gn | 0.01 --0.025 | 0.02 --0.07 | 20000 - 50000 | 25000 - 65000 | - | 50000 - 80000 |
| Lathi | L | 0.06 --0.07 | 0.03 --0.07 | - | 25000 | 260,000 | 1,00000 - 2,70000 |
| Lime Stone | Lst | 0.015 --0.07 | 0.03 --0.10 | 30000 - 70000 | 40000- 2,50000 | 70000 - 1,50000 | 70000 - 3,00000 |
| Parewar Form. | P | 0.04 | 0.05 | - | - | - | 1,73000 - 4,76000 |
| Phyllite/ Schist | Ph/Sc | 0.0115 --0.0225 | 0.02 --0.08 | 20000 - 60000 | 30000 - 1,20000 | - | 35000 - 1,25000 |
| Quartzite | Q | 0.01 --0.02 | 0.06 --0.08 | 25000 - 50000 | 45000 - 75000 | - | 1,00000 - 1,50000 |
| Rhyolite | R | 0.015 --0.02 | 0.05 --0.07 | 25000 | 50000 | 40000 - 65000 | 50000 - 65000 |
| Schist | Sc | 0.015 --0.02 | 0.03 --0.08 | 25000 - 50000 | 35000 - 70000 | - | 50000 - 70000 |
| Quartzite/Slate | Q/SI | 0.02 | 0.07 | 25000 | 75000 | - | 90000 |
| Shale | Sh | 0.01 --0.015 | 0.03 --0.07 | 25000 - 30000 | 35000 - 50000 | - | 45000 - 90000 |
| Sand Stone | Ss | 0.01 --0.04 | 0.06 --0.15 | 20000 - 40000 | 50000 - 1,25000 | 55000 - 1,00000 | 60000 - 2,16000 |
| Tert. Sand Stone | T | 0.04 --0.06 | 0.03 --0.05 | - | - | - | 1,20000 - 2,70000 |
| Ultra basics | Ub | 0.0125 | 0.03 | 35000 | 45000 | - | 50000 |

Seepage from Tanks & Ponds

Seepage Factor

2% to 9% of Live Storage in Hard Rock Formations.
15% of Live storage in Alluvium Formations or 1.40 mm/day of water spread area.

Seepage from Canals

Seepage Factor

0.015 to 0.03 mcm/ day/ million sq.m. of wetted area (in lined canals)
0.075 to 0.15 mcm/ day/ million sq.m. of wetted area (in unlined canals)

Return Flow from Surface Water Irrigation

Seepage Factor

10% to 30% of water applied

Return Flow from Ground Water Irrigation

Seepage Factor

5% to 25% of water applied

Natural Discharge

5% of gross recharge when water level fluctuation value has been accepted.
10% of gross recharge when rainfall infiltration factor value has been accepted.

Except in the following cases

20% of gross recharge in non-command area & 50% in command area of all blocks of Banswara district.

Reason: Aquifers in these areas are of hard rock formations which can not hold water for a longer time. Also, there is well developed drainage system of perennial Mahi river.

50% of gross recharge in command area of Keshorai Patan block of Bundi district.

Reason: This block falls in the command area of Chambal river which is a perennial river with a well developed drainage system.

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iii) Seepage from Tanks and ponds

Seepage factor of 2% to 9% of Live storage in Hard rock areas and 15% of Live storage in Alluvial formation areas have been taken for estimations. Alternatively, value of 1.4 mm/day of water spread has been taken.

iv) Seepage from canal

Seepage factor of 0.015 to 0.15 and 0.03 to 0.15 mcm/day/million sq.m of wetted area have been considered for lined and unlined canals respectively.

v) Return Flow from Surface Water Irrigation

Seepage factor of 10% to 30% of water applied have been taken depending on type of crops and depth to water table.

vi) Return Flow from Ground Water Irrigation

Seepage factor of 5% to 25% of water applied have been taken depending on type of crops and depth to water table.

vii) Natural discharge

Natural discharge of the magnitude of 5% and 10% of gross recharge were taken for Water Level Fluctuation and Rainfall Infiltration Factor Method respectively, except in Banswara, Dungarpur & Bundi districts where formations are quite hard and massive and therefore higher values were considered.

viii) Ground Water Draft

Groundwater draft has been estimated differently for groundwater abstraction structures mainly dug well, Dug well with pump, Dug cum bore well and tube well considering unit draft and average period of operation. Details of norms adopted for draft calculations in various have been furnished in table of Norms Adopted.

4 (c) Spatial Variation of Groundwater Recharge & Development Scenario

Rajasthan State witnesses wide spectrum of hydrogeological conditions and availability of groundwater resources as well. Groundwater recharge in Thar desert areas of Western Rajasthan is mostly less owing to arid climatic conditions (low rains & high evaporation) and ground water development is also relatively less due to constraints of deep groundwater levels & inferior quality as well as availability of canal water in parts. Due to availability of canal water and poor quality of groundwater the Ganganagar and Hanumangarh districts therefore falls in safe category, Churu district in Semi-critical and Bikaner & Jaisalmer districts in critical category. Hard rock areas of Aravalli hills are vulnerable to water crisis during spell of drought due to their limited scope for dynamic recharge groundwater.

Groundwater development in alluvial plain areas especially on either side of Aravalli Hill Range is on higher side and most of the blocks falls in over exploited category.

4(d) Comparison with the earlier groundwater resources estimate

Efforts have been made to compare groundwater resource scenario as on 1.1.1990 (estimated as per GEC 1984 methodology) and as on March 2004 (estimated as per GEC 1997 methodology) for knowing change in groundwater resources and also to have idea of refinement in these two methodologies (Table-III). The estimates reveal annual recharge to groundwater of the magnitude of 10801.49 and 10382.58 mcm as on 1990 & 2004 respectively. There was significant increase in gross groundwater irrigation draft during this period i.e. from 5820.94 mcm to 12991.20 mcm. Similarly, stage of groundwater development has increased from 53.89% in 1990 to 125.13% in 2004.

4(e) Groundwater Recharge in Poor Ground Water Quality Zone

Rajasthan being arid State of India, significant volume of saline groundwater resources exist especially in its western parts. Availability of poor groundwater resources in the State has been assessed of the tune of 3104.09 mcm while its gross draft of 500.94 mcm leaving balance of 2603.16 mcm of water for future use for salt tolerant crops etc.

4(f) Additional annual potential recharge

Additional potential recharge under specific conditions of water logging / shallow water table areas in Bharatpur district have been found in Bharatpur district and is about 31.1423 mcm in volume. Similar resources of 0.4334 mcm have also been estimated in the district of Banswara.

Table III Comparison of 1990 & 2004 figures:

| | 1990(1984 Methodology) | 2004 |
|---------------------------|-------------------------|--------------|
| Ground Water Recharge | 10801.49 mcm | 10382.58 mcm |
| Ground Water Draft | 5820.94 mcm | 12991.20 mcm |
| Stage of GW Development | 53.89 % | 125.13 % |
| Category of Blocks | | |
| Safe | 148 | 32 |
| Semi-Critical | 31 | 14 |
| Critical | 13 | 50 |
| Over-Exploited | 44 | 140 |
| Saline | 1 | 1 |

GROUND WATER RESOURCES OF RAJASTHAN AS ON 31.3.2004

| District | Area | Potential zone area | Net Annual Ground Water Availability | Existing Gross Ground Water draft for irrigation (mcm) | Gross G.W. Draft for Dom. & Industrial use (mcm) | Existing Gross Ground Water Draft for all uses (mcm) | Allocation for Dom. & Indu. requirement as on year 2025 (mcm) | Net Ground Water Availability for future Irr. Development (mcm) | Present Ground Water Balance (mcm) | Stage of G.W. Development (%) | Annual Potential Recharge (mm) |
|-------------|----------|---------------------|--------------------------------------|--|--|--|---|---|------------------------------------|-------------------------------|--------------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Ajmer | 8481.00 | 7466.76 | 319.5646 | 346.5292 | 46.0579 | 392.3871 | 102.6046 | -129.3692 | -72.8225 | 122.79 | |
| Alwar | 8720.46 | 6825.81 | 790.3739 | 1079.8122 | 64.1005 | 1143.9127 | 120.8226 | -410.2609 | -553.5388 | 144.73 | |
| Banswara | 5037.00 | 4288.92 | 174.6797 | 113.3865 | 14.0832 | 127.4697 | 24.7078 | 36.5854 | 47.2100 | 72.97 | 0.4334 |
| Baran | 6955.31 | 6892.21 | 453.5528 | 331.5596 | 19.8583 | 351.4179 | 42.1455 | 79.8477 | 102.1349 | 77.48 | |
| Barnali | 28387.00 | 12734.65 | 256.4579 | 215.9820 | 51.0262 | 267.0082 | 81.2021 | -40.7262 | -10.5503 | 104.11 | |
| Bharatpur | 5044.10 | 3412.52 | 453.6358 | 412.1820 | 40.9769 | 453.1589 | 78.3800 | -36.9262 | 0.4769 | 99.89 | 31.1423 |
| Bhilwara | 10455.00 | 9354.85 | 390.3628 | 429.1839 | 23.6875 | 452.8714 | 75.9095 | -114.7306 | -62.5086 | 116.01 | |
| Bikaner | 30381.75 | 13602.51 | 227.0832 | 156.44 | 58.4882 | 214.9282 | 87.7435 | -17.1003 | 12.1550 | 94.65 | |
| Bundi | 5500.00 | 4240.18 | 260.2785 | 259.5785 | 22.2244 | 282.1029 | 56.0603 | -55.6603 | -21.8245 | 108.39 | |
| Chittorgarh | 10856.00 | 8277.87 | 394.3927 | 547.4095 | 14.3609 | 561.7704 | 65.6317 | -218.6485 | -167.3777 | 142.44 | |
| Churu | 13792.95 | 5191.74 | 128.9806 | 74.5198 | 22.0740 | 96.5938 | 57.7965 | -3.3356 | 32.3868 | 74.89 | |
| Dausa | 3420.17 | 3085.62 | 261.1392 | 304.2717 | 26.1848 | 330.4565 | 60.2600 | -103.3925 | -69.3173 | 126.54 | |
| Dholpur | 3009.05 | 2049.90 | 225.2432 | 223.1844 | 16.8365 | 240.0209 | 35.7771 | -33.72 | -14.7777 | 106.56 | |
| Dungarpur | 3770.00 | 2634.13 | 127.9347 | 99.0732 | 7.0404 | 106.1136 | 35.7529 | -6.8914 | 21.8211 | 82.94 | |
| Ganganagar | 11603.65 | 1545.60 | 312.5205 | 138.9000 | 2.8105 | 141.7105 | 7.0263 | 166.5943 | 170.8100 | 45.34 | |
| Hanumangarh | 9579.54 | 1278.50 | 191.9700 | 156.9915 | 5.0225 | 162.0140 | 11.0688 | 23.9097 | 29.9560 | 84.40 | |
| Jaipur | 11061.44 | 9994.67 | 609.2532 | 919.9622 | 216.8946 | 1136.8568 | 410.2900 | -720.9990 | -527.6036 | 186.60 | |
| Jaisalmer | 38401.00 | 12090.04 | 60.0938 | 41.0438 | 18.4254 | 59.4692 | 23.8820 | -4.8320 | 0.6246 | 98.96 | |
| Jalore | 10640.00 | 8228.10 | 432.3349 | 749.3790 | 32.7360 | 782.1150 | 74.3410 | -39.3852 | -349.7801 | 180.90 | |
| Jhalawar | 6219.00 | 6106.16 | 430.8249 | 433.0356 | 19.9799 | 453.0155 | 46.2123 | -48.4230 | -22.1906 | 105.15 | |
| Jhunjhunu | 5928.00 | 5273.69 | 235.1238 | 399.3276 | 71.0289 | 470.3565 | 130.1400 | -294.3438 | -235.2327 | 200.05 | |
| Jodhpur | 22250.00 | 18867.92 | 375.6419 | 621.6240 | 119.8130 | 741.4370 | 182.4611 | -428.4434 | -365.7952 | 197.38 | |
| Karauli | 5038.60 | 3902.42 | 331.0237 | 363.9078 | 46.7226 | 410.6304 | 79.2982 | -112.1823 | -79.6067 | 124.05 | |
| Kota | 5203.94 | 5123.17 | 406.4651 | 433.3880 | 37.3617 | 470.7497 | 72.2035 | -99.1264 | -64.2846 | 115.82 | |
| Nagaur | 17718.25 | 16378.50 | 548.3694 | 774..5041 | 146.9680 | 921.2721 | 228.8970 | -454.8317 | -372.9028 | 168.00 | |
| Pali | 12357.00 | 7362.54 | 282.1619 | 295.7790 | 27.0048 | 322.7838 | 54.4331 | -68.0502 | -40.6219 | 114.40 | |
| Rajsamand | 4625.46 | 3540.09 | 94.1489 | 105.4616 | 8.8349 | 114.2965 | 36.4160 | -47.7287 | -20.1476 | 121.40 | |
| S. Madhopur | 5020.65 | 4325.63 | 366.4393 | 340.4321 | 73.5158 | 413.9479 | 121.5800 | -95.5728 | -47.5086 | 112.96 | |
| Sikar | 7380.85 | 7263.46 | 312.0180 | 372.1101 | 45.2121 | 417.3222 | 83.4661 | -143.5582 | -105.3042 | 133.75 | |
| Sirohi | 5136.00 | 4075.70 | 272.7438 | 265.8342 | 6.8400 | 272.6742 | 17.6779 | -10.7683 | 0.0696 | 99.97 | |
| Tonk | 7200.00 | 6525.72 | 391.6293 | 311.6809 | 65.8187 | 377.4996 | 131.7300 | -51.7817 | 14.1296 | 96.39 | |
| Udaipur | 12643.54 | 8229.48 | 266.136 | 282.636 | 20.2023 | 302.839 | 83.8540 | -100.3542 | -36.7025 | 113.79 | |
| Total | 34226.71 | 220169.06 | 10382.5781 | 11599.0104 | 1392.1914 | 12991.2018 | 2719.7713 | -3936.2036 | -2608.6237 | 125.13 | 31.5757 |

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GROUND WATER RESOURCES IN POOR GROUND WATER QUALITY AREAS OF RAJASTHAN AS ON 31.3.2004

| District | Area (Sq.Km.) | Potential zone area (Sq.Km.) | Net Annual Ground Water Availability (mcm) | Existing Gross Ground Water draft for Irrigation (mcm) | Draft for Dom. & Industrial use (mcm) | Existing Gross G.W. Ground Water Draft for all uses (mcm) | Present Ground Water Balance (mcm) | Stage of G.W. Development (%) |
|-------------|------------------|------------------------------------|---|---|---|--|--|-------------------------------------|
| 1 | 2 | 3.00 | 4 | 5 | 6 | 7 | 8 | 9 |
| Ajmer | 8481.00 | - | - | - | - | - | - | - |
| Alwar | 3720.46 | 376.40 | 40,4087 | 19,8915 | 0,3885 | 20,2800 | 20,1287 | 51.19 |
| Banswara | 5037.00 | - | - | - | - | - | - | - |
| Baran | 6955.31 | - | - | - | - | - | - | - |
| Barmer | 28387.00 | 15441.09 | 265,8844 | 9,1955 | 3,1872 | 12,3827 | 253,5017 | 45.56 |
| Bharatpur | 5044.10 | 1339.00 | 166,0511 | 104,2668 | 1,2684 | 105,5352 | 60,5159 | 62.56 |
| Bhilwara | 10455.00 | - | - | - | - | - | - | - |
| Bikaner | 30381.75 | 16779.24 | 250,3576 | - | - | - | - | - |
| Bundi | 5500.00 | - | - | - | - | - | - | - |
| Chittorgarh | 10856.00 | - | - | - | - | - | - | - |
| Churu | 13792.95 | 8601.21 | 162,9032 | 0,0000 | 0,0000 | 0,0000 | 162,9032 | 0.55 |
| Dausa | 3420.17 | - | - | - | - | - | - | - |
| Dholpur | 3009.05 | - | - | - | - | - | - | - |
| Dungarpur | 3770.00 | - | - | - | - | - | - | - |
| Ganganagar | 11603.65 | 10058.00 | 960,9139 | 72,8856 | 0,1260 | 73,0116 | 887,9023 | 7.60 |
| Hanumangarh | 9579.54 | 8301.10 | 722,9011 | 170,5014 | 0,2030 | 170,7044 | 552,1967 | 23.61 |
| Jaipur | 11061.44 | 340.06 | 19,4435 | 15,6521 | 0,0000 | 15,6521 | 3,7914 | 80.50 |
| Jaisalmer | 38401.00 | 26054.96 | 158,2288 | 0,1600 | 0,6177 | 0,7777 | 157,4512 | 0.49 |
| Jalore | 10640.00 | 2023.43 | 87,4808 | 22,3236 | 0,6624 | 22,9860 | 64,4948 | 26.28 |
| Jhalawar | 6219.00 | - | - | - | - | - | - | - |
| Jhunjhunu | 5928.00 | 119.78 | 3,6635 | 1,3620 | 0,5767 | 1,9387 | 1,7248 | 52.92 |
| Jodhpur | 22250.00 | 3321.80 | 89,1820 | 10,4864 | 2,0142 | 12,5006 | 76,6814 | 14.02 |
| Karauli | 5038.60 | - | - | - | - | - | - | - |
| Kota | 5203.94 | - | - | - | - | - | - | - |
| Nagaur | 17718.25 | 1339.75 | 49,9563 | 7,5420 | 3,0880 | 10,6300 | 39,3263 | 21.28 |
| Pali | 12357.00 | 3188.85 | 112,2712 | 44,3309 | 1,1579 | 45,4888 | 66,7824 | 65.60 |
| Rajsamand | 4635.46 | - | - | - | - | - | - | - |
| S. Madhopur | 5020.65 | - | - | - | - | - | - | - |
| Sikar | 7880.85 | 93.46 | 4,0456 | 1,7904 | 0,0000 | 1,7904 | 2,2552 | 44.25 |
| Sirohi | 5136.00 | - | - | - | - | - | - | - |
| Tonk | 7200.00 | 295.00 | 10,4020 | 7,2570 | 0,0000 | 7,2570 | 3,1450 | 69.77 |
| Udaipur | 12643.54 | - | - | - | - | - | - | - |
| Total | 342326.71 | 97673.13 | 3104,0937 | 487,6452 | 13,2900 | 500,9352 | 2603,1586 | 16.14 |

1 of Ground Water Resources Assessment between Year 2001 & Year 2004

UNIT: MCM

| Particulars | 2001 | 2004 | Remarks |
|----------------------------------|-------------|-------------|----------------|
| E : | | | |
| Recharge | | | |
| Annual ground water availability | 11158.97 | 10382.58 | |
| WATER DRAFT : | | | |
| On Draft | 10453.52 | 11599.01 | 90% |
| S & Ind. Draft | 1181.26 | 1392.19 | 10% |
| S Draft | 11634.78 | 12991.20 | |
| WATER BALANCE | (-) 475.81 | (-) 2608.62 | |
| .W. DEVELOPMENT (%) | 104.26 | 125.13 | |
| OF BLOCKS (ASSESSED) | 236 | 236 | |
| itical | 49 | 32 | |
| Dolited | 21 | 14 | |
| | 80 | 50 | |
| | 86 | 140 | |

COMPARISON OF CATEGORY OF BLOCKS 1.1.2001 & 31.3.2004

| S.No. | DISTRICT | No. of Blocks | CATEGORY OF BLOCKS | | | | CATEGORY OF BLOCKS | | | |
|-------|---------------|---------------|--------------------|-------|----------|------|--------------------|-------|----------|------|
| | | | Safe | S.Cr. | Critical | O.E. | Safe | S.Cr. | Critical | O.E. |
| | | | 2001 | | | | 2004 | | | |
| 1 | AJMER | 8 | - | 1 | 4 | 3 | - | - | 2 | 6 |
| 2 | ALWAR | 14 | - | 1 | 2 | 11 | - | - | 1 | 13 |
| 3 | BANSWARA | 8 | 6 | 2 | - | - | 1 | 6 | 1 | - |
| 4 | BARAN | 7 | 2 | 3 | 2 | - | 3 | 1 | 1 | 2 |
| 5 | BARMER | 8 | - | 1 | 2 | 5 | 1 | - | 2 | 5 |
| 6 | BHARATPUR | 9 | 6 | - | 1 | 2 | 5 | 1 | - | 3 |
| 7 | BHILWARA | 11 | - | - | 8 | 3 | - | - | 3 | 8 |
| 8 | BIKANER | 5 | 3 | - | 2 | - | 2 | - | 1 | 2 |
| 9 | BUNDI | 4 | 2 | - | 2 | - | - | - | 2 | 2 |
| 10 | CHITTORGARH | 14 | - | 1 | 4 | 9 | - | 1 | - | 13 |
| 11 | CHURU* | 6 | 2 | - | 2 | 1 | 3 | - | 1 | 1 |
| 12 | DAUSA | 5 | - | - | 2 | 3 | - | - | - | 5 |
| 13 | DHOLPUR | 4 | 1 | - | 3 | - | 1 | - | 1 | 2 |
| 14 | DUNGARPUR | 5 | - | 1 | 4 | - | 1 | 2 | 2 | - |
| 15 | GANGANAGAR | 7 | 7 | - | - | - | 7 | - | - | - |
| 16 | HANUMANGARH | 3 | 3 | - | - | - | 3 | - | - | - |
| 17 | JAIPUR | 13 | 2 | - | 1 | 10 | - | - | 2 | 11 |
| 18 | JAISALMER | 3 | 1 | 1 | 1 | - | 1 | - | - | 2 |
| 19 | JALORE | 7 | - | - | 1 | 6 | - | - | - | 7 |
| 20 | JHALAWAR | 6 | - | 1 | 5 | - | - | - | 4 | 2 |
| 21 | JHUNJHUNU | 8 | - | - | 1 | 7 | 1 | - | - | 7 |
| 22 | JODHPUR | 9 | 1 | - | 3 | 5 | 1 | 1 | 2 | 5 |
| 23 | KARAULI | 5 | 2 | 1 | 2 | - | - | 1 | 1 | 3 |
| 24 | KOTA | 5 | 2 | 2 | - | 1 | - | - | 1 | 4 |
| 25 | NAGAUR | 11 | - | 1 | 4 | 6 | 1 | 1 | 2 | 7 |
| 26 | PALI | 10 | 1 | 1 | 6 | 2 | - | - | 5 | 5 |
| 27 | RAJSAMAND | 7 | - | - | 6 | 1 | - | - | 2 | 5 |
| 28 | SAWAIMADHOPUR | 5 | 3 | 1 | 1 | - | - | - | 3 | 2 |
| 29 | SIKAR | 8 | 1 | 1 | 1 | 5 | 1 | - | - | 7 |
| 30 | SIROHI | 5 | - | - | 3 | 2 | - | - | 3 | 2 |
| 31 | TONK | 6 | 4 | 2 | - | - | - | - | 5 | 1 |
| 32 | UDAIPUR | 11 | - | - | 7 | 4 | - | - | 3 | 8 |
| | TOTAL | 237 | 49 | 21 | 80 | 86 | 32 | 14 | 50 | 140 |

* Tara Nagar block of Churu district has not been assessed as entire block has saline ground water.

LIST OF BLOCKS FALLING IN DIFFERENT CATEGORIES AS ON 31.3.2004

| S.No. | District | No. of Blocks | Safe | Semi-Critical | Critical | Over-Exploited |
|-------|-----------|---------------|--|--|--------------------------------------|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | Ajmer | 8 | - | - | 1. Kekri 2. Masuda | 1. Arain 2. Bhinai 3. Jawaja 4. Pisangan 5. Silora 6. Srinagar |
| 2 | Alwar | 14 | - | - | 1. Thanagazi | 1. Behror 2. Bansur 3. Kathumar 4. Kishangarh 5. Kotkasim 6. Laxmangarh 7. Mandawar 8. Neemrana 9. Rajgarh 10. Ramgarh 11. Reni 12. Tijara 13. Umrain |
| 3 | Banswara | 8 | 1. Peepalkhunt | 1. Anandpuri 2. Bagidora 3. Ghatol 4. Kushalgarh 5. Sajjangarh 6. Talwara | 1. Garhi | - |
| 4 | Baran | 7 | 1. Chhabra 2. Kishanganj 3. Shahbad | 1. Chippabarovd | 1. Anta 2. Baran | 1. Atru 2. Baran |
| 5 | Barmer | 8 | 1. Barmer | - | 1. Chohtan 2. Sindhri | 1. Baetu 2. Balotra 3. Dhorimanna 4. Siwana 5. Sheo |
| 6 | Bharatpur | 9 | 1. Deeg 2. Kaman 3. Kumher 4. Nagar 5. Roopwas | 1. Bayana | | 1. Nadbai 2. Sewar 3. Weir |
| 7 | Bhilwara | 11 | - | - | 1. Kotri 2. Sahada 3. Shahpura | 1. Asind 2. Banera 3. Hurda 4. Jahajpur 5. Mandal 6. Mandalgarh 7. Raipur 8. Suwana |

| S.No. | District | No. of Blocks | Safe | Semi-Critical | Critical | Over-Exploited |
|-------|-------------|---------------|---|-------------------------------|-------------------------------|--|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | Bikaner | 5 | 1.Lunkaransar 2. Kolayat | - | 1.Dungargarh | 1. Bikaner 2. Nokha |
| 9 | Bundi | 4 | | - | 1. Kesorai Patan 2. Talera | 1. Hindoli 2. Nainwa |
| 10 | Chittorgarh | 14 | - | 1. Bhainsrorgarh | - | 1. Arnod 2.Bari Sadri 3. Begun 4. Bhadesar 5. Bhopalsagar 6. ChhotiSadri 7. Chittorgarh 8. Dungla 9. Gangrar 10 Kapasan 11. Nimbahera 12. Pratapgarh 13 Rashmi |
| 11 | Churu | 6 | 1. Churu 2. Ratangarh 3. Sardarshahar | - | 1. Sujangarh | 1.Rajgarh |
| 12 | Dausa | 5 | - | - | - | 1. Bandikui 2. Dausa 3. Lalsot 4. Mahua 5. Sikrai |
| 13 | Dholpur | 4 | 1. Bari | - | 1. Baseri | 1.Dholpur 2. Rajakhera |
| 14 | Dungarpur | 5 | 1. Aspur | 1. Bichhiwara 2. Dungarpur | 1. Sagwara 2. Simalwara | - |
| 15 | Ganganagar | 7 | 1. Anupgarh 2. Ganganagar 3. Karanpur 4. Padampur 5. Raisingh nagar 6. Sadulshahar 7. Suratgarh | - | - | - |
| 16 | Hanumangarh | 3 | 1. Bhadra 2 Hanumangarh 3. Nohar | - | - | - |

| S.No. | District | No. of Blocks | Safe | Semi-Critical | Critical | Over-Exploited |
|-------|-----------|---------------|------------|---------------|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 17 | Jaipur | 13 | | - | 1. Dudu 2. Phagi 3. Bassi 4. Chaksu 5. Govindgarh 6. Jamwa Ramgarh 7. Jhotwara 8. Kotputli 9. Sambher 10. Sanganer 11. Shahpura | 1. Amer 2. Bairath 3. Bassi 4. Chaksu 5. Govindgarh 6. Jamwa Ramgarh 7. Jhotwara 8. Kotputli 9. Sambher 10. Sanganer 11. Shahpura |
| 18 | Jaisalmer | 3 | 1. Sam | - | - | 1. Jaisalmer 2. Sankra |
| 19 | Jalore | 7 | - | - | - | 1. Ahore 2. Bhinmal 3. Jalore 4. Jaswantpura 5. Raniwara 6. Sanchore 7. Sayla |
| 20 | Jhalawar | 6 | - | | 1. Bakani 2. Dag 3. Jhalra Patan 4. Khanpur | 1. Manohar Thana 2. Pirawa - - |
| 21 | Jhunjhunu | 8 | 1. Alsisar | - | - | 1. Buhana 2. Chirawa 3. Jhunjhunu 4. Khetri 5. Nawalgarh 6. Surajgarh 7. Udaipurwati |
| 22 | Jodhpur | 9 | 1. Bap | 1. Phalodi | 1. Luni 2. Shergarh | 1. Balesar 2. Bhopalgarh 3. Bilara 4. Mandore 5. Osian |
| 23 | Karauli | 5 | | 1. Nadauti | 1. Sapotra | 1. Hindaun 2. Karauli 3. Todabhim |
| 24 | Kota | 5 | | | 1. Sultanpur | 1. Itawa 2. Khairabad 3. Ladpura 4. Sangod |

| S.No. | District | No. of Blocks | Safe | Semi-Critical | Critical | Over-Exploited |
|-------|---------------|---------------|-------------|---------------|--|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 25 | Nagaur | 11 | 1. Nagaur | 1. Ladnu | 1. Jayal 2. Makrana | 1. Degana 2. Didwana 3. Kuchaman 4. Merta 5. Mundwa 6. Parbatsar 7. Riyan |
| 26 | Pali | 10 | | | 1. Bali 2. Desuri 3. Pali 4. Raipur 5. Rohit | 1. Jaitaran 2. Kharchi 3. Rani 4. Sojat 5. Sumerpur |
| 27 | Rajsamand | 7 | - | - | 1. Railmagra 2. Rajsamand | 1. Amet 2. Bhim 3. Deogarh 4. Khamnor 5. Kumbhalgarh |
| 28 | Sawaimadhopur | 5 | | | 1. Bamanwas 2. Bonli 3. Khandar | 1. Gangapur 2. Sawai Madhopur |
| 29 | Sikar | 8 | 1. Fatehpur | | | 1. Danta Ramgarh 2. Dhod 3. Khandella 4. Lachhmangarh 5. Neem Ka Thana 6. Piprali 7. Sri Madhopur |
| 30 | Sirohi | 5 | - | | 1. Abu Road 2. Pindwara 3. Sirohi | 1. Reodar 2. Sheoganj |
| 31 | Tonk | 6 | | | 1. Deoli 2. Malpura 3. Newai 4. Toda Rai Singh 5. Tonk | 1. Uniara |
| 32 | Udaipur | 11 | - | | 1. Kherwara 2. Kotra 3. Sarada | 1. Badgaon 2. Bhinder 3. Dhariawad 4. Girwa 5. Gogunda 6. Jhadol 7. Mavli 8. Salumber |
| | Total | 237 | 32 | 14 | 50 | 140 |

Taranagar block of Churu district has not been assessed as entire block has saline ground water

