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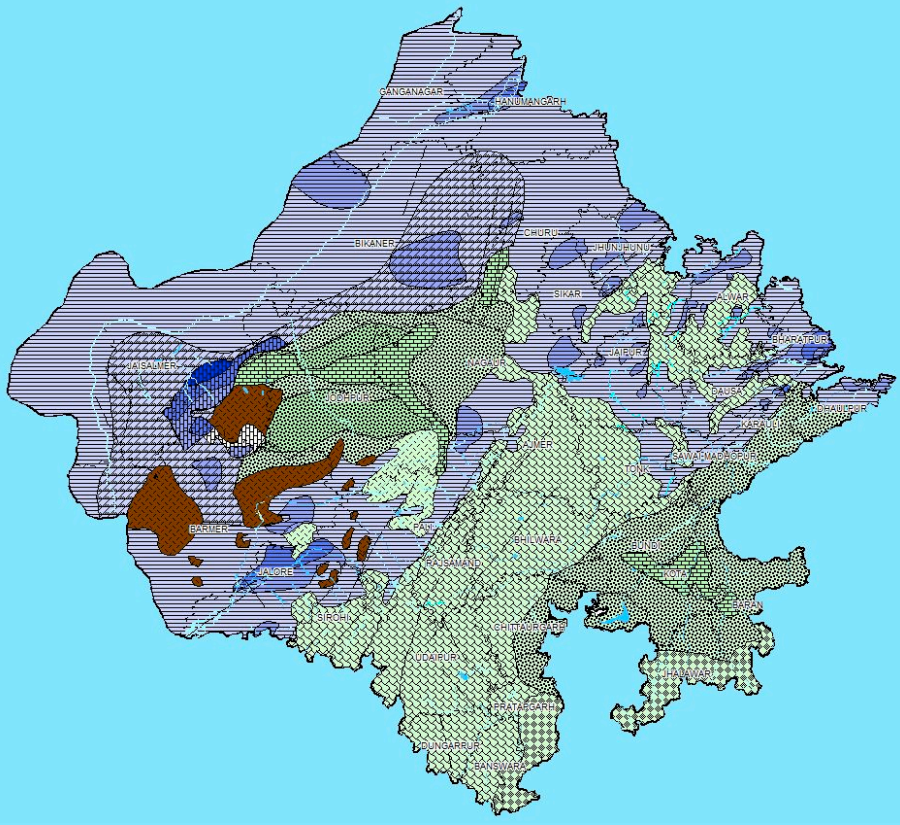
GROUND WATER YEAR BOOK
2014 – 2015

RAJASTHAN STATE



GOVERNMENT OF INDIA
MINISTRY OF WATER RESOURCES
RIVER DEVELOPMENT & GANGA REJUVENATION
CENTRAL GROUND WATER BOARD

REGIONAL OFFICE DATA CENTRE
WESTERN REGION
JAIPUR

January 2016

GROUND WATER YEAR BOOK
2014 – 2015

RAJASTHAN STATE

Compiled by

S. S. Yadav, Scientist – D
Lokendra Kumar, Draftsman

Under the guidance of

Dr. Arjit Dey Scientist – D & Supervisory Officer

REGIONAL OFFICE DATA CENTRE
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GROUND WATER YEAR BOOK 2014-15
RAJASTHAN

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FOREWORD

The limited ground water resources in Rajasthan are increasingly being exploited for irrigation, Industrial and domestic uses. The impact of these stresses coupled with non uniform rainfall are manifested in the form of changes in water levels and groundwater quality in the State. Central Ground Water Board is monitors the regime in Rajasthan four times a year, during May, August, November and January along with ground water quality during the month of May. The data of monitoring are shared with state authorities and other users for planning purposes. Ground Water Year Book 2014-2015 of Rajasthan the data of the interpreted and basic data on the behaviour of ground water levels and water quality prevailing during 2014-2015 as observed from the hydrograph stations and elucidates the changes that are observed in comparison with the situation prevailing in 2013-2014 as well as during the past decade.

In the preparation of this report. The efforts made by Sh. S. S. Yadav Scientist-D and Sh. Lokender Kumar, Draftsman under the guidance of Dr.Arijit Dey, Scientist-D. Assistance rendered by Sh. Rajan singh Scientist-D for prepration of this year book is appreciable. The hydrochemical analysis and its presentation by Shri J. P. Garg Assistant Chemist and his team is also appreciated.

I hope this Ground Water Year Book 2014-2015 Rajasthan will be of immense use to various user agencies and will be halpful to the planners and technocrats for the formulation of various ground waterbased schemes in the states.

(P. K. Parchure)
Regional Director

GROUND WATER YEAR BOOK 2014-2015
RAJASTHAN

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EXECUTIVE SUMMARY

- Central Ground Water Board has set up a network of 1,111 stations called the National Hydrograph Stations (NHS). During 2014-2015, monitoring of water level, temperature, water quality and other parameters for monitoring the behaviour of ground water system and changes in quality regime over time and space was carried out on 1,111 stations which comprises of 734 dug wells and 377 piezometers.

- Water levels and other parameters at National Hydrograph Stations are monitored four times a year. Water samples for ground water quality (inorganic constituents) are collected once in a year during May when the concentration of the chemical constituents is expected to be at the peak level.

- About 30% of the recharge to ground water in the areas falling under the irrigated commands of Indira Gandhi Nahar Pariyojna, Chambal and Mahi Canal systems is estimated as the seepage contribution from conveyance systems and return flow from irrigation.

- Rajasthan State has an area of 3,42,239 Sq.Km. The density of stations monitored during 2014-15 works out to one station for every 308 sq.km.

- The normal annual rainfall of Rajasthan is 549.1 mm. However, during the period from 2005 -14, highest average annual rainfall of the State in the year 2011 and lowest in the year 2009. The rainfall of the year 2014 is 20.8% less as compared to 2013.

- Rajasthan receives much lower rainfall compared to the other parts of the country. Out of the total rainfall, a sizable portion is in the beginning of the rainy season is used for building the soil moisture and is also lost to evaporation because of its arid conditions. The amount infiltrating through the soil mass to contribute to ground water storage is of the order of 5% to 7% in areas underlain by hard rocks and 10% to 15% in alluvial areas.

- During all the four recordings of water levels in May, August and November, 2014 and January, 2015, the depth to ground water was within 20 m in more than 60% of the stations.

The summarized details are given in the following table :

	Percentage of Stations			
Depth to water(mbgl)	**May-14**	**Aug-14**	**Nov-14**	**Jan-15**
>40	19	18	18	18
20 to 40	18	17	17	17
10 to 20	28	17	18	20
5 to 10	25	20	21	23
2 to 5	9	17	18	16
< 2	1	11	8	6

The analysis of water level data shows the following:

a) Compared to the average water level in the month of May during the decade 2004 to 2013, 50.4% of the station recorded a rise in water levels in May 2014.

b) Compared to the average water level in the month of August during the decade 2004 to 2013, 53.5 % of the station recorded a rise in water levels in August, 2014.

c) Compared to the average water level in the month of November during the decade 2004 to 2013, 57.50 % of the station recorded a rise in water levels in November, 2014.

d) Compared to the average water level in the month of January during the decade 2005 to 2014, 57.4 % of the station recorded a rise in water levels in January, 2015.

e) In August, 2014 as compared to May, 2014 rise in water levels was recorded in 72% and fall in 24% of the stations and no change in the remaining 4% stations.

f) In November, 2014, rise and fall over May, 2014 in water levels was recorded in 71% and 26% stations and no change in the remaining 4% stations.

g) In January, 2015, rise and fall over May, 2014 in water levels was recorded in 64 % & 34 % respectivelyand no change in the remaining 2% stations..

- Water level have registered fall in 2014-2015 as compared to 2013-14, because the rainfall during the year 2013 is 20.8% less as compared to that of 2014. Water level in May 14-15 as compared to May 13-14 show some rise in water level this may be due to less draft during the non monsoon period.