GROUND WATER POTENTIAL OF AJMER DISTRICT AS ON 31.3.2004

| Block | Area of Block | Type of Area | Potential Zone | Net Annual Ground Water Availability | Gross Ground Water Availability (Sq.Km.) | Existing Gross Ground Water Availability (mcm) | Existing Gross G.W. Draft for Dom. & Industrial Use (mcm) | Net Allocation for Dom. & Industrial Requirement for the Year 2025 (mcm) | G.W. availability for future Irrigation Development (mcm) | Stage of G.W. Development (%) | Whether Significant Decline in Pre-Monsoon Water Level (Yes/No) | Whether Significant Decline in Post-Monsoon Water Level (Yes/No) | Category | Annual Potential Recharge (mcm) | | |
|--------------------------|---------------|--------------|----------------|--------------------------------------|--|--|---|--|---|-------------------------------|---|--|----------|---------------------------------|----|------|
| | | | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | |
| Arain | 1194.4 | NC Gn | 1064.01 | 37.8179 | 34.5084 | 3.7982 | 38.3066 | 12.0343 | -8.7248 | 101.29 | YES | YES | - | - | - | O.E. |
| Total of Block | | | 1064.01 | 37.8179 | 34.5084 | 3.7982 | 38.3066 | 12.0343 | -8.7248 | 101.29 | YES | YES | - | - | - | O.E. |
| Bhaini | 1216.19 | NC Gn | 1150.82 | 37.0594 | 38.5668 | 4.4150 | 42.9818 | 13.0162 | -14.5236 | 115.98 | YES | YES | - | - | - | O.E. |
| Total of Block | | | 1150.82 | 37.0594 | 38.5668 | 4.4150 | 42.9818 | 13.0162 | -14.5236 | 115.98 | YES | YES | - | - | - | O.E. |
| Jawaja | 674.51 | NC Scl | 180.06 | 9.1758 | 12.0060 | 2.3856 | 14.3916 | 4.0300 | -6.8602 | 156.84 | YES | YES | - | - | - | O.E. |
| | NC Sc2 | | 127.50 | 5.8077 | 5.3472 | 1.8009 | 7.1481 | 3.0000 | -2.5395 | 123.08 | YES | YES | - | - | - | O.E. |
| | NC Gn1 | | 106.15 | 4.0474 | 4.3328 | 0.9662 | 5.2990 | 1.2006 | -1.4860 | 130.92 | YES | YES | - | - | - | O.E. |
| | NC Gn2 | | 70.62 | 3.3511 | 5.0568 | 0.6263 | 5.6831 | 0.7987 | -2.5044 | 169.59 | YES | YES | - | - | - | O.E. |
| Total of Block | | | 484.33 | 22.3821 | 26.7428 | 5.7790 | 32.5218 | 9.0293 | -13.3900 | 145.3 | YES | YES | - | - | - | O.E. |
| Kekri | 985.92 | NC A | 91.87 | 25.7333 | 21.5865 | 2.3269 | 23.9134 | 2.8000 | 1.3468 | 92.93 | YES | YES | - | - | - | O.E. |
| | NC Gn1 | | 617.74 | 29.4927 | 25.1496 | 1.7414 | 26.8910 | 6.9868 | -2.6437 | 91.18 | YES | YES | - | - | - | O.E. |
| | NC Gn2 | | 180.06 | 8.5666 | 8.9448 | 1.2184 | 10.1632 | 2.0650 | -2.4432 | 118.64 | YES | YES | - | - | - | O.E. |
| Total of Block | | | 889.67 | 63.7925 | 55.6809 | 5.2867 | 60.9676 | 11.8518 | -3.7402 | 95.57 | YES | YES | - | - | - | O.E. |
| Masuda | 891.99 | NC Sc | 183.44 | 7.6247 | 6.3636 | 1.0903 | 7.4539 | 2.0748 | -0.8137 | 97.76 | YES | YES | - | - | - | O.E. |
| | NC Gn | | 633.56 | 23.1197 | 18.7824 | 3.5124 | 22.2948 | 7.1658 | -2.8285 | 96.43 | YES | YES | - | - | - | O.E. |
| Total of Block | | | 817.00 | 30.7444 | 25.1460 | 4.6027 | 29.7487 | 9.2406 | -3.6422 | 96.76 | YES | YES | - | - | - | O.E. |
| Pisangan | 1239.91 | NC A | 240.62 | 19.6717 | 34.6824 | 3.5219 | 38.2043 | 8.8048 | -23.8155 | 194.21 | YES | YES | - | - | - | O.E. |
| | NC Scl | | 53.69 | 1.4423 | 1.6680 | 0.2394 | 1.9074 | 0.6073 | -0.8330 | 132.25 | YES | YES | - | - | - | O.E. |
| | NC Sc2 | | 628.45 | 27.2478 | 46.8819 | 3.9281 | 50.8100 | 7.1080 | -26.7421 | 186.47 | YES | YES | - | - | - | O.E. |
| | NC Gn | | 185.29 | 5.8391 | 4.9638 | 0.7556 | 5.7194 | 2.0957 | -1.2204 | 97.95 | YES | YES | - | - | - | O.E. |
| Total of Block | | | 1108.05 | 54.2009 | 88.1961 | 8.4450 | 96.6411 | 18.6158 | -52.6110 | 178.3 | YES | YES | - | - | - | O.E. |
| Silora | 1245.09 | NC Sc | 566.74 | 25.1653 | 26.8086 | 2.5090 | 29.3176 | 6.6101 | -8.2534 | 116.5 | YES | YES | - | - | - | O.E. |
| | NC Gn | | 446.14 | 17.7299 | 17.8284 | 1.7746 | 19.6030 | 5.0460 | -5.1445 | 110.56 | YES | YES | - | - | - | O.E. |
| Total of Block | | | 1012.88 | 42.8952 | 44.6370 | 4.2836 | 48.9206 | 11.6561 | -13.3979 | 114.05 | YES | YES | - | - | - | O.E. |
| Srinagar | 1032.99 | NC Sc | 262.69 | 10.6747 | 15.6036 | 6.7569 | 22.3605 | 9.5000 | -14.4289 | 209.47 | YES | YES | - | - | - | O.E. |
| | NC Gn1 | | 181.75 | 4.2542 | 3.9564 | 0.7238 | 4.6802 | 2.0556 | -1.7578 | 110.01 | YES | YES | - | - | - | O.E. |
| Total of Block | | | 940.00 | 30.6722 | 32.8512 | 9.4477 | 42.2989 | 17.1605 | -3.1528 | 96.92 | YES | YES | - | - | - | O.E. |
| TOTAL OF DISTRICT | | | 7466.76 | 319.5646 | 346.3292 | 46.0579 | 392.3871 | 102.6046 | -129.3692 | 122.79 | | | | | | |

GROUND WATER POTENTIAL OF ALWAR DISTRICT AS ON 31.3.2004

GROUND WATER RECHARGE,EXTRACTION & STAGE OF GROUND WATER DEVELOPMENT

| Block | Area of Block | Type of Area | Potential Zone | Poten-tial Zone Area | Net Annual Ground Water Availability | Existing Gross Ground Water | Existing Gross Ground Water | Draft for Dom. & Ind. Use | Draft for All Uses | Allocation for Dom. & Industrial Requ'mnt for the Year 2025 | Net G.W. Availability for Future | Stage of G.W. Development | Whether Significant Decline in Post-Monsoon Water Level | Category | Annual Potential Recharge (mcm) |
|---------------------------------------|---------------|--------------|----------------|----------------------|--------------------------------------|-----------------------------|-----------------------------|---------------------------|--------------------|---|----------------------------------|---------------------------|---|----------|---------------------------------|
| | | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| Behror | 351.69 | NC | Ao | 334.6 | 42.3712 | 86.697 | 5.8583 | 92.5553 | 9.03 | -53.3558 | 218.44 | YES | YES | O.E. | |
| Bansur | 664.43 | NC | Ao | 604.12 | 68.4041 | 75.6 | 2.955 | 78.555 | 5.58 | -12.7759 | 114.84 | YES | YES | O.E. | |
| Kathumar | 569.99 | NC | Ao | 362.35 | 59.8219 | 88.017 | 3.035 | 91.052 | 8.05 | -36.2451 | 152.21 | NO | YES | O.E. | |
| Kishangarh | 526.46 | NC | Ao | 351.76 | 51.546 | 73.512 | 3.9274 | 77.4394 | 8.2718 | -30.2378 | 150.23 | YES | YES | O.E. | |
| | | NC | Q | 61.46 | 3.0382 | 6.804 | 0.5785 | 7.3825 | 0.6558 | -4.4216 | 242.99 | YES | YES | | |
| Total of Block | | | | 413.22 | 54.5842 | 80.316 | 4.5059 | 84.8219 | 8.9276 | -34.6594 | 155.4 | YES | YES | O.E. | |
| Kotkasim | 344.43 | NC | Ao | 306.59 | 54.8936 | 87.339 | 2.8616 | 90.2006 | 3.32 | -35.7654 | 164.32 | YES | YES | O.E. | |
| Laxmangarh | 623.95 | NC | Ao | 415.01 | 41.9708 | 62.598 | 2.3199 | 64.9179 | 7.9 | -28.5272 | 154.67 | NO | YES | O.E. | |
| Mandawar | 577.26 | NC | Ao | 545.78 | 66.9387 | 115.068 | 3.1091 | 118.1771 | 5.38 | -53.5093 | 176.55 | YES | YES | O.E. | |
| Neemrana | 378.82 | NC | Ao | 327.43 | 34.1387 | 56.442 | 4.0088 | 60.4508 | 4.45 | -26.7533 | 177.07 | YES | YES | O.E. | |
| Rajgarh | 1034.21 | NC | Ao | 78.8 | 8.7666 | 13.932 | 2.14 | 16.072 | 6.0427 | -11.2081 | 183.33 | YES | YES | O.E. | |
| | | NC | Q | 377.15 | 24.8483 | 30.735 | 1.806 | 32.541 | 3.5076 | -9.3943 | 130.96 | YES | YES | | |
| Total of Block | | | | 455.95 | 33.6149 | 44.667 | 3.946 | 48.613 | 9.5503 | -20.6024 | 144.62 | YES | YES | O.E. | |
| Ramgarh | 616.97 | NC | Ao | 568.46 | 74.1658 | 80.916 | 3.6172 | 84.5332 | 6.24 | -12.9902 | 113.98 | NO | YES | O.E. | |
| Reni | 392.05 | NC | Ao | 248.23 | 22.4541 | 31.107 | 0.9326 | 32.0396 | 2.3 | -10.9529 | 142.69 | YES | YES | O.E. | |
| | | NC | Q/SI | 82.81 | 4.1806 | 9.792 | 0.5847 | 10.3767 | 0.77 | -63.814 | 248.21 | YES | YES | | |
| Total of Block | | | | 331.04 | 26.6347 | 40.899 | 1.5173 | 42.4163 | 3.07 | -17.3343 | 159.25 | YES | YES | O.E. | |
| Thanagazi | 1060.33 | NC | Ao | 168.38 | 21.6572 | 17.964 | 0.9731 | 18.9371 | 1.1314 | 2.5618 | 87.44 | YES | YES | O.E. | |
| | | NC | Q/SI | 584.55 | 29.296 | 26.8062 | 1.6903 | 28.4965 | 3.9286 | -1.4388 | 97.27 | YES | YES | | |
| Total of Block | | | | 752.93 | 50.9532 | 44.7702 | 2.66634 | 47.4336 | 5.06 | -11.123 | 93.09 | YES | YES | Critical | |
| Tijara | 673.48 | NC | Ao | 611.52 | 82.6019 | 120.597 | 5.3505 | 125.9475 | 14.48 | -52.4751 | 152.48 | YES | YES | O.E. | |
| Umrain | 906.39 | NC | Ao | 690.04 | 89.6734 | 83.037 | 15.8322 | 98.8692 | 25.8268 | -19.1904 | 110.25 | YES | YES | | |
| | | NC | Q | 106.77 | 9.6668 | 12.849 | 2.5203 | 15.3693 | 3.9579 | -7.2001 | 159.98 | YES | YES | | |
| Total of Block | | | | 796.81 | 99.2802 | 95.886 | 18.3595 | 114.2385 | 29.7847 | -26.3905 | 115.07 | YES | YES | O.E. | |
| Total of District (Pot. Zones) | | | | 6825.81 | 790.3739 | 1079.812 | 64.1005 | 1143.913 | 120.8226 | -410.2609 | 144.73 | YES | YES | O.E. | |
| Kathumar | NC | Ao(S) | 200.89 | 26.0569 | 13.7925 | 0.1989 | 13.9914 | 0 | 12.2644 | 53.7 | | | | | |
| Laxmangarh | NC | Ao(S) | 175.51 | 14.3518 | 6.099 | 0.1896 | 6.2886 | 0 | 8.2528 | 43.82 | | | | | |
| Total of saline zones | | | 376.4 | 40.4087 | 19.8915 | 0.3885 | 20.28 | 0 | 20.5172 | 50.19 | | | | | |

GROUND WATER POTENTIAL OF BANSWARA DISTRICT AS ON 31.3.2004
GROUND WATER RECHARGE, EXTRACTION & STAGE OF DEVELOPMENT

| Block | Area (Sq.Km.) | Comm./ Non- Comm./ Saline | Pot. Zone | Pot. Zone Area | Net Annual G.W. Availa- bility (mcm.) | Agri- culture Draft (mcm) | Dom. & Indus. Draft (mcm) | Annual gross draft (mcm) | Allocated for Dom. & Indu. Irrg. Requ. for 2025 devel. (mcm) | G.W. Develop- ment (mcm) | Stage of G.W. Develop- ment (%) | Decline in Pre- mon. water level (Yes/No) | Decline in Post- mon. water level (Yes/No) | Potential Recharge (mcm) | |
|--------------|------------------|------------------------------------|--------------|----------------------|--|------------------------------------|---------------------------------------|-----------------------------------|--|-----------------------------------|---|--|---|--------------------------------|--------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| Anandpuri | 337.40 | NC | Ph/Sc | 329.38 | 11.1171 | 6.9012 | 1.1344 | 6.0356 | 1.7825 | 2.4334 | 72.28 | NO | YES | | |
| S.TOTAL | BLOCK | | | 329.38 | 11.1171 | 6.9012 | 1.1344 | 6.0356 | 1.7825 | 2.4334 | 72.28 | NO | YES | S.Cr. | |
| Bagidora | 522.34 | NC | Ph/Sc | 337.99 | 11.7673 | 7.4334 | 1.0111 | 8.4445 | 1.9922 | 2.3417 | 71.76 | NO | YES | | |
| C | Ph/Sc | | | 162.5 | 8.2304 | 5.5494 | 0.7848 | 6.3342 | 0.8897 | 1.7913 | 76.96 | YES | NO | | |
| S.TOTAL | BLOCK | | | 500.49 | 19.9977 | 12.9828 | 1.7959 | 14.7787 | 2.8819 | 4.1330 | 73.90 | NO | YES | S.Cr. | |
| Garhi | 710.55 | C | Gn | 70.92 | 1.8421 | 1.5600 | 0.2752 | 1.8352 | 0.2480 | 0.0341 | 99.63 | YES | YES | | |
| C | Ph/Sc | | | 629.52 | 19.6128 | 15.2181 | 2.7419 | 17.9600 | 4.1052 | 0.2895 | 91.57 | YES | YES | | |
| S.TOTAL | BLOCK | | | 700.44 | 21.4549 | 16.7781 | 3.0171 | 19.7952 | 4.3532 | 0.3236 | 92.26 | YES | YES | Critical | |
| Ghatoli | 778.40 | NC | Gn | 188.75 | 7.9514 | 5.4600 | 0.3876 | 5.8476 | 1.0850 | 1.4064 | 73.54 | NO | NO | | 0.4334 |
| C | Gn | | | 244.39 | 10.7521 | 9.3696 | 0.8709 | 10.2405 | 1.2600 | 0.1225 | 95.24 | YES | YES | | |
| NC | Ph/Sc | | | 181.52 | 6.5796 | 3.5340 | 0.4314 | 3.9654 | 0.8114 | 2.2342 | 60.27 | NO | NO | | |
| C | Ph/Sc | | | 66.25 | 3.4073 | 2.6812 | 0.2183 | 3.0995 | 0.5385 | -0.0124 | 90.97 | YES | YES | | |
| NC | | | | 370.27 | 14.5310 | 8.9940 | 0.8190 | 9.8130 | 1.8964 | 3.6406 | 67.53 | | | | 0.4334 |
| C | | | | 310.64 | 14.1594 | 12.2508 | 1.0892 | 13.3400 | 1.7985 | 0.1101 | 94.21 | | | | |
| S.TOTAL | BLOCK | | | 680.91 | 28.6904 | 21.2448 | 1.9082 | 23.1530 | 3.6949 | 3.7507 | 80.70 | YES | NO | | |
| Kushthalgarh | 651.80 | NC | B | 507.89 | 16.3964 | 11.5470 | 1.1322 | 12.6792 | 2.2570 | 2.5924 | 77.33 | NO | YES | | |
| S.TOTAL | BLOCK | | | 507.89 | 16.3964 | 11.5470 | 1.1322 | 12.6792 | 2.2570 | 2.5924 | 77.33 | NO | YES | S.Cr. | |
| Pipalkhund | 884.23 | NC | Gn | 168.12 | 6.2001 | 4.7268 | 0.2942 | 5.0210 | 0.4663 | 1.0070 | 80.98 | YES | NO | | |
| NC | B | | | 435.79 | 25.8130 | 10.0128 | 0.7285 | 10.7413 | 1.8561 | 13.9441 | 41.61 | NO | NO | | |
| S.TOTAL | BLOCK | | | 603.91 | 32.0131 | 14.7396 | 1.0227 | 15.7623 | 2.3224 | 14.9511 | 49.24 | NO | NO | Safe | |
| Sajjangarh | 392.29 | NC | Ph/Sc | 276.22 | 8.5225 | 5.3310 | 0.7826 | 6.1136 | 1.7851 | 1.4064 | 71.73 | NO | YES | | |
| NC | B | | | 73.75 | 1.9575 | 1.2960 | 0.2752 | 1.5712 | 0.3701 | 0.2914 | 80.27 | NO | NO | | |
| S.TOTAL | BLOCK | | | 349.97 | 10.4800 | 6.6270 | 1.0578 | 7.6848 | 2.1552 | 1.6978 | 73.33 | NO | YES | S.Cr. | |
| Talwara | 759.93 | C | Lst | 80.62 | 5.7876 | 5.0100 | 0.2657 | 5.2757 | 0.7605 | 0.0171 | 91.16 | YES | YES | | |
| NC | Gn | | | 93.75 | 5.8412 | 4.0140 | 0.2263 | 4.2403 | 0.7493 | 1.0779 | 72.59 | NO | NO | | |
| C | Gn | | | 220.56 | 10.4805 | 7.6560 | 2.0688 | 9.7248 | 2.7438 | 0.0807 | 92.79 | YES | YES | | |
| NC | B | | | 221 | 12.4208 | 5.8860 | 0.4541 | 6.3401 | 1.0071 | 5.5277 | 51.04 | NO | NO | | |
| NC | | | | 314.75 | 18.2620 | 9.9000 | 0.6804 | 10.5804 | 1.7564 | 6.6056 | 57.94 | | | | |
| C | | | | 301.18 | 16.2681 | 12.665 | 2.3345 | 15.0005 | 3.5043 | 0.0572 | 92.22 | | | | |
| S.TOTAL | BLOCK | | | 615.93 | 34.5301 | 22.565 | 3.0149 | 25.5809 | 5.2607 | 6.7054 | 74.05 | YES | NO | | |
| TCAL | NC | | | 2814.16 | 114.5669 | 66.1422 | 6.8576 | 72.9998 | 14.1621 | 34.2626 | 63.72 | | | | 0.4334 |
| C | | | | 1474.76 | 60.1128 | 47.2443 | 7.2256 | 54.4699 | 10.5457 | 2.3228 | 90.61 | | | | |
| G.TOTAL | 5036.94 | DISTRICT | | 4288.92 | 174.6797 | 113.3865 | 14.0832 | 127.4697 | 24.7078 | 36.5854 | 72.97 | | | | 0.4334 |

GROUND WATER POTENTIAL OF DISTRICT BARAN AS ON 31.03.2004

| GROUND WATER RECHARGE, DRAFT, EXTRACTION & STAGE OF GROUND WATER DEVELOPMENT, DISTRICT BARAN | | | | | | | | | | | | | | |
|--|----------------------------------|----------------------------|------------------|--|--|---|---|---|--|--|---------------------------------------|--|----------|--|
| Block | Area of block (km ²) | Type of Water bearing area | Water formati on | Potential zone area (km ²) | Net ground water availability (Mm ³) | Existing gross ground water draft for irrigation use (Mm ³) | Existing gross GW draft for dom.& industrial use (Mm ³) | Existing gross ground water draft for dom.& industrial use (Mm ³) | Allocation on for dom. & industrial use (Mm ³) | Net GW availability for future all uses (Mm ³) | Stage of ground water development (%) | Whether significant decline in post-monsoon water level (yes/no) | Category | Annual potential recharge (Mm ³) |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 16 |
| Amra | 949.01 | Command Ls1 | | 540.34 | 46.7127 | 37.5372 | 1.5586 | 39.0958 | 3.4585 | 5.717 | 83.69 | No | Ycs | |
| Amra | 949.01 | Non-con Ss2 | | 288.66 | 21.679 | 28.486 | 0.8213 | 29.3073 | 1.962 | -8.769 | 135.19 | Ycs | Ycs | |
| Amra | 949.01 | Non-con Ss | | 120 | 7.2056 | 6.21 | 0.3687 | 6.5787 | 0.8623 | 0.1333 | 91.3 | No | Ycs | |
| Total of Block | | | | 949 | 75.5973 | 72.2332 | 2.7486 | 74.9818 | 6.2828 | -2.9187 | 99.19 | Yes | Critical | |
| Amru | 860.3 | Command Ss1 | | 61.73 | 4.5989 | 3.06 | 0.2227 | 3.2827 | 0.4518 | 1.0871 | 71.38 | Yes | Ycs | |
| Amru | 860.3 | Non-con Ss2 | | 644.81 | 40.5395 | 37.452 | 2.1699 | 39.6219 | 4.6813 | -1.5938 | 97.74 | Yes | No | |
| Amru | 860.3 | Non-con Ls | | 139.93 | 9.7351 | 14.1084 | 0.4449 | 14.5574 | 0.94 | -5.3133 | 149.54 | Yes | Ycs | |
| Total of Block | | | | 846.47 | 54.8735 | 54.6204 | 2.8416 | 57.462 | 6.0731 | -5.82 | 104.72 | Yes | O.E. | |
| Bazar | 626.21 | Command A1 | | 125.5 | 20.209 | 14.219 | 0.449 | 14.668 | 0.6205 | 5.3695 | 72.58 | No | Ycs | |
| Bazar | 626.21 | Non-con A2 | | 176.3 | 23.6733 | 22.767 | 0.7191 | 23.4861 | 1.5695 | -0.6632 | 99.21 | Yes | Ycs | |
| Bazar | 626.21 | Non-con Ls | | 204.3 | 13.4915 | 23.746 | 0.5585 | 24.3045 | 1.168 | -11.423 | 180.15 | Ycs | Ycs | |
| Bazar | 626.21 | Non-con Ss | | 120.11 | 6.55 | 8.802 | 1.2045 | 10.0065 | 2.7833 | -5.0353 | 152.77 | Yes | No | |
| Total of Block | | | | 626.21 | 63.9238 | 69.534 | 2.9311 | 72.4651 | 6.1413 | -11.752 | 113.36 | Yes | O.E. | |
| Chhabra | 790.79 | Non-con Ss | | 274.97 | 18.4897 | 11.8284 | 1.2702 | 13.0986 | 2.8105 | 3.8508 | 70.84 | No | No | |
| Chhabra | 790.79 | Non-con B | | 498.4 | 34.0669 | 26.3265 | 1.2337 | 27.5602 | 2.546 | 5.1944 | 80.9 | No | No | |
| Total of Block | | | | 773.37 | 52.5566 | 38.1549 | 2.5039 | 40.6588 | 5.3565 | 9.0452 | 77.36 | No | Safe | |
| Chinabbarod | 828.76 | Non-con Ss | | 336.1 | 21.7022 | 20.1015 | 0.7994 | 20.9009 | 1.8798 | -0.2791 | 96.31 | Yes | Ycs | |
| Chinabbarod | 828.76 | Non-con B | | 468.4 | 31.5302 | 24.545 | 1.679 | 26.2224 | 3.8508 | 3.1344 | 83.17 | No | No | |
| Total of Block | | | | 804.5 | 53.2324 | 44.6465 | 2.4784 | 47.1249 | 5.7306 | 2.8553 | 88.53 | Yes | S.Cr. | |
| Kishangani | 1430.98 | Command Ss1 | | 143.66 | 17.5782 | 4.315 | 0.3979 | 4.7129 | 0.5568 | 12.706 | 26.81 | No | No | |
| Kishangani | 1430.98 | Non-con Ss2 | | 1286.06 | 59.1772 | 18.7236 | 3.1043 | 21.8279 | 7.1268 | 33.327 | 36.89 | No | No | |
| Total of Block | | | | 1429.72 | 76.7554 | 23.0386 | 3.5022 | 26.5408 | 7.6836 | 46.033 | 34.58 | No | S.Cr. | |
| Shahdol | 1469.26 | Non-con Ss | | 825.8 | 51.5411 | 17.61 | 1.9473 | 19.5573 | 2.8563 | 31.075 | 37.95 | No | No | |
| Shahdol | 1469.26 | Non-con Sh | | 637.14 | 25.0727 | 11.722 | 0.9052 | 12.6272 | 2.0213 | 11.329 | 50.36 | No | No | |
| Total of District | | | | 1462.94 | 76.6138 | 29.332 | 2.8525 | 32.1845 | 4.8776 | 42.404 | 42.01 | No | Safe | |
| Total of District | | | | 871.23 | 89.0988 | 59.1312 | 2.6282 | 61.7594 | 5.0876 | 24.88 | 69.32 | | | |
| Total of District | | | | 6020.98 | 364.454 | 272.4284 | 17.2301 | 289.659 | 37.058 | 54.9668 | 79.48 | | | |
| Total of District | | | | 6892.21 | 453.553 | 331.5596 | 19.8583 | 351.418 | 42.146 | 79.848 | 77.48 | | | |

GROUND WATER POTENTIAL OF BARNIER DISTRICT AS ON 31.3.2004
GROUND WATER RECHARGE,EXTRACTION & STAGE OF GROUND WATER DEVELOPMENT

| Block | Area of Block | Type of Area | Poten-tial Zone | Potential zone area | Net Annual Ground Water Availability | Gross W. Draft for Irrigation | Gross G. W. Draft for Dom. & Ind. Use | Existing (mem) | Existing (mem) | Existing (mem) | Ground Water Draft for all uses | Net G.W. | Stage of G.W. | Whether significant decline in Pre-mon W.L. | Category | Annual Potential Recharge (mm) |
|------------------------------|---------------|--------------|-----------------|---------------------|--------------------------------------|-------------------------------|---------------------------------------|----------------|----------------|----------------|---------------------------------|----------|---------------|---|----------|--------------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| Bacu | 3228.03 | NC | "T" | 425.00 | 3,60621 | 1,7136 | 8,4150 | 10,1286 | | 12,7639 | -10,8713 | 280,87 | | | | |
| | NC | "L2" | | 51.56 | 0,4571 | 0,2912 | 0,1254 | 0,4166 | | 0,2253 | -0,0594 | 91,14 | NO | YES | | |
| Saline | "Ao(S)" | | | 513,44 | 6,5350 | 0,0000 | 0,0000 | 0,0000 | | 0,0000 | 0,0000 | 6,5350 | 0 | | | |
| Saline | "I(S)" | | | 1727,43 | 18,3220 | 0,0000 | 0,2970 | 0,2970 | | 0,1706 | 18,1514 | 1,62 | | | | |
| Saline | "L(S)" | | | 124,66 | 1,3222 | 0,0000 | 0,0216 | 0,0216 | | 0,0188 | 1,3034 | 1,63 | | | | |
| Saline | "R(S)" | | | 385,94 | 4,0935 | 0,0000 | 0,0691 | 0,0691 | | 0,0616 | 4,0319 | 1,69 | | | | |
| Total of Block (Excl.Saline) | | | | 476,56 | 4,0633 | 2,0048 | 8,5404 | 10,5452 | | 12,9892 | -10,9307 | 259,52 | YES | YES | O.F. | |
| Babutra | 3471,47 | NC | "A" | 85,63 | 5,7395 | 19,0344 | 5,5620 | 24,5964 | | 7,9161 | -21,2565 | 428,55 | | | | |
| | NC | "Ao1" | | 385,94 | 7,6247 | 0,1184 | 0,5166 | 0,6350 | | 0,7672 | 6,7391 | 8,33 | | | | |
| | NC | "Ao2/1" | | 126,06 | 2,4888 | 0,0000 | 0,2205 | 0,2205 | | 0,3337 | 2,1551 | 8,86 | | | | |
| | NC | "Ao2/2" | | 162,50 | 5,3874 | 4,2690 | 0,8070 | 5,0670 | | 1,2471 | -0,1197 | 94,05 | | | | |
| Saline | "R1" | | | 92,19 | 1,1614 | 0,1760 | 0,1695 | 0,3455 | | 0,3166 | 0,6688 | 29,75 | | | | |
| Saline | "A(S)" | | | 194,06 | 4,7984 | 0,0691 | 0,0000 | 0,0691 | | 0,0000 | 4,7293 | 1,44 | | | | |
| Saline | "Ao(S)" | | | 2320,72 | 68,7248 | 0,0000 | 0,2820 | 0,2820 | | 0,3470 | 68,3778 | 0,41 | | | | |
| | | "R(S)" | | 104,37 | 1,2878 | 0,0000 | 0,0615 | 0,0615 | | 0,0675 | 0,1024 | 1,1854 | 5,24 | | | |
| Total of Block (Excl.Saline) | | | | 852,32 | 22,4018 | 23,5588 | 7,2756 | 30,8644 | | 10,6262 | -11,8132 | 137,78 | YES | YES | O.I.. | |
| Barnier | 3811,83 | NC | "Ao1" | 266,19 | 3,4929 | 0,0800 | 0,6930 | 0,7739 | | 1,0589 | 2,3540 | 22,13 | | | | |
| | NC | "Ao2" | | 474,44 | 6,2256 | 0,3480 | 1,7325 | 2,0805 | | 2,6923 | 3,1853 | 33,42 | | | | |
| | NC | "R1" | | 1040,62 | 13,8057 | 1,1168 | 1,9410 | 3,0578 | | 1,6107 | 11,0782 | 22,15 | | | | |
| Saline | "R2" | | | 205,63 | 2,7185 | 0,1504 | 0,3405 | 0,4909 | | 0,5167 | 2,0514 | 18,06 | | | | |
| Saline | "Ao(S)" | | | 1086,89 | 14,2621 | 0,0000 | 0,2742 | 0,2742 | | 0,3053 | 13,9568 | 1,92 | | | | |
| Saline | "R(S)" | | | 638,06 | 8,3726 | 0,0000 | 0,1168 | 0,1368 | | 0,1801 | 8,1925 | 1,63 | | | | |
| "Gr(S)" | | | | 100,00 | 1,0935 | 0,0000 | 0,0300 | 0,0300 | | 0,0284 | 1,0651 | 2,74 | | | | |
| Total of Block (Excl.Saline) | | | | 1986,88 | 26,2428 | 1,6952 | 4,7070 | 6,4022 | | 5,8786 | 18,6089 | 24,4 | YES | NO | Salt | |
| Chhatia | 3265,02 | Saline | "Ao1" | 2135,94 | 44,2899 | 34,4208 | 5,8326 | 40,3134 | | 8,8301 | 1,0390 | 91,02 | | | | |
| | | "Ao(S)" | | 1129,08 | 22,9752 | 3,9360 | 0,3660 | 4,2960 | | 0,5375 | 18,5017 | 18,7 | | | | |
| Total of Block (Excl.Saline) | | | | 2135,94 | 44,2899 | 34,4208 | 5,8926 | 40,3134 | | 8,8301 | 1,0390 | 91,02 | YES | YES | Critical | |
| Other- | 2068,32 | NC | "A1/1" | 440,31 | 15,5333 | 16,2208 | 1,2330 | 17,4538 | | 2,0284 | -2,7159 | 112,36 | | | | |
| Vani: | | NC | "A1/2" | 150,63 | 5,3332 | 5,6352 | 0,2398 | 6,3750 | | 0,9480 | -1,2500 | 119,53 | | | | |
| | NC | "A2" | | 308,75 | 10,3309 | 8,8800 | 0,3510 | 9,2310 | | 0,5347 | 0,9162 | 89,35 | | | | |
| | NC | "Ao1" | | 628,31 | 7,0056 | 11,4848 | 0,8178 | 12,3026 | | 1,2656 | -5,6548 | 174,12 | | | | |
| Saline | "Ao2" | | | 59,7300 | 8,5255 | 16,4006 | 1,175 | 12,1271 | | 2,4564 | -4,3405 | 142,24 | | | | |
| Saline | "A(S)" | | | 4014,20 | 9,1764 | 0,4224 | 1,2040 | 0,6204 | | 0,2787 | 8,4753 | 6,83 | | | | |
| Saline | "Ao(S)" | | | 139,00 | 1,9176 | 0,3040 | 1,125 | 0,4165 | | 0,1504 | 1,4572 | 21,72 | | | | |
| Total of Block (Excl.Saline) | | | | 2125,06 | 46,7886 | 52,6304 | 4,8591 | 57,4895 | | 7,2331 | -13,0750 | 122,87 | YES | YES | O.F.. | |