Comparison of water level fluctuation

Period	2013-2014		2014-2015		Variation in rise of water level %
	Rise (%)	Fall (%)	Rise (%)	Fall (%)	
May-Aug	76	24	72	24	-4
May-Nov	73	27	71	26	-2
May-Jan	68	32	64	34	-4
May-May	38	62	48	52	+10
Aug-Aug	50	50	35	61	-15
Nov-Nov	54	46	36	61	-18
Jan -Jan	50	50	38	61	-12

- The state receives 4.8% more rainfall then normal rainfall during (2014). About 50% of the monitoring stations rise in water levels (Mean May Vs May, 2014) has been observed.

- The hard rocks occupy more than 50% of the area of the State in the west-central, south-eastern and southern parts. The storage of ground water in hard rocks is in the weathered mantle, joints and fractures which provide only limited storage space. Therefore, only a part of the rainfall is available as ground water storage in many areas. This situation warrants full consideration in the planning process.
- The chemical quality of the ground water has been evaluated by analysing 561 samples collected from National Hydrograph Stations and nearby wells. The broad details are given in the following table:

Constituents	Percentage of Samples falling within		
	Acceptable limits	Permissible limits	Beyond Permissible limits
Total Dissolvd Solids	16.75	57.75	25.49
Fluorides (F)	54.72	17.83	27.45
Nitrate(NO_3)	57.22	-	-

Limitsof the various constituents in Parts Per Million for Potable Category

Constituents	Acceptable limits	Permissible limits
1. TDS	500	2,000
2. F	1.0	1.5
3 NO_3	45	-

- The manner of deposition of geological formations and arid climatic condition has led to high salinity in ground water at variable depths. Keeping in view of the Bureo of Indian standards, the acceptable limit (500 ppm) of TDS & beyond permissible limit (2000mg/l) in ground water. The TDS value in 74.51 % stations have within permissible limit and rest 25.49 % stations have TDS value beyond permissible limit (2000 mg/L). The TDS value in Barmer, Bharatpur ,Churu, Jodhpur and Nagaur districts have been observed in more than 50 % stations beyond the permissible limit.

  Alternative arrangements for assuring water for drinking and domestic uses within the prescribed Bureo of Indian standards therefore, need to be made in the remaining areas represented by 25.49% of the samples.
- The districts of Jalore, Sirohi, Bhilwara are worst affected districts with fluoride contamination, where more than 50 % of stations have fluoride value greater than 1.5 mg/L.
- The Nitrate concentration in 44.78 % stations have value beyond permissible limit in Rajasthan. Barmer, Churu , Jalore, Jhalawar, Jhodhpur Tonk, Rajsamand, Sirohi and Nagaur districts are more affected with nitrate concentration as more than 50 % of stations in these districts have nitrate values beyond permissible limit(45 mg/l)

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1.0 INTRODUCTION

The State of Rajasthan comprising of 33 districts has a geographical area of 3,42,239 square kilometre (sq km) and is the largest State in the country. Administrative division map of Rajasthan is shown in Figure-1. It is situated between north latitudes 23^0 03' and 30^0 12' and east longitudes 69^0 30' and 78^0 17'.The ground water monitoring is being carried out through a network of observation wells- the National Hydrograph Network Stations (NHS).

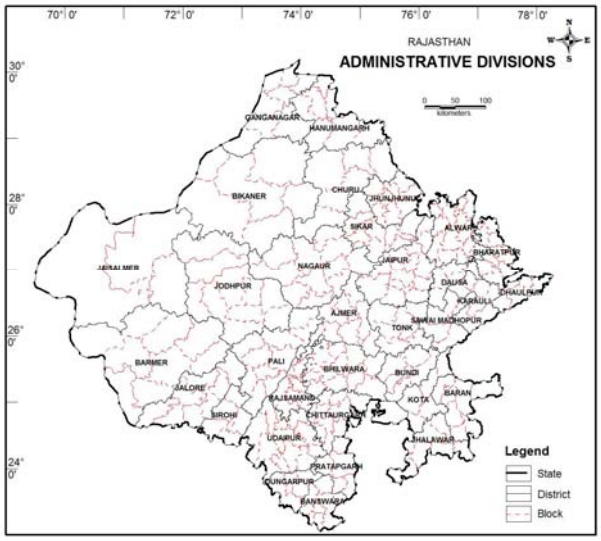


Figure - 1

The National Hydrograph Network Stations set-up is a system of spatially distributed observation points at which periodic monitoring of ground water and regime behaviour viz. recording of water levels and temperature and collection of water samples for water (chemical) quality analysis are done. The main objectives of

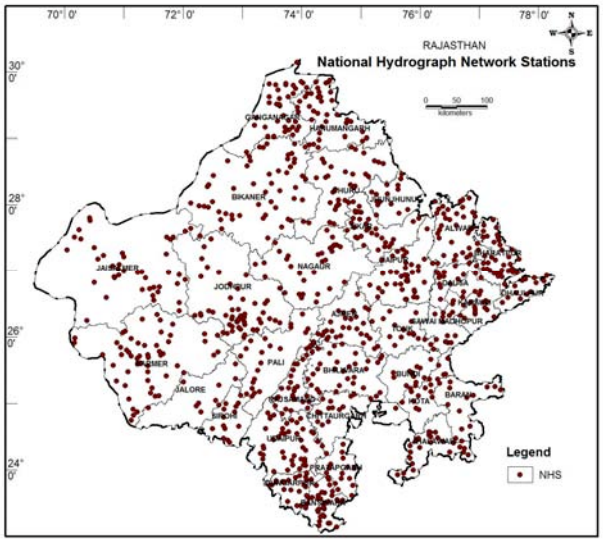


Figure - 2

monitoring of water levels and water quality are to observe the rise and fall of ground water levels and to study changes in quality of water in space and time consequent to changes in the inputs and outputs. Database on ground water levels and quality created through this effort forms an important tool in the evaluation of optimum development and decision making on the various aspects of water resources management. Presently 1111 NHS comprises of 734 dugwell and 377 piezometer in the state are being monitored and are represented on map of Rajasthan in figure-2. The district-wise distribution is given in Table -1 and water level data of monitoring stations is in Annexure-I.

Table 1: AREA OF DISTRICT AND NUMBER OF NHS AS ON 31.3.2015

S.No.	District	Geographical area (sq km)	Number of NHS monitored		
			Dug well	Piezometer	Total
1	Ajmer	8,481	25	6	31
2	Alwar	8,380	14	29	43
3	Banswara	4536.08	28	16	44
4	Baran	6,955	20	1	21
5	Barmer	28,387	41	12	53
6	Bharatpur	5,100	27	18	45
7	Bhilwara	10,455	33	4	37
8	Bikaner	27,244	35	36	71
9	Bundi	5,550	13	0	13
10	Chittorgarh	7880.00	16	4	20
11	Churu	16,830	29	13	42
12	Dausa	3,470	6	29	35
13	Dhaulpur	3,000	9	7	16
14	Dungarpur	3,770	19	4	23
15	Ganganagar	10,978	38	7	45
16	Hanumangarh	9,656	34	10	44
17	Jaipur	11,066	15	36	51
18	Jaisalmer	38,401	38	23	61
19	Jalore	10,640	8	7	15
20	Jhalawar	6,219	28	0	28
21	Jhunjhunu	5,928	1	25	26
22	Jodhpur	22,850	43	16	59
23	Karauli	5,016	17	9	26
24	Kota	5,481	18	0	18
25	Nagaur	17,718	21	6	27
26	Pali	12,387	23	3	26
27	Pratapgarh	4359.80	21	2	23
28	Rajsamand	4,768	28	3	31
29	Sawai Madhopur	5,043	17	2	19
30	Sikar	7,732	3	33	36
31	Sirohi	5,136	10	6	16
32	Tonk	7,194	17	3	20
33	Udaipur	11760.60	39	7	46
RAJASTHAN		**342,239**	**734**	**377**	**1111**

2.0 PHYSIOGRAPHIC FEATURES

2.1 Topography

The state has a fairly mature topography developed during the long period of denudation and erosion. The present physiography and landforms are greatly determined by geological formations and structures and is the product of the past fluvial cycle of erosion and the recent & continuing desert cycle of erosion. The Physiographical map of Rajasthan is shown in figure-3

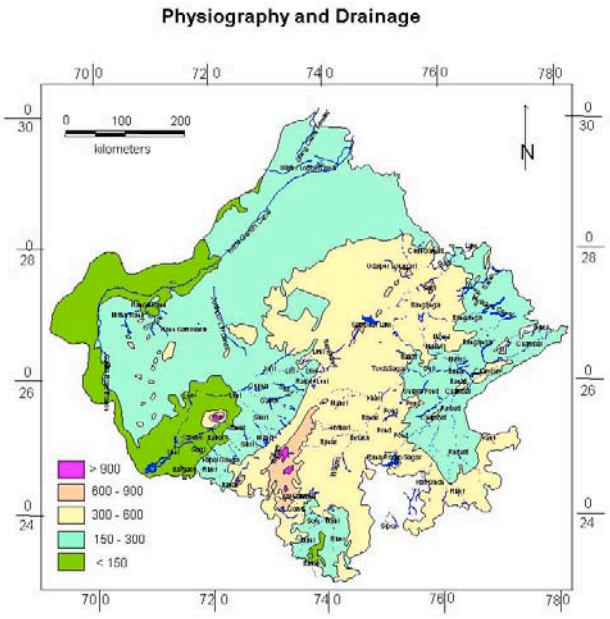


Figure - 3

Physiographically the state can be divided into four units:

(a) Aravalli hill ranges

(b) Eastern plains

(c) Western Sandy Plain and Sand Dunes and

(d) Vindhyan Scarpland and Deccan Lava Plateau

2.1.1 Aravalli Hill Ranges

The Aravalli ranges trending NE -SW are the oldest mountain chain in India. The elevation of these hill ranges varies from about 600 metres to over 900 metres above mean sea level (m amsl). They are composed of Bhilwara, Aravalli and Delhi Supergroup of rocks ranging in age from Archaean {2500 million year (my)} to Proterozoic (740 my). These ranges form a series of rugged hills with rounded surfaces. The quartzites however, stand out as scarps. Near Ajmer, these separate out southwestwards into a number of parallel ridges. At Mount Abu , the clusters of granite peaks reach a maximum height of 1722 m amsl at Guru Sikhar.

2.1.2 The Eastern Plains

In the plains, east of the Aravalli ranges, the altitude varies from 150 m to 450m amsl. The general trend of the slope varies from place to place. In Dungarpur and Banswara districts it is mainly from north to south, in Alwar district it is from south to north and in the remaining districts, forming the central and north eastern Rajasthan, it is from west to east. The south - eastern limit is marked by the Vindhyan plateau.

2.1.3 The Western Sandy Plains and Sand Dunes

The sandy plains in western Rajasthan, forming a part of Thar Desert, are mainly occupied by alluvium and blown sands. These plains are further sub-divided into three units :

i) Sandy Arid Plain (Marusthali)
ii) Semi-arid Transitional Plain
iii) Ghaggar Plain

The Sandy Arid Plain is a typical desert terrain. It includes the western most districts of Jaisalmer, Bikaner and part of Barmer, Jodhpur, Nagaur, Churu and Ganganagar. The line dividing the Sandy Arid Plain and the Semi-arid Transitional Plain as well as Ghaggar Plain is based on climatic parameters and water resource availability.

The eastern boundaries of the Semi-arid Transitional Plain are the foot-hills and their extension on the western side of Aravalli ranges. Sand dunes are prominent and the terrain is punctuated with isolated hills of granites and rhyolites. The altitude varies from 30m to 300m amsl. The general slope is from northeast to southwest.

The Ghaggar Plain consists mainly of former flood plains and aeolian deposits. Networks of canals cover the entire area. The southern and southeastern part is occupied by medium to high dunes. Nineteen of these interdunal depressions are being utilised for storing the diverted Ghaggar flood waters. The central part of the Ghaggar Plain is drained by the regulated flood waters of Ghaggar river.

2.1.4 Vindhyan Scarpland and Deccan Lava Plateau

The southeastern plains are locally characterised by plateau, scarpland and ravines. The Vindhyan scarpland are seen all along the Great Boundary Fault from

Chittorgarh to the trijunction of Bharatpur, Dholpur and Sawai Madhopur districts. They have an average elevation of 300m to 580m amsl.

The Deccan Lava Plateau is mainly confined to parts of Kota, Jhalawar, Banswara and Chittorgarh districts. The elevation ranges from 300m to over 500m amsl.

The ravines, locally impassable, are confined to the alluvium overlying the Vindhyans in Dholpur, Sawaì Madhopur, Jhalawar and Kota districts along the Chambal river and its tributaries.

2.2 Drainage

The Aravalli Hill Ranges form the main water divide in Rajasthan. Luni is the only river west of Aravallis. In the remaining area of western Rajasthan comprising about 60% of the geographical area of the state, the drainage is internal, and the streams are lost in the desert sands after flowing for a short distance from the point of origin. Luni itself essentially is an ephemeral stream with flood cycle of 16 years. Drainage in western Rajasthan is towards west and south - west.

In the east of Aravalli ranges the main drainage is towards north - east. The Chambal catchment occupies 23% (78630 sq km) of the total geographical area of the state. The breakup of NHS and basin area of each river basin is shown in table no. 2.

TABLE 2: DISTRIBUTION AND DENSITY OF NHS IN RIVER BASINS

Sr. No.	BASIN	Area in sq. km	Area %	NHS No.	NHS %	Density in sq. km/Station
1	Chambal	78630.83	22.92	299	24.79	263
2	Draining into Gulf of Kutch	2722.53	0.79	13	1.08	209
3	Jaiselmer-Bikaner-Churu	69875.57	20.37	161	13.35	434
4	Luni and other drainage into Great Rann of Kutch	62315.84	18.16	129	10.70	483
5	Luni-Barmer-Jaiselmer	58899.97	17.17	124	10.28	475
6	Mahi	16140	4.70	103	8.54	157
7	Rohtali to Ambala on east and Ganganagar on West	14992.14	4.37	71	5.89	211
8	Sabarmati	4196.27	1.22	11	0.91	381
9	Sutlej	4511.64	1.32	20	1.66	226
10	Yamuna	30791.06	8.98	180	14.93	171
	Grand Total	343075.9	100.00	1111	92.12	309

The other important catchments include Yamuna-Ganga in the north east, and Mahi and Sabarmati in the south west with flow towards south. The former three catchments support perennial rivers. In the northern and north-eastern parts of eastern

Rajasthan, the Banganga, Barah, Sota, Sahib and Kantli rivers are of inland nature. The drainage in the whole of Rajasthan is generally dendritic.

In the desert area a few salt lakes and depressions exist, prominent among them being the Sambhar Lake, Didwana Lake, Bap, Pachpadra and Rann of Jaisalmer and Pokran.

3.0 CLIMATE

3.1 Climate

Climatically, the year in Rajasthan can be divided into three major conventional seasons as follows:

- The Hot- Weather Season (March to end of June)
- Monsoon Season (End of June to September)
- The Cold- Weather Season (October to February)

The India Meteorological Department has further sub-divided the cold season into two divisions, i.e.

a) The Season of retreating monsoon (October to December)
b) The cold season (January to February)

These seasonal variations have been broadly based on temperature and rainfall conditions in different months.