AGE OF GROUND WATER DEVELOPMENT

| S. | Existing G.W. for & Ind. Water Draft for all uses | Gross Ground Allocation Ind. | Net G.W. Availability for future Req'mnt. for Irrig.Dev. the year 2025 | Stage of G.W. Develop- ment. | Whether significant decline in Pre-mon W.L. | Category | Annual Potential Recharge (mm) |
|--------|---|------------------------------------|---|---------------------------------------|---|----------|---|
| | | | | | | | |
| S. | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 0.8880 | 16.7280 | 2.3283 | -3.3790 | 113.11 | | | |
| 0.5544 | 6.6744 | 0.8009 | -1.6601 | 126.87 | | | |
| 1.7067 | 13.2907 | 3.0643 | 5.3368 | 66.5 | | | |
| 0.1170 | 1.0674 | 0.1280 | 9.4652 | 10.12 | | | |
| 0.0900 | 0.6180 | 0.0995 | 29.2757 | 2.07 | | | |
| 0.0630 | 0.0630 | 0.0711 | 6.9264 | 0.9 | | | |
| 0.0744 | 0.1480 | 0.0981 | 7.0569 | 2.05 | | | |
| 3.1491 | 36.6931 | 6.1935 | 0.2977 | 91.65 | YES | Critical | |
| 0.2988 | 11.2392 | 2.5482 | -2.9951 | 107.11 | | | |
| 2.2877 | 51.1709 | 7.7471 | -9.9733 | 109.67 | | | |
| 0.0630 | 2.9750 | 0.0711 | 4.7293 | 38.57 | | | |
| 0.0000 | 0.0000 | 0.0000 | 14.0112 | 0 | | | |
| 2.5865 | 62.4101 | 10.2953 | -12.9684 | 109.2 | YES | YES | O.E. |
| 2.4948 | 3.7108 | 3.4537 | -2.5787 | 177.47 | | | |
| 1.5147 | 1.8171 | 1.4683 | -0.4689 | 139.58 | | | |
| 0.5544 | 0.5544 | 0.3004 | 0.2844 | 94.8 | | | |
| 7.1427 | 10.7267 | 6.6540 | -8.9099 | 259.85 | | | |
| 8800 | 2.3520 | 2.8031 | -1.5628 | 145.88 | | | |
| 256 | 1.4256 | 1.8687 | -0.3872 | 96.23 | | | |
| 8840 | 1.5840 | 2.4193 | -0.6702 | 90.56 | | | |
| 597 | 0.0597 | 0.1270 | 1.4286 | 3.84 | | | |
| 600 | 0.0600 | 0.0616 | 0.9202 | 6.11 | | | |
| 208 | 0.8208 | 1.0512 | 15.6312 | 4.92 | | | |
| 630 | 0.0630 | 0.0683 | 2.4569 | 2.49 | | | |
| 342 | 0.0342 | 0.0356 | 5.5556 | 0.61 | | | |
| 072 | 0.0072 | 0.0071 | 1.8008 | 0.4 | | | |
| 159 | 22.2903 | 19.1561 | -11.9445 | 143.94 | YES | O.E. | |
| 262 | 267.0082 | 81.2021 | -40.7262 | 104.11 | | | |
| 872 | 12.3827 | 3.8168 | 252.8720 | 4.66 | | | |

GROUND WATER POTENTIAL OF BIHARATPUR DISTRICT AS ON 31.3.2004

| Block | Area of Block | Type of Area | Water Bearing Zone | Potential Area | Net Annual Ground Water Availability | Gross Ground Water | Existing Gross Ground Water | Existing Gross Ground Water | For Dom. & Industrial | Net G.W. | Stage of G.W. | Whether Significant Decline in Post-Monsoon Water Level | Category | Annual Potential Rec-charge. | |
|----------------------------|---------------|--------------|--------------------|----------------|--------------------------------------|--------------------|-----------------------------|-----------------------------|--|--|-----------------------------|---|----------|------------------------------|----|
| | (Sq.Km.) | | | (Sq.Km.) | (mem) | (mem) | (mem) | (mem) | Requirement For All Dom. & Irrigat. Uses | Availability For Future Irrigation Development | Development As on Year 2025 | (mem) | (Yes/No) | (mem) | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| Bayana | 808.69 | NC | Ao | 527.86 | 78.1924 | 64.4112 | 3.3763 | 67.7875 | 10.0800 | 10.4853 | 86.69 | No | YES | | |
| Total(Block) | | NC | Ss | 148.45 | 8.5879 | 7.9710 | 0.2113 | 8.1823 | 1.0600 | -0.4431 | 95.28 | YES | YES | | |
| Deeg | 492.85 | NC | Ao | 338.91 | 41.8133 | 33.7500 | 2.5889 | 36.3389 | 10.9600 | -2.8967 | 86.92 | No | SAFE | S.Cr. | |
| Kama | 562.49 | NC | Ao | 492.93 | 60.8526 | 42.4176 | 4.5464 | 46.9640 | 11.5300 | 6.9050 | 77.19 | No | SAFE | 2.3895 | |
| Kumher | 454.51 | NC | Ao | 119.08 | 16.1859 | 11.0256 | 3.0634 | 14.0890 | 6.0800 | 0.5095 | 87.08 | No | SAFE | 5.5840 | |
| Nadbai | 446.70 | NC | Ao | 281.34 | 42.6915 | 63.1080 | 2.8915 | 65.9995 | 6.6900 | -27.1065 | 154.57 | No | Yes | O.E. | |
| Nagar | 623.80 | NC | Ao | 291.36 | 45.8593 | 29.2524 | 5.0140 | 34.2664 | 5.0000 | 11.6069 | 74.72 | No | SAFE | 10.9200 | |
| Roopwas | 539.01 | NC | Ao | 501.10 | 78.2141 | 61.8330 | 4.8994 | 66.7324 | 4.8900 | 11.4911 | 85.32 | No | SAFE | 0.6528 | |
| Sevar | 509.52 | NC | Ao | 281.10 | 37.6833 | 40.0992 | 8.5129 | 48.6121 | 12.2900 | -14.7059 | 129.00 | No | Yes | O.E. | |
| Weir | 606.53 | NC | Ao | 353.44 | 38.6338 | 54.0096 | 4.8906 | 58.9002 | 8.9600 | -24.3538 | 152.46 | No | No | | |
| | NC | Q | 76.95 | 4.3044 | 4.9217 | 0.9822 | 5.2866 | 0.8400 | -0.2227 | 107.41 | Yes | Yes | | | |
| Total(Block) | | | | 430.39 | 43.5555 | 58.3140 | 5.8728 | 64.1868 | 9.8000 | -24.5585 | 147.34 | No | YES | O.E. | |
| Total of District Pot/zone | | | | 341.2 | 453.6355 | 412.1870 | 40.9769 | 453.1589 | 78.3800 | -36.9762 | 99.89 | | CRITICAL | 31.1423 | |
| Deeg | NC | AoS | | 131.91 | 17.4495 | 16.7172 | 0.0949 | 16.8121 | 0.0000 | 0.7323 | 96.35 | | | | |
| Kumher | NC | AoS | | 335.12 | 38.1324 | 26.4840 | 0.2044 | 26.6884 | 0.0000 | 11.6484 | 69.99 | | | | |
| Nadbai | NC | AoS | | 165.36 | 21.4930 | 17.0136 | 0.1478 | 17.1614 | 0.0000 | 4.4794 | 79.85 | | | | |
| Nagar | NC | AoS | | 319.68 | 48.8945 | 16.6008 | 0.3285 | 16.9293 | 0.0000 | 32.2937 | 34.62 | | | | |
| Sevar | NC | AoS | | 228.27 | 20.4888 | 12.7800 | 0.4928 | 13.2728 | 0.0000 | 7.7088 | 64.78 | | | | |
| Weir | NC | AoS | | 158.66 | 19.5929 | 14.6712 | 0.0000 | 14.6712 | 0.0000 | 4.9217 | 74.88 | | | | |
| Total of saline zone | | | | 1339.00 | 166.0511 | 104.2668 | 1.2684 | 105.5352 | 0.0000 | 61.7843 | 63.56 | | | | |

GROUND WATER POTENTIAL OF BHILWARA DISTRICT AS ON 31.3.2004

BLOCKWISE & ZONEWISE GROUND WATER RECHARGE, EXTRACTION & STAGE OF DEVELOPMENT

| Block | Area | Type of Area | Potential Zone | Poten-tial Zone Area | Net G.W. Availability | Annual G.W. Availability | Agricul-ture Draft | Dom. & Industrial Draft | Annual Gross Draft for All Uses | Allocation for Dom. & Indus. | G.W. | Stage of G.W. Dev. | Decline in Pre-monsoon Water Level | Decline in Post-monsoon Water Level | Category | Annual Potential Recharge (mcm) |
|----------|--------------------|--------------|----------------|----------------------|-----------------------|--------------------------|--------------------|-------------------------|---------------------------------|------------------------------|--------|--------------------|------------------------------------|-------------------------------------|----------|---------------------------------|
| | | | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8,0000 | 9 | 10 | 11 | 12 | 14 | 15 | 16 | | |
| Asind | 1136.10 | NC Sc/Ph | 127.96 | 4,3639 | 5,6929 | 0.4989 | 6,1918 | 0.8041 | -2,1331 | 141.89 | YES | YES | | | | |
| | NC Gn | 780.08 | 22.4654 | 30.7979 | 1.0243 | 31.8222 | 5,1940 | -13,5265 | 141.65 | YES | YES | | | | | |
| | C Gn | 82.42 | 2,8174 | 2,6293 | 0,1872 | 2,8165 | 0,6544 | -0,4663 | 99.97 | YES | YES | | | | | |
| | NC | 908.04 | 26,8293 | 36,4908 | 1,5232 | 38,0140 | 5,9981 | -15,6596 | 141.69 | YES | YES | | | | | |
| | C | 82.42 | 2,8174 | 2,6293 | 0,1872 | 2,8165 | 0,6544 | -0,4663 | 99.97 | YES | YES | | | | | |
| | BLOCK TOTAL | | | | | 990.46 | 29,6467 | 39,1201 | 1,7104 | 40,8305 | 6,6525 | -16,1259 | 137.72 | YES | YES | O.E. |
| Banera | 687.80 | NC Sc/Ph | 504.48 | 22,4045 | 26,5591 | 0.9375 | 27,4966 | 2,7233 | -6,8779 | 122.73 | YES | YES | | | | |
| | C Sc/Ph | 34.48 | 1,4345 | 1,1828 | 0,2077 | 1,3905 | 0,4202 | -0,1685 | 96.93 | YES | YES | | | | | |
| | NC Gn | 123.62 | 4,5445 | 5,4522 | 0,8250 | 6,2772 | 1,5761 | -2,4838 | 138.13 | NO | YES | | | | | |
| | NC | 628.10 | 26,9490 | 32,0113 | 1,7625 | 33,7738 | 4,2994 | -9,3617 | 125.32 | YES | YES | | | | | |
| | C | 34.48 | 1,4345 | 1,1828 | 0,2077 | 1,3905 | 0,4202 | -0,1685 | 96.93 | YES | YES | | | | | |
| | BLOCK TOTAL | | | | | 662.58 | 28,3835 | 33,1941 | 1,9702 | 35,1643 | 4,7196 | -9,5302 | 123.89 | YES | YES | O.E. |
| Hurda | 621.80 | NC Gn | 548.66 | 16,5221 | 14,0365 | 1,4008 | 15,4373 | 3,4151 | -0,9295 | 93.43 | YES | YES | | | | |
| | C Gn | 64.10 | 2,4187 | 4,2552 | 0,1942 | 4,4494 | 0,6860 | -2,5225 | 183.96 | YES | YES | | | | | |
| | BLOCK TOTAL | | | | | 612.76 | 18,9408 | 18,2917 | 1,5950 | 19,8867 | 4,1011 | -3,4520 | 104.99 | YES | YES | O.E. |
| Jahajpur | 1089.70 | NC Sc/Ph | 865.87 | 47,3634 | 56,2524 | 1,5206 | 57,7730 | 6,8457 | -15,7347 | 121.98 | YES | YES | | | | |
| | BLOCK TOTAL | | | | | 865.87 | 47,3634 | 56,2524 | 1,5206 | 57,7730 | 6,8457 | -15,7347 | 121.98 | YES | YES | O.E. |

| Block | Area | Type of Area | Potential Zone | Poten-tial Zone Area | (Sq.Km) | (Sq.Km.) | (mem) | (mem) | (mem) | (mem) | (mem) | (mem) | Annual Gross Draft for All Uses | Dom. & Industrial Draft | Allocation for Dom. & Indus. Req'ment for the year 2025 | G.W. Availability for future Irrg. Develop-ment | Stage of G.W. Dev. | Decline in Pre-monsoon Water Level | Decline in Post-monsoon Water Level | Category | Annual Potential Recharge (mmcm) |
|------------|---------|--------------------|----------------|----------------------|---------|----------|---------|---------|--------|----------|--------|----------|---------------------------------|-------------------------|---|---|--------------------|------------------------------------|-------------------------------------|----------|----------------------------------|
| | | | | | | | | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8,0000 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | | | | | | |
| Katri | 934.00 | NC | Sc/Ph1 | 256.82 | 11.6625 | 10.336 | 0.33388 | 10.6748 | 1.5542 | -0.2277 | 91.53 | 'NO | YES | | | | | | | | |
| | | C | Sc/Ph1 | 42.51 | 2.3434 | 1.935 | 0.0415 | 1.9765 | 0.6411 | -0.2327 | 84.34 | YES | YES | | | | | | | | |
| | | NC | Sc/Ph2 | 46.13 | 2.1171 | 3.3224 | 0.0137 | 3.3361 | 0.0844 | -1.2897 | 157.58 | YES | YES | | | | | | | | |
| | | NC | Gn | 552.85 | 23.1603 | 20.9495 | 1.0217 | 21.9712 | 3.61 | -1.3992 | 94.87 | YES | YES | | | | | | | | |
| | | NC | | 855.80 | 36.9399 | 34.6079 | 1.3741 | 35.9820 | 5.2486 | -2.9166 | 97.41 | YES | YES | | | | | | | | |
| | | C | | 42.51 | 2.3434 | 1.9350 | 0.0415 | 1.9765 | 0.6411 | -0.2327 | 84.34 | YES | YES | | | | | | | | |
| | | BLOCK TOTAL | | | | 898.31 | 39.2833 | 36.5429 | 1.4156 | 37.9585 | 5.8897 | -3.1493 | 96.63 | YES | YES | Critical | | | | | |
| Mandal | 1234.20 | NC | Sc/Ph | 409.02 | 17.8897 | 20.602 | 0.5825 | 21.1845 | 2.1571 | -4.8694 | 118.42 | NO | YES | | | | | | | | |
| | | C | Sc/Ph | 22.57 | 1.1011 | 0.4137 | 0.9416 | 1.3553 | 2.7454 | -2.058 | 123.09 | NO | YES | | | | | | | | |
| | | NC | Gn | 724.36 | 24.1294 | 21.4019 | 1.2834 | 22.6853 | 4.0147 | -1.2872 | 94.02 | NO | YES | | | | | | | | |
| | | NC | | 1133.38 | 42.0191 | 42.0039 | 1.8659 | 43.8698 | 6.1718 | -6.1566 | 104.40 | NO | YES | | | | | | | | |
| | | C | | 22.57 | 1.1011 | 0.4137 | 0.9416 | 1.3553 | 2.7454 | -2.0580 | 123.09 | NO | YES | | | | | | | | |
| | | BLOCK TOTAL | | | | 1155.95 | 43.1202 | 42.4176 | 2.8074 | 45.2250 | 8.9172 | -8.2146 | 104.88 | NO | YES | O.E. | | | | | |
| Mandalgarh | 1499.10 | NC | Ss | 391.46 | 19.1812 | 19.4399 | 0.4081 | 19.8480 | 2.0142 | -2.2729 | 103.48 | NO | YES | | | | | | | | |
| | | C | Ss | 37.30 | 3.0716 | 1.7923 | 0.5400 | 2.3323 | 0.2652 | 1.0141 | 75.93 | YES | NO | | | | | | | | |
| | | NC | Ls | 60.66 | 3.4858 | 4.2134 | 0.2128 | 4.4262 | 0.1511 | -0.8787 | 126.98 | YES | YES | | | | | | | | |
| | | NC | Sc/Ph | 511.32 | 30.7692 | 47.713 | 1.3793 | 49.0923 | 1.7378 | -18.6816 | 159.55 | YES | YES | | | | | | | | |
| | | C | Sc/Ph | 31.99 | 5.2393 | 5.9428 | 0.4753 | 6.4181 | 3.0546 | -3.7581 | 122.50 | YES | YES | | | | | | | | |
| | | NC | | 963.44 | 53.4362 | 71.3663 | 2.0002 | 73.3665 | 3.9031 | -21.8332 | 137.30 | YES | YES | | | | | | | | |
| | | C | | 69.29 | 8.3109 | 7.7351 | 1.0153 | 8.7504 | 3.3198 | -2.7440 | 105.29 | YES | YES | | | | | | | | |
| | | BLOCK TOTAL | | | | 1032.73 | 61.7471 | 79.1014 | 3.0154 | 82.1168 | 7.2229 | -24.5772 | 132.99 | YES | YES | O.E. | | | | | |
| Rajpur | 524.20 | NC | Gn | 486.36 | 18.1372 | 25.0938 | 1.2812 | 26.3750 | 2.3 | -9.2566 | 145.42 | YES | YES | | | | | | | | |
| | | BLOCK TOTAL | | | | 486.36 | 18.1372 | 25.0938 | 1.2812 | 26.3750 | 2.3000 | -9.2566 | 145.42 | YES | YES | O.E. | | | | | |

| Block | Area | Type of Area | Potential Zone | Poten-tial Zone Area | (Sq.Km.) | (Sq.Km.) | Agricul-ture | Dom. & Industrial Draft | Annual Industrial Draft | Alloc-a-tion for Indus-tries & Irrig-u-ation for the Develop-ment | G.W. Availa-bility for future | Stage of G.W. Dev. | Decline in Pre-monsoon Water Level | Category | Annual Potential Recharge (mm) | |
|----------|----------|--------------------|----------------|----------------------|----------|----------|--------------|-------------------------|-------------------------|---|-------------------------------|--------------------|------------------------------------|----------|--------------------------------|--|
| | | | | | | | | | | | | | | | | |
| (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) | (15) | (16) | | |
| Sahada | 653.90 | NC | Sc/Ph | 353.21 | 564 | 9.0967 | 0.70038 | 7 | 8.0000 | 10 | 11 | 12 | 14 | 15 | 16 | |
| | | NC | Gn1 | 224.61 | 575 | 5.7598 | 0.8557 | 82 | 7.669 | 0.3536 | 84.72 | YES | YES | | | |
| | | NC | Gn2 | 56.87 | 112 | 1.8108 | 0.0482 | 590 | 0.2904 | -1.3922 | 111.05 | YES | YES | | | |
| | | BLOCK TOTAL | | 634.6900 | 19.0327 | 16.6673 | 1.6073 | 18.2746 | 3.9940 | -1.6286 | 96.02 | YES | YES | Critical | | |
| Shahpura | 1159.30 | NC | Sc/Ph | 676.01 | 719.95 | 24.582 | 0.4307 | 123 | 21.563 | 0.2812 | 92.57 | YES | YES | | | |
| | | C | Sc/Ph | 140.83 | 148 | 6.3366 | 0.175 | 10 | 6.3358 | -1.3384 | 105.58 | YES | YES | | | |
| | | NC | Gn | 279.29 | 3823 | 9.5421 | 0.4147 | 68 | 0.8614 | 0.4788 | 91.50 | YES | YES | | | |
| | | C | Gn | 29.00 | 984 | 1.0429 | 0.3330 | 79 | 1.2606 | -0.8051 | 91.96 | NO | YES | | | |
| | | NC | | 955.30 | 4018 | 34.1241 | 0.8450 | 491 | 3.6177 | 0.7600 | 92.26 | YES | YES | | | |
| | | C | | 169.83 | 78264 | 7.3735 | 0.66854 | 1589 | 2.5964 | -2.1435 | 102.97 | YES | YES | | | |
| | | BLOCK TOTAL | | 1125.13 | 7282 | 41.4976 | 1.53305 | 4.281 | 5.6141 | -1.3835 | 94.10 | YES | YES | Critical | | |
| Suwana | 914.90 | NC | Sc/Ph1 | 160.72 | 61215 | 11.4646 | 0.1710 | 356 | 1.0365 | -3.3796 | 127.56 | YES | YES | | | |
| | | C | Sc/Ph1 | 67.26 | 11322 | 2.1107 | 3.3547 | 54 | 11.5523 | -10.5308 | 174.49 | YES | YES | | | |
| | | NC | Sc/Ph2 | 70.62 | 3.0151 | 2.4433 | 0.7125 | 558 | 4.0053 | -3.4335 | 104.67 | YES | YES | | | |
| | | NC | Gn | 511.94 | 3256 | 20.0799 | 0.7412 | 20.8211 | 2.3928 | -2.1471 | 102.44 | YES | YES | | | |
| | | C | Gn | 79.47 | 3.3853 | 4.9065 | 0.2344 | 5.1609 | 0.6658 | -2.187 | 152.45 | YES | YES | | | |
| | | NC | | 743.28 | 2.4622 | 33.9878 | 1.6247 | 35.6125 | 7.4346 | -8.9602 | 109.70 | YES | YES | | | |
| | | C | | 146.73 | 6.5175 | 7.0172 | 3.6091 | 10.263 | 12.2181 | -12.7178 | 163.04 | YES | YES | | | |
| | | BLOCK TOTAL | | 890.01 | 38.9797 | 41.0050 | 5.2338 | 46.2388 | 19.6527 | -21.6780 | 118.62 | YES | YES | O.E. | | |
| TOTAL | NC | | | 8722.92 | 357.5929 | 396.6421 | 16.8055 | 41.4476 | 52.6281 | -91.6773 | 115.62 | YES | YES | | | |
| | C | | | 631.93 | 32.7699 | 32.5418 | 6.8820 | 30.4238 | 23.2814 | -23.0533 | 120.30 | YES | YES | | | |
| G.TOTAL | 10455.00 | | | 9354.85 | 390.3628 | 429.1839 | 23.66875 | 45.8714 | 75.9095 | -114.7306 | 116.01 | YES | YES | | | |

GROUND WATER POTENTIAL OF BIKANER DISTRICT AS ON 31.03.2004
GROUND WATER RECHARGE, EXTRACTION & STAGE OF GROUND WATER DEVELOPMENT

| Block | Area of Block | Type | Water Potential | Net | Existing | Existing | Existing | Net G.W. | Allocation | Stage | Whether | Whether | Cate- | Annual |
|---|---------------|------------|-----------------|-----------------|--------------|--------------|----------|--|------------|----------|---------|---------|----------|--------------------|
| | | Bear. Area | Zone area | Annual (Sq.Km.) | Gross Ground | Gross Ground | G. W. | Avgailability for Dom. & Industrial for future | of G.W. | Signi. | Signi. | Sign. | ge | potential recharge |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| Bikaner | 9278 | NC | T1 | 2473.50 | 37.3103 | 38.0640 | 21.0168 | 59.0808 | -40.7537 | 40.0000 | 158.35 | YES | YES | |
| | C | T1 | 137.50 | 6.4509 | | | | 6.4509 | | 0.00 | NO | NO | NO | |
| | NC | T2 | 392.50 | 7.0606 | 0.7128 | 0.7760 | 1.4888 | 4.0225 | 2.3253 | | 21.09 | NO | NO | |
| | C | T2 | 187.50 | 6.4404 | | | | 6.4404 | | 0.00 | NO | NO | NO | |
| | S | Ao | 5837.00 | 101.2711 | | | | 101.2711 | | | | | | |
| | S | T | 250.00 | 3.0168 | | | | 3.0168 | | | | | | |
| Total of Block (Ex.Saline) | | | 3191.00 | 57.2622 | 38.7768 | 21.7928 | 60.5696 | -23.8399 | 42.3253 | 105.78 | YES | YES | O.E. | |
| Lunkarsar | 6328.02 | NC | Ao | 930.00 | 12.8248 | 0.0490 | 0.7560 | 0.8050 | 8.8762 | 3.8996 | 6.28 | NO | NO | |
| | NC | T1 | 157.00 | 1.8276 | | | 0.0720 | 0.0720 | 1.2342 | 0.5934 | 3.94 | NO | NO | |
| | NC | T2 | 859.00 | 12.4995 | 6.6045 | 1.5240 | 8.1285 | 1.9954 | 3.8996 | 65.03 | NO | NO | NO | |
| | C | T2 | 125.00 | 5.1768 | | | | 5.1768 | | 0.00 | NO | NO | NO | |
| | S | Ao | 3319.52 | 48.3030 | | | | 48.3030 | | | | | | |
| | S | Ss | 937.50 | 10.9134 | | | | 10.9134 | | | | | | |
| Total of Block (Ex.Saline) | | | 2071.00 | 32.3287 | 6.6535 | 2.3520 | 9.0055 | 17.2826 | 8.3926 | 27.86 | NO | NO | Sale | |
| Kolayat | 7970.86 | NC | T1 | 975.00 | 13.6188 | 8.2560 | 4.5920 | 12.8480 | 2.3430 | 3.01980 | 94.34 | YES | YES | |
| | NC | T2 | 199.00 | 2.7796 | 0.1944 | 0.6400 | 0.8344 | 0.9852 | 1.6000 | | 30.02 | NO | NO | |
| | NC | Ss2 | 450.00 | 6.2500 | 0.2340 | 1.2600 | 1.4940 | 4.6228 | 1.3932 | | 23.90 | NO | NO | |
| | NC | Ss1 | 300.00 | 4.1904 | 0.1800 | 0.9792 | 1.1592 | 2.1104 | 1.9000 | | 27.66 | NO | NO | |
| | S | Ao | 3609.36 | 50.4156 | | | | 50.4156 | | | | | | |
| | S | T | 1968.75 | 21.9996 | | | | 21.9996 | | | | | | |
| | S | Ss | 468.75 | 6.5475 | | | | 6.5475 | | | | | | |
| Total of Block (Ex.Saline) | | | 1924.00 | 26.8388 | 8.8644 | 7.4712 | 16.3356 | 10.0614 | 7.9130 | 60.87 | NO | NO | Sale | |
| Nokha | 3800.97 | NC | Ao | 162.50 | 3.4904 | 3.9288 | 0.8760 | 4.8048 | -0.9143 | 0.4759 | 137.66 | | | |
| | NC | T1 | 880 | 12.6011 | 23.7432 | 3.764 | 27.5072 | -14.6421 | 3.5 | 218.29 | YES | YES | | |
| | NC | Ss1 | 2203 | 39.4320 | 39.0145 | 8.4560 | 47.4705 | -13.1706 | 13.5881 | 120.39 | YES | YES | | |
| | NC | Ss2 | 295.00 | 5.2803 | 1.79 | 1.28 | 3.06 | 2.09 | 1.40 | 57.99 | NO | NO | | |
| | NC | Ls2 | 172.13 | 2.4648 | 0.0720 | 0.4560 | 0.5280 | 1.8886 | 0.5042 | 21.42 | NO | NO | | |
| | S | Ls | 88.34 | 1.5812 | | | | 1.5812 | | | | | | |
| Total of Block (Ex.Saline) | | | 3712.63 | 63.2686 | 68.5441 | 14.8182 | 83.3723 | -24.7437 | 19.4682 | 131.7800 | YES | YES | O.E. | |
| Dungargarh | 3003.9 | NC | Ao | 1121.09 | 19.6469 | 9.8232 | 5.412 | 15.2352 | 4.8167 | 5.007 | 77.55 | YES | YES | |
| | NC | T1 | 1049.84 | 18.3982 | 19.392 | 4.288 | 23.68 | -4.4132 | 3.4194 | 128.71 | YES | YES | | |
| | NC | Ss1 | 532.95 | 9.3398 | 4.386 | 2.344 | 6.73 | 3.7358 | 1.218 | 72.06 | YES | YES | | |
| | S | Ao | 300.02 | 6.3094 | | | | 6.3094 | | | | | | |
| Total of Block (Ex.Saline) | | | 2703.88 | 47.3849 | 33.6012 | 12.044 | 45.6452 | 4.1393 | 9.6444 | 96.33 | YES | YES | Critical | |
| Total of District (Excluding Saline Area) | 13602.51 | | 227.0832 | 156.44 | 58.4882 | 214.928 | -17.1003 | 87.7435 | 94.65 | | | | | |
| Total of District (Saline Area) | 16779.24 | | 250.3576 | | | | | | 250.3576 | | | | | |

GROUND WATER DRAFT, EXTRACTIVE & STAGE OF GROUND WATER DEVELOPMENT, DISTRICT: S ON 31.3.2004

| Block | Area of Block | Type of Area | Water bearing formation | Pole zone area | Ground Water Availability | Gross Ground Water Draft for Irrigation Use | Existing Gross G.W. Draft for Dom. & Ind. Water Draft for all uses | Developmental Stage of G.W. Development. | Whether significant decline in Pre. I. W.L. | | Category | Annual Potential recharge (mm) | |
|-----------------------|---------------|--------------|-------------------------|----------------|---------------------------|---|--|--|---|-----------------|---------------|--------------------------------|----------|
| | | | | | | | | | (mm) | (mm) | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | |
| HINDOLI | 1341.3 | C | Ph1 | 88.00 | 4.857 | 4.753 | 0.5517 | 4.8645 | 63.35 | -0.6187 | 100.14 | 14 | |
| NC | Ph2 | 44.44 | 33.321 | 44.035 | 44.035 | 44.035 | 4.3505 | 49.0283 | 45.58 | -20.8019 | 147.14 | 15 | |
| NC | Ls | 82.37 | 4.7065 | 8.7918 | 0.4657 | 9.2575 | 1.0890 | -5.1743 | 196.70 | Yes | Yes | 16 | |
| TOTAL OF BLOCK | | | | 42.8858 | 57.7824 | 5.3679 | 63.1503 | 982 | -26.5948 | 147.25 | Yes | O.E. | |
| K.PATAN | 1310.31 | C | A | 819.41 | 56.2686 | 50.3604 | 2.7039 | 53.0643 | 16.336 | -4.9254 | 94.31 | Yes | Yes |
| NC | Sh/Ls | 206.79 | 8.9777 | 5.6904 | 0.9654 | 6.6558 | 6.6558 | 40 | 0.5533 | 74.14 | Yes | Yes | |
| NC | Sh | 126.68 | 4.1147 | 2.0618 | 0.6628 | 2.7246 | 1.6749 | 0.3780 | 66.22 | Yes | Yes | Yes | |
| TOTAL OF BLOCK | | | | 1152.38 | 69.3610 | 58.1126 | 4.3322 | 62.4448 | 15.425 | -3.9941 | 90.03 | Yes | CRITICAL |
| NAINWA | 1162.39 | NC | Sh/Ls | 101.78 | 3.8127 | 6.1338 | 1.1266 | 7.2604 | 1.457 | -3.6668 | 190.43 | Yes | Yes |
| NC | Ph | 865.07 | 31.3833 | 37.0370 | 5.6674 | 42.7044 | 11.373 | -17.0910 | 136.07 | Yes | Yes | Yes | |
| TOTAL OF BLOCK | | | | 966.85 | 35.1960 | 43.1708 | 6.7940 | 49.9648 | 12.7829 | -20.7577 | 141.96 | Yes | O.E. |
| TALERIA | 1951.46 | C | A | 338.93 | 53.6516 | 53.5480 | 1.2822 | 54.8302 | 4.811 | -4.3775 | 102.20 | Yes | Yes |
| C | Sh/Ls | 93.75 | 8.0839 | 3.6730 | 0.5509 | 4.2239 | 1.2395 | 3.1714 | 52.25 | Yes | Yes | Yes | |
| C | Ls | 165.46 | 21.2033 | 19.9805 | 1.1568 | 21.1373 | 2.1876 | -0.9648 | 99.69 | Yes | Yes | Yes | |
| NC | Sh/Ls | 233.12 | 8.5269 | 5.5272 | 1.3540 | 6.8812 | 3.0821 | -0.0824 | 80.70 | Yes | Yes | Yes | |
| TOTAL OF BLOCK | | | | 1235.64 | 112.8357 | 100.8127 | 5.7303 | 106.5430 | 16.3366 | -4.3137 | 94.42 | Yes | Yes |
| Total | C | 1505.55 | 144.0650 | 131.8747 | 6.2454 | 138.1201 | 19.9052 | -7.7149 | 95.87 | CRITICAL | | | |
| NC | 2734.63 | 116.2135 | 128.0038 | 15.9790 | 143.9828 | 36.1551 | -47.9454 | 123.90 | | | | | |
| Grand Total | | 4240.18 | 260.2785 | 259.8785 | 22.2244 | 282.1029 | 56.0603 | -55.6603 | 108.39 | | | | |

GROUND WATER POTENTIAL OF CHITTAURGARH DISTRICT AS ON 31.3.2004

BLOCKWISE & ZONewise GROUND WATER RECHARGE, EXTRACTION & STAGE OF DEVELOPMENT

| Block | Area IN Sq.Kms. | Type of Area | Zone | Potential Zone Area (MCM) | Net Annual G.W. Availability (MCM) | Agriculture Draft (MCM) | Dom. & Ind. Draft (MCM) | Annual Gross Draft (MCM) | Alloc. for Dom. & Ind. Require. for future (MCM) | Ground Water Availability for future (MCM) | Stage of G.W. Development Year 2025 (%) | Decline IN PRE MON SOON W.L. (YES/NO) (%) | Decline IN POST MON SOON W.L. (YES/NO) (%) | Category | Annual Potential Recharge (MCM) |
|--------------------|-----------------|--------------|-------|---------------------------|------------------------------------|-------------------------|-------------------------|--------------------------|--|--|---|---|--|-------------|---------------------------------|
| | | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| Arnod | 723.07 | NC | B | 606.13 | 28.1792 | 37.0872 | 0.4819 | 37.5691 | 3.1753 | -12.0833 | 133.32 | YES | YES | O.E. | |
| Block Total | BLOCK | | | 606.13 | 28.1792 | 37.0872 | 0.4819 | 37.5691 | 3.1753 | -12.0833 | 133.32 | YES | YES | O.E. | |
| Bari Sadri | 504.68 | NC | LS | 50.02 | 2.4814 | 3.5460 | 0.0756 | 3.6216 | 0.2933 | -1.3579 | 145.93 | YES | YES | | |
| | | NC | Sc/Ph | 162.41 | 5.9375 | 5.4483 | 0.4925 | 5.9408 | 1.8642 | -1.3750 | 100.05 | NO | YES | | |
| | | C | Sc/Ph | 22.00 | 0.8447 | 1.0374 | 0.0680 | 1.1054 | 0.2141 | -0.4068 | 130.87 | YES | YES | | |
| | | NC | Gn1 | 130.28 | 4.7800 | 4.4967 | 0.2216 | 4.7183 | 0.9855 | -0.7022 | 98.71 | NO | YES | | |
| | | NC | Gn2 | 63.67 | 3.1609 | 5.5380 | 0.0402 | 5.5782 | 0.4119 | -2.7890 | 176.47 | NO | YES | | |
| | | NC | | 406.38 | 16.3598 | 19.0290 | 0.8298 | 19.8588 | 3.5549 | -6.2241 | 121.39 | YES | YES | | |
| | | C | | 22.00 | 0.8447 | 1.0374 | 0.0680 | 1.1054 | 0.2141 | -0.4068 | 130.87 | YES | YES | | |
| Block Total | BLOCK | | | 428.38 | 17.2045 | 20.0664 | 0.8979 | 20.9643 | 3.7690 | -6.6309 | 121.85 | YES | YES | O.E. | |
| Begin | 970.35 | NC | Ss | 192.18 | 10.7547 | 19.8744 | 0.4873 | 20.3617 | 2.1254 | -11.2451 | 189.33 | YES | YES | | |
| | | NC | Sh | 258.48 | 16.8199 | 23.3961 | 0.1843 | 23.5804 | 1.4107 | -7.9869 | 140.19 | NO | YES | | |
| | | NC | Ls | 89.18 | 4.5220 | 5.9826 | 0.0721 | 6.0547 | 0.3744 | -1.8350 | 133.89 | YES | YES | | |
| | | C | Gn | 87.01 | 5.3103 | 5.6208 | 0.0117 | 5.6325 | 0.3545 | -0.6650 | 106.07 | NO | YES | | |
| | | NC | | 539.84 | 32.0966 | 49.2531 | 0.7437 | 49.9968 | 3.9105 | -21.0670 | 155.77 | YES | YES | | |
| | | C | | 87.01 | 5.3103 | 5.6208 | 0.0117 | 5.6325 | 0.3545 | -0.6650 | 106.07 | YES | YES | | |
| Block Total | BLOCK | | | 626.85 | 37.4069 | 54.8739 | 0.7554 | 55.6293 | 4.2650 | -21.7320 | 148.71 | YES | YES | O.E. | |
| Bhadesar | 539.06 | NC | Sh | 157.92 | 9.9372 | 0.2245 | 0.1617 | 0.9402 | -3.5624 | 138.92 | NO | YES | | | |
| | | C | Sh | 42.00 | 2.0804 | 3.6426 | 0.0502 | 3.6928 | 0.4791 | -2.0413 | 177.50 | YES | YES | | |
| | | NC | Gn | 251.20 | 9.6447 | 15.1344 | 0.3935 | 15.5279 | 1.5915 | -7.0812 | 161.00 | YES | YES | | |
| | | C | Gn | 41.4 | 1.5270 | 2.0280 | 0.0773 | 2.1053 | 0.1001 | -0.6011 | 137.87 | YES | YES | | |
| | | NC | | 409.12 | 16.9597 | 25.0716 | 0.6180 | 25.6896 | 2.5317 | -10.6436 | 151.47 | YES | YES | | |
| | | C | | 83.41 | 3.6074 | 5.6706 | 0.1275 | 5.7981 | 0.5792 | -2.6424 | 160.73 | YES | YES | | |
| Block Total | BLOCK | | | 492.53 | 20.5671 | 30.7422 | 0.7455 | 31.4877 | 3.1109 | -13.2860 | 153.10 | YES | YES | O.E. | |

| Block | Area IN Sq.Kms. | Type of Area | Zone | Potential Zone Area (MCM) | Net Annual G.W. Availa- bility (MCM) | Agricul- ture Draft (MCM) | Dom. & Ind. Draft (MCM) | Annual Gross Draft (MCM) | Alloc. for Dom. & Ind. Require. for the Year 2025 (MCM) | Ground Water Availa- bility for future Irrg. Dev. (MCM) | Stage of G.W. Develo- pment (MCM) | DECLINE IN PRE MON SOON W.L. (YES/NO) | DECLINE IN POST MON SOON (YES/NO) | Category | Annual Poten- tial Recharge (MCM) | |
|---------------|-----------------------|--------------------|-------|------------------------------------|---|------------------------------------|----------------------------------|-----------------------------------|---|---|---|---|--|----------|---|--|
| | | | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | |
| Bhainsrorgarh | 1605.46 | NC | Ss | 396.24 | 15.3152 | 10.7211 | 0.0307 | 10.7518 | 3.2816 | 1.3125 | 70.20 | NO | NO | | | |
| | | NC | Sh1 | 128.13 | 4.8198 | 5.3586 | 0.0158 | 5.3744 | 0.2078 | -0.7466 | 111.51 | NO | YES | | | |
| | | NC | Sh2 | 134.37 | 5.4865 | 5.9354 | 0.0796 | 6.0150 | 0.5552 | -1.0041 | 109.63 | YES | YES | | | |
| | | NC | Sh3 | 120.62 | 4.4270 | 6.7490 | 0.0307 | 6.7797 | 0.5634 | -2.8854 | 153.14 | YES | YES | | | |
| Block Total | | BLOCK | | 779.36 | 30.0485 | 28.7641 | 0.1568 | 28.9209 | 4.6080 | -3.3236 | 96.25 | NO | YES | S.Cr. | | |
| Bhoopalsagar | 398.24 | NC | Sc/Ph | 153.61 | 6.5349 | 8.3251 | 0.1351 | 8.4602 | 0.7943 | -2.5845 | 129.46 | YES | YES | | | |
| | | C | Sc/Ph | 166.51 | 6.9912 | 6.8510 | 0.1361 | 6.9871 | 0.9861 | -0.8459 | 99.94 | NO | YES | | | |
| | | NC | Gn | 62.00 | 2.2243 | 3.0919 | 0.0548 | 3.1467 | 0.4463 | -1.3139 | 141.47 | YES | YES | | | |
| | | NC | | 215.61 | 8.7592 | 11.4170 | 0.1898 | 11.6068 | 1.2406 | -3.8984 | 132.51 | YES | YES | | | |
| Block Total | | BLOCK | | 166.51 | 6.9912 | 6.8510 | 0.1361 | 6.9871 | 0.9861 | -0.8459 | 99.94 | YES | YES | | | |
| Chhoti Sadri | 703.04 | NC | B | 129.25 | 5.7083 | 9.8514 | 0.0657 | 9.9171 | 0.8781 | -5.0212 | 173.73 | YES | YES | | | |
| | | NC | Sh1 | 239.37 | 11.6633 | 11.3139 | 0.3845 | 11.6984 | 2.3527 | -2.0033 | 100.30 | NO | YES | | | |
| | | NC | Sh2 | 66.88 | 3.7669 | 6.9250 | 0.0099 | 6.9349 | 0.3614 | -3.5195 | 184.10 | YES | YES | | | |
| | | NC | Sc/Ph | 106.88 | 5.7073 | 5.8344 | 0.0177 | 5.8521 | 0.5577 | -0.6848 | 102.54 | YES | YES | | | |
| Block Total | | BLOCK | | 542.38 | 26.8458 | 33.9247 | 0.4778 | 34.4025 | 4.1499 | -11.2288 | 128.15 | YES | YES | O.E. | | |
| Chittorgarh | 951.33 | NC | Sh1 | 261.11 | 14.6461 | 22.1130 | 1.1463 | 23.2593 | 2.1408 | -9.6077 | 158.81 | YES | YES | | | |
| | | C | Sh1 | 45.14 | 3.3799 | 4.1292 | 0.0858 | 4.2150 | 1.0226 | -1.7719 | 124.71 | YES | YES | | | |
| | | NC | Sh2 | 53.75 | 3.4744 | 9.1140 | 0.2318 | 9.3458 | 0.5210 | -6.1606 | 268.99 | YES | YES | | | |
| | | NC | Ls | 55.73 | 3.7110 | 10.3608 | 0.9940 | 11.3548 | 2.5000 | -9.1498 | 305.98 | YES | YES | | | |
| | | C | Ls | 75.52 | 5.3364 | 14.1060 | 2.3245 | 16.4305 | 5.9045 | -14.6741 | 307.89 | YES | YES | | | |
| | | NC | Gn | 203.74 | 10.7982 | 17.2575 | 0.1673 | 17.4248 | 1.2724 | -7.7317 | 161.37 | NO | YES | | | |
| | | C | Gn | 46.33 | 2.7206 | 3.9234 | 0.0456 | 3.9690 | 0.1518 | -1.3546 | 145.89 | NO | YES | | | |
| | | NC | | 574.33 | 32.6297 | 58.8453 | 2.5393 | 61.3846 | 6.4342 | -32.6498 | 188.12 | YES | YES | | | |
| | | C | | 166.99 | 11.4369 | 22.1586 | 2.4559 | 24.6145 | 7.0789 | -17.8006 | 215.22 | YES | YES | | | |
| Block Total | | BLOCK | | 741.32 | 44.0666 | 81.0039 | 4.9952 | 85.9991 | 13.5131 | -50.4504 | 195.16 | YES | YES | O.E. | | |
| Dungla | 494 | NC | Sc/Ph | 237.84 | 11.9749 | 12.9565 | 0.1469 | 13.1034 | 0.9730 | -1.9546 | 109.42 | YES | YES | | | |
| | | C | Sc/Ph | 22.59 | 1.2077 | 1.5780 | 0.0193 | 1.5973 | 0.3827 | -0.7530 | 132.26 | YES | YES | | | |
| | | NC | Gn | 205.00 | 7.3897 | 6.9810 | 0.2460 | 7.2270 | 1.3212 | -0.9125 | 97.80 | YES | YES | | | |
| | | NC | | 442.84 | 19.3646 | 19.9375 | 0.3929 | 20.3304 | 2.2942 | -2.8671 | 104.99 | YES | YES | | | |
| | | C | | 22.59 | 1.2077 | 1.5780 | 0.0193 | 1.5973 | 0.3827 | -0.7530 | 132.26 | YES | YES | | | |
| Block Total | | BLOCK | | 465.43 | 20.5723 | 21.5155 | 0.4122 | 21.9277 | 2.6769 | -3.6201 | 106.59 | YES | YES | O.E. | | |

| Block | Area IN Sq.Kms. | Type of Area | Zone | Potential Zone Area | Net Annual G.W. Availability (MCM) | Agriculture Draft (MCM) | Dom. & Ind. Draft (MCM) | Annual Gross Draft (MCM) | Alloc. for Dom. & Ind. Require. for the Year 2025 (MCM) | Ground Water Availability for future Irrg. Dev. (MCM) | Decline Category | | | Annual Potential Recharge (MCM) | |
|----------------|-----------------|--------------|----------|---------------------|------------------------------------|-------------------------|-------------------------|--------------------------|---|---|------------------|----------|------|---------------------------------|----|
| | | | | | | | | | | | IN POST | MON SOON | W.L. | (YES/NO) | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| Gangrar | 555.64 | NC Sc/Ph | 159.85 | 7.3778 | 8.1510 | 0.3298 | 8.4808 | 0.7792 | -1.5524 | 114.95 | NO | YES | | | |
| | NC Gn | 376.77 | 15.7431 | 20.5668 | 0.1388 | 20.7056 | 1.8275 | -6.6512 | 131.52 | YES | YES | | | | |
| Block Total | BLOCK | 536.62 | 23.1209 | 28.7178 | 0.4485 | 29.1863 | 2.6067 | -8.2036 | 126.23 | YES | YES | O.E. | | | |
| Kapasan | 515.92 | NC Sc/Ph | 198.21 | 6.4179 | 7.1199 | 0.2525 | 7.3724 | 2.4902 | -3.1922 | 114.87 | YES | YES | | | |
| | C Sc/Ph | 70.81 | 2.3147 | 2.8395 | 0.0944 | 2.9339 | 0.2500 | -0.7748 | 126.75 | YES | YES | | | | |
| | NC Gn | 232.99 | 7.7211 | 9.9441 | 0.0695 | 10.0136 | 1.2862 | -3.5092 | 129.69 | YES | YES | | | | |
| | NC | 431.20 | 14.1390 | 17.0640 | 0.3219 | 17.3859 | 3.7764 | -6.7014 | 122.96 | YES | YES | | | | |
| | C | 70.81 | 2.3147 | 2.8395 | 0.0944 | 2.9339 | 0.2500 | -0.7748 | 126.75 | YES | YES | | | | |
| Block Total | BLOCK | 502.01 | 16.4537 | 19.9035 | 0.4163 | 20.3198 | 4.0264 | -7.4762 | 123.50 | YES | YES | O.E. | | | |
| Nimbahera | 895.35 | NC Ss | 175.42 | 11.7824 | 23.0490 | 0.1116 | 23.1606 | 0.6030 | -11.8696 | 196.57 | YES | NO | | | |
| | NC Sh | 250.03 | 16.9114 | 32.8419 | 0.1365 | 32.9784 | 1.4880 | -17.4185 | 195.01 | YES | YES | | | | |
| | NC LS | 257.36 | 18.9994 | 36.7785 | 2.3373 | 39.1158 | 4.9439 | -22.7230 | 205.88 | NO | YES | | | | |
| | C LS | 20.00 | 1.5142 | 3.0840 | 0.0571 | 3.1411 | 0.2361 | -1.8059 | 207.44 | NO | YES | | | | |
| | NC | 682.81 | 47.6932 | 92.6694 | 2.5854 | 95.2548 | 7.0349 | -52.0111 | 199.72 | YES | YES | | | | |
| | C | 20.00 | 1.5142 | 3.0840 | 0.0571 | 3.1411 | 0.2361 | -1.8059 | 207.44 | NO | YES | | | | |
| Block Total | BLOCK | 702.81 | 49.2074 | 95.7534 | 2.6425 | 98.3959 | 7.2710 | -53.8170 | 199.96 | YES | YES | O.E. | | | |
| Pratapgarh | 1549.89 | NC B | 954.22 | 43.3782 | 47.7171 | 1.1924 | 48.9095 | 7.3200 | -11.6589 | 112.75 | YES | YES | | | |
| | NC Gn | 80.14 | 2.6728 | 3.5766 | 0.0402 | 3.6168 | 0.6269 | -1.5307 | 135.32 | NO | YES | | | | |
| Block Total | BLOCK | 1034.36 | 46.0510 | 51.2937 | 1.2326 | 52.5263 | 7.9469 | -13.1896 | 114.06 | YES | YES | O.E. | | | |
| Rashmi | 449.97 | NC Sc/Ph | 296.23 | 13.0803 | 18.2796 | 0.3048 | 18.5844 | 1.5714 | -6.7707 | 142.08 | YES | YES | | | |
| | NC Gn | 141.34 | 5.8381 | 7.2156 | 0.0478 | 7.2634 | 0.7145 | -2.0920 | 124.41 | YES | YES | | | | |
| Block Total | BLOCK | 437.57 | 18.9184 | 25.4952 | 0.3526 | 25.8478 | 2.2859 | -8.8627 | 136.63 | YES | YES | O.E. | | | |
| DISTRICT TOTAL | NC | 7638.55 | 361.1656 | 498.5696 | 11.3908 | 509.9604 | 55.5501 | -192.9541 | 141.20 | YES | YES | | | | |
| | C | 639.32 | 33.2271 | 48.8399 | 2.9701 | 51.8100 | 10.0816 | -25.6944 | 155.93 | YES | YES | | | | |
| G.TOTAL | | 10856.00 | 8277.87 | 394.3927 | 547.4095 | 14.3609 | 561.7704 | 65.6317 | -218.6485 | 142.44 | YES | YES | | | |

GROUND WATER POTENTIAL OF CHURU DISTRICT AS ON 31.3.2004

| Block | Area of block | Type of Area | Potential Zone | Potential Zone Area | Annual Ground Water Availability | Net Ground Water Availability | Gross Ground Water Draft for Irrig. | Gross Ground Water Draft for Dom. & Indus. | Existing Allocation for Dom. & Indus. | State of G.W. Availability for future Req'ment. | G.W. Development for the year 2025 | Irrig. Develop. | Whether significant decline in Post monsoon water level | Category | Annual Potential Recharge | |
|--------------------------------------|---------------|-----------------------------------|----------------|---------------------|----------------------------------|-------------------------------|-------------------------------------|--|---------------------------------------|---|------------------------------------|-----------------|---|----------|---------------------------|-------|
| 1 | (Sq.km.) | | | | (Sq.Km.) | (mem) | (mem) | (mem) | (mem) | (mem) | (mem) | (mem) | (mem) | Water | V. (Yes/No) | (mem) |
| | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | |
| Churu | 1606.87 | NC | Ao3 | 484.38 | 8.8165 | 3.5000 | 4.3290 | 7.8290 | 12.0022 | -6.6857 | 88.80 | | | | | |
| | | | Ao (S) | 1122.49 | 20.4311 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 20.4311 | | | | | | |
| Total of Block (Exclu.Saline) | | | | 484.38 | 8.8165 | 3.5000 | 4.3290 | 7.8290 | 12.0022 | -6.6857 | 88.80 | | | | | |
| Rajgarh | 2224.92 | NC | Ao3 | 324.25 | 5.7656 | 21.1248 | 4.0804 | 25.2052 | 8.7821 | -24.1413 | 437.17 | | | | | |
| | | | Ao(S) | 1900.67 | 33.7960 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 33.7960 | 0.00 | | | | | |
| Total of Block (Exclu.Saline) | | | | 324.25 | 5.7656 | 21.1248 | 4.0804 | 25.2052 | 8.7821 | -24.1413 | 437.17 | | | | | |
| Ratangarh | 1622.41 | NC | Ao2 | 507.81 | 12.7622 | 5.6650 | 3.6953 | 9.3603 | 5.8044 | 1.2928 | 73.34 | | | | | |
| | | | Ss(N) | 192.18 | 4.3075 | 1.5775 | 0.1349 | 1.7124 | 2.8232 | -0.0932 | 39.75 | | | | | |
| | | | Ss(J) | 345.31 | 7.8391 | 3.0025 | 0.7410 | 3.7435 | 5.2725 | -0.4359 | 47.75 | | | | | |
| | | | Ao (S) | 577.11 | 10.3480 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 10.3480 | 0.00 | | | | | |
| Total of Block (Exclu.Saline) | | | | 1045.30 | 24.9088 | 10.2450 | 4.5711 | 14.8161 | 13.9001 | 0.7637 | 59.48 | | | | | |
| Sardar | 3860.80 | NC | Ao2 | 278.13 | 6.4714 | 1.7000 | 4.6085 | 6.3085 | 5.6354 | -0.8640 | 97.48 | | | | | |
| Shahar | | NC | Ao3 | 132.81 | 2.5752 | 1.4925 | 0.2698 | 1.7623 | 0.9730 | 0.1097 | 68.43 | | | | | |
| | | NC | A3 | 1421.87 | 41.3543 | 6.3525 | -0.6435 | 6.9960 | 4.8963 | 30.1055 | 16.92 | | | | | |
| | | NC | Ss(N) | 101.89 | 1.9756 | 0.5050 | 0.0000 | 0.5050 | 0.4467 | 1.0239 | 25.56 | | | | | |
| | | NC | Ss(J) | 189.06 | 3.6658 | 0.5000 | 0.1105 | 0.6105 | 2.7727 | 0.3931 | 16.65 | | | | | |
| | | | A(S) | 627.13 | 18.2397 | 0.0000 | 0.0000 | 0.0000 | - | 18.2397 | 0.00 | | | | | |
| | | | Ao(S) | 307.65 | 5.9652 | 0.0000 | 0.0000 | 0.0000 | - | 5.9652 | 0.00 | | | | | |
| | | | Ss(J)(S) | 802.26 | 15.5555 | 0.0000 | 0.0000 | 0.0000 | - | 15.5555 | 0.00 | | | | | |
| Total of Block (Exclu.Saline) | | | | 2123.76 | 56.0423 | 10.5500 | 5.6323 | 16.1823 | 14.7241 | 30.7682 | 28.88 | | | | | |
| Sujangarh | 2667.55 | NC | Ls1 | 59.37 | 1.8210 | 1.3750 | 0.3299 | 1.7049 | 0.3580 | 0.0880 | 93.62 | | | | | |
| | | NC | Ls3 | 628.12 | 19.2657 | 17.2500 | 1.6250 | 18.8750 | 5.1922 | -3.1765 | 97.97 | | | | | |
| | | NC | Ss(N) | 412.50 | 10.1218 | 8.8000 | 0.8710 | 9.6710 | 1.3616 | -0.0398 | 95.55 | | | | | |
| | | NC | Ss(J) | 114.06 | 2.2390 | 1.6750 | 0.6354 | 2.3104 | 1.4762 | -0.9122 | 103.19 | | | | | |
| | | | Ao(S) | 392.28 | 7.7005 | 0.0000 | 0.0000 | 0.0000 | 0.5042 | 7.1963 | 0.00 | | | | | |
| | | | Sc/Ph (S) | 1061.22 | 22.7848 | | | | - | 22.7848 | 0.00 | | | | | |
| Total of Block (Exclu.Saline) | | | | 1214.05 | 33.4475 | 29.1000 | 3.4613 | 32.5613 | 8.3880 | -4.0405 | 97.35 | | | | | |
| Taranagar | 1810.40 | Ao(S) | 1810.40 | 28.0823 | 0.0000 | 0.0000 | 0.0000 | - | 28.0823 | 0.00 | | | | Critical | | |
| | | Total of Block (Exclu.Saline) | | 0.00 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.00 | | | | | |
| | | Total of District (Exclu. Saline) | | 5191.74 | 128.9806 | 74.5198 | 22.0740 | 96.5938 | 57.7965 | -3.3356 | 74.89 | | | | | |
| | | Total of District (Saline) | | 8601.21 | 162.9032 | 0.0000 | 0.0000 | 0.0000 | 0.5042 | 162.3989 | 0.00 | | | | | |

GROUND WATER POTENTIAL OF DAUSA DISTRICT AS ON 31.3.2004

GROUND WATER RECHARGE, EXTRACTION & STAGE OF GROUND WATER DEVELOPMENT

| Block | Area of Block (Sq.Km.) | Type of area | Potential Zone | Annual Ground Area (Sq.Km.) | Net Water Availability (mcm) | Existing Gross Ground Water | Existing Gross Ground Water | Allocation for Dom.& Industrial Requirement As Projected for the Year 2025 (mcm) | Net G.W. | Stage of Ground Water Development (%) | Whether Significant Decline in Pre-Monsoon Water Level (Yes/No) | Category | Annual Potential Recharge (mcm) | |
|-------------------|------------------------|--------------------|----------------|-----------------------------|------------------------------|-----------------------------|---|--|-----------------------------|---------------------------------------|---|------------|---------------------------------|----|
| | | | | | | Existing Gross Ground Water | Draft for Irrigation Dom.& Industrial Use (mcm) | Draft for All Uses (mcm) | Existing Gross Ground Water | Projected Development (mcm) | Post-Monsoon Water Level (Yes/No) | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| Bandikui | 632.94 | NC | A | 198.93 | 19,8568 | 23,1948 | 0.8478 | 24,0426 | 2,6400 | -5,9780 | 121,08 | YES | 16 | |
| | | NC | Ao | 168.25 | 12,3504 | 19,5312 | 2,2046 | 21,7358 | 8,0100 | -15,1908 | 175,99 | YES | - | |
| | | NC | Q | 88.07 | 3,2995 | 7,0092 | 0,7084 | 7,7176 | 1,1700 | -4,8797 | 233,90 | YES | - | |
| | | NC | Gn | 73.65 | 2,3367 | 2,9040 | 0,4973 | 3,4013 | 3,4500 | -4,0173 | 145,56 | YES | - | |
| | | Block Total | | 528.90 | 37,8434 | 52,6392 | 4,2581 | 56,8973 | 15,2700 | -30,0658 | 150,35 | YES | O.E. | |
| Dausa | 943.76 | NC | Ao | 647.1 | 51,8533 | 41,5922 | 7,8203 | 49,4125 | 18,0800 | -7,8189 | 95,29 | YES | - | |
| | | NC | Q | 195.11 | 10,3439 | 13,6674 | 1,6149 | 15,2823 | 1,5900 | -4,9135 | 147,74 | YES | - | |
| | | NC | Ph | 52.53 | 2,5725 | 2,8854 | 0,2868 | 3,1722 | 0,4300 | -0,7429 | 123,31 | YES | - | |
| | | Block Total | | 894.74 | 64,7697 | 58,1450 | 9,7220 | 67,8670 | 20,1000 | -13,4753 | 104,78 | YES | O.E. | |
| Lalsot | 871.24 | NC | A | 134.85 | 13,9433 | 14,2863 | 0,7278 | 15,0141 | 1,0700 | -1,4130 | 107,68 | YES | - | |
| | | NC | Ao-1 | 560.43 | 46,4967 | 63,7884 | 1,9415 | 65,7299 | 8,5900 | -25,8817 | 141,36 | YES | - | |
| | | NC | Ao-2 | 85.08 | 8,2343 | 11,9262 | 0,2347 | 12,1609 | 0,6700 | -4,3619 | 147,69 | NO | - | |
| | | Block Total | | 780.36 | 68,6743 | 90,0009 | 2,9040 | 92,9049 | 10,3300 | -31,6566 | 135,28 | YES | O.E. | |
| Mahua | 470 | NC | Ao | 442 | 40,6444 | 49,3776 | 4,7929 | 54,1705 | 8,9800 | -17,7132 | 133,28 | YES | - | |
| | | Block Total | | 442.00 | 40,6444 | 49,3776 | 4,7929 | 54,1705 | 8,9800 | -17,7132 | 133,28 | YES | O.E. | |
| Sikral | 502.23 | NC | A | 375.41 | 45,7517 | 44,2092 | 4,0136 | 48,2228 | 4,7600 | -3,2175 | 105,40 | YES | - | |
| | | NC | Q | 64.21 | 3,4557 | 9,8998 | 0,4942 | 10,3940 | 0,8200 | -7,2641 | 300,78 | YES | - | |
| | | Block Total | | 439.62 | 49,2074 | 54,1090 | 4,5078 | 58,6168 | 5,5800 | -10,4816 | 119,12 | YES | O.E. | |
| Total of District | 3420.17 | 3085.62 | 261.1392 | 304.2717 | 26,1848 | 330,4565 | 60,2600 | -103,3925 | 126,54 | YES | YES | - | - | |

GROUND WATER POTENTIAL OF DHOLPUR DISTRICT AS ON 31.3.2004

| Block | Area of Block | Type of Area | Potential Zone | Net Annual Ground Water Availability | Existing Gross Ground Water Draft For Irrg. | Existing Gross Ground Water Draft For Dom. & For All Ind. Use | Allocation For Dom. & Industrial Requirement for the Year 2025 (mem) | Net G.W. Availability For Future Irrigation Development (mem) | Stage of G.W. Development | Whe | Significance Decline in Post-Monsoon Water Level (mm) | (Yes/No) | (mm) |
|--------------------------|---------------|----------------|-----------------|--------------------------------------|---|---|--|---|---------------------------|---------------|---|------------|-----------------|
| | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| Bari | 816.24 | C | Ao | 49.63 | 1.2153 | 4.9812 | 0.9620 | 5.9432 | 1.6887 | 0.55 | 82.37 | NO | YES |
| | | | | | | | | | | | | | |
| NC | Ao | 149.29 | 17.5756 | 15.1500 | 0.9597 | 16.10% | | 1.7333 | 1.09 | 89.62 | NO | NO | |
| | | | | | | | | | | | | | |
| C | Ss | 31.48 | 3.5812 | 1.1580 | 1.0516 | 2.2096 | | 3.3079 | -0.88 | 61.68 | NO | NO | |
| | | | | | | | | | | | | | |
| NC | Ss | 283.02 | 19.8646 | 9.9354 | 1.5276 | 11.4630 | | 16158 | 8.31 | 57.71 | NO | NO | |
| | | | | | | | | | | | | | |
| Block Total | | 513.42 | 48.6377 | 31.2246 | 4.5009 | 35.7255 | | 8.357 | 9.07 | 73.45 | NO | NO | Safe |
| | | | | | | | | | | | | | |
| Baseri | 1001.42 | NC | Ao | 200.20 | 28.4638 | 26.6514 | 1.3383 | 27.9897 | 3.4946 | -1.68 | 98.33 | YES | YES |
| | | | | | | | | | | | | | |
| NC | Ss | 358.71 | 30.5841 | 14.6000 | 2.3056 | 26.9056 | | 4.287 | 1.70 | 87.97 | YES | YES | |
| | | | | | | | | | | | | | |
| Block Total | | 558.91 | 59.0479 | 51.2514 | 3.6439 | 54.8953 | | 7.780 | 0.02 | 92.97 | YES | YES | Critical |
| | | | | | | | | | | | | | |
| Dholpur | 609.32 | NC | Ao | 393.40 | 50.2175 | 65.6490 | 1.2469 | 68.8959 | 4.973 | -20.41 | 137.20 | YES | YES |
| | | | | | | | | | | | | | |
| NC | Ss | 95.45 | 9.6859 | 9.7356 | 1.983 | 11.7139 | | 8.4372 | -8.49 | 120.94 | NO | YES | |
| | | | | | | | | | | | | | |
| Block Total | | 488.85 | 59.9034 | 75.3846 | 5.725 | 80.6098 | | 13.4111 | -28.89 | 134.57 | YES | YES | O.E. |
| Rajakhera | 582.07 | NC | Ao | 488.72 | 57.6542 | 65.3138 | 3.4665 | 68.7903 | 6.2400 | -13.91 | 119.32 | NO | YES |
| | | | | | | | | | | | | | |
| Block Total | | 488.72 | 57.65 | 65.3138 | 3.4665 | 68.7903 | | 6.2400 | -13.91 | 119.32 | NO | YES | O.E. |
| Total of District | | 2049.90 | 225.2432 | 223.1844 | 16.8365 | 20.0209 | | 35.7771 | -33.72 | 106.56 | | | |