3.2 Rainfall

Rainfall is the major source of ground water recharge in the state. The state receives 90 % rainfall from southwest monsoon from June to September. The winter rainfall is meagre. Map showing distribution of average annual rainfall during 2014 in the State (Figure - 4)

There are 292 Rain gauge stations in the state. The annual rainfall data of ten years 2005 to 2014 have been analysed to calculate average rainfall of each district in the respective years. The average annual rainfall of the state during the period 2014 works out to be 575.6 mm. average annual rainfall and departures (%) from normal annual rainfall in the state is shown in figure-4.1 The percentage departures of average annual rainfall from Normal (1901-70) have been computed for the last ten years and tabulated in Table 3. It is observed that the average annual rainfall in the State, during

the year 2014, is 4.8% more than the normal annual rainfall. The average annual rainfall in the state during the preceding year i.e. 2013 was more than 32.4 % to normal annual rainfall.

Figure - 4 Map showing distribution of average annual rainfall during 2014.

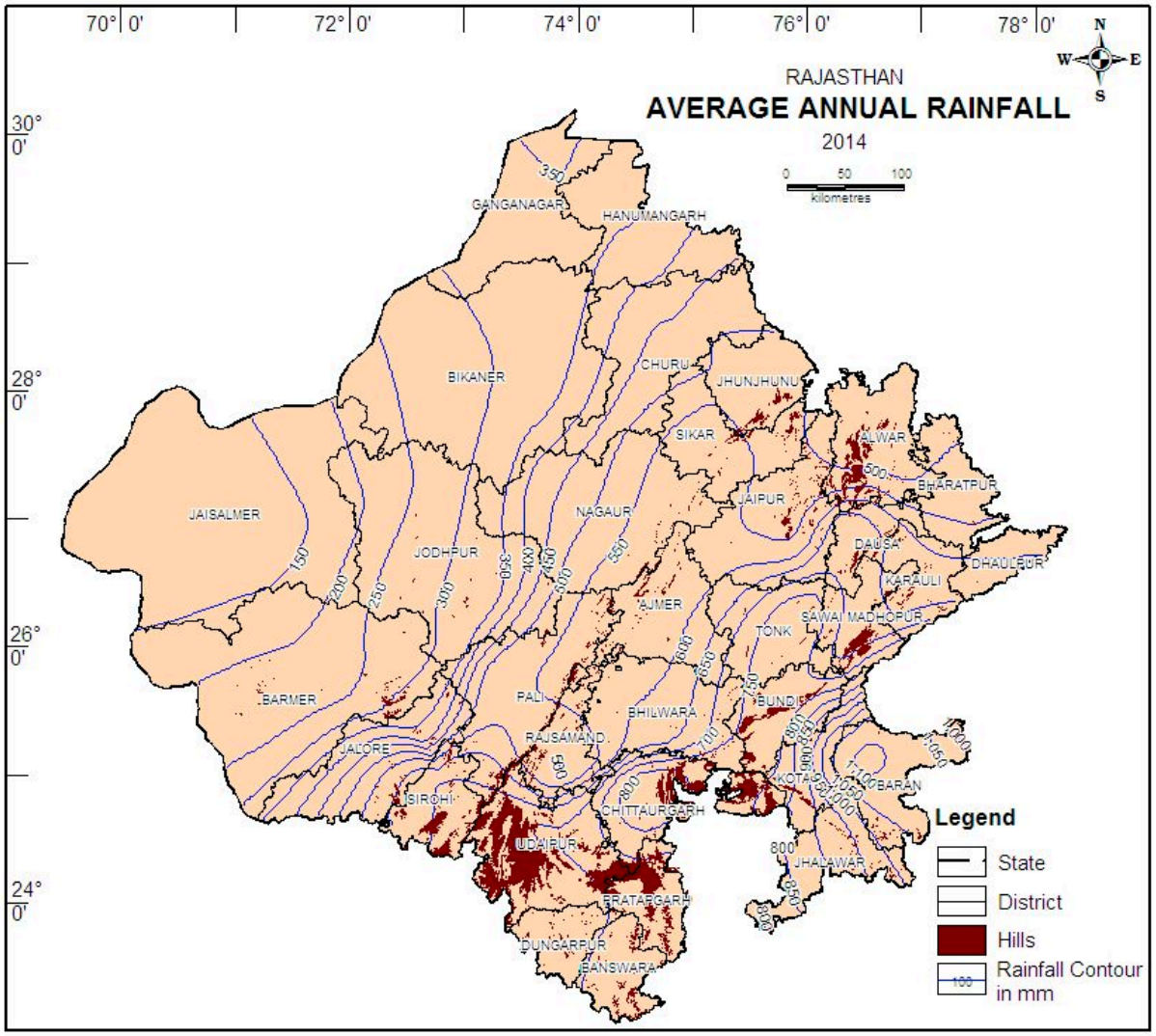


TABLE – 3 AVERAGE ANNUAL RAINFALL AND DEPARTURE (%) FROM NORMAL RAINFALL

S. No.	District	Normal (1901-70)	RAINFALL IN MM										DEPARTURE FROM NORMAL RAINFALL IN(%)									
			2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
1	Ajmer	437.0	481	445	396	436	264	660	670	611	558	574.1	10.1	1.8	-9.4	-0.2	-39.6	51.0	53.3	39.8	27.7	31.4
2	Alwar	626.0	699	525	615	955	514	687	638	626	694	477.8	11.7	-16.1	-1.8	52.6	-17.9	9.7	1.9	0.0	10.9	-23.7
3	Banswara	870.0	791	1806	1283	564	726	630	1024	872	1049	724.9	-9.1	107.6	47.5	-35.2	-16.6	-27.6	17.7	0.2	20.6	-16.7
4	Baran	895.3	904	797	677	936	644	609	1529	731	1564	1106.4	1.0	-11.0	-24.4	4.5	-28.1	-32.0	70.8	-18.4	74.7	23.6
5	Barmer	260.0	183	647	270	301	152	547	440	210	436	215.0	-29.6	148.8	3.8	15.8	-41.5	110.4	69.2	-19.2	67.7	-17.3
6	Bharatpur	675.1	672	404	437	792	594	785	782	729	620	523.8	-0.5	-40.2	-35.3	17.3	-12.0	16.3	15.8	8.0	-8.2	-22.4
7	Bhilwara	603.3	553	835	569	580	371	705	585	596	715	618.7	-8.3	38.4	-5.7	-3.9	-38.5	16.9	-3.0	-1.2	18.5	2.6
8	Bikaner	249.8	298	196	283	359	190	423	339	332	303	301.6	19.3	-21.5	13.3	43.7	-23.9	69.3	35.7	32.9	21.3	20.7
9	Bundi	715.8	589	629	609	643	419	656	860	600	893	762.2	-17.7	-12.1	-14.9	-10.2	-41.5	-8.4	20.1	-16.2	24.8	6.5
10	Chittorgarh	772.3	739	1084	649	814	526	758	850	817	946	844.0	-4.3	40.4	-16.0	5.4	-31.9	-1.9	10.1	5.8	22.5	9.3
11	Churu	337.9	356	297	405	506	249	641	588	428	494	477.8	5.4	-12.1	19.9	49.7	-26.3	89.7	74.0	26.7	46.2	41.4
12	Dausa	625.7	649	439	555	861	417	743	791	876	861	682.3	3.7	-29.8	-11.3	37.6	-33.4	18.7	26.4	40.0	37.6	9.0
13	Dhaulpur	717.5	636	399	476	1031	477	739	614	851	932	600.7	-11.4	-44.4	-33.7	43.7	-33.5	3.0	-14.4	18.6	29.9	-16.3
14	Dungarpur	610.4	531	1347	750	464	721	599	957	952	906	659.5	-13.0	120.7	22.9	-24.0	18.1	-1.9	56.8	56.0	48.4	8.0
15	Ganganagar	171.6	182	255	329	310	242	338	371	236	212	352.8	6.1	48.6	91.7	80.7	41.0	97.0	116.2	37.5	23.5	105.6
16	Hanumangarh	237.5	291	282	419	366	273	418	387	266	347	336.9	22.5	18.7	76.4	54.1	14.9	76.0	62.9	12.0	46.1	41.9
17	Jaipur	526.8	595	387	495	713	310	792	654	603	637	541.7	12.9	-26.5	-6.0	35.3	-41.2	50.3	24.1	14.5	20.9	2.8
18	Jaisalmer	158.6	145	276	226	186	87	379	309	225	242	124.5	-8.6	74.0	42.5	17.3	-45.1	139.0	94.8	41.9	52.6	-21.5
19	Jalore	400.6	445	853	410	378	167	827	689	332	582	354.2	11.1	112.9	2.3	-5.6	-58.3	106.4	72.0	-17.1	45.3	-11.6
20	Jhalawar	884.8	674	1356	701	696	634	629	1179	758	1439	912.2	-23.8	53.3	-20.8	-21.3	-28.3	-28.9	33.3	-14.3	62.6	3.1
21	Jhunjhunu	459.5	518	562	463	624	272	763	670	516	559	516.0	12.7	22.3	0.8	35.8	-40.8	66.1	45.8	12.3	21.7	12.3
22	Jodhpur	296.7	289	252	288	368	146	462	404	356	522	304.8	-2.6	-15.1	-2.9	24.0	-50.8	55.7	36.2	20.0	75.9	2.7
23	Karauli	616.2	607	424	553	1013	530	730	754	982	884	619.6	-1.5	-31.2	-10.3	64.4	-14.0	18.5	22.4	59.4	43.5	0.6
24	Kota	808.7	608	957	706	812	579	592	1234	613	1223	770.3	-24.8	18.3	-12.7	0.4	-28.4	-26.8	52.6	-24.2	51.2	-4.7
25	Nagaur	363.1	385	270	318	465	183	537	316	522	527	442.0	6.0	-25.6	-12.4	28.1	-49.6	47.9	-13.0	43.8	45.1	21.7
26	Pali	484.5	445	665	572	397	271	639	659	584	562	533.2	-8.2	37.3	18.1	-18.1	-44.1	31.9	36.0	20.5	16.0	10.1
27	Rajsamand	556.1	734	797	618	454	413	831	759	647	674	499.3	32.0	43.3	11.1	-18.4	-25.7	49.4	36.5	16.3	21.2	-10.2
28	Sawai Madhopur	655.8	814	500	528	739	479	664	819	692	920	687.3	24.1	-23.8	-19.5	12.7	-27.0	1.3	24.9	5.5	40.3	4.8
29	Sikar	459.8	442	370	494	619	272	821	633	649	554	571.9	-3.9	-19.5	7.4	34.6	-40.8	78.6	37.7	41.1	20.5	24.4
30	Sirohi	606.3	821	1531	829	507	378	943	1081	739	727	655.0	35.4	152.5	36.7	-16.4	-37.7	55.5	78.3	21.9	19.9	8.0
31	Tonk	598.2	564	431	534	613	379	788	855	727	894	789.0	-5.7	-28.0	-10.7	2.5	-36.6	31.7	42.9	21.5	49.4	31.9
32	Udaipur	632.7	825	1270	632	617	583	890	879	732	786	701.8	30.4	100.7	-0.1	-2.5	-7.9	40.7	38.9	15.7	24.2	10.9
33	Pratapgarh	806.0										713.0										-11.5
	RAJASTHAN	**549.1**	**546**	**665**	**534**	**598**	**389**	**666**	**729**	**607**	**727**	**575.6**	**-0.6**	**21.2**	**-2.7**	**8.9**	**-29.1**	**21.4**	**32.7**	**10.5**	**32.4**	**4.8**

A perusal of Table 3 reveals that during the year 2014, 23 districts received above annual normal rainfall and among which Ganganagar district received 105.8% above normal annual rainfall. But ten districts received below normal annual rainfall.

The isohytes of annual rainfall (2014) indicates that the rainfall in the east of Aravalli is significantly higher as compared to the western part.

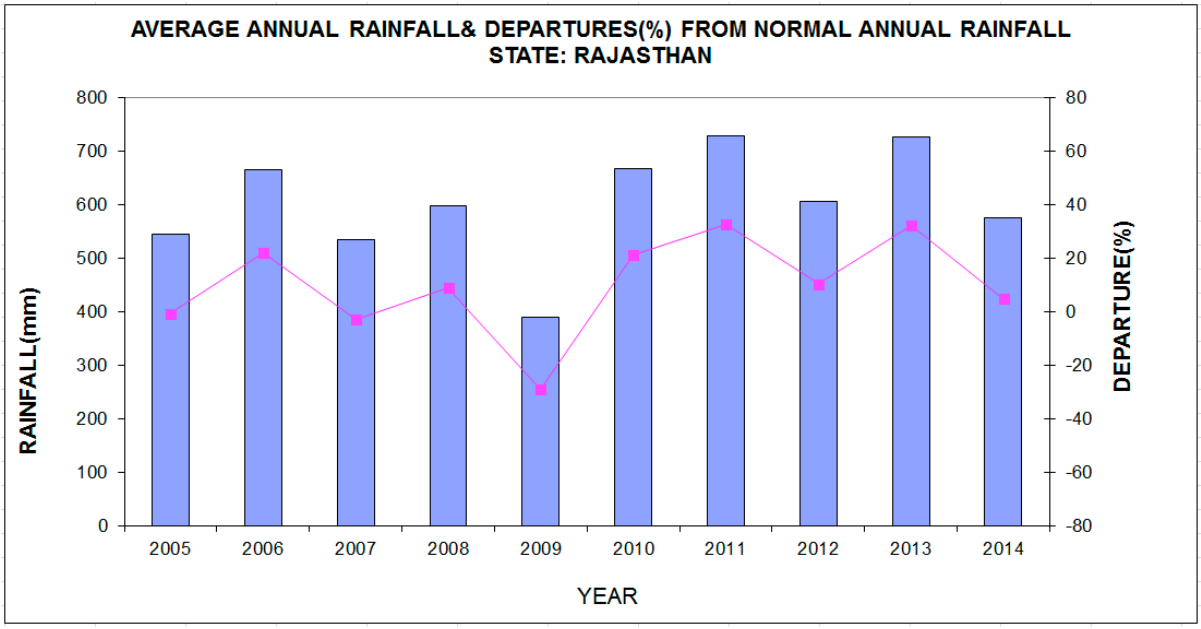


Figure – 4.1

3.3 Temprature

The hot weather season commences in the month of March and continues through April to June. In the month of May the diurnal range of temperature increases more and the day become hotter. During June the mean maximum temperature reaches as high as 48^0 C.

January is the coldest month.The normal minimum temperature for the month of January range from 2^0 C in the north to 7.8^0 C in the south west in the western Rajasthan. At Mount Abu (1195 mamsl), temperature dips to freezing point during the month of December /January. In eastern Rajasthan the range of normal minimum temperature (January) in and around the Aravalli hill ranges is 7^0 C to 8^0 C which increases towards the east and attains a high of more than 10^0 C in the districts of Kota and Bundi.

4.0 GEOLOGY

Diverse rock types ranging from the oldest Archaean rocks to sub- Recent alluvium and wind blown sand are exposed in Rajasthan. In a major portion of the area, particularly in western Rajasthan, the oldest rocks are concealed below a thick cover of alluvium and wind blown sands. A generalised stratigraphic succession of various formations and rock types is given in Table-4. Distribution of NHS in relation to various litho-units is given in Table-5

4.1 Archaeans

The Archaeans in Rajasthan are represented by Bhilwara Supergroup and comprise Banded Gneissic Complex representing the oldest metasedimentary sequence alongwith Berach Granite.