GROUND WATER POTENTIAL OF DUNGARPUR DISTRICT AS ON 31.3.2004
GROUND WATER RECHARGE, EXTRACTION & STAGE OF DEVELOPMENT

| Block | Block Area | Type of Area | Potential Zone | Net Annual G.W. Availability | Agriculture Draft Indus. Draft | Annual Gross Draft | Allocation for Dom. & Indus. | G. W. Availability for Future Irrg. | Stage of Development G.W. Pre-Develop. | Decline in Pre-Monsoon Water Level | Decline in Post-Monsoon Water Level | Category | Potential Recharge | | |
|-------------|------------|--------------|----------------|------------------------------|--------------------------------|--------------------|------------------------------|-------------------------------------|--|------------------------------------|-------------------------------------|----------|--------------------|----|----|
| | | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| Aspur | 675.95 | NC | Sc | 93.31 | 9.4481 | 6.6456 | 0.1798 | 6.8254 | 0.9585 | 1.8440 | 72.24 | YES | YES | | |
| | C | Sc | 173.88 | 10.4175 | 1.9539 | 0.5929 | 2.5468 | 2.6861 | 5.7775 | -24.45 | NO | NO | | | |
| | NC | Gn1 | 109.22 | 2.8535 | 2.5518 | 0.2179 | 2.7697 | 1.1015 | -0.7999 | 97.06 | YES | YES | | | |
| | C | Gn1 | 67.40 | 4.0235 | 1.0740 | 0.0860 | 1.1600 | 0.6781 | 2.2714 | 28.83 | NO | YES | | | |
| | NC | Gn2 | 55.43 | 1.4948 | 1.2816 | 0.1473 | 1.4289 | 0.7275 | -0.5143 | 95.59 | YES | YES | | | |
| | NC | | 257.96 | 13.7963 | 10.4790 | 0.5450 | 11.0240 | 2.7875 | 0.5298 | 79.91 | | | | | |
| | C | | 241.28 | 14.4410 | 3.0279 | 0.6789 | 3.7068 | 3.3642 | 8.0489 | 25.67 | | | | | |
| Block Total | BLOCK | | 499.24 | 28.2374 | 13.5069 | 1.2239 | 14.7308 | 6.1517 | 8.5788 | 52.17 | NO | NO | Safe | | |
| Bichhiwara | 704.97 | NC | Ph/Sc | 436.59 | 19.6556 | 16.1304 | 1.2744 | 17.4048 | 7.5918 | -4.0667 | 88.55 | NO | YES | | |
| Block Total | BLOCK | | 436.59 | 19.6556 | 16.1304 | 1.2744 | 17.4048 | 7.5918 | -4.0667 | 88.55 | NO | YES | S.Cr. | | |
| Dungarpur | 552.00 | NC | Ph/Sc | 366.74 | 14.0976 | 8.9646 | 1.4574 | 10.4220 | 6.3425 | -1.2095 | 73.93 | YES | NO | | |
| Block Total | BLOCK | Ph/Sc | 366.74 | 14.0976 | 8.9646 | 1.4574 | 10.4220 | 6.3425 | -1.2095 | 73.93 | YES | NO | S.Cr. | | |
| Sagwara | 590.12 | NC | Ph/Sc | 349.03 | 19.8719 | 18.4041 | 1.3065 | 19.7106 | 6.9123 | -5.4445 | 99.19 | YES | YES | | |
| | NC | Gn | 55.55 | 3.2320 | 2.7300 | 0.1374 | 2.8674 | 0.2974 | 0.2046 | 88.72 | NO | YES | | | |
| Block Total | BLOCK | | 404.58 | 23.1039 | 21.1341 | 1.4439 | 22.5780 | 7.2097 | -5.2399 | 97.72 | YES | YES | Critical | | |
| Simalwara | 1246.96 | NC | Ph/Sc | 845.82 | 39.9159 | 36.8550 | 1.5713 | 38.4263 | 7.7137 | -4.6528 | 96.27 | YES | YES | | |
| | NC | Ub | 81.16 | 2.9244 | 2.4822 | 0.0695 | 2.5517 | 0.7435 | -0.3013 | 87.26 | NO | NO | | | |
| Block Total | BLOCK | | 926.98 | 42.8403 | 39.3372 | 1.6408 | 40.9780 | 8.4572 | -4.9541 | 95.65 | YES | YES | Critical | | |
| TOTAL | NC | | 2392.85 | 113.4937 | 96.0453 | 6.3615 | 102.4068 | 32.3887 | -14.9403 | 90.23 | | | | | |
| | C | | 241.28 | 14.4410 | 3.0279 | 0.6789 | 3.7068 | 3.3642 | 8.0489 | 25.67 | | | | | |
| G.TOTAL | 3770.00 | DISTRICT | 2634.13 | 127.9347 | 99.0732 | 7.0404 | 106.1136 | 35.7529 | -6.8914 | 82.94 | | | | | |

GROUND WATER POTENTIAL OF SRI GANGANAGAR DISTRICT AS ON 31.3.2004

| Block | Area of Block | Type of Area | Poten-tial Zone | Net Annual Ground Water Availability | Existing Gross G.W. | Existing W. Draft for Irrigation | Gross G.W. Draft for Dom. & Ind. Use | Ground Water Requirement as on year 2025 | Allocation for Dom. & Ind. Irrigation Dev. | Net G.W. | Stage of Availability for future Irrigation Dev. | Decline in Pre-monsoon W.L. | Decline in Post-monsoon W.L. | Category | Potential Recharge | |
|----------------------------------|---------------|--------------|-----------------|--------------------------------------|---------------------|----------------------------------|--------------------------------------|--|--|----------|--|-----------------------------|------------------------------|----------|--------------------|--|
| | | | | | | | | | | | | | | | (mmcm) | |
| 1 | 2 | 3 | 4 | 5 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | | |
| Anupgarh | 3775.74 | C | A1 | 641.70 | 71.7578 | 8.5590 | 0.1400 | 8.6990 | 0.3500 | 62.8488 | 12.12 | No | No | No | | |
| | | C | A(S) | 3134.00 | 228.7328 | 2.1222 | 0.0210 | 2.1432 | 0.0525 | 226.5581 | 0.94 | No | No | No | | |
| Total of Block (Excl. Saline) | 641.70 | 71.7578 | | 8.5590 | 0.1400 | 8.6990 | 0.3500 | 62.8488 | 12.12 | No | No | No | No | SAFE | | |
| Ganganagar | 866.65 | C | A1 | 242.40 | 93.6117 | 60.2235 | 0.9450 | 61.1685 | 2.3625 | 31.0257 | 65.34 | No | No | No | | |
| | | C | A(s) | 624.30 | 138.3549 | 31.0842 | 0.0280 | 31.1122 | 0.0700 | 107.2007 | 22.49 | No | No | No | | |
| Total of Block (Excl. Saline) | 242.40 | 93.6117 | | 60.2235 | 0.9450 | 61.1685 | 2.3625 | 31.0257 | 65.34 | No | No | No | No | SAFE | | |
| Karanpur | 826.83 | C | A1 | 249.70 | 59.7897 | 21.6750 | 0.4200 | 22.0950 | 1.0500 | 37.0647 | 36.95 | No | No | No | | |
| | | C | A(s) | 577.10 | 101.8925 | 10.6884 | 0.0070 | 10.6954 | 0.0175 | 91.1866 | 10.50 | No | No | No | | |
| Total of Block (Excl. Saline) | 249.70 | 59.7897 | | 21.6750 | 0.4200 | 22.0950 | 1.0500 | 37.0647 | 36.95 | No | No | No | No | SAFE | | |
| Padampur | 846.91 | C | A1 | 146.40 | 36.7469 | 24.1500 | 0.4200 | 24.5700 | 1.0500 | 11.5469 | 66.86 | No | No | No | | |
| | | C | A(s) | 700.50 | 86.3455 | 8.1936 | 0.0070 | 8.2006 | 0.0175 | 78.1344 | 9.50 | No | No | No | | |
| Total of Block (Excl. Saline) | 146.40 | 36.7469 | | 24.1500 | 0.4200 | 24.5700 | 1.0500 | 11.5469 | 66.86 | No | No | No | No | SAFE | | |
| Raisingh | 1368.32 | C | A1 | 96.30 | 18.5764 | 6.9300 | 0.0770 | 7.0070 | 0.1925 | 11.4539 | 37.72 | No | No | No | | |
| Nagar | | C | A(s) | 1272.00 | 137.1211 | 4.5036 | 0.0280 | 4.5316 | 0.0700 | 132.5475 | 3.30 | No | No | No | | |
| Total of Block (Excl. Saline) | 96.30 | 18.5764 | | 6.9300 | 0.0770 | 7.0070 | 0.1925 | 11.4539 | 37.72 | No | No | No | No | SAFE | | |
| Sadul Shahar | 892.67 | C | A1 | 31.50 | 13.4319 | 5.4375 | 0.0000 | 5.4375 | 0.0000 | 7.9944 | 40.48 | No | No | No | | |
| | | C | A(s) | 861.20 | 79.7951 | 6.2478 | 0.0140 | 6.2618 | 0.0350 | 73.5123 | 7.85 | No | No | No | | |
| Total of Block (Excl. Saline) | 31.50 | 13.4319 | | 5.4375 | 0.0000 | 5.4375 | 0.0000 | 7.9944 | 40.48 | No | No | No | No | SAFE | | |
| Suratgarh | 3026.53 | C | A1(i) | 73.70 | 11.4829 | 9.0750 | 0.8085 | 9.8835 | 2.0213 | 0.3867 | 86.07 | No | No | | | |
| | | C | A1(ii) | 63.90 | 7.1232 | 2.8500 | 0.0000 | 2.8500 | 0.0000 | 4.2732 | 40.01 | No | No | | | |
| | | C | A(s) | 1946.90 | 168.5563 | 10.0458 | 0.0210 | 10.0668 | 0.0325 | 158.4580 | 5.97 | No | No | | | |
| | | N | Ao(s) | 942.00 | 20.1157 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 20.1157 | 0.00 | No | No | | | |
| Total of Block (Excl. Saline) | 137.60 | 18.6061 | | 11.9250 | 0.8085 | 12.7335 | 2.0213 | 4.6599 | 68.44 | No | No | No | No | SAFE | | |
| Total of District (Excl. Saline) | 1545.60 | 312.5205 | | 138.9000 | 2.8105 | 141.7105 | 7.0263 | 166.5943 | 45.34 | | | | | | | |
| Total of District (Saline) | 10058.00 | 960.9139 | | 72.8856 | 0.1260 | 73.0116 | 0.3150 | 887.7133 | 7.60 | | | | | | | |

GROUND WATER POTENTIAL OF HANUMANGARH DISTRICT AS ON 31.3.2004
GROUND WATER RECHARGE,EXTRACTION & STAGE OF GROUND WATER DEVELOPMENT

| Block | Area of Block | Type of Water bearing Area | Potential zone area (Sq.Km.) | Net Annual Ground Water Availability (Sq.Km.) | Existing Gross G.W. Draft for Irrigation (mcm) | Existing Gross G.W. Draft for Irrigation (mcm) | Allocation Dom. & Ind. Requirement as on Dev. (mcm) | Net G.W. Availability for future Irrigation. (mcm) | Stage of G.W. Development (%) | Whether significant decline in post monsoon W.L. (Yes/No) | Category | Potential Recharge (mcm) | | | | |
|-------------------------------------|----------------|----------------------------|------------------------------|---|--|--|---|--|-------------------------------|---|-------------|--------------------------|---|---|---|--|
| | | | | | | | | | | | | 1 | 2 | 3 | 4 | |
| Bhadra | 1776.77 | C A1 | 158.10 | 19.1729 | 10.1100 | 0.6125 | 10.7225 | 1.2250 | 7.8379 | 55.93 | No | No | | | | |
| | | C A(s) | 646.60 | 50.9478 | 14.3694 | 0.0350 | 14.4044 | 0.0700 | 36.5084 | 28.27 | No | No | | | | |
| | NC A(s) | | 972.10 | 39.8122 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 39.8122 | 0.00 | No | No | | | | |
| Total of Block (Excl.Saline) | 158.10 | 19.1729 | 10.1100 | 0.6125 | 10.7225 | 1.2250 | 7.8379 | 55.93 | No | No | Safe | | | | | |
| Hanumangarh | 3691.11 | C A1(i) | 980.60 | 147.0983 | 126.2685 | 4.4100 | 130.6785 | 9.8438 | 10.9860 | 88.84 | No | No | | | | |
| | | C A1(ii) | 82.70 | 15.8461 | 13.7160 | 0.0000 | 13.7160 | 0.0000 | 2.1301 | 86.56 | No | No | | | | |
| | NC A(s) | | 2627.80 | 416.5559 | 117.3006 | 0.1190 | 117.4196 | 0.2000 | 299.0553 | 28.19 | No | No | | | | |
| Total of Block (Excl.Saline) | 1063.30 | 162.9444 | 139.9845 | 4.4100 | 144.3945 | 9.8438 | 13.1161 | 88.62 | No | No | Safe | | | | | |
| Nohar | 4111.66 | C A1 | 57.10 | 9.8527 | 6.8970 | 0.0000 | 6.8970 | 0.0000 | 2.9557 | 70.00 | No | No | | | | |
| | | C A(s) | 900.90 | 134.9922 | 34.9704 | 0.0490 | 35.0194 | 0.1000 | 99.9218 | 25.94 | No | No | | | | |
| | NC A(s) | | 1007.40 | 25.1750 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 25.1750 | 0.00 | No | No | | | | |
| | C Ao(s) | | 160.10 | 11.7939 | 3.8610 | 0.0000 | 3.8610 | 0.0000 | 7.9329 | 32.74 | No | No | | | | |
| | NC Ao(s) | | 1986.20 | 43.6241 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 43.6241 | 0.00 | No | No | | | | |
| Total of Block (Excl.Saline) | 57.10 | 9.8527 | 6.8970 | 0.0000 | 6.8970 | 0.0000 | 2.9557 | 70.00 | No | No | Safe | | | | | |
| District Total (Excl.Saline) | 1278.50 | 191.9700 | 156.9915 | 5.0225 | 162.0140 | 11.0688 | 23.9097 | 84.40 | | | | | | | | |
| District Total (Saline) | 8301.10 | 722.9011 | 170.5014 | 0.2030 | 170.7044 | 0.3700 | 552.0297 | 23.61 | | | | | | | | |

GROUND WATER POTENTIAL OF JAIPUR DISTRICT AS ON 31.3.2004

GROUND WATER RECHARGE,EXTRACTION & STAGE OF GROUND WATER DEVELOPMENT

| Block | Area of Block (Sq.Km.) | Type of Area | Poten-tial Zone | Poten-tial Zone Area (Sq.Km.) | Net Annual Ground Water Availability (mcm) | Existing Gross Ground Water Availability (mcm) | Allocation for Dom.& Industrial Requirement As Projected for the Year | Net G.W. Availability for future Irrigation Development | Stage of Ground Water Development (%) | Decline in Pre-Monsoon Water Level (Yes/No) | Category | Annual Poten-tial Rech-arge (mcm) | | | |
|--------------------|------------------------|--------------|-----------------|-------------------------------|--|--|---|---|---------------------------------------|---|---------------|-----------------------------------|------------|-----------------|----|
| | | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| Amer | 898.64 | NC | A | 746.46 | 571.690 | 99.3551 | 8.2307 | 107.5858 | 20.2160 | -62.4021 | 188.19 | YES | YES | - | |
| | NC | Q | 104.02 | 57.584 | 6.6073 | 6.0867 | 12.6940 | 7.8253 | -8.6742 | 220.45 | NO | YES | - | - | |
| Block Total | | | | 850.48 | 62.9273 | 105.9624 | 14.3175 | 120.2799 | 28.0413 | -71.0764 | 191.14 | YES | YES | O.E. | |
| Bairath | 706.10 | NC | A | 588.38 | 43.3962 | 34.5655 | 8.8122 | 43.3776 | 9.2748 | -0.4441 | 99.96 | YES | YES | - | |
| | NC | Q | 75.60 | 27601 | 3.2436 | 1.6032 | 4.8468 | 3.8263 | -4.3098 | 175.60 | YES | YES | - | - | |
| Block Total | | | | 663.98 | 46.1563 | 37.8091 | 10.4154 | 48.2245 | 13.1011 | -4.7539 | 104.48 | YES | YES | O.E. | |
| Bassi | 654.69 | NC | A | 218.85 | 14.1655 | 17.0586 | 6.0604 | 23.1190 | 12.2500 | -15.1431 | 163.21 | YES | YES | - | |
| | NC | Ao | 357.62 | 25.1501 | 47.5232 | 3.3995 | 50.9327 | 8.0560 | -30.4391 | 202.51 | YES | YES | - | - | |
| | NC | Q | 54.76 | 1.5385 | 3.4073 | 1.0445 | 4.4518 | 2.4763 | -4.3451 | 289.35 | YES | YES | - | - | |
| Block Total | | | | 631.23 | 40.8542 | 67.9991 | 10.5044 | 78.5035 | 22.7823 | -49.9272 | 192.16 | YES | YES | O.E. | |
| Chaksu | 811.92 | NC | Ao | 552.06 | 35.2286 | 54.4657 | 2.7771 | 57.2428 | 7.8200 | -27.0571 | 162.49 | YES | YES | - | |
| | NC | Sc | 177.30 | 5.9030 | 9.5722 | 1.5790 | 11.1511 | 2.6010 | -6.2701 | 188.90 | YES | YES | - | - | |
| Block Total | | | | 729.36 | 41.1316 | 64.0379 | 4.3561 | 68.3939 | 10.4210 | -33.3272 | 166.28 | YES | YES | O.E. | |
| Dudu | 1870.64 | NC | Ao | 327.26 | 18.2569 | 18.5569 | 4.1236 | 22.6805 | 5.9062 | -6.2062 | 124.23 | YES | YES | - | |
| | NC | Sc | 407.93 | 18.3264 | 8.3038 | 2.4667 | 10.7705 | 3.7700 | 6.2526 | 58.77 | NO | NO | - | - | |
| | NC | Gn | 1055.68 | 26.4321 | 17.6310 | 7.9719 | 25.6029 | 11.5600 | -2.7589 | 96.86 | YES | YES | - | - | |
| Block Total | | | | 1790.87 | 63.0154 | 44.4917 | 14.5622 | 59.0539 | 21.2362 | -2.7125 | 93.71 | YES | YES | Critical | |
| Govindgarh | 685.12 | NC | A | 638.08 | 50.9257 | 114.9540 | 10.9342 | 125.8882 | 19.1600 | -83.1883 | 247.20 | YES | YES | - | |
| Block Total | | | | 638.08 | 50.9257 | 114.9540 | 10.9342 | 125.8882 | 19.1600 | -83.1883 | 247.20 | YES | YES | O.E. | |
| J.Ramgarh | 1033.70 | NC | A | 577.82 | 34.8713 | 46.3735 | 3.2856 | 49.6591 | 4.4000 | -15.9022 | 142.41 | YES | YES | - | |
| | NC | Q1 | 96.85 | 3.2801 | 5.7069 | 0.7225 | 6.4294 | 0.7400 | -31.668 | 196.01 | YES | YES | - | - | |
| | NC | Q2 | 78.95 | 2.6536 | 4.5013 | 0.2870 | 4.7883 | 0.5900 | -2.4377 | 180.45 | YES | YES | - | - | |
| | NC | Sc | 136.01 | 3.9195 | 2.9254 | 0.6855 | 3.6109 | 1.0200 | -0.0259 | 92.13 | NO | YES | - | - | |
| | NC | G | 72.25 | 1.8154 | 1.5600 | 0.2343 | 1.7943 | 0.5900 | -0.3346 | 98.84 | YES | YES | - | - | |
| Block Total | | | | 961.88 | 46.5399 | 61.0671 | 5.2150 | 66.2821 | 7.3400 | -21.8672 | 142.42 | YES | YES | O.E. | |

GROUND WATER POTENTIAL OF JAIPUR DISTRICT AS ON 31.3.2004

| Block | Area of Block (Sq.Km.) | Type of Area | Poten-tial Zone | Net Annual Ground Water Availability (mcm) | Existing Gross Ground Water Availability (mcm) | Existing Gross Ground Water Availability (mcm) | Allocation for Dom.& Industrial Requirement As Projected for the Year 2025 (mcm) | Net G.W. Availability for future Irrigation Development (mcm) | Stage of Ground Water Develop-ment (%) | Decline in Pre-Monsoon Water Level (Yes/No) | Category | Annual Poten-tial Rech-arge (mcm) | | | | | |
|-----------------------|------------------------|--------------|-----------------|--|--|--|--|---|--|---|---------------|-----------------------------------|-----------------|-------------|----|--|--|
| | | | | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | | |
| Jhotwara | 568.79 | NC | A | 553.04 | 49.9523 | 70.9970 | 94.3808 | 165.3778 | 191.5900 | -212.6347 | 331.07 | YES | YES | - | - | | |
| Block Total | 553.04 | | | | | 70.9970 | 94.3808 | 165.3778 | 191.5900 | -212.6347 | 331.07 | YES | YES | O.E. | | | |
| Kotputli | 691.71 | NC | A | 442.21 | 47.8028 | 75.7416 | 8.0493 | 83.7909 | 13.1300 | -41.0688 | 175.28 | YES | YES | - | - | | |
| | | NC | Q | 130.54 | 4.3910 | 5.6794 | 1.0918 | 6.7712 | 1.9700 | -3.2584 | 154.21 | No | YES | - | - | | |
| Block Total | 572.75 | | | 52.1938 | 81.4210 | 9.1411 | 90.5621 | 15.1000 | -44.3272 | 173.51 | YES | YES | O.E. | | | | |
| Phagi | 1114.34 | NC | Ao | 396.11 | 32.3141 | 25.9032 | 2.4005 | 28.3037 | 2.4100 | 4.0009 | 87.59 | YES | YES | O.E. | - | | |
| | | NC | Sc | 73.40 | 1.9547 | 1.8727 | 0.3978 | 2.2705 | 0.4200 | -0.3380 | 116.15 | YES | YES | - | - | | |
| | | NC | Gn | 304.00 | 8.0944 | 7.7449 | 0.3771 | 8.1220 | 1.8900 | -1.5405 | 100.34 | No | YES | - | - | | |
| Block Total | 773.51 | | | 42.3632 | 35.5208 | 3.1754 | 38.6962 | 4.7200 | 2.1224 | 91.34 | YES | YES | Critical | | | | |
| Sambher | 938.40 | NC | A | 249.44 | 19.3761 | 41.7639 | 4.1962 | 45.9601 | 5.9065 | -28.2943 | 237.20 | YES | YES | - | - | | |
| | | NC | Ao | 582.04 | 25.0082 | 66.9467 | 6.1455 | 73.0922 | 14.6768 | -56.6153 | 292.27 | YES | YES | - | - | | |
| Block Total | 831.48 | | | 44.3843 | 108.7106 | 10.3418 | 119.0524 | 20.5833 | -84.9096 | 268.23 | YES | YES | O.E. | | | | |
| Sanganer | 657.54 | NC | Ao | 613.87 | 41.1202 | 78.7514 | 21.1881 | 99.9395 | 36.3315 | -73.9627 | 243.04 | YES | YES | - | - | | |
| Block Total | 613.87 | | | 41.1202 | 78.7514 | 21.1881 | 99.9395 | 36.3315 | -73.9627 | 243.04 | YES | YES | O.E. | | | | |
| Shahpura | 429.85 | NC | A | 384.14 | 27.6890 | 48.2402 | 8.3627 | 56.6029 | 19.8833 | -40.4345 | 204.42 | YES | YES | - | - | | |
| Block Total | 384.14 | | | 27.6890 | 48.2402 | 8.3627 | 56.6029 | 19.8833 | -40.4345 | 204.42 | YES | YES | O.E. | | | | |
| Phagi | | Saline | Ao(S) | 340.06 | 19.4435 | 15.6521 | 0.0000 | 15.6521 | 0.0000 | 3.7914 | 80.50 | | | - | | | |
| Total of District | 11061.4 | NC | | 9994.67 | 609.2532 | 919.9622 | 216.8946 | 1136.8568 | 410.2900 | -720.9990 | 186.60 | | | | | | |
| Total of Saline zones | | SAL | | 340.06 | 19.4435 | 15.6521 | 0.0000 | 15.6521 | 0.0000 | 3.7914 | 80.50 | | | | | | |

GROUND WATER POTENTIAL OF JAISALMER DISTRICT AS ON 31.3.2004
GROUND WATER RECHARGE, EXTRACTION & STAGE OF GROUND WATER DEVELOPMENT

| Block | Area of Block | Type of Area | Poten-tial Zone | Potential Zone Area | Net Annual Ground Water Availability | (Sq.kms) | (Sq.kms) | (mcm) | (mcm) | (mcm) | (mcm) | Existing Gross Ground Water Draft for Irrigation | Existing Gross Ground Water Draft for Dom. & Ind. Use | Allocation for Dom. & Ind. Requ'ment as on year 2025 | Stage of G.W. Develop-ment. | Decline in Post-monsoon W.L. | Decline in Pre-monsoon W.L. | Decline in Categori | Potential Recharge | |
|-----------|---------------|--------------------------------------|-----------------|---------------------|--------------------------------------|----------------|----------------|----------------|---------------|----------------|---------------|--|---|--|-----------------------------|------------------------------|-----------------------------|---------------------|--------------------|--|
| | | | | | | | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | | | | | |
| Jaisalmer | 11505.00 | NC | L1/1 | 1412.37 | 8.46062 | 20.7168 | 4.9590 | 25.6758 | 6.9768 | -19.233 | 303.47 | YES | YES | | | | | | | |
| | | NC | Ss1(J) | 756.25 | 6.8429 | 1.0550 | 1.7820 | 2.8370 | 1.1220 | 4.6659 | 41.46 | NO | NO | | | | | | | |
| | | NC | P1/1 | 151.85 | 1.3645 | 0.0000 | 0.2076 | 0.2076 | 0.1377 | 1.2268 | 15.21 | NO | NO | | | | | | | |
| | | NC | T1/1 | 139.75 | 1.0464 | 0.0000 | 0.1296 | 0.1296 | 0.0510 | 0.9954 | 12.39 | NO | NO | | | | | | | |
| | | NC | T1/2 | 50.00 | 0.3744 | 0.0000 | 0.0420 | 0.0420 | 0.0840 | 0.2904 | 11.22 | | | | | | | | | |
| | | Saline | S(A) | 4228.03 | 37.9913 | 0.0000 | 0.0300 | 0.0300 | 0.0510 | 37.9403 | 0.08 | | | | | | | | | |
| | | Saline | S(T) | 1935.25 | 14.4912 | 0.0000 | 0.0405 | 0.0405 | 0.0510 | 14.4402 | 0.28 | | | | | | | | | |
| | | Saline | S(BSKH) | 1387.50 | 10.3896 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 10.3896 | 0.00 | | | | | | | | | |
| | | Saline | S(Ss) | 550.00 | 4.1184 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 4.1184 | 0.00 | | | | | | | | | |
| | | Saline | S(Ss) | 181.25 | 1.3572 | 0.0000 | 0.0900 | 0.0900 | 0.0734 | 1.2838 | 6.63 | | | | | | | | | |
| | | Saline | S(L) | 712.75 | 6.4045 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 6.4045 | 0.00 | | | | | | | | | |
| | | Total of block (Excl. Saline) | | | | 2510.22 | 18.0888 | 21.7718 | 7.1202 | 28.8920 | 8.3715 | -12.0545 | 159.72 | YES | NO | O.E. | | | | |
| Sam | 21111.00 | NC | A1/1 | 781.25 | 2.7549 | 0.0000 | 0.3180 | 0.3180 | 0.4325 | 2.3224 | 11.54 | NO | NO | | | | | | | |
| | | NC | A1/2 | 763.00 | 2.6905 | 0.0000 | 0.2438 | 0.2438 | 0.1495 | 2.5410 | 9.06 | NO | NO | | | | | | | |
| | | NC | A1/3 | 828.75 | 2.4353 | 0.0000 | 0.1320 | 0.1320 | 0.2640 | 2.1713 | 5.42 | NO | NO | | | | | | | |
| | | NC | A2/1 | 274.50 | 0.9679 | 0.0000 | 0.1920 | 0.1920 | 0.0765 | 0.8914 | 19.84 | NO | NO | | | | | | | |
| | | NC | A2/2 | 243.75 | 0.7162 | 0.0000 | 0.0250 | 0.0250 | 0.0275 | 0.6887 | 3.49 | - | - | | | | | | | |
| | | NC | T1/1 | 428.12 | 1.5097 | 0.0000 | 0.0270 | 0.0270 | 0.0055 | 1.5042 | 1.79 | NO | NO | | | | | | | |
| | | NC | T1/2 | 133.12 | 0.3911 | 0.0000 | 0.2250 | 0.2250 | 0.1020 | 0.2891 | 57.53 | - | - | | | | | | | |
| | | NC | T1/3 | 110.00 | 0.3879 | 0.1250 | 0.1800 | 0.3050 | 0.2295 | 0.0334 | 78.62 | NO | NO | | | | | | | |
| | | NC | T1/4 | 160.00 | 0.4702 | 0.0000 | 0.0840 | 0.0840 | 0.1680 | 0.3022 | 17.86 | - | - | | | | | | | |
| | | NC | P1/1 | 363.50 | 1.0681 | 0.0000 | 0.5880 | 0.5880 | 0.9995 | 0.0686 | 55.05 | NO | NO | | | | | | | |
| | | NC | P1/2 | 376.87 | 1.3289 | 0.0000 | 0.7140 | 0.7140 | 0.9710 | 0.3579 | 53.73 | YES | NO | | | | | | | |
| | | NC | Bd1 | 327.00 | 0.9609 | 0.0000 | 0.7200 | 0.7200 | 0.9180 | 0.0429 | 74.93 | NO | NO | | | | | | | |
| | | NC | Bd2 | 135.00 | 0.4761 | 0.0000 | 0.3600 | 0.3600 | 0.5872 | -0.1111 | 75.62 | YES | NO | | | | | | | |
| | | NC | L1/1 | 1391.25 | 4.0882 | 0.5900 | 1.3860 | 1.3860 | 1.5959 | 1.9023 | 48.33 | NO | NO | | | | | | | |
| | | NC | L1/2 | 250.00 | 0.8816 | 0.0300 | 0.5400 | 0.5700 | 0.7140 | 0.1376 | 64.66 | NO | NO | | | | | | | |
| | | NC | L2 | 753.54 | 2.6572 | 0.1200 | 1.2000 | 1.3200 | 1.5830 | 0.9542 | 49.68 | NO | NO | | | | | | | |

| Block | Area of Block | Type of Area | Potential Zone | Net Annual Ground Water Availability | Existing Gross Ground Water Draft for Irrigation (mcm) | Existing Gross G.W. | Draft for Dom. & Ind. Use | Allocation for Dom. & Ind. Requ'ment as on year 2025 Dev. (mcm) | Stage of G.W. Develop-ment. | Decline in Pre- monsoon W.L. | Category | Potential Recharge | |
|---|---------------|--------------|----------------|--------------------------------------|--|---------------------|---------------------------|---|-----------------------------|------------------------------|---------------|--------------------|-------------|
| | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 14 | 15 |
| | NC | Ss1(J) | 333.00 | 0.9785 | 0.0600 | 0.4104 | 0.4704 | 0.2550 | 0.6635 | 48.07 | | | |
| | NC | G | 308.00 | 1.0860 | 0.0600 | 0.1163 | 0.1763 | 0.0000 | 1.0260 | 16.23 | | | |
| Saline | S(A) | 6054.69 | 17.7917 | 0.0000 | 0.0900 | 0.0900 | 0.0000 | 0.0000 | 17.7917 | 0.51 | | | |
| Saline | S(T) | 4392.26 | 15.4879 | 0.0000 | 0.0450 | 0.0450 | 0.0000 | 0.0000 | 15.4879 | 0.29 | | | |
| Saline | S(BSKH) | 933.40 | 2.7428 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 2.7428 | 0.00 | | | |
| Saline | S(P) | 467.00 | 1.6468 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 1.6468 | 0.00 | | | |
| Saline | S(Bd) | 729.00 | 2.1422 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 2.1422 | 0.00 | | | |
| Saline | S(L/G) | 574.00 | 1.6867 | 0.0000 | 0.0023 | 0.0023 | 0.0000 | 0.0000 | 1.6867 | 0.13 | | | |
| Total of block (Excl. Saline) | | | | 7960.65 | 25.8491 | 0.9850 | 7.4615 | 8.4465 | 9.0786 | 15.7856 | 32.68 | NO | NO |
| Sankra | 5529.00 | NC | L1/1 | 349.43 | 3.4364 | 8.1000 | 1.3515 | 9.4515 | 2.1624 | -6.8260 | 275.04 | YES | YES |
| | NC | L1/2 | 208.12 | 2.0467 | 5.2104 | 1.0500 | 6.2904 | 1.7646 | -4.9283 | 307.34 | YES | | |
| | NC | L1/3 | 195.00 | 2.3499 | 1.0800 | 0.0202 | 1.1002 | 0.1318 | 1.1381 | 46.82 | NO | NO | |
| | NC | L1/4 | 65.62 | 0.6453 | 0.4992 | 0.1500 | 0.6492 | 0.3000 | -0.1539 | 100.60 | YES | YES | |
| | NC | Ss1 | 139.75 | 1.5348 | 1.1880 | 0.1282 | 1.3162 | 0.2769 | 0.0699 | 85.75 | NO | NO | |
| | NC | Ss2 | 206.25 | 2.1114 | 1.8444 | 0.5950 | 2.4394 | 0.8752 | -0.6082 | 115.53 | YES | YES | |
| | NC | Ss3 | 76.25 | 0.7499 | 0.0000 | 0.0840 | 0.0840 | 0.0510 | 0.6989 | 11.20 | - | - | |
| | NC | R | 72.50 | 0.8720 | 0.3650 | 0.3696 | 0.7346 | 0.7392 | -0.2322 | 84.24 | NO | NO | |
| | NC | G | 306.25 | 2.4094 | 0.0000 | 0.0654 | 0.0654 | 0.1308 | 2.2786 | 2.71 | | | |
| | Saline | S(R) | 2260.42 | 26.6755 | 0.0000 | 0.1917 | 0.1917 | 1.7204 | 24.9551 | 0.72 | | | |
| | Saline | S(T) | 517.38 | 6.1057 | 0.0000 | 0.0053 | 0.0053 | 0.0090 | 6.0967 | 0.09 | | | |
| | Saline | S(L) | 137.00 | 1.3473 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 1.3473 | 0.00 | | | |
| | Saline | S(SS) | 382.50 | 3.0093 | 0.0000 | 0.0000 | 0.0000 | 0.0785 | 2.9308 | 0.00 | | | |
| | Saline | S(G) | 612.53 | 4.8407 | 0.1600 | 0.1220 | 0.2830 | 0.2460 | 4.4347 | 5.85 | | | |
| Total of block (Excl. Saline) | | | | 1619.17 | 16.1558 | 18.2870 | 3.8437 | 22.1307 | 6.4319 | -8.5631 | 136.98 | YES | O.E. |
| Total of District (Excl. Saline) | | | | 12090.04 | 60.0938 | 41.0438 | 18.4254 | 59.4692 | 23.8820 | -4.8320 | 98.96 | | |
| Total of District (Saline) | | | | 26054.96 | 158.2288 | 0.1600 | 0.6177 | 0.7777 | 2.2293 | 155.8395 | 0.49 | | |