4.2 Proterozoics

Aravallis: Aravalli Supergroup unconformably overlies the Archaeans and consists of phyllites, greywackes, quartzites and dolomites intruded by granites and mafic rocks.

Delhis: These are exposed over a large part of central and north eastern Rajasthan and consist dominantly of quartzites, biotite-schist, calc-schist and marble.

Vindhyans: Vindhyans unconformably overlie Delhis and have been deposited in two separate basins on either side of the Aravallis. In the eastern part these comprise unmetamorphosed, relatively undisturbed, sandstones, limestones and shales. Great Boundary Fault separates them from Aravallis and Archeans.

Intrusives and extrusives: Nepheline syenites are exposed around Kishangarh and are post-Delhi in age. Erinpura Granite is the principal intrusive into the Delhis and are exposed around Ajmer and Mount Abu. Malani Suit of Igneous rocks consisting of rhyolites and pyroclastic material are exposed around Jodhpur and are post-Delhi in age.

TABLE 4: GEOLOGICAL SUCCESSION

GEOLOGICAL TIME UNIT		LITHOSTRATIGRAPHIC TIME UNIT		LITHOLOGY
ERA	PERIOD	SUPERGROUP / GROUP		
RECENT				Alluvium and blown sand
CAINOZOIC (TERTIARY)	Eocene	Mandai/ Akli/ Kapurdih/ Jogira/ Banda/ Khuiala / Palana		Sandstone, bentonitic clay & fuller's earth
DECCAN TRAPS				Basalt
MESOZOIC	Cretaceous	Abur / Fatehgarh		Sandstone, limestone, clay and lignite
	Jurassic	Paruhar/ Bhadesar/ Baisakhi/ Jaisalmer/ Lathi		Limestone, sandstone & shale
PALAEOZOIC	Permo- Carboniferous		Bhadura	Sandstone & boulders
		Marwar	Nagaur/ Bilara/ Jodhpur	Sandstone, gypsum, siltstone, limestone, dolomite & shale
UPPER PROTEROZOIC		Vindhyan	Bhander/ Rewa/ Kaimur/ Semri	Sandstone, shale, limestone, conglomerate & basic flows
		Acid,Basic and Ultrabasic Intrusives and Extrusives Malani Volcanics / Plutonics Kishangarh Syenite		
LOWER PROTEROZOIC		Delhi	Ajabgarh/ Alwar/ Sirohi/ Punagarh/ Raialo	Quartzite, schist, gneiss, marble, shale, slate, phyllite & basic flows
		Granite, Basic & Ultrabasic Intrusives		
		Aravalli	Jharol/ Bari/ Udaipur/ Debari	Quartzite, schist, phyllite, conglomerate, greywacke, metavolcanics & marble
		Granite & Basic Intrusives		
ARACHAEAN		Bhilwara	Ranthamobre/ Rajpura-Dariba /Hindoli	Phyllite, slates, schist, gneiss, granite gneiss & migmatites

4.3 Palaeozoics

In the western part of the state, Marwar Super Group of Lower Palaeozoic age consists of three groups namely Jodhpur group (mainly sandstone & shale), Bilara Group (mainly limestones and dolomite) and Nagaur group (sandstone, siltstone and gypsum). Overlying the Marwar Super Group are the Badhura Formation of Permo-Carboniferous age comprising sandstones and boulders.

4.4 Mesozoics

Mesozoics are exposed mainly in Jaisalmer and Barmer districts. These comprise sandstones and limestones.

4.5 Deccan Traps

Deccan Traps occupy a part of southeastern segment of the state covering parts of Banswara, Baran, Jhalawar and Chittorgarh districts. These overlie pre-Aravallis, Aravallis and Vindhyans. These are basaltic to doleritic in composition and are uniform over a large area.

4.6 Tertiaries

Sandstones, bentonitic clay and Fuller's earth are the
Main litho-units and are exposed in Barmer, Bikaner and Jaisalmer districts.

4.7 Recent

This group consists of alluvium, blown sands, kankar and evaporites and are widely spread in the state.

5.0 HYDROGEOLOGY

The principal source of recharge to ground water in Rajasthan is rainfall. In canal irrigated areas, a part of canal water through seepage from conveyance system and part of water i.e. utilised for irrigation also returns to ground water and contributes to storage. The hydrogeological map of Rajasthan is shown in figure-5

For broadly grouping geological formations from ground water occurrence & movement considerations, the various lithological units have been classified into two groups on the basis of their degree of consolidation and related parametres these are:

I Porous formations

(a) Unconsolidated formations

(b) Semi- consolidated formations

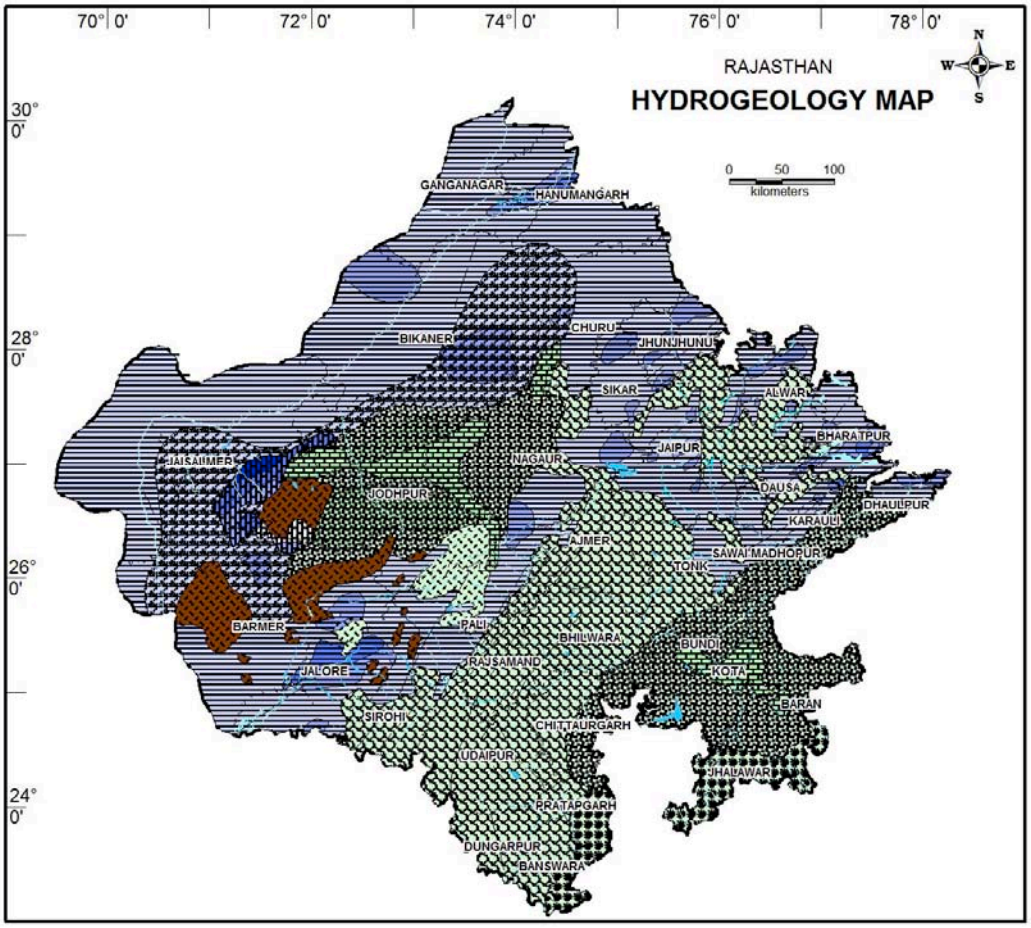
II Fissured fromations

(a) Consolidated sedimentary rocks

(b) Igneous and metamorphic rocks

(c) Volcanic rocks

(d) Carbonate rocks


70° 0'
72° 0'
74° 0'
76° 0'
78° 0'
30° 0'
28° 0'
26° 0'
24° 0'
RAJASTHAN
HYDROGEOLOGY MAP
N
W
E
S
0 50 100
kilometers
GANGANAGAR
HANUMANGARH
BIKANER
CHURU
JHUNJHUNUN
SIKAR
ALWAR
BHARATPUR
JAISALMER
NAGAUR
JAIPUR
DAUSA
JODHPUR
DHAULPUR
KARAULI
AJMER
SAWAI MADHOPUR
TONK
BARMER
PALI
BHILWARA
BUNDI
JALORE
RAJSAMAND
KOTA
BARAN
SIROHI
CHITTAURGARH
UDAIPUR
JHALAWAR
PRATAPGARH
DUNGARPUR
BANSWARA

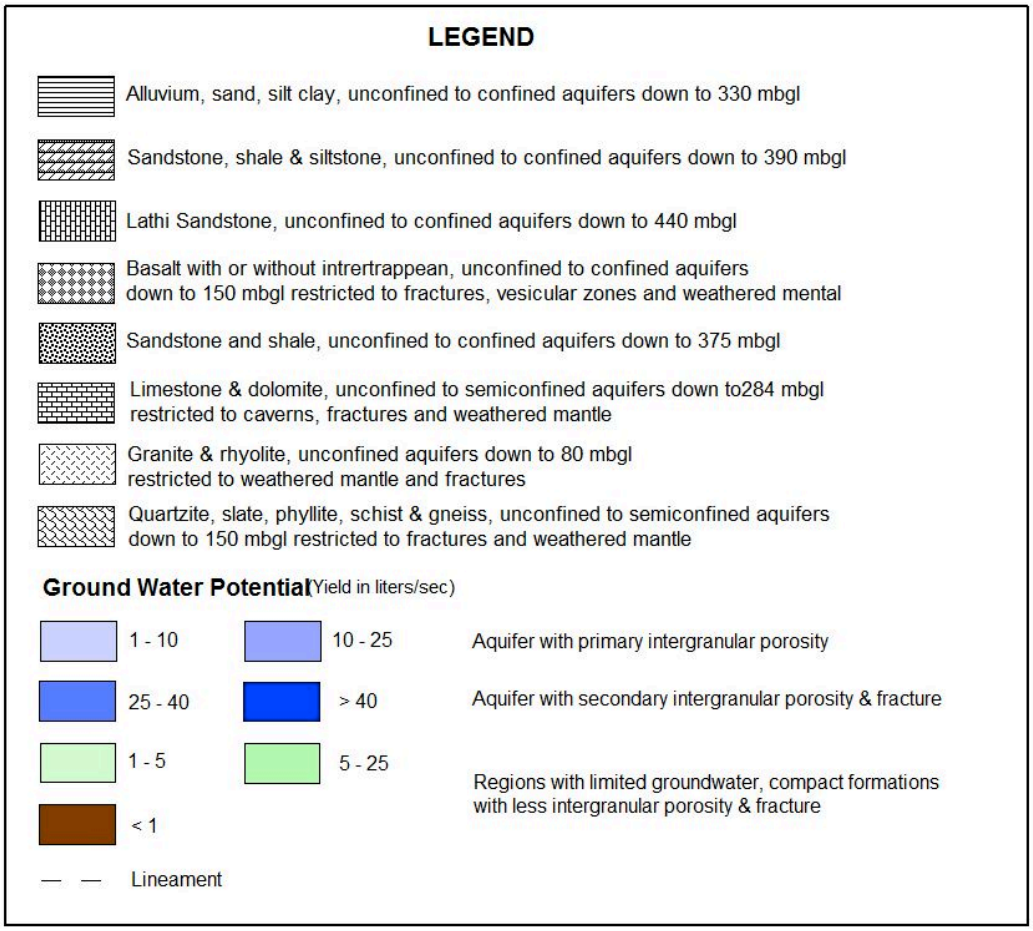

LEGEND
Alluvium, sand, silt clay, unconfined to confined aquifers down to 330 mbgl
Sandstone, shale & siltstone, unconfined to confined aquifers down to 390 mbgl
Lathi Sandstone, unconfined to confined aquifers down to 440 mbgl
Basalt with or without intrertrappean, unconfined to confined aquifers down to 150 mbgl restricted to fractures, vesicular zones and weathered mental
Sandstone and shale, unconfined to confined aquifers down to 375 mbgl
Limestone & dolomite, unconfined to semiconfined aquifers down to284 mbgl restricted to caverns, fractures and weathered mantle
Granite & rhyolite, unconfined aquifers down to 80 mbgl restricted to weathered mantle and fractures
Quartzite, slate, phyllite, schist & gneiss, unconfined to semiconfined aquifers down to 150 mbgl restricted to fractures and weathered mantle
Ground Water Potential (Yield in liters/sec)
1 - 10
10 - 25
Aquifer with primary intergranular porosity
25 - 40
> 40
Aquifer with secondary intergranular porosity & fracture
1 - 5
5 - 25
Regions with limited groundwater, compact formations with less intergranular porosity & fracture
< 1
Lineament

Figure – 5

5.1 Porous Formations

The Quaternary sediments comprising younger as well as older alluvium are the most important unconsolidated formations due to their wide-spread occurrence. The sediments are composed of clay, silt, sand, gravel and mixture of concretions etc. Sand, gravel and admixture of these form the potential aquifers in northern, eastern, north-eastern, western and south-western parts of the state. The maximum drilled thickness of alluvium is 543.51 metre below ground level (m bgl) at Anupgarh in Ganganagar district.

The semi-consolidated formations belonging to Palaeozoic, Mesozoic and Cainozoic Groups are composed of siltstone, claystone, sandstone, shale, conglomerate and limestone. Sandstones and limestones form the main aquifers in Jaisalmer, Jodhpur, Barmer and Bikaner districts. Sandstones of Lathi formation are the most potential aquifers in the districts of Jaisalmer, Jodhpur and Barmer.

5. 2 Fissured Formations

Fissured formations, as hydrogeological unit, occupy 32 % area of the state and can be broadly classified into four units.

Consolidated sedimentary rocks, excluding carbonate rocks, include sandstones and shales. In eastern and south-eastern part of the state these belong to Vindhyan Supergroup whereas in western Rajasthan these belong to the Marwar Supergroup.

Igneous and metamorphic rocks of lower Proterozoic age comprise slate, quartzite, phyllite, schist, gneiss and various crystallines of Bhilwara Supergroup. These are mostly found in the districts of Banswara, Dungarpur, Udaipur, Chittorgarh, Bhilwara, Tonk, Jaipur, Alwar and Jhunjhunu in eastern Rajasthan and Nagaur, Churu, Barmer, Jaisalmer, Pali, Jalore, Sirohi and Jodhpur districts in western Rajasthan.

Volcanic rocks include Deccan Trap Lava Flows and occur in parts of Barmer, Jhalawar, Chittorgarh and Banswara districts. These are basaltic to doleritic in composition. Occurrence and movement of ground water in these fromations is controlled by the presence of vesicles, extent of weathering, jointing and fracture pattern.

Carbonate rocks include limestone, marble and dolomite of Proterozoic and Upper Palaeozoic to Mesozoic age and occupy parts of Kota, Bundi, Jaipur, Sawai Madhopur and Alwar districts on the eastern side of Aravallis and parts of Nagaur, Bikaner, Jaisalmer and Jodhpur districts in western Rajasthan.

6.0 GROUND WATER REGIME MONITORING

Ground water monitoring is carried out mostly through a network of observation open wells all over the state. A few purpose-built stations (piezometers) have also been installed. These wells serve as permanent hydrograph network stations. The network of observation station is being improved by construction of new purpose-built piezometers. This will provide a better scientific environ, represent the true state of water levels and an even distribution of observation stations in the state.