GROUND WATER POTENTIAL OF JALORE DISTRICT AS ON 31.3.2004

| Block | Area of Block (Sq.Km.) | Type of Area | Potential Zone | Net Annual Ground Water Availability (mcm) | (Sq.Km.) | Poten- | Existing Gross | Existing Gross | Allocation for Dom. & Industrial Requirement for the Year 2025 | Net G.W. | Stage of G.W. | Decline In Pre-Monsoon Water Level | Decline Post-Monsoon Water Level | Car- | Annual Poten- | |
|--|---------------------------|--------------|----------------|---|----------|----------------|----------------|------------------------------------|--|---|----------------|------------------------------------|----------------------------------|------------|---------------|----------|
| | | | | | | tial | Zone Area | Ground Water Availability (mcm) | Draft for Dom.& Industrial Use (mcm) | Availability for future Irrigation Develop- (mcm) | G.W. | Development (%) | (Yes/No) | (Yes/No) | (Yes/No) | (mcm) |
| 1 | 2 | 3 | 4 | 5 | 6 | "A1" | 128.12 | 7.639 | 13.2354 | 2.6640 | 15.5994 | 6.6600 | -12.2555 | 208.11 | YES | YES |
| Jalore | 1044.77 | NC | "A01" | 71.87 | 3.9735 | 6.0165 | 0.6480 | 6.6645 | 1.6200 | -3.6630 | 167.72 | YES | YES | - | - | - |
| | | NC | "A02" | 113.00 | 4.5755 | 3.8220 | 0.9504 | 4.8024 | 2.0160 | -1.2926 | 104.96 | YES | YES | - | - | - |
| | | NC | "A03" | 222.25 | 10.7627 | 7.3100 | 0.2304 | 7.504 | 0.5760 | 2.8767 | 70.06 | YES | YES | - | - | - |
| | | NC | "S(Ao)" | 1006.00 | 45.5643 | 9.7344 | 0.5184 | 10.2528 | 1.0800 | 34.7499 | 22.50 | - | - | - | - | - |
| TOTAL OF BLOCK (Excluding Saline) | | | | | | 535.24 | 26.9516 | 30.4139 | 4.4928 | 34.9067 | 10.8720 | -14.3344 | 129.52 | Yes | O.E. | - |
| Bhinnmal | 1365.61 | NC | "A1" | 56.25 | 2.8175 | 9.2880 | 0.7200 | 10.0080 | 2.2800 | -8.7505 | 355.20 | YES | YES | - | - | - |
| | | NC | "A2(N)" | 68.75 | 5.5210 | 8.3096 | 0.2160 | 8.5256 | 0.7200 | -3.5086 | 154.42 | YES | YES | - | - | - |
| | | NC | "A2(W)" | 62.50 | 3.8212 | 10.8540 | 1.3824 | 12.2364 | 2.4840 | -9.5168 | 320.22 | YES | YES | - | - | - |
| | | NC | "A02(W)" | 141.50 | 7.3528 | 29.2530 | 0.9720 | 30.2250 | 1.7820 | -23.6822 | 411.07 | YES | YES | - | - | - |
| | | NC | "A02(NW)" | 262.50 | 15.8365 | 33.1620 | 0.3888 | 33.5508 | 0.8640 | -18.1895 | 211.86 | YES | YES | - | - | - |
| | | NC | "A03(NE)" | 100.00 | 5.7462 | 4.6444 | 0.0720 | 4.7164 | 0.1800 | 0.9218 | 82.08 | YES | YES | - | - | - |
| | | NC | "A03(W)" | 631.25 | 29.4451 | 55.9080 | 0.4320 | 56.3400 | 0.8100 | -27.2730 | 191.34 | YES | YES | - | - | - |
| TOTAL OF BLOCK (Excluding Saline) | | | | | | 1322.75 | 70.5403 | 151.4190 | 4.1832 | 155.6022 | 9.1200 | -89.9988 | 220.59 | Yes | O.E. | - |
| Jalore | 1040.05 | NC | "A1(N)" | 112.50 | 7.7439 | 8.8290 | 0.5376 | 9.3666 | 1.8660 | -2.9511 | 120.95 | YES | YES | - | - | - |
| | | NC | "A1"(S) | 112.50 | 8.8331 | 16.8975 | 1.4688 | 18.3663 | 3.4560 | -11.5204 | 207.93 | YES | YES | - | - | - |
| | | NC | "A02(E)" | 443.75 | 23.8642 | 23.6250 | 1.5984 | 25.2234 | 3.4200 | -3.1808 | 105.70 | YES | YES | - | - | - |
| | | NC | "A02(S)" | 165.62 | 8.9314 | 9.0000 | 0.2612 | 9.3612 | 0.7230 | -0.7916 | 104.81 | YES | YES | - | - | - |
| | | NC | "S(Ao)" | 147.56 | 5.4458 | 0.9288 | 0.0000 | 0.9288 | 0.0000 | 4.5170 | 17.06 | - | - | - | - | - |
| TOTAL OF BLOCK (Excluding Saline) | | | | | | 834.37 | 49.3725 | 58.3515 | 3.9660 | 62.3175 | 9.4650 | -18.4439 | 126.22 | Yes | O.E. | - |
| Jaswant-pura | 1049.42 | NC | "A1" | 62.50 | 5.6731 | 8.9100 | 0.5040 | 9.4140 | 0.8100 | -4.0469 | 165.94 | YES | YES | - | - | - |
| | | NC | "A02" | 437.50 | 25.8151 | 17.3774 | 1.4976 | 18.8750 | 2.6550 | 5.7827 | 73.12 | YES | YES | - | - | - |
| TOTAL OF BLOCK (Excluding Saline) | | | | | | 932.37 | 48.9662 | 48.8539 | 2.7036 | 51.5585 | 4.8600 | -4.7487 | 105.29 | Yes | O.E. | - |

| Block | Area of Block (Sq.Km.) | Type of Area | Potential Zone | Potential Zone Area (Sq.Km.) | Net Annual Ground Water Availability (mmcm) | Existing Gross Ground Water Draft for Dom.& Irrig. (mmcm) | Existing Gross G.W, Draft for Dom.& Industrial Use (mmcm) | Existing Gross Ground Water Draft for all uses (mmcm) | Allocation for Dom. & Industrial Requirement for the Year 2025 (mcm) | Net G.W. | Availability for future Irrigation Develop. (mcm) | Stage of G.W. Develop-ment (%) | Decline In Pre-Monsoon Water Level (Yes/No) | Decline Post-Monsoon Water Level (Yes/No) | Category | Annual Potential Rech-arge (mmcm) |
|---|------------------------|--------------|-----------------|------------------------------|---|---|---|---|--|------------------|---|--------------------------------|---|---|----------|-------------------------------------|
| | | | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | |
| Raniwara | 1000.75 | NC | "A1" | 281.25 | 25.9276 | 56.2455 | 1.1880 | 57.4335 | 2.3220 | -32.6399 | 221.52 | YES | YES | - | - | |
| | NC | "A2" | | 78.00 | 6.3142 | 6.6450 | 0.5976 | 7.2426 | 1.8540 | -2.1848 | 114.70 | YES | YES | - | - | |
| | NC | "A01" | | 203.12 | 11.8122 | 27.0945 | 1.8360 | 28.9305 | 3.9780 | -19.2603 | 244.92 | YES | YES | - | - | |
| | NC | "A04" | | 137.50 | 6.0890 | 2.5200 | 0.0000 | 2.5200 | 0.2820 | 3.2870 | 41.39 | YES | YES | - | - | |
| | NC | "G1" | | 150.00 | 5.9960 | 10.6128 | 0.1800 | 10.7928 | 0.4500 | -5.0668 | 180.00 | YES | YES | - | - | |
| | NC | "R" | | 68.75 | 1.8651 | 0.7668 | 0.0360 | 0.8028 | 0.0900 | 1.0083 | 43.04 | YES | YES | - | - | |
| TOTAL OF BLOCK (Excluding Saline) | 918.62 | | 58.0040 | 103.8846 | | 3.8376 | 107.7222 | | 8.9760 | -54.8565 | 185.72 | YES | YES | O.E. | - | |
| Sanchore | 3054.97 | NC | "A02" | 168.75 | 11.5495 | 36.2880 | 2.4048 | 38.6928 | 4.2480 | -28.9865 | 335.02 | YES | YES | - | - | |
| | NC | "A03" | | 118.75 | 8.2203 | 22.3715 | 1.2168 | 23.5883 | 1.7460 | -15.8972 | 286.95 | YES | YES | - | - | |
| | NC | "A04" | | 2025.00 | 81.6483 | 124.5042 | 3.0840 | 127.5882 | 8.8560 | -51.7119 | 156.27 | YES | YES | - | - | |
| | NC | "S(Ao)N" | | 125.00 | 6.2011 | 8.8740 | 0.1440 | 9.0180 | 0.3600 | -3.0329 | 145.43 | - | - | - | - | |
| | NC | "S(Ao)SW" | | 617.25 | 24.9709 | 1.1808 | 0.0000 | 1.1808 | 0.0000 | 23.7901 | 4.73 | - | - | - | - | |
| TOTAL OF BLOCK (Excluding Saline) | 2312.50 | | 101.4181 | 183.1637 | | 6.7056 | 189.8693 | | 14.8500 | -96.5956 | 187.21 | Yes | Yes | O.E. | - | |
| Sawla | 1479.43 | NC | "A1" | 416.00 | 32.0325 | 69.3792 | 4.3200 | 73.6992 | 10.5300 | -47.8767 | 230.08 | YES | YES | - | - | |
| | NC | "A01" | | 681.25 | 33.9150 | 87.1250 | 2.0736 | 89.1986 | 4.2100 | -57.4200 | 263.01 | YES | YES | - | - | |
| | NC | "A02" | | 181.25 | 6.9258 | 11.5200 | 0.3240 | 11.8440 | 0.8100 | -5.4042 | 171.01 | YES | YES | - | - | |
| | NC | "A03" | | 93.75 | 4.2088 | 5.2673 | 0.1296 | 5.3969 | 0.6480 | -1.7064 | 128.23 | YES | YES | - | - | |
| | NC | "S(Ao)" | | 92.00 | 3.7742 | 1.4976 | 0.0000 | 1.4976 | 0.0000 | 2.2766 | 39.68 | - | - | - | - | |
| TOTAL OF BLOCK (Excluding Saline) | 1372.25 | | 77.0821 | 173.2914 | | 6.8472 | 180.1386 | | 16.1980 | -112.4073 | 233.70 | Yes | Yes | O.E. | - | |
| TOTAL OF DISTRICT (Excluding Saline) | 8228.1 | | 432.3349 | 749.3790 | | 32.7360 | 782.1150 | | 74.3410 | -391.3852 | 180.90 | - | - | - | - | |
| TOTAL OF SALINE ZONES | 2023.43 | | 87.4808 | 22.3236 | | 0.6624 | 22.9860 | | 1.4400 | 63.7172 | 26.28 | - | - | - | - | |

GROUND WATER POTENTIAL OF DISTRICT JHALAWAR AS ON 31.3.2004
GROUND WATER RECHARGE , EXTRACTION & STAGE OF GROUND WATER DEVELOPMENT

| Block | Area of block (sq.km.) | Type of area | Potential Zone | Potential zone area (sq.km.) | Net G.W. | Annual Availability (MCM) | Existing Gross G.W. | Existing gross ground water draft for irrigation (MCM) | Existing gross ground water draft for all uses (MCM) | Allocation for domestic & industrial use (MCM) | Net G.W. Availability for domestic & water draft for all uses (MCM) | Future development requirement as on year 2025 (MCM) | Stage of ground water development (%) | Decline in pre-monsoon water level (yes/no) | Category | Annual potential recharge (MCM) |
|-------------------|------------------------|--------------|----------------|------------------------------|----------|---------------------------|---------------------|--|--|--|---|--|---------------------------------------|---|----------|---------------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | |
| Bakani | 881.52 | NC | Basalt | 865.98 | 63.0508 | 55.6056 | 2.9527 | 58.55583 | 7.0993 | 0.3460 | 92.87 | Yes | | | | |
| Total of block | | | | | 865.98 | 63.0508 | 55.6056 | 2.9527 | 58.55583 | 7.0993 | 0.3460 | 92.87 | Yes | | | |
| Dag | 1132.87 | NC | Basalt | 1087.09 | 66.0468 | 56.8152 | 2.6487 | 59.4639 | 6.1868 | 3.0449 | 90.03 | Yes | | | | Critical |
| Total of block | | | | | 1087.09 | 66.0468 | 56.8152 | 2.6487 | 59.4639 | 6.1868 | 3.0449 | 90.03 | Yes | | | |
| J.Patan | 1341.31 | NC | Sh/Ss | 441.18 | 34.4722 | 27.6108 | 1.6859 | 29.2967 | 4.1550 | 2.7064 | 84.99 | Yes | | | | Critical |
| | 1341.31 | NC | Basalt | 858.44 | 58.6219 | 59.8788 | 2.8489 | 62.7277 | 6.8120 | -8.0689 | 107 | Yes | | | | |
| Total of block | | | | | 1299.62 | 93.0941 | 87.4896 | 4.5348 | 92.0244 | 10.9670 | -5.3625 | 98.85 | Yes | | | |
| Khanpu | 949.7 | NC | S.Stone | 787.97 | 56.4144 | 48.9516 | 2.8655 | 51.8171 | 5.6713 | 1.7916 | 91.85 | Yes | | | | Critical |
| | 949.7 | NC | S.Stone | 144.93 | 15.7520 | 14.4480 | 0.4855 | 14.9335 | 1.0768 | 0.2273 | 94.8 | Yes | | | | |
| Total of block | | | | | 932.90 | 72.1664 | 63.3996 | 3.3510 | 66.7506 | 6.7480 | 2.0188 | 92.50 | Yes | | | |
| M.Than | 937.46 | NC | Basalt | 919.97 | 56.8105 | 76.6200 | 2.9001 | 79.5201 | 6.6110 | -26.4205 | 139.97 | Yes | | | | |
| a | | | | | | | | | | | | | | | | |
| Total of block | | | | | 919.97 | 56.8105 | 76.6200 | 2.9001 | 79.5201 | 6.6110 | -26.4205 | 139.97 | Yes | | | |
| Pirawa | 1009.94 | NC | Basalt | 1000.60 | 79.6563 | 93.1056 | 3.5926 | 96.6982 | 8.6003 | -22.0496 | 121.39 | Yes | | | | O.E. |
| Total of block | | | | | 1000.60 | 79.6563 | 93.1056 | 3.5926 | 96.6982 | 8.6003 | -22.0496 | 121.39 | Yes | | | |
| TOTAL OF DISTRICT | 6106.16 | 430.8249 | 433.0356 | 19.9799 | 453.0155 | 46.2123 | -48.4230 | 105.15 | | | | | | | | |

GROUNDWATER POTENTIAL OF JHINJHANI DISTRICT AS ON 31.3.2004

GROUND WATER POTENTIAL OF JODHPUR DISTRICT AS ON 31.3.2004

GROUND WATER RECHARGE,EXTRACTION & STAGE OF GROUND WATER DEVELOPMENT

| Block | No. of Blocks | Type of Areal | Poten-tial Zone | Poten-tial Zone | Net Annual G.W. | Existing gross G.W. | Existing gross G.W. | Allocation for Dom. & Inds. Requ. for Dom. & Inds. Use All Uses | Net G.W. | Stage of G.W. | Decline in Pre-mon. Water Level | Decline in Post-mon. Water Level | Category | Annual Potential recharge (mm) |
|-------------------------------|---------------|---------------|-----------------|-----------------|-----------------|---------------------|---------------------|---|----------|---------------|---------------------------------|----------------------------------|----------|--------------------------------|
| (Sq.Km.) | (Sq.Km.) | | (Sq.Km.) | (mem) | (mem) | (mem) | (mem) | (mem) | (mem) | (%) | (%) | (%) | (Yes/No) | (mem) |
| 1 | 3 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| BALESAR | 1378.25 | NC | "Ss1" | 1035.56 | 13.623883 | 18.177 | 4.3200 | 22.4970 | 4.3232 | -8.8412 | 164.7 | YES | - | 16 |
| | NC | | | 463.67 | 6.3773 | 10.3608 | 2.3520 | 12.7128 | 3.0000 | -6.9835 | 199.34 | YES | - | - |
| TOTAL OF BLOCK (Excl. Saline) | 1503.03 | 20.0363 | 28.5378 | 6.6720 | 35.2098 | 7.3232 | -15.8247 | 175.73 | YES | YES | O.E. | - | - | - |
| BAP | 4389.03 | NC | "Ss1" | 323.17 | 5.6605 | 1.1744 | 1.5040 | 2.6784 | 1.4976 | 2.9885 | 47.32 | NO | NO | - |
| | NC | "Ss2" | 1156.91 | 17.2253 | 1.2838 | 0.9120 | 2.1958 | 1.7126 | 14.2788 | 12.71 | NO | NO | - | - |
| | NC | "Ls2" | 2106.84 | 36.2855 | 7.3638 | 4.0320 | 1.3958 | 7.2960 | 21.6256 | 31.41 | NO | NO | - | - |
| | NC | "Ss4(S)" | 792.11 | 13.9295 | 0.3360 | 0.6720 | 1.0080 | 0.7500 | 12.8435 | 7.24 | | | | - |
| TOTAL OF BLOCK (Excl. Saline) | 3586.92 | 59.2212 | 9.8221 | 6.4480 | 16.2701 | 10.5062 | 38.8929 | 27.47 | NO | NO | SAFE | - | - | - |
| BUDHAWAR | 755.69 | NC | "Ss1" | 845.99 | 29.18.5 | 94.9680 | 0.3120 | 101.2800 | 10.6000 | -76.3802 | 347.07 | YES | YES | - |
| | NC | "Ls1" | 363.69 | 12.5295 | 51.5445 | 3.5136 | 55.0581 | 5.5000 | -44.5150 | 419.43 | YES | YES | - | - |
| | NC | "G2" | 510.69 | 11.2224 | 10.7625 | 0.5400 | 11.3025 | 0.8326 | -0.3727 | 100.71 | YES | NO | - | - |
| | NC | "G4(S)" | 37.66 | 0.7705 | 1.1160 | 0.0780 | 1.1940 | 0.0800 | -0.4235 | 154.97 | | | | - |
| TOTAL OF BLOCK (Excl. Saline) | 1718.69 | 52.9338 | 157.2750 | 10.3656 | 167.6406 | 16.9326 | -121.2739 | 316.70 | YES | YES | O.E. | - | - | - |
| BILARIA | 1494.33 | NC | "A2" | 50.80 | 3.7156 | 3.7536 | 0.2880 | 4.0416 | 0.8556 | -0.8936 | 108.77 | YES | NO | - |
| | NC | "Se/Ph" | 171.52 | 4.0185 | 4.7988 | 0.6144 | 5.4132 | 0.6500 | -1.4303 | 134.71 | YES | YES | - | - |
| | NC | "Ss1" | 51.80 | 1.7895 | 5.8350 | 0.5280 | 6.3630 | 2.0000 | -6.0455 | 355.58 | YES | YES | - | - |
| | NC | "Ls1" | 289.17 | 15.2753 | 68.8500 | 10.2480 | 79.0980 | 16.8370 | -70.4117 | 517.82 | YES | YES | - | - |
| | NC | "Ls2" | 172.91 | 8.6030 | 30.2138 | 3.8720 | 34.0858 | 4.5678 | -26.1786 | 396.21 | YES | YES | - | - |
| | NC | "G1" | 164.92 | 4.2173 | 5.6576 | 0.8580 | 6.5156 | 1.1813 | -2.6216 | 154.50 | YES | YES | - | - |
| | NC | "G2" | 334.88 | 7.8372 | 5.8216 | 0.6390 | 6.4626 | 1.4352 | 0.5784 | 82.46 | YES | YES | - | - |
| | NC | "Ae4(S)" | 260.13 | 12.0463 | 4.8344 | 0.1920 | 5.0464 | 0.1000 | 7.0919 | 41.89 | | | | - |
| TOTAL OF BLOCK (Excl. Saline) | 1234.20 | 45.4563 | 124.9324 | 17.0474 | 141.9798 | 27.5269 | -107.0029 | 312.34 | YES | YES | O.E. | - | - | - |
| I.I.NI | 1978.95 | NC | "A2" | 90.00 | 5.0675 | 2.6656 | 0.5040 | 3.1696 | 0.5000 | 1.9019 | 62.55 | YES | YES | - |
| | NC | "Ae1" | 242.28 | 8.8480 | 6.9216 | 2.5200 | 9.4416 | 5.2500 | -3.3236 | 106.71 | YES | YES | - | - |
| | NC | "Ae2" | 84.37 | 3.4682 | 5.0080 | 0.1800 | 5.1880 | 0.2898 | -1.8296 | 149.59 | YES | YES | - | - |
| | NC | "R" | 342.13 | 6.0155 | 2.6240 | 1.2300 | 3.8540 | 2.5000 | 0.8913 | 64.07 | NO | NO | - | - |
| | NC | "Ae4(S)" | 1220.17 | 40.5217 | 1.0432 | 0.11920 | 1.2352 | 0.1800 | 39.2985 | 3.05 | | | | - |
| TOTAL OF BLOCK (Excl. Saline) | 758.78 | 23.3991 | 17.2192 | 4.4340 | 21.6532 | 8.5398 | -2.3598 | 92.54 | YES | YES | CRITICAL | - | - | - |

CENTRAL WATER PURIFICATION & STAGE OF GROUP-II MAJOR PROJECT

GROUND WATER POTENTIAL OF KARAUJI DISTRICT AS ON 31.3.2004
GROUND WATER RECHARGE, EXTRACTION & STAGE OF GROUND WATER DEVELOPMENT

| Blocks | Area of Block (Sq.Km.) | Type of Bearing Formation | Water Zone Area (Sq.Km.) | Potential Availability (mcm) | Net Annual Ground Water Availability (mcm) | Existing Gross Ground Water Draft for Irrigation (mcm) | Existing Gross Ground Water Draft for Dom.& Industrial Use (mcm) | Allocation for Dom.& Industrial Requirements for future As Projected for the Year 2025 (mcm) | Net Ground Water Availability for future Development (%) | Stage of Ground Water Development Pre-Monsoon Water Level (Yes/No) | Whether Significant Decline in Post-Monsoon Water Level (Yes/No) | Category | Annual Potential Recharge (mcm) | | |
|-------------------|------------------------|---------------------------|--------------------------|------------------------------|--|--|--|--|--|--|--|----------|---------------------------------|--------|--------|
| | | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| Hindaun | 637.70 | NC | Ao | 407.14 | 49,7948 | 84,9653 | 6,3528 | 91,3181 | 8,3400 | -43,5105 | 183,39 | YES | YES | * | * |
| | | C | Ao | 86.76 | 10,0208 | 13,7328 | 1,6497 | 15,3825 | 3,4582 | -7,1702 | 153,51 | NO | NO | - | - |
| Total of Block | NC | Ss | 81.30 | 5,0685 | 7,5890 | 0,6548 | 8,2438 | 0,9100 | -3,4305 | 162,65 | NO | YES | - | - | - |
| | Total | | 575.20 | 64,8840 | 106,2871 | 8,6573 | 114,9444 | 12,7082 | -54,1113 | - | 177,15 | NO | YES | O.E. | 0,0000 |
| Karauli | 1262.09 | NC | Ao | 448.37 | 50,4340 | 42,3536 | 4,7654 | 47,1190 | 7,6300 | 0,4504 | 93,43 | YES | YES | * | * |
| | | C | Ss | 636.09 | 28,5712 | 30,3171 | 3,8505 | 34,1676 | 8,9150 | -10,6609 | 119,59 | NO | YES | - | - |
| Total of Block | Total | | 1084.46 | 79,0051 | 72,6707 | 8,6159 | 81,2866 | 16,5450 | -10,2106 | 102,89 | NO | YES | O.E. | 0,0000 | - |
| | | C | Ao | 411.79 | 29,5480 | 17,8480 | 3,5197 | 21,3677 | 0,2900 | 11,4100 | 72,32 | NO | YES | * | * |
| Naddauti | 650.50 | NC | Ao | 50.57 | 2,9900 | 2,0331 | 0,2563 | 2,2894 | 2,7872 | -1,8303 | 76,57 | NO | YES | * | * |
| | | C | Q | 108.70 | 2,8324 | 1,0119 | 1,2041 | 2,2160 | 8,3300 | -6,5095 | 78,24 | YES | YES | - | - |
| Total of Block | Total | | 571.06 | 35,3704 | 20,8930 | 4,9801 | 25,8731 | 11,4072 | 3,0702 | 73,15 | NO | YES | S.Cr. | 0,0000 | - |
| | | C | Ao | 372.76 | 46,8260 | 39,6833 | 4,3374 | 44,0207 | 4,2688 | 2,8739 | 94,01 | YES | YES | - | - |
| Sapotra | 1958.81 | NC | Ao | 109.16 | 14,8165 | 10,1064 | 1,4121 | 11,5185 | 6,2245 | -1,5144 | 77,74 | NO | NO | * | * |
| | | C | Ss | 689.51 | 34,2745 | 30,5676 | 2,6889 | 33,2565 | 6,2245 | -2,5176 | 97,03 | YES | YES | * | * |
| Total of Block | Total | | 1219.49 | 99,0865 | 82,3505 | 9,0630 | 91,4135 | 18,8478 | -2,1118 | 92,26 | YES | YES | Critical | 0,0000 | - |
| | | C | Ao | 452.21 | 52,6775 | 81,7065 | 15,4063 | 97,1128 | 19,7900 | -48,8190 | 184,35 | YES | YES | * | * |
| Todabhim | 529.50 | NC | Total | 452.21 | 52,6775 | 81,7065 | 15,4063 | 97,1128 | 19,7900 | -48,8190 | 184,35 | YES | YES | O.E. | 0,0000 |
| | | C | Total | 294.55 | 30,9968 | 27,8655 | 3,9427 | 31,8082 | 14,5999 | -100,7137 | 126,26 | YES | YES | * | 0,0000 |
| Total of District | Total | | 3902.42 | 331,0237 | 363,9078 | 46,7226 | 410,6304 | 79,2982 | -112,1823 | 124,05 | YES | YES | * | 0,0000 | - |

GROUND WATER RECHARGE , EXTRACTION & STAGE OF GROUND WATER DEVELOPMENT OF DISTRICT KOTA

GROUND WATER POTENTIAL OF DISTRICT KOTA AS ON 31.3.2004

| Block | Area of block (Sq.Km.) | Type of area | Potential zone | Net annual water availability (mcm) | Existing gross ground water draft for irrigation (mcm) | Existing gross ground water draft for domestic & industrial use (mcm) | Allocation for domestic & industrial requirement as on year 2025 (mcm) | Net ground water availability for future development as on year 2025 (mcm) | Stage of ground water development (%) | Whether significant decline in pre-monsoon water level (Yes/No) | Category | Annual Potential Recharge (mcm) | | | |
|-------------------|------------------------|--------------|----------------|-------------------------------------|--|---|--|--|---------------------------------------|---|----------|---------------------------------|-----|----------|----|
| | | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| Itawa | 898.09 | C A | 787.3 | 89.1861 | 94.4665 | 3.9202 | 98.3867 | 10.0702 | -15.3506 | 110.32 | | | | | |
| | | C Ls | 110.21 | 7.2132 | 8.2145 | 0.7374 | 8.9519 | 1.4097 | -2.4110 | 124.10 | | | | | |
| Total of block | | | | 897.51 | 96.3993 | 102.6810 | 4.6576 | 107.3386 | 11.4799 | -17.7616 | 111.35 | Yes | Yes | O.E. | |
| Khairabad* | 797.63 | NC Ls | 556.85 | 35.7418 | 37.4684 | 5.9235 | 43.3919 | 8.6422 | -10.3688 | 121.4 | | | | | |
| | | NC Ss | 193.75 | 11.5828 | 12.0498 | 2.5714 | 14.6212 | 3.0070 | -3.4740 | 126.23 | | | | | |
| Total of block | | | | 750.6 | 47.3246 | 49.5182 | 8.4949 | 58.0131 | 11.6492 | -13.8428 | 122.59 | Yes | Yes | O.E. | |
| Ladpura | 1540.82 | C Ls | 64.95 | 2.7350 | 1.8520 | 1.1086 | 2.9606 | 1.9712 | -1.0882 | 108.25 | | | | | |
| | | C Ss | 285.94 | 16.7838 | 14.3931 | 3.5576 | 17.9507 | 6.7964 | -4.4057 | 106.95 | | | | | |
| | | NC Ss | 1170.46 | 70.0541 | 75.0044 | 6.7949 | 81.7993 | 13.5624 | -18.5127 | 116.77 | | | | | |
| Total of block | | | | 1521.35 | 89.5729 | 91.2494 | 11.4611 | 102.7105 | 22.3300 | -24.0065 | 114.67 | Yes | Yes | O.E. | |
| Sangod | 1057.80 | NC Ls | 161.9 | 13.2365 | 24.5737 | 0.8177 | 25.3914 | 2.5126 | -13.8498 | 191.83 | | | | | |
| | | C Ss | 65.17 | 4.9817 | 7.3721 | 0.8356 | 8.2077 | 1.0114 | -3.4019 | 164.76 | | | | | |
| | | NC Ss | 665.57 | 41.0944 | 47.0792 | 3.0697 | 50.1489 | 10.3295 | -16.3143 | 122.03 | | | | | |
| | | C Sh | 25.25 | - 1.5334 | 3.1662 | 0.1621 | 3.3283 | 0.3919 | -2.0247 | 217.05 | | | | | |
| | | NC Sh | 126.25 | 5.6592 | 9.3795 | 1.1232 | 10.5027 | 1.9594 | -5.6797 | 185.59 | | | | | |
| Total of block | | | | 1044.14 | 66.5052 | 91.5707 | 6.0083 | 97.5790 | 16.2048 | -41.2704 | 146.72 | Yes | Yes | O.E. | |
| Sultapur | 909.57 | C A | 622.95 | 86.6814 | 79.8728 | 4.5333 | 84.4061 | 7.2184 | -0.4098 | 97.38 | | | | | |
| | | C Ls | 150 | 11.6329 | 10.8554 | 1.2246 | 12.0800 | 1.7381 | -0.9606 | 103.84 | | | | | |
| | | NC Ls | 136.62 | 8.3489 | 7.6405 | 0.9819 | 8.6224 | 1.5831 | -0.8747 | 103.28 | | | | | |
| Total of block | | | | 909.57 | 106.6631 | 98.3687 | 6.7398 | 105.1085 | 10.5396 | -2.2451 | 98.54 | Yes | Yes | Critical | |
| Total of District | | Command | 2111.77 | 220.7474 | 220.1926 | 16.0794 | 236.2720 | 30.6073 | -30.0524 | 107.03 | | | | | |
| | | Non-Command | 3011.4 | 185.7177 | 213.1955 | 21.2823 | 234.4778 | 41.5962 | -69.0740 | 126.25 | | | | | |
| | | Total | 5123.17 | 406.4651 | 433.3880 | 37.3617 | 470.7497 | 72.2035 | -99.1264 | 115.82 | | | | | |

GROUND WATER POTENTIAL OF NAGAUR DISTRICT AS ON 31.3.2004

GROUND WATER RECHARGE, EXTRACTION & STAGE OF GROUND WATER DEVELOPMENT

| Block | Area of Block (Sq.Km.) | Type of Area | Water Bearing Formation | Potential Zone area (Sq.Km.) | Net Ground Water Availability For Irrigation (mcm) | Existing Gross Ground Water draft For Dom.& Industrial Use (mcm) | Existing Gross G.W, Water draft For All Uses (mcm) | Allocation For Dom. & G.Water Requirements For Future Irrigation (mcm) | Net Availability For Future Irrigation | Stage of G.W. Development | Whether Significant Decline in Pre-Monsoon Water Level (Yes/No) | Category | Annual Potential Recharge (mm) | | |
|------------------------------|---------------------------|--------------|-------------------------|------------------------------|--|--|--|--|--|---------------------------|---|----------|----------------------------------|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| Degana | 1463.34 | NC | Ao2a | 68.50 | 2.1770 | 0.0578 | 0.5600 | 0.6178 | 1.5000 | 0.6192 | 28.38 | - | - | - | |
| | | NC | Ao2b | 736.00 | 24.3855 | 22.7260 | 6.5920 | 29.3180 | 8.6846 | -7.0251 | 120.23 | YES | YES | - | |
| | | NC | T1 | 188.09 | 7.8763 | 15.8175 | 3.3600 | 19.1775 | 4.5000 | -12.4412 | 243.48 | NO | NO | - | |
| | | NC | T2 | 98.70 | 2.5955 | 1.9800 | 2.7840 | 4.7640 | 3.2500 | -2.6345 | 183.55 | NO | NO | - | |
| | | NC | Sc1 | 112.05 | 2.0585 | 1.4825 | 0.5357 | 2.0182 | 0.7500 | -0.1740 | 98.04 | YES | YES | - | |
| | | Saline | Ao(S) | 260.00 | 10.4010 | 0.7040 | 1.4080 | 1.1498 | 8.5472 | 13.54 | - | - | - | - | |
| Total of Block (Excl.Saline) | 1203.34 | 39.0929 | 42.0638 | 13.8317 | 55.8955 | 18.6846 | -21.6556 | 142.98 | YES | YES | O.E. | | | | |
| Didwana | 1637.59 | NC | Ao1 | 1089.75 | 45.9737 | 71.4615 | 10.6560 | 82.1175 | 10.8631 | -36.3509 | 178.62 | YES | YES | - | |
| | | NC | Sc1 | 485.34 | 11.0437 | 0.3275 | 0.9840 | 1.3115 | 2.0311 | 8.6851 | 11.88 | NO | NO | - | |
| | | NC | Ss1 | 62.50 | 1.6487 | 0.3080 | 1.1520 | 1.4600 | 1.5000 | -0.1593 | 88.55 | - | - | - | |
| Total of Block (Excl.Saline) | 1637.59 | 58.6661 | 72.0970 | 12.7920 | 84.8890 | 14.3942 | -27.8251 | 144.70 | NO | YES | O.E. | | | | |
| Jayal | 1948.08 | NC | Ao2a | 248.25 | 8.6989 | 0.5700 | 1.6640 | 2.2340 | 2.4000 | 5.7289 | 25.68 | YES | YES | - | |
| | | NC | Ao2b | 158.83 | 5.9677 | 9.3000 | 1.3440 | 10.6440 | 2.5000 | -5.8323 | 178.36 | YES | YES | - | |
| | | NC | Ss2a | 313.75 | 13.7914 | 1.9800 | 2.7520 | 4.7320 | 3.7000 | 8.1114 | 34.31 | YES | YES | - | |
| | | NC | Ss2b | 207.25 | 4.8624 | 0.7800 | 1.5360 | 2.3160 | 3.5000 | 0.5824 | 47.63 | NO | NO | - | |
| | | NC | Ls1 | 140.75 | 3.3212 | 0.9225 | 2.7200 | 3.6725 | 4.0000 | -1.6313 | 110.58 | NO | YES | - | |
| | | NC | Ls2 | 485.50 | 13.1188 | 14.1120 | 4.1600 | 18.2720 | 3.5000 | -4.4932 | 139.28 | YES | YES | - | |
| | | NC | T1 | 170.25 | 4.2150 | 5.5440 | 1.3440 | 6.8880 | 2.3000 | -3.6290 | 163.42 | YES | YES | - | |
| | | Saline | Ls(S) | 223.50 | 4.1668 | 0.0480 | 0.2560 | 0.3040 | 0.8986 | 3.2202 | 7.30 | - | - | - | |
| Total of Block (Excl.Saline) | 1724.58 | 53.9753 | 33.2385 | 15.5200 | 48.7585 | 21.9000 | -1.1631 | 90.33 | YES | YES | CRITICAL | | | | |
| Kutchaman | 1507.13 | NC | Ao1 | 819.63 | 49.0415 | 140.9760 | 11.1200 | 152.0960 | 12.5323 | -104.4668 | 310.14 | YES | YES | - | |
| | | NC | Ao2 | 237.50 | 16.3107 | 9.6700 | 2.5200 | 12.1900 | 4.1000 | 2.5407 | 74.74 | YES | YES | - | |
| | | NC | Sc2 | 68.75 | 2.1452 | 0.8750 | 0.2880 | 1.1630 | 0.5629 | 0.7073 | 54.21 | YES | YES | - | |
| | | Saline | Ao(S) | 381.25 | 20.5725 | 5.2718 | 0.6000 | 5.8718 | 1.7647 | 13.5360 | 28.54 | - | - | - | |
| Total of Block (Excl.Saline) | 1125.88 | 67.4973 | 151.5210 | 13.9280 | 165.4490 | 17.1952 | -101.2188 | 245.12 | YES | YES | OVER EXPLO. | | | | |
| Ladnu | 1530.08 | NC | Ao1 | 125.25 | 6.3486 | 0.0330 | 0.3840 | 0.4170 | 1.5000 | 4.8156 | 6.57 | NO | NO | - | |
| | | NC | Ss1 | 773.58 | 27.0158 | 19.8550 | 7.2800 | 27.1350 | 14.0000 | -6.8392 | 100.44 | YES | YES | - | |
| | | NC | Ls1 | 168.75 | 4.6899 | 2.9150 | 1.2000 | 4.1150 | 3.8132 | -2.0383 | 87.74 | YES | YES | - | |
| | | NC | Sc1 | 231.25 | 5.4763 | 0.0449 | 0.2851 | 0.3300 | 1.9819 | 3.4495 | 6.03 | NO | NO | - | |
| | | NC | Sc2 | 150.00 | 2.9241 | 0.1125 | 0.7776 | 0.8901 | 1.5673 | 1.2443 | 30.44 | NO | NO | - | |
| | | Saline | Ls(S) | 81.25 | 2.2148 | 0.4400 | 0.4000 | 0.8400 | 0.4423 | 1.3325 | 37.93 | - | - | - | |
| Total of Block (Excl.Saline) | 1448.83 | 46.4546 | 22.9604 | 9.9267 | 32.8871 | 22.8624 | 0.6319 | 70.79 | NO | YES | SEMICRITICAL | | | | |

| Block | Area of Block (Sq.Km.) | Type of Area | Water Bearing Formation | Potential Zone area (Sq.Km.) | Net Annual Ground Water Availability (mcm) | Existing Gross Ground Water draf t For Irrigation (mcm) | Existing Gross G.W, Water Draft For Dom.& Industrial All Us es (mcm) | Allocation For Dom. & G.W. Industrial Requirement for the Year 2025 (mcm) | Net Water Availability For Future Irrigation Develop. (mcm) | Stage of G.W. Development | Whether Significant Decline in Pre-Monsoon Water Level (Yes/No) | Category | Annual Potential Recharge (mm) | |
|--------------------------------------|------------------------|--------------|-------------------------|------------------------------|--|---|--|---|---|---------------------------|---|----------|----------------------------------|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| Makrana | 1140.08 | NC | Ao1 | 433.83 | 22.0798 | 20.1740 | 4.3520 | 24.5260 | 6.7320 | -4.8262 | 111.08 | YES | - | |
| | | NC | Ao2 | 300.00 | 15.0738 | 9.6250 | 2.9680 | 12.5930 | 4.5000 | 0.9488 | 83.54 | YES | - | |
| | | NC | Sc2 | 331.25 | 6.1455 | 2.4500 | 2.3594 | 4.8094 | 3.6675 | 0.0280 | 78.26 | YES | - | |
| | | Saline | Ao(S) | 75.00 | 2.9620 | 0.7508 | 0.2800 | 1.0308 | 1.1000 | 1.1112 | 34.80 | | - | |
| Total of Block (Excl.Saline) | | | | 1065.08 | 43.2992 | 32.2490 | 9.6794 | 41.9284 | 14.8995 | -3.8494 | 96.83 | YES | CRITICAL | |
| Merta | 1434.80 | NC | Ao2 | 250.00 | 12.8344 | 11.7575 | 1.2000 | 12.9575 | 3.3010 | -2.2241 | 100.96 | NO | - | |
| | | NC | T1 | 435.80 | 13.2313 | 39.7980 | 3.8400 | 43.6380 | 6.2000 | -32.7667 | 329.81 | YES | - | |
| | | NC | Ls1 | 325.00 | 9.7597 | 27.2910 | 3.6480 | 30.9390 | 6.5000 | -24.0313 | 317.01 | YES | - | |
| | | NC | Ss1a | 287.50 | 9.2371 | 37.5540 | 3.3600 | 40.9140 | 3.3691 | -31.6860 | 442.93 | YES | - | |
| | | NC | Ss1b | 80.25 | 2.8917 | 5.7425 | 1.0560 | 6.7985 | 2.4050 | -5.2558 | 235.10 | YES | - | |
| | | Saline | Ao(S) | 56.25 | 2.7698 | 0.0275 | 0.4000 | 0.4275 | 1.0000 | 1.7423 | 15.43 | - | - | |
| Total of Block (Excl.Saline) | | | | 1378.55 | 47.9542 | 122.1430 | 13.1040 | 135.2470 | 21.7751 | -95.9639 | 282.03 | YES | O.E. | |
| Mundwa | 2207.29 | NC | Ls1 | 857.29 | 19.4347 | 33.8250 | 8.6400 | 42.4650 | 11.0000 | -25.3903 | 218.50 | YES | - | |
| | | NC | Ss1a | 812.50 | 24.7968 | 79.4640 | 8.1600 | 87.6240 | 10.5000 | -65.1672 | 353.37 | YES | - | |
| | | NC | Ss1b | 425.00 | 14.8962 | 32.5075 | 6.0480 | 38.5555 | 8.0000 | -25.6113 | 258.83 | YES | - | |
| | | NC | T1 | 112.50 | 5.1908 | 22.6050 | 1.7280 | 24.3330 | 4.0000 | -21.4142 | 468.77 | YES | - | |
| Total of Block (Excl.Saline) | | | | 2207.29 | 64.3185 | 168.4015 | 24.5760 | 192.9775 | 33.5000 | -137.5830 | 300.03 | YES | O.E. | |
| Nagaur | 2532.90 | NC | Ss1 | 137.50 | 3.6862 | 2.1100 | 0.6400 | 2.7500 | 2.5000 | -0.9238 | 74.60 | - | - | |
| | | NC | Ss2a | 446.50 | 9.9514 | 1.6060 | 2.6880 | 4.2940 | 5.1000 | 3.2454 | 43.15 | - | - | |
| | | NC | Ss2b | 175.00 | 5.7786 | 6.5300 | 1.6000 | 8.1300 | 6.6316 | -7.3830 | 140.69 | - | - | |
| | | NC | Ss2c | 125.10 | 3.3001 | 0.2420 | 0.6400 | 0.8820 | 1.1000 | 1.9581 | 26.73 | - | - | |
| | | NC | Ls1 | 1036.30 | 16.5899 | 4.7150 | 9.0240 | 13.7390 | 10.6000 | 1.2749 | 82.82 | - | - | |
| | | NC | Ls2 | 350.00 | 6.6764 | 4.0920 | 1.1520 | 5.2440 | 2.1000 | 0.4844 | 78.55 | - | - | |
| | | Saline | Ss(S) | 262.50 | 6.8695 | 0.3000 | 0.4480 | 0.7480 | 0.8000 | 5.7695 | 10.89 | - | - | |
| Total of Block (Excl.Saline) | | | | 2270.40 | 45.9825 | 19.2950 | 15.7440 | 35.0390 | 28.0316 | -1.3440 | 76.20 | NO | SAFE | |
| Parbatsar | 1071.70 | NC | Ao1 | 375.43 | 19.2050 | 19.6250 | 2.5440 | 22.1690 | 3.5544 | -3.9744 | 115.43 | YES | - | |
| | | NC | Sc1 | 696.27 | 16.0287 | 24.7625 | 4.0243 | 28.7668 | 9.0000 | -17.7338 | 179.60 | YES | - | |
| Total of Block (Excl.Saline) | | | | 1071.70 | 35.2337 | 44.3875 | 6.5683 | 50.9558 | 12.5544 | -21.7082 | 144.62 | YES | O.E. | |
| Riyan | 1245.26 | NC | Ao1 | 839.01 | 34.7929 | 39.0075 | 8.2720 | 47.2795 | 15.6000 | -19.8146 | 135.89 | YES | OVER EXPLO. | |
| | | NC | Sc1 | 406.25 | 11.1021 | 26.9400 | 3.0239 | 29.9659 | 7.5000 | -23.3379 | 269.91 | YES | OVER EXPLO. | |
| Total of District (Excluding Saline) | | | | 1245.26 | 45.8950 | 65.9475 | 11.2979 | 77.2454 | 23.1000 | -43.1525 | 168.31 | YES | O.E. | |
| TOTAL OF SALINE | 1339.75 | 49.9563 | 7.5420 | 3.0880 | 10.6300 | 7.1554 | 35.2589 | 21.28 | | | | | | |

GROUND WATER POTENTIAL OF PALLI DISTRICT AS ON 31.3.2004

| Block | Area of Block | Type of Area | Potential Zone | Annual Potential Zone area (Sq.m.) | Net Annual Ground Water Availability (Sq.m.) | Existing Gross Ground Water Availability (mcm) | Existing Gross G.W. Draft for Dom. & Irrigation (mcm) | Existing Gross G.W. Draft for Ind. Use (mcm) | Allocation for Dom. & Indu. Requirement for the year 2025 (mcm) | Net G.W. Dev. (mcm) | State of G.W. Development (%) | Whether significant decline in Post-mon. W.L. (Yes/No) | Category (mem) | Annual potential recharge (mm) | | |
|--------------------------------------|---------------|--------------|----------------|------------------------------------|--|--|---|--|---|---------------------|-------------------------------|--|-----------------|--------------------------------|----|---|
| | | | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | - |
| Bali | 1439.80 | NC | "Ao1" | 87.50 | 6.32293 | 8.3112 | 0.7074 | 9.0186 | 0.9117 | -2.9 | 142.63 | - | - | - | - | - |
| | | NC | "Gr1" | 856.25 | 32.79318 | 27.3024 | 2.2320 | 29.5344 | 5.5757 | -0.0849 | 90.06 | - | - | - | - | - |
| Total of block (Excl. Saline) | | | | 943.75 | 39.1161 | 35.6136 | 2.9394 | 38.5530 | 6.4874 | -2.9849 | 98.56 | Yes | Critical | | | |
| Desuri | \$15.4 | NC | "Gr1" | 565.31 | 24.5345 | 21.5320 | 2.0766 | 23.6086 | 3.9737 | -0.9712 | 96.23 | - | - | - | - | - |
| Total of block (Excl. Saline) | | | | 565.31 | 24.5345 | 21.5320 | 2.0766 | 23.6086 | 3.9737 | -0.9712 | 96.23 | Yes | Critical | | | |
| Jaitaran | 1376.3 | NC | "A" | 81.24 | 5.3311 | 7.8900 | 0.5427 | 8.4327 | 0.4584 | -3.0173 | 158.18 | - | - | - | - | - |
| | NC | "Ao1" | 793.74 | 39.0088 | 33.3972 | 3.8685 | 37.2657 | 5.7213 | -0.1097 | 95.53 | - | - | - | - | - | - |
| | NC | "Ls1" | 137.50 | 4.4789 | 15.3090 | 0.8022 | 16.1112 | 2.9097 | -13.7398 | 359.71 | - | - | - | - | - | - |
| | NC | "Gn" | 200.00 | 5.4652 | 5.4810 | 0.1245 | 5.6055 | 0.5934 | -0.6092 | 102.57 | - | - | - | - | - | - |
| | saline | Ao(S) | 33.62 | 1.8597 | 1.7208 | 0.1260 | 1.8468 | 0.3000 | -0.1611 | 99.31 | - | - | - | - | - | - |
| Total of block (Excl. Saline) | | | 1212.48 | 54.2840 | 62.0772 | 5.3379 | 67.4151 | 9.6828 | -17.4760 | 124.19 | Yes | Yes | O.E. | | | |
| Kharchi | 1403.1 | NC | "Ao1" | 145.50 | 6.7252 | 9.6996 | 0.6495 | 10.3491 | 1.2373 | -4.2117 | 153.89 | - | - | - | - | - |
| | NC | "Ph1" | 331.25 | 6.4451 | 15.9600 | 1.4826 | 17.4426 | 4.2691 | -13.7840 | 270.63 | - | - | - | - | - | - |
| | NC | "Gr1" | 673.25 | 19.8374 | 17.6148 | 1.9092 | 19.5240 | 4.5434 | -2.3208 | 98.42 | - | - | - | - | - | - |
| | saline | Gr(S) | 102.88 | 3.3231 | 2.9112 | 0.1623 | 3.0735 | 0.4000 | 0.0119 | 92.49 | - | - | - | - | - | - |
| Total of block (Excl. Saline) | | | 1150.00 | 33.0077 | 43.2744 | 4.0413 | 47.3157 | 10.0498 | -20.3165 | 143.35 | * Yes | Yes | O.E. | | | |
| Pali | 1387.0 | NC | "Ao2" | 75.00 | 3.6482 | 3.1850 | 0.1377 | 3.3227 | 0.3522 | 0.1110 | 91.08 | - | - | - | - | - |
| | NC | "Ph2" | 56.25 | 1.6897 | 1.7885 | 0.0000 | 1.7885 | 0.0000 | -0.0988 | 105.85 | - | - | - | - | - | - |
| | NC | "Gr2" | 178.18 | 5.2158 | 4.6550 | 0.0981 | 4.7531 | 0.6285 | -0.0677 | 91.13 | - | - | - | - | - | - |
| | saline | Ao(S) | 241.43 | 11.1059 | 5.5300 | 0.1611 | 5.6911 | 0.3500 | 5.2259 | 51.24 | - | - | - | - | - | - |
| | saline | Ph(S) | 46.25 | 1.3239 | 0.9870 | 0.0609 | 1.0479 | 0.2000 | 0.1369 | 79.15 | - | - | - | - | - | - |
| | saline | Gr(S) | 682.80 | 18.9304 | 8.5820 | 0.0743 | 8.6563 | 0.1500 | 10.1984 | 45.73 | - | - | - | - | - | - |
| Total of block (Excl. Saline) | | | 309.43 | 10.5536 | 9.6285 | 0.2358 | 9.8643 | 0.9807 | -0.0555 | 93.47 | Yes | Critical | | | | |
| Raipur | 1082.2 | NC | "Ph1" | 100.00 | 2.9168 | 4.7985 | 0.6558 | 5.4543 | 1.2431 | -3.1248 | 187.00 | - | - | - | - | - |
| | NC | "Gr1" | 156.25 | 4.8542 | 5.5776 | 0.6492 | 6.2268 | 2.8265 | -3.5499 | 128.28 | - | - | - | - | - | - |
| | NC | "Gn" | 400.00 | 12.3197 | 5.8092 | 0.8901 | 6.6993 | 2.2597 | 4.2508 | 54.38 | - | - | - | - | - | - |
| Total of block (Excl. Saline) | | | 656.25 | 20.0907 | 16.1853 | 2.1951 | 18.3804 | 6.3293 | -2.4239 | 91.49 | Yes | Critical | | | | |

| Block | Area of Block | Type of Zone Area | Potential zone area | Net Annual Ground Water Availability | Existing Gross Ground Water Availability (Sq.m.) | Existing Gross Ground Water Availability (mem) | Existing Gross G.W. | Existing Gross Ground Water | Existing Draft for Dom. & Irrigation (mem) | Allocation for Dom. & Indu. Requirement year 2025 | Net G.W. availability for Develop- ment | State of G.W. | Whether significant decline in Pre-mon. W.L. | Category | Annual potential recharge ((mm)) |
|---|---------------|-------------------|---------------------|--------------------------------------|--|--|---------------------|-----------------------------|--|---|---|---------------|--|----------|----------------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| Rani | 782.0 | NC | "Phl" | 264.27 | 10.7633 | 9.6720 | 1.0614 | 10.7334 | 2.0140 | -0.9227 | 99.72 | - | - | - | - |
| | | NC | "Gr1" | 360.90 | 15.9128 | 15.5964 | 1.0341 | 16.6305 | 2.6130 | -2.2966 | 104.51 | - | - | - | - |
| | | saline | "Ao(S)" | 49.14 | 3.2821 | 1.1025 | 0.0633 | 1.1658 | 0.0000 | 2.1796 | 35.52 | - | - | - | - |
| | | saline | "Gr(S)" | 64.75 | 2.3231 | 0.5724 | 0.0561 | 0.6285 | 0.0000 | 1.7507 | 27.05 | - | - | - | - |
| Total of block (Excl. Saline) | | | | 625.17 | 26.6761 | 25.2684 | 2.0955 | 27.3639 | 4.6270 | -3.2193 | 102.58 | Yes | O.E. | | |
| Rohit | 1407.8 | NC | "Ao2" | 106.25 | 4.3005 | 4.1475 | 0.0600 | 4.2075 | 0.0715 | 0.0815 | 97.84 | - | - | - | - |
| | | saline | "A(S)" | 358.12 | 13.4468 | 5.1275 | 0.0666 | 5.1941 | 0.1500 | 8.1693 | 38.63 | - | - | - | - |
| | | saline | "Ao(S)" | 348.75 | 13.1803 | 5.3725 | 0.0471 | 5.4196 | 0.0500 | 7.7578 | 41.12 | - | - | - | - |
| | | saline | Ph(S) | 178.25 | 5.0215 | 1.4630 | 0.0000 | 1.4630 | 0.0000 | 3.5585 | 29.13 | - | - | - | - |
| | | saline | "Gr(S)" | 386.53 | 10.3366 | 2.4465 | 0.0000 | 2.4465 | 0.0000 | 7.8901 | 23.67 | - | - | - | - |
| Total of block (Excl. Saline) | | | | 106.25 | 4.3005 | 4.1475 | 0.0600 | 4.2075 | 0.0715 | 0.0815 | 97.84 | Yes | O.E. | | |
| Sojat | 1677.6 | NC | "Ph1" | 527.62 | 15.1971 | 14.3112 | 2.2359 | 16.5471 | 3.5000 | -2.6141 | 108.88 | - | - | - | - |
| | | NC | "Ph2" | 260.91 | 7.6739 | 6.6605 | 1.2180 | 7.8785 | 0.9000 | 0.1134 | 102.67 | - | - | - | - |
| | | NC | "Ls2" | 98.56 | 3.2617 | 6.1320 | 1.6659 | 7.7979 | 1.5479 | -4.4183 | 239.08 | - | - | - | - |
| | | NC | "Gr1" | 139.15 | 3.9554 | 5.0715 | 0.4995 | 5.5710 | 0.6950 | -1.8111 | 140.85 | - | - | - | - |
| | | NC | "Gn" | 107.26 | 3.2849 | 3.7030 | 0.3357 | 4.0387 | 0.4055 | -0.8236 | 122.95 | - | - | - | - |
| | | Saline | "Ao(S)" | 232.62 | 10.3728 | 1.9425 | 0.1722 | 2.1147 | 0.1000 | 8.3303 | 20.39 | - | - | - | - |
| | | Saline | "Ph(S)" | 179.23 | 4.0828 | 0.7350 | 0.0000 | 0.7350 | 0.0600 | 3.2878 | 18.00 | - | - | - | - |
| Total of block (Excl. Saline) | | | | 1133.50 | 33.3729 | 35.8782 | 5.9550 | 41.8332 | 7.0484 | -9.5537 | 125.35 | Yes | O.E. | | |
| Sumerpur | 959.73 | NC | "Ao1" | 110.00 | 5.4653 | 7.1050 | 0.3393 | 7.4443 | 0.8772 | -2.5169 | 136.21 | - | - | - | - |
| | | C | "Ao1" | 174.61 | 10.1935 | 12.8450 | 0.7530 | 13.5980 | 1.6562 | -4.3077 | 133.40 | - | - | - | - |
| | | C | "Ao2" | 94.46 | 6.0237 | 6.3910 | 0.0603 | 6.4513 | 0.8760 | -1.2433 | 107.10 | - | - | - | - |
| | | C | Ph1 | 83.14 | 3.8476 | 3.6144 | 0.2130 | 3.8274 | 0.0518 | 0.1814 | 99.47 | - | - | - | - |
| | | C | "Gr1" | 198.19 | 10.6956 | 12.2185 | 0.7026 | 12.9211 | 1.7213 | -3.2442 | 120.81 | - | - | - | - |
| | | Saline | "Ao(S)" | 284.48 | 13.6823 | 5.8380 | 0.1680 | 6.0060 | 0.5000 | 7.3443 | 43.90 | - | - | - | - |
| Total of block (Excl. Saline) | | | | 660.40 | 36.2258 | 42.1739 | 2.0682 | 44.2421 | 5.1825 | -11.1307 | 122.13 | Yes | O.E. | | |
| Total of District (Excl. Saline) | | | | 7362.54 | 282.1619 | 295.7790 | 27.0048 | 322.7838 | 54.4331 | -68.0502 | 114.40 | | | | |
| Total of District (Saline) | | | | 3188.85 | 112.2712 | 44.3309 | 1.1579 | 45.4888 | 2.2600 | 65.6804 | 40.52 | | | | |

GROUND WATER POTENTIAL OF RAJSAMAND DISTRICT AS ON 31.3.2004

| Block | Area in (Sq.Km.) | Type of Area | Potential Zone | Potential Zone | Net Annual G.W. Availa- bility (mcum) | Agricul- ture Draft (mcum) | Dom. & Indus. Draft (mcum) | Annual Gross G.W. Draft for All Uses (mcum) | Alloc. for Dom. & Inds. Req. for the Year 2025 (mcum) | Stage of G.W. Develop. (%) | Decline in Pre- monsoon Water Level (YES/NO) | Category | POTEN- TIAL REC'D. IN MCM (mcum) | |
|----------------|------------------------|--------------------|-------------------|-------------------|--|-------------------------------------|-------------------------------------|--|--|-------------------------------------|---|----------|--|----|
| | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| Vinet | 523.56 | N.C. | Gn | 465.19 | 11.4126 | 10.7856 | 1.6849 | 12.4705 | 5.9838 | -5.3568 | 109.27 | YES | YES | 16 |
| Total of Block | | | | | | | | | | | | | | |
| Bhim | 687.39 | N.C. | Sc | 232.78 | 8.8811 | 13.0506 | 0.6336 | 13.6842 | 2.9527 | -7.1222 | 154.08 | YES | YES | |
| | | N.C. | Gn | 104.38 | 3.3898 | 5.7132 | 0.2927 | 6.0059 | 1.4170 | -3.7404 | 177.18 | YES | YES | |
| Total of Block | | | | | | | | | | | | | | |
| Deogarh | 617.01 | N.C. | Sc | 123.75 | 3.5411 | 2.2614 | 0.1559 | 2.4173 | 0.5198 | 0.7599 | 68.27 | YES | YES | |
| | | N.C. | Gn | 267.01 | 6.6667 | 7.8912 | 0.4610 | 8.3522 | 3.3292 | -4.5537 | 125.28 | YES | YES | |
| Total of Block | | | | | | | | | | | | | | |
| Khamnor | 791.68 | N.C. | Sc/Ph | 236.77 | 8.0895 | 8.6724 | 0.6409 | 9.3133 | 1.6295 | -2.2124 | 115.13 | YES | YES | |
| | | N.C. | Gn | 395.99 | 10.1790 | 15.2568 | 0.6117 | 15.8685 | 2.3100 | -7.3878 | 155.89 | YES | YES | |
| | | C | Gn | 43.10 | 2.0768 | 2.8710 | 0.4657 | 3.3367 | 2.2593 | -3.0535 | 160.66 | YES | YES | |
| | | N.C. | Sc | 632.76 | 18.2685 | 23.9292 | 1.2526 | 25.1818 | 3.9395 | -9.6002 | 137.84 | | | |
| | | C | Sc | 43.10 | 2.0768 | 2.8710 | 0.4657 | 3.3367 | 2.2593 | -3.0535 | 160.66 | | | |
| Total of Block | | | | | | | | | | | | | | |
| Kumbhalgarh | 788.35 | N.C. | Sc | 372.49 | 14.3460 | 14.9772 | 0.5636 | 15.5408 | 3.3907 | -4.0219 | 108.33 | YES | YES | |
| | | N.C. | Gn | 164.07 | 5.3636 | 7.6260 | 0.2508 | 7.8768 | 1.3384 | -3.6009 | 146.86 | YES | YES | |
| Total of Block | | | | | | | | | | | | | | |
| Railmagra | 608.14 | N.C. | Sc | 542.12 | 10.6210 | 8.9550 | 0.8071 | 9.7621 | 3.2256 | -1.5596 | 91.91 | YES | YES | |
| | | C | Sc | 58.06 | 1.2119 | 1.1418 | 0.4238 | 1.5656 | 0.9856 | -0.9156 | 129.19 | YES | YES | |
| Total of Block | | | | | | | | | | | | | | |
| Rajsamand | 619.33 | N.C. | Sc | 133.10 | 2.5014 | 2.1540 | 1.3476 | 3.5016 | 2.2696 | -1.9222 | 139.99 | YES | YES | |
| | | C | Sc | 90.65 | 1.8764 | 1.3620 | 0.1938 | 1.5558 | 2.4374 | -1.9230 | 82.91 | YES | YES | |
| | | N.C. | Gn1 | 191.94 | 2.3156 | 1.4100 | 0.1668 | 1.5768 | 1.1858 | -0.2802 | 68.09 | YES | YES | |
| | | C | Gn1 | 31.19 | 0.4520 | 0.3702 | 0.0628 | 0.4330 | 0.5739 | -0.4921 | 95.80 | YES | YES | |
| | | N.C. | Gn2 | 53.16 | 0.6279 | 0.2912 | 0.0350 | 0.3262 | 0.2026 | 0.1341 | 51.95 | YES | YES | |
| | | C | Gn2 | 34.34 | 0.5967 | 0.6720 | 0.0372 | 0.7092 | 0.4051 | -0.4804 | 118.85 | YES | YES | |
| | | N.C. | Sc | 378.20 | 5.4449 | 3.8552 | 1.5494 | 5.4046 | 3.6580 | -2.0683 | 99.26 | | | |
| | | C | Sc | 156.18 | 2.9251 | 2.4042 | 0.2938 | 2.6980 | 3.4164 | -2.8955 | 92.24 | | | |
| Total of Block | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| N.C. | 3282.75 | 87.9351 | 99.0446 | 7.6516 | 106.6962 | 29.7547 | -40.8642 | 121.34 | | | | | | |
| | | C | Sc | 257.34 | 6.2138 | 6.4170 | 1.1833 | 7.6003 | 6.6613 | -6.8645 | 122.31 | | | |
| C. TOTAL | 4635.46 | District | 3540.09 | 94.1489 | 105.4616 | 8.8349 | 114.2965 | 36.4160 | -47.7287 | 121.40 | | | | |

GROUND WATER POTENTIAL OF SAWAIMADHOPUR DISTRICT AS ON 31.03.2004
GROUND WATER RECHARGE,EXTRACTION & STAGE OF GROUND WATER DEVELOPMENT

| Block | Area of Block (Sq.Km.) | Type of area | Potential Zone | Net Annual Availability (mem) | Existing Gross Water Availability (mem) | Existing Gross Ground Water Availability (mem) | Alloc. for Net Ground Water Dev. | Decline in Pre-Monsoon Water Level (Yes/No) | Category | Annual Potential Recharge (mm/yr) |
|-------------------|---------------------------|--------------|----------------|-------------------------------|---|--|----------------------------------|---|----------|-----------------------------------|
| | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| Bamanwas | 721.10 | NC | Ao | 464.28 | 52.1783 | 43.2120 | 6.1944 | 49.4064 | 10.00000 | -1.0337 |
| | | C | Ao | 114.78 | 12.5239 | 10.7015 | 0.9162 | 11.6177 | 2.00000 | -0.1776 |
| | | NC | Q | 77.49 | 2.83368 | 2.2140 | 0.4380 | 2.6520 | 0.7500 | -0.1272 |
| Total of Block | | | Total | 656.55 | 67.5390 | 56.1275 | 7.5486 | 63.6761 | 12.7500 | -1.3385 |
| Bonli | 1004.50 | NC | Ao | 252.85 | 27.0158 | 21.6900 | 4.3779 | 26.0679 | 8.00000 | -2.6742 |
| | | C | Ao | 97.05 | 10.3676 | 8.3124 | 2.5382 | 10.8506 | 4.00000 | -1.9448 |
| | | NC | Ls | 120.22 | 5.5057 | 5.5680 | 2.5521 | 8.1201 | 5.1000 | -5.1623 |
| | | C | Ls | 65.28 | 3.4074 | 4.1028 | 1.1746 | 5.2774 | 3.0000 | -3.6954 |
| | | NC | Ph | 379.20 | 14.3382 | 7.9770 | 2.1980 | 10.1750 | 4.5000 | 1.8612 |
| | | C | Ph | 68.78 | 2.6253 | 1.6338 | 0.4201 | 2.0539 | 0.9000 | 0.0915 |
| Total of Block | | | Total | 983.38 | 63.2600 | 49.2840 | 13.2609 | 62.5449 | 25.5000 | -11.5240 |
| Gangapur | 645.50 | NC | Ao | 339.83 | 43.2131 | 66.3252 | 14.1273 | 80.4525 | 22.8900 | -46.0021 |
| | | C | Ao | 159.09 | 16.2531 | 13.0548 | 4.1181 | 17.1729 | 6.7000 | -3.5017 |
| Total of Block | | | Total | 498.92 | 59.4662 | 79.3800 | 18.2454 | 97.6254 | 29.5900 | -49.5038 |
| Khandar | 1453.81 | NC | Ao | 407.90 | 44.7642 | 37.7760 | 4.4799 | 42.2559 | 6.6000 | 0.3882 |
| | | NC | Ls | 276.84 | 15.5639 | 11.1510 | 3.5046 | 14.6556 | 5.2000 | -0.7871 |
| | | NC | Q | 87.40 | 4.4262 | 4.6680 | 1.1536 | 5.8216 | 1.7000 | -1.9418 |
| | | NC | Sh | 406.35 | 16.9259 | 12.9360 | 2.0337 | 14.9697 | 3.5000 | 0.4899 |
| Total of Block | | | Total | 1178.49 | 81.6801 | 66.5310 | 11.1718 | 77.7028 | 17.0000 | -1.8509 |
| S.Madhopur | 1105.74 | NC | Ao | 420.51 | 59.7768 | 44.6160 | 1.36940 | 58.3100 | 20.9400 | -5.7792 |
| | | NC | Ls | 121.59 | 7.9380 | 5.4648 | 3.8952 | 9.3600 | 6.9000 | -4.4268 |
| | | NC | Sh | 123.29 | 5.7804 | 4.1880 | 2.1553 | 6.2433 | 3.6000 | -2.0076 |
| | | NC | Ph.Sc | 342.90 | 20.9988 | 34.8408 | 3.5446 | 38.3854 | 5.3000 | -19.1420 |
| Total of Block | | | Total | 1008.29 | 94.4940 | 89.1096 | 23.2891 | 112.3987 | 36.7400 | -31.3556 |
| Total of District | 5020.65 | NC | | 3820.65 | 321.2620 | 302.6268 | 64.3486 | 366.9754 | 104.9800 | -86.3448 |
| | | C | | 504.98 | 45.1773 | 37.8053 | 9.1672 | 46.9725 | 16.6000 | -9.2280 |
| | | Total | | 4325.63 | 366.4393 | 340.4321 | 73.5158 | 413.9479 | 121.5800 | -95.5728 |
| | | | | | | | | | | 112.96 |

GROUND WATER POTENTIAL OF SIKAR DISTRICT AS ON 31.03.2004

| Sl. No. | Area of Block (Sq.Km.) | Type of Area Zone | Potential Zone Area (Sq.Km.) | Net Annual Ground Water Availability (mcm) | Ground Water Draft for Irrigation (mcm) | Gross Ground Water Draft for Dom.& Indus. (mcm) | Alloc. for Dom. & Indus. Requirement for the Year 2025 (mcm) | Net G.W. Availability for future Irrig. Dev. (mcm) | Stage of Development (%) | Decline in Pre-Monsoon Water Level (Yes/No) | Category | Annual Potential Recharge (mcm) | | | | |
|-------------------|------------------------|-------------------|------------------------------|--|---|---|--|--|--------------------------|---|----------|---------------------------------|-------|--------|--------|--|
| | | | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | |
| Danta Ratangarh | 1210.51 | NC "Ao" | 949.95 | 48.9151 | 63.9443 | 4.7685 | 68.7128 | 7.5138 | -22.5429 | 140.47 | Yes | Yes | Yes | 0.0000 | | |
| | | "Q" | 190.50 | 4.4895 | 4.9974 | 0.7481 | 5.7455 | 1.3129 | -1.8208 | 127.98 | Yes | Yes | Yes | 0.0000 | | |
| Total of Block | | | 1140.45 | 53.4047 | 68.9417 | 5.5166 | 74.4583 | 8.8267 | -24.3637 | 139.42 | Yes | Yes | Yes | O.E. | 0.0000 | |
| Dhod | 9111.15 | NC "Ao" | 904.00 | 33.5321 | 50.0175 | 5.2688 | 55.2863 | 5.9555 | -22.4409 | 164.88 | Yes | Yes | Yes | 0.0000 | | |
| Total of Block | | | 904.00 | 33.5321 | 50.0175 | 5.2688 | 55.2863 | 5.9555 | -22.4409 | 164.88 | Yes | Yes | Yes | O.E. | 0.0000 | |
| Fatehpur | 1291.23 | NC "Ao" | 958.74 | 30.7384 | 19.7034 | 5.7232 | 25.4266 | 12.1829 | -1.1479 | 82.72 | No | No | No | 0.0000 | | |
| | | "AoI" | 300.00 | 13.6075 | 6.0848 | 2.7463 | 8.8311 | 0.9836 | 6.5392 | 64.90 | No | No | No | 0.0000 | | |
| Total of Block | | | 1258.74 | 44.3459 | 25.7882 | 8.4695 | 34.2577 | 13.1665 | 5.3912 | 77.25 | No | No | No | Safe | 0.0000 | |
| Khandella | 743.46 | NC "Ao" | 508.81 | 27.9220 | 37.9800 | 2.3003 | 40.2803 | 4.1061 | -14.1641 | 144.26 | Yes | Yes | Yes | 0.0000 | | |
| | | "Q" | 185.18 | 5.9512 | 5.0498 | 0.8675 | 5.9172 | 3.7845 | -2.8830 | 99.43 | Yes | Yes | Yes | 0.0000 | | |
| Total of Block | | | 693.99 | 33.8732 | 43.0298 | 3.1678 | 46.1975 | 7.8906 | -17.0471 | 136.38 | Yes | Yes | Yes | O.E. | 0.0000 | |
| Lachhmangarh | 1051.62 | NC "Ao" | 827.80 | 30.5384 | 32.5800 | 4.2028 | 36.7828 | 8.0908 | -10.1325 | 120.45 | Yes | Yes | Yes | 0.0000 | | |
| | | "AoI" | 180.50 | 6.5944 | 5.6712 | 0.7400 | 6.4112 | 1.0809 | -0.1577 | 97.22 | Yes | Yes | Yes | 0.0000 | | |
| Total of Block | | | 1008.30 | 37.1327 | 38.2512 | 4.9427 | 43.1939 | 9.1717 | -10.2902 | 116.32 | Yes | Yes | Yes | O.E. | 0.0000 | |
| Neem ka Thana | 1197.12 | NC "Ao" | 215.18 | 12.2017 | 17.6748 | 1.4596 | 19.1344 | 1.6890 | -7.1621 | 156.82 | Yes | Yes | Yes | 0.0000 | | |
| | | "Q" | 660.00 | 23.5265 | 18.7794 | 4.5510 | 23.3304 | 9.0057 | -4.2586 | 99.17 | Yes | Yes | Yes | 0.0000 | | |
| Total of Block | | | 875.18 | 35.7282 | 36.4542 | 6.0107 | 42.4649 | 10.6947 | -11.4207 | 118.86 | Yes | Yes | Yes | O.E. | 0.0000 | |
| Piplali | 807.66 | NC "Ao" | 674.59 | 35.1283 | 44.0835 | 6.6591 | 50.7426 | 17.5087 | -26.4639 | 144.45 | Yes | Yes | Yes | 0.0000 | | |
| | | "Q" | 51.59 | 1.6520 | 0.9833 | 0.7090 | 1.6923 | 0.8694 | -0.2006 | 102.43 | Yes | Yes | Yes | 0.0000 | | |
| Total of Block | | | 726.18 | 36.7803 | 45.0668 | 7.3681 | 52.4348 | 18.3781 | -26.6645 | 142.56 | Yes | Yes | Yes | O.E. | 0.0000 | |
| Sri Madhopur | 668.10 | NC "A" | 165.52 | 13.5284 | 16.3905 | 1.3980 | 17.7885 | 4.0950 | -6.9571 | 131.49 | Yes | Yes | Yes | 0.0000 | | |
| | | "Ao" | 491.10 | 23.6926 | 48.1704 | 3.0700 | 51.2404 | 5.2873 | -29.7651 | 216.27 | Yes | Yes | Yes | 0.0000 | | |
| Total of Block | | | 656.62 | 37.2210 | 64.5609 | 4.4679 | 69.0288 | 9.3823 | -36.7222 | 185.46 | Yes | Yes | Yes | O.E. | 0.0000 | |
| Fatehpur | | S "Ao" | 32.49 | 1.3943 | 0.3528 | 0.0000 | 0.3528 | 0.0000 | 1.0415 | 25.30 | No | No | No | 0.0000 | | |
| Lachhmangarh | | S "Ao" | 43.32 | 1.8907 | 0.9576 | 0.0000 | 0.9576 | 0.0000 | 0.9331 | 50.65 | No | No | No | 0.0000 | | |
| Piplali | | S "Ao" | 17.65 | 0.7606 | 0.4800 | 0.0000 | 0.4800 | 0.0000 | 0.2806 | 63.11 | No | No | No | 0.0000 | | |
| TOTAL OF DISTRICT | 7880.85 | NC Sal | | 7263.46 | 312.0180 | 372.1101 | 45.2121 | 417.3222 | 83.4661 | -143.5582 | 133.75 | Yes | Yes | - | | |
| | | | | | | | | | 0.0000 | 1.7904 | 0.0000 | 2.2552 | 44.25 | No | | |

GROUND WATER POTENTIAL OF SIROHI DISTRICT AS ON 31.3.2004

GROUND WATER RECHARGE,EXTRACTION & STAGE OF GROUND WATER DEVELOPMENT

| Block | Area of Block | Type of Areapal Zone | Poten-tial Area | Poten-tial Zone | Net Ground Water Availability | Annual Ground Water Draft for Irrig. | Gross Ground G.W. | Gross Ground Water Draft for Dom. & Ind. Use all uses | Allocation for Dom. & Ind. Requ. for future Irr. Dev. | Net G.W. | Stage of Develop-ment. | Decline in Pre monsoon W.L. | Decline in post monsoon W.L. | Category | Annual Potential Recharge | | |
|----------------|---------------|----------------------|-----------------|-----------------|-------------------------------|--------------------------------------|-------------------|---|---|----------|------------------------|-----------------------------|------------------------------|----------|---------------------------|--|--|
| | | | | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | | |
| Abu Road | 848.17 | NC | "A" | 60.50 | 7.9977 | 8.6112 | 0.9600 | 9.5712 | 1.5093 | -2.1228 | 119.67 | YES | YES | | | | |
| | NC | "Ph/Sc" | 142.34 | 9.4639 | 6.5715 | 0.6144 | 7.1859 | 1.9050 | 0.9874 | 75.93 | YES | YES | | | | | |
| | NC | "G" | 128.22 | 8.7757 | 7.7760 | 0.1792 | 7.9552 | 0.5376 | 0.4621 | 90.65 | YES | YES | | | | | |
| TOTAL OF BLOCK | | | 331.06 | 26.2374 | 22.9587 | 1.7536 | 24.7123 | 3.9519 | -0.6733 | 94.19 | YES | YES | Critical | | | | |
| Pindwara | 1164.9 | NC | "Sc/Gn" | 525.38 | 32.9093 | 32.1750 | 0.7360 | 32.9110 | 2.0779 | -1.3436 | 100.01 | YES | YES | | | | |
| | NC | "Gl" | 66.37 | 4.1036 | 3.6672 | 0.1536 | 3.8208 | 0.1536 | 0.2828 | 93.11 | YES | YES | | | | | |
| | NC | "G2" | 291.15 | 17.4888 | 12.2850 | 0.2560 | 12.5410 | 0.6144 | 4.5894 | 71.71 | YES | YES | | | | | |
| TOTAL OF BLOCK | | | 882.90 | 54.5018 | 48.1272 | 1.1456 | 49.2728 | 2.8459 | 3.5286 | 90.41 | YES | YES | Critical | | | | |
| Reodar | 1089.76 | NC | "A" | 185.93 | 20.2814 | 29.6829 | 0.2352 | 29.9181 | 0.5530 | -9.9545 | 147.52 | YES | YES | | | | |
| | NC | "Ph/Sc" | 553.00 | 29.7420 | 29.0880 | 0.4352 | 29.5232 | 1.3824 | -0.7284 | 99.26 | YES | YES | | | | | |
| | NC | "G" | 246.87 | 13.1197 | 11.8176 | 0.2048 | 12.0224 | 0.3840 | 0.9181 | 91.64 | YES | YES | | | | | |
| TOTAL OF BLOCK | | | 985.80 | 63.1431 | 70.5885 | 0.8752 | 71.4637 | 2.3194 | -9.7648 | 113.18 | YES | YES | O.E. | | | | |
| Sheogarh | 890.43 | NC | "A" | 526.03 | 49.5273 | 54.9120 | 0.7680 | 55.6800 | 1.8432 | -7.2279 | 112.42 | YES | YES | | | | |
| | NC | "Ph/Sc" | 60.15 | 2.6958 | 2.8320 | 0.2304 | 3.0624 | 0.6451 | -0.7813 | 113.60 | YES | - | YES | | | | |
| | NC | "G" | 186.71 | 8.8242 | 6.3102 | 0.2880 | 6.5982 | 0.8500 | 1.6640 | 74.77 | YES | YES | | | | | |
| TOTAL OF BLOCK | | | 772.89 | 61.0473 | 64.0542 | 1.2864 | 65.3406 | 3.3183 | -6.3452 | 107.03 | YES | YES | O.E. | | | | |
| Sirohi | 1168.91 | NC | "A" | 209.37 | 22.0115 | 28.0800 | 0.7040 | 28.7840 | 1.7510 | -7.8195 | 130.77 | YES | YES | | | | |
| | NC | "Ph/Sc" | 262.50 | 13.2050 | 7.5648 | 0.2048 | 7.7696 | 0.6144 | 5.0258 | 58.84 | YES | YES | | | | | |
| | NC | "Gl" | 67.18 | 3.4195 | 2.3808 | 0.1792 | 2.5600 | 0.4608 | 0.5979 | 74.43 | YES | YES | | | | | |
| | NC | "G2" | 564.00 | 29.1584 | 22.0800 | 0.6912 | 22.7712 | 2.3962 | 4.6822 | 78.09 | YES | YES | | | | | |
| TOTAL OF BLOCK | | | 1103.05 | 67.8143 | 60.1056 | 1.7792 | 61.8848 | 5.2224 | 2.4864 | 91.26 | YES | YES | Critical | | | | |
| DISTRICT TOTAL | | | 4075.70 | 272.7438 | 265.8342 | 6.8400 | 272.6742 | 17.6779 | -10.7683 | 99.97 | | | | | | | |

GROUND WATER POTENTIAL OF TONK DISTRICT AS ON 31.03.2004

| Block | Area of Block (Sq.Km.) | Type of Area | Poten-tial Zone | Poten-tial Zone | Net Annual Ground Water Availability (mcm) | Gross Ground Water Draft for Dom.& Irrig. (mcm) | Gross G.W. Draft for All Uses (mcm) | Alloc. for Dom.& Indus. Req'ment for the Year 2025 (mcm) | Net G.W. Availability for future Irrg. Dev. (mcm) | Stage of Ground Water Deve-lopment Level (%) | Decline in Pre-Monsoon Water Level (Yes/No) | Category | Annual Potential Recharge (mcm) | |
|--|------------------------|--------------|-----------------|-----------------|--|---|-------------------------------------|--|---|--|---|------------|---------------------------------|---------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| Deoli | 1239.02 | NC | Ao | 147.90 | 15,2564 | 16,1232 | 1,5978 | 17,7210 | 8,4500 | -9,3168 | 116.15 | No | Yes | 0.0000 |
| | NC | Sc | 762.94 | 37,2244 | 26,3879 | 5,3390 | 31,7269 | 7,2600 | 3,5765 | 85.23 | Yes | Yes | | 0.0000 |
| | C | Sc | 331.25 | 16,4568 | 11,7852 | 4,6793 | 16,4645 | 8,2000 | -3,5284 | 100.05 | Yes | Yes | | 0.0000 |
| Total of Block | | | | 1242.09 | 68,9375 | 54,2963 | 11,6161 | 65,9124 | 29,0403 | -14,3990 | 95.61 | Yes | Critical | 0.0000 |
| Malpura | 1482.46 | NC | Sc | 586.60 | 30,1049 | 23,6520 | 5,6539 | 29,3059 | 11,3100 | -4,8571 | 97.35 | Yes | Yes | 0.0000 |
| | NC | Gn | 653.12 | 28,9847 | 21,7913 | 4,6401 | 26,4314 | 9,2800 | -2,0866 | 91.19 | Yes | Yes | | 0.0000 |
| Total of Block | | | | 1239.72 | 59,0895 | 45,4433 | 10,2940 | 55,7373 | 20,5900 | -6,9438 | 94.33 | Yes | Critical | 0.0000 |
| Newai | 1074.91 | NC | Ao | 455.60 | 53,6919 | 44,6118 | 6,5709 | 51,1827 | 13,4500 | -4,3699 | 95.33 | Yes | | 0.0000 |
| | NC | Sc | 548.97 | 27,0272 | 23,8020 | 3,62290 | 27,4310 | 7,3000 | -4,0748 | 101.49 | Yes | Yes | | 0.0000 |
| Total of Block | | | | 1004.57 | 80,7191 | 68,4138 | 10,1999 | 78,6137 | 25,4998 | -13,1945 | 97.39 | Yes | Critical | 0.0000 |
| Toda-Raisingh | 1039.62 | NC | Sc | 773.93 | 31,1874 | 25,3584 | 3,2011 | 28,5595 | 6,4000 | -0,5710 | 91.57 | Yes | | 0.0000 |
| | NC | Gn | 138.21 | 4,7267 | 3,4980 | 1,5978 | 5,0958 | 3,2000 | -1,9713 | 107.81 | Yes | Yes | | 0.0000 |
| Total of Block | | | | 912.14 | 35,9141 | 28,8564 | 4,7989 | 33,6553 | 9,6000 | -2,5423 | 93.71 | Yes | Critical | 0.0000 |
| Tonk | 1431.54 | NC | Ao | 106.25 | 15,0258 | 11,1209 | 4,1710 | 15,2919 | 7,4200 | -3,5151 | 101.77 | Yes | | 0.0000 |
| | C | Ao | 249.31 | 28,7847 | 21,0924 | 5,6584 | 26,7508 | 10,2900 | -2,5977 | 92.93 | Yes | Yes | | 0.0000 |
| | NC | Sc | 528.09 | 23,9035 | 18,1320 | 5,3783 | 23,5103 | 10,7600 | -4,9885 | 98.36 | Yes | Yes | | 0.0000 |
| | C | Sc | 281.25 | 15,3148 | 11,4972 | 2,3661 | 13,8633 | 4,7300 | -0,9124 | 90.52 | Yes | Yes | | 0.0000 |
| Total of Block | | | | 1164.90 | 83,0288 | 61,8425 | 17,5738 | 79,4163 | 43,9345 | -22,7482 | 95.65 | Yes | Critical | 0.0000 |
| Unia | 990.38 | NC | Ao | 267.44 | 29,1946 | 23,1314 | 6,2278 | 29,3592 | 12,4400 | -6,3767 | 100.56 | Yes | Yes | 0.0000 |
| | C | Ao | 81.25 | 8,9745 | 6,4922 | 1,3715 | 7,8637 | 2,9700 | -0,4877 | 87.62 | No | Yes | | 0.0000 |
| | NC | Sc | 272.00 | 10,1407 | 10,2508 | 1,2620 | 11,5128 | 2,7400 | -2,8501 | 113.53 | Yes | Yes | | 0.0000 |
| | C | Sc | 118.75 | 5,8254 | 4,2948 | 1,1872 | 5,4820 | 2,5600 | -1,0294 | 94.11 | Yes | Yes | | 0.0000 |
| | NC | Gn | 191.61 | 8,3374 | 7,6732 | 0,8559 | 8,5291 | 2,1100 | -1,4458 | 102.30 | Yes | Yes | | 0.0000 |
| | C | Gn | 31.25 | 1,4676 | 0,9864 | 0,4316 | 1,4180 | 0,8600 | -0,3788 | 96.62 | Yes | Yes | | 0.0000 |
| Total of Block | | | | 962.30 | 63,9402 | 52,8287 | 11,3360 | 64,1647 | 28,3400 | -17,2285 | 100.35 | Yes | O.E. | 0.0000 |
| Malpura | | Saline | Gn | 81.00 | 3,2674 | 2,2800 | 0,0000 | 2,2800 | 0,0000 | 0,9874 | 69.78 | | | 0.0000 |
| Tonk | | Saline | Sc | 214.00 | 7,1346 | 4,9770 | 0,0000 | 4,9770 | 0,0000 | 2,1576 | 69.76 | | | 0.0000 |
| Total of District | NC | | | 5432.66 | 314,8054 | 255,5328 | 50,1246 | 305,6574 | 102,1200 | -42,8473 | 97.09 | | | 0.0000 |
| 7257.93 | C | | | 1093.06 | 76,8238 | 56,1482 | 15,6941 | 71,8423 | 29,6100 | -8,9343 | 93.52 | | | 0.0000 |
| Toal of District (Excluding Saline) | | | | 6525.72 | 391,6293 | 311,6809 | 65,8187 | 377,4996 | 131,7300 | -51,7817 | 96.39 | | | 0.0000 |
| Total of District (Saline) | | | | 295.00 | 10,4020 | 7,257 | 0,0000 | 7,257 | 0,0000 | 3,1450 | 69.77 | | | 0.0000 |

GROUND WATER POTENTIAL OF UDAIPUR DISTRICT AS ON 31.3.2004
BLOCKWISE & ZONewise GROUND WATER RECHARGE, EXTRACTION & STAGE OF DEVELOPMENT

| Block | Arae (Sq.Km.) | Type of Poten- tial Area | Poten- tial Zone | Net Annual G.W. Availa- bility (mcm) (Sq.Km.) | Agricul- ture Draft | Dom. Inds. draft | Gross Draft for All Uses | Alloc. | G.W. | Stage of G.W. Devel. | Decline in Pre- mons. Water Level | Decline in Post- mons. Water Level | Category | Annual Poten- tial Rech- arge (mcm) | |
|----------------|------------------|--------------------------------------|------------------------|---|---------------------------|------------------------|-----------------------------------|---------|--------|-------------------------------|---|--|----------|--|----|
| | | | | | (mcm) | (mcm) | (mcm) | | (mcm) | (%) | (Yes/No) | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| Badgaon | 466.44 | NC | Ph/Sc | 262.84 | 9,9796 | 12,8058 | 1,9283 | 14,7341 | 4,4825 | -7,3087 | 147.64 | YES | YES | | |
| Total of Block | | | | 262.84 | 9,9796 | 12,8058 | 1,9283 | 14,7341 | 4,4825 | -7,3087 | 147.64 | YES | YES | O.E. | |
| Bhinder | 1086.31 | NC | Gn | 906.15 | 24,8630 | 29,6466 | 1,8389 | 31,4855 | 9,2689 | -14,0525 | 126.64 | YES | YES | | |
| Total of Block | | | | 906.15 | 24,863 | 29,6466 | 1,8389 | 31,4855 | 9,2689 | -14,0525 | 126.64 | YES | YES | O.E. | |
| Dhariyawad | 1376.69 | NC | Gn | 461.7 | 17,8717 | 18,6420 | 0,8267 | 19,4687 | 3,7495 | -4,5198 | 108.94 | YES | YES | | |
| | | C | Gn | 345 | 14,1128 | 13,9386 | 0,6117 | 14,5503 | 3,5417 | -3,3675 | 103.10 | YES | YES | | |
| Total of Block | | | | 806.7 | 31,9845 | 32,5806 | 1,4384 | 34,019 | 7,2912 | -7,8873 | 106.36 | YES | YES | O.E. | |
| Girwa | 1402.80 | NC | Ph/Sc | 695.98 | 26,3129 | 33,8838 | 2,9325 | 36,8163 | 9,6264 | -17,1973 | 139.92 | YES | YES | | |
| | | NC | Gn | 311.82 | 9,3389 | 11,9130 | 0,8588 | 12,7718 | 2,3016 | -4,8757 | 136.76 | YES | YES | | |
| Total of Block | | | | 1007.8 | 35,6518 | 45,7968 | 3,7913 | 49,5881 | 11,928 | -22,073 | 139.09 | YES | YES | O.E. | |
| Gogunda | 992.69 | NC | Sc | 451.14 | 14,1727 | 14,2890 | 0,6625 | 14,9515 | 3,6724 | -3,7887 | 105.50 | YES | YES | | |
| | | NC | Ph/Sc | 176.62 | 6,8456 | 6,4440 | 0,2949 | 6,7389 | 1,4377 | -1,0361 | 98.44 | YES | YES | | |
| Total of Block | | | | 622.76 | 21,0183 | 20,733 | 0,9574 | 21,6904 | 5,1101 | -4,8248 | 103.20 | YES | YES | O.E. | |
| Jhadol | 1469.74 | NC | Ph/Sc | 604.76 | 16,0905 | 16,6104 | 1,2030 | 17,8134 | 4,9363 | -5,4562 | 110.71 | YES | YES | O.E. | |
| | | NC | Q | 151.67 | 4,8686 | 3,7014 | 0,2577 | 3,9591 | 1,2380 | -0,0708 | 81.32 | NO | NO | | |
| Total of Block | | | | 756.43 | 20,9591 | 20,3118 | 1,4607 | 21,7725 | 6,1743 | -5,527 | 103.88 | YES | YES | O.E. | |
| Kherwara | 1088.57 | NC | Ph/Sc | 716.24 | 21,8023 | 19,7754 | 1,9068 | 21,6822 | 8,1950 | -6,1681 | 99.45 | YES | YES | | |
| | | C | Ph/Sc | 76.06 | 2,2819 | 6,7995 | 0,2128 | 1,0123 | 0,7877 | 0,6947 | 44.36 | YES | YES | | |
| Total of Block | | | | 792.30 | 24,0842 | 20,5749 | 2,1196 | 22,6945 | 8,9827 | -5,4734 | 94.23 | YES | YES | Critical | |
| Kotra | 1845.99 | NC | Sc | 374.69 | 10,7838 | 6,5944 | 0,5840 | 9,1784 | 2,8798 | -0,6904 | 85.11 | YES | YES | | |
| | | NC | Ph/Sc | 84.87 | 2,4955 | 2,1330 | 0,1351 | 2,2681 | 0,6523 | -0,2898 | 90.89 | YES | YES | | |
| | | NC | G | 253.11 | 7,5464 | 7,1898 | 0,3920 | 7,5818 | 1,9454 | -1,5888 | 100.47 | YES | YES | | |
| Total of Block | | | | 712.67 | 20,8257 | 17,9172 | 1,1111 | 19,0283 | 5,4775 | -2,569 | 91.37 | YES | YES | Critical | |

ADMINISTRATIVE BASE MAP - ASSESSMENT UNIT

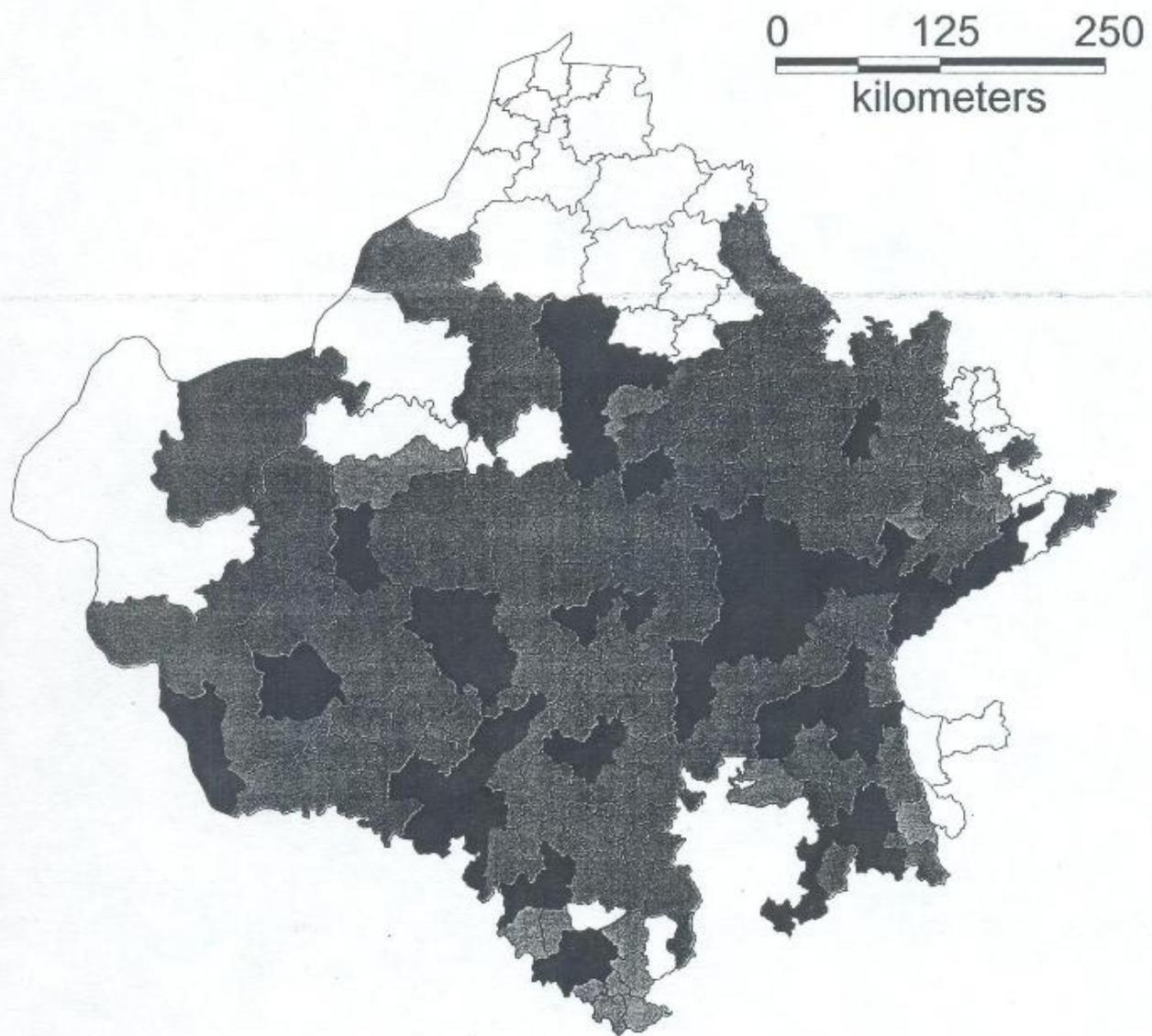


— Block Boundary

----- District Boundary

Jaipur District Headquarter

CATEGORY OF BLOCKS - RAJASTHAN (as on 31.3.2004)



Explanation

- [White square] Safe
- [Light gray square] Semi Critical
- [Medium gray square] Critical
- [Dark gray square] Over Exploited
- [Black square] Saline