At present the National Hydrograph Network Stations are being monitored four times a year simultaneously throughout the state on the under-mentioned dates:

May : 20th to 30th of the month - Represent water level of Premonsoon period

August : 20th to 30th of the month - Represent peak water level of Monsoon period

November: 1st to 10th of the month - Represent water level of Post-monsoon period

January : 1st to 10th of the month - Represent water level during irrigation period

Water sample are collected from each of the network station during May (Premonsoon) every year to evaluate the changes in quality regime of ground water.

6.1 Distribution of the National Hydrograph Stations:

A total of 1111 stations were monitored in the entire state. Arrangements for selection of alternative sites in place of dried up dug wells and cleaning & rehabilitation of piezometres that have been damaged due to tempering by ignorance are being made. Out of 1111 NHS, open dug-wells were 734 and piezometers 377. The district-wise distribution of hydrograph stations is in Table -1. For computation of unit area per NHS, the effective area is arrived at by subtracting the forest and hill area from total geographical area. Thus on an average one NHS represents 308 sq km. The density of the stations is considered to be low. The net-work is therefore under redesigning and alternative new stations shall be set-up within few year timeframe to bring the net-work to a near optimal level.

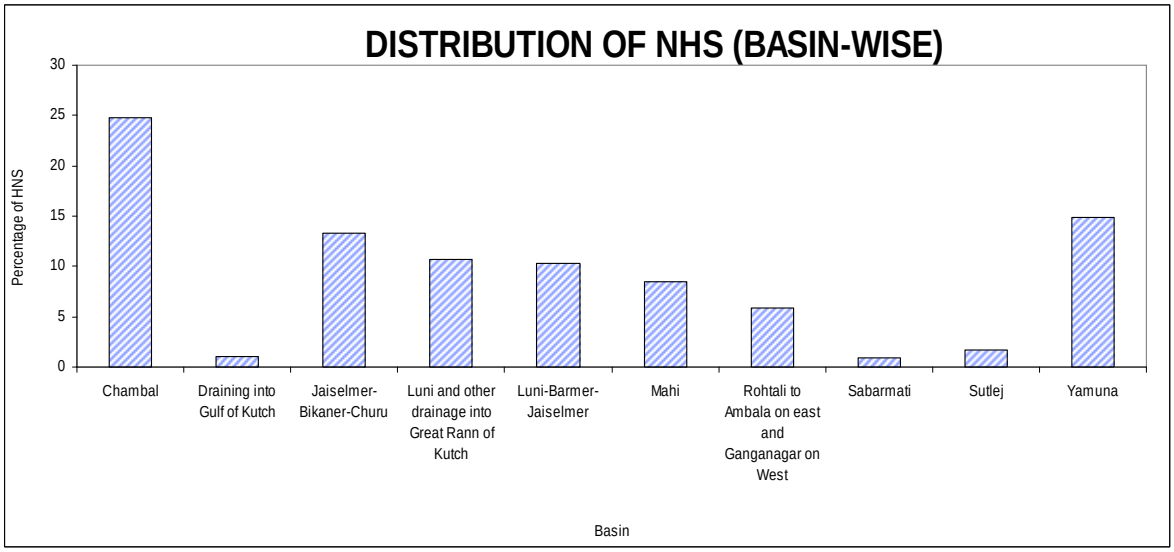


Figure – 6

In all there are 10 main river basins in the state. The distribution od NHS (Basin-wise) and percentage of NHS is shown in figure-6. The correlation between percentage geographical area of river basin and percentage of NHS in each basin closely match except in the zone of inland drainage. This is because of the fact that the districts of western Rajasthan viz. Barmer, Bikaner, Jaisalmer, Nagaur and Churu occupying 35 % of the total geographical area of the state are thinly populated. Hence the population of ground water structures is also less as compared to other parts.

The distribution of NHS in the state in major hydrogeological units is given in Table-5.

TABLE - 5: DISTRIBUTION OF HYDROGRAPH NETWORK STATIONS IN DIFFERENT HYDROGEOLOGICAL UNITS

AGE	FORMATION	TYPE	Area		NHS		Density
			Sq. km	%	No.	%	Sq. km/Station
Quarternary	Blown Sand, Recent older alluvium	Unconsolidated	145954	42.65	495	44.55	295
Tertiary-Upper Palaozoic	Sandstone, Siltstonme, Shale, Limestone	Semi Consolidated	36468	10.66	74	6.66	493
Mesozoic	Basalt, Intrertrapeans	Effusive	9092	2.66	38	3.42	239
Proterozoic	Limestone, Dolomite	Sedimentaries	10189	2.98	23	2.07	443
	Sandstone, Shale	Sedimentaries	51116	14.94	135	12.15	379
Lower Proterozoic	Quartzite, Phyllite,Schist, Gneiss,Marble	Meta-sediments	73493	21.47	308	27.72	239
Archaeon	Granite, Metamorphics	Basal Crystallines	16741	4.89	38	3.42	441
RAJASTHAN TOTAL			342239	100.00	1111	100.00	308

Out of 1,111 NHS, 44.55 % are in unconsolidated formation of Quaternary age and 6.66 % in semi-consolidated formations of Tertiary and Upper Palaozoic age. The consolidated formations have 48.79 % of the total NHS.

6.2 Analysis of data

The water levels reflect the cumulative effect on ground water regime as a consequence of natural recharge - discharge conditions and artificial draft. Where the draft exceeds the recharge, its manifestation is reflected in the decline of water levels. The hydrograph clearly shows the period of recharge and discharge.

Water level data, collected four times a year, is subjected to analysis for bringing out changes in water levels i.e. rise / fall and trend in the water levels.

6.2.1 Hydrograph analysis

(i) Comparison of hydrograph with rainfall and draft

6.2.2 Water level analysis

(i) Depth to water level

(ii) General range of water level fluctuation as compared with previous measurement

(iii) Water level data of specific period as compared with corresponding water level data in the previous year

(iv) Comparison of water level data with the mean water level data of the preceding decade

7.0 ANALYSIS OF COMPOSIT HYDROGRAPH SHOWING INTER-RELATIONSHIPS OF GROUND WATER LEVELS, RAINFALL AND GROUND WATER DRAFT

Ground water system in the state of Rajasthan has become extremely vulnerable to the overuse and water quality degradation. Since the volume of ground water in storage varies both in space and time in accordance with the hydrometeorological and hydrogeological domain conditions together with the external stress loaded on it as per the ground water requirements of various sectors like agriculture, drinking water needs and industrial uses, therefore the net impact imparted on the ground water system need to be studied closely and critically by analysing the behavioural pattern of ground water levels in the light of rainfall as input and extraction of ground water as output.

A composit well-hydrograph has been prepared which incorporates trends of water level during premonsson (May each year) and post monsoon (November each year) from 1989 to 2014 and rainfall histrograms for the corresponding year, the data of ground water draft for the same periods have also been introduced. Regressions trend in respect of premonsoon and postmonsoon water levels over the period 1989-2014 has been worked out to predict the water level at certain interval of time, given the depth of water level at the stage of calculation. A few stations are presented in Fig. 7.1 to 7.8.

The behavioural pattern of the hydrographs can be grouped into three categories:

- Hydrographs of wells falling in hard rock areas
- Hydrographs of wells falling in alluvial area
- Hydrograph of wells falling in canal - irrigated command area

In the first category, the composite hydrograph reveals falling trend in the water levels of premonsoon period as well as post monsoon period over long span from 1989 to 2014 with increasing trend of the ground water draft. At Kalsera **(Fig. 7.1)**, Pisangan block, district Ajmer shows that there has been long-term marginal declining trend in pre monsoon as well as post monsoon period with increase draft which was 19.28 mcm in 1991 has increases to 110.86 mcm in 2007.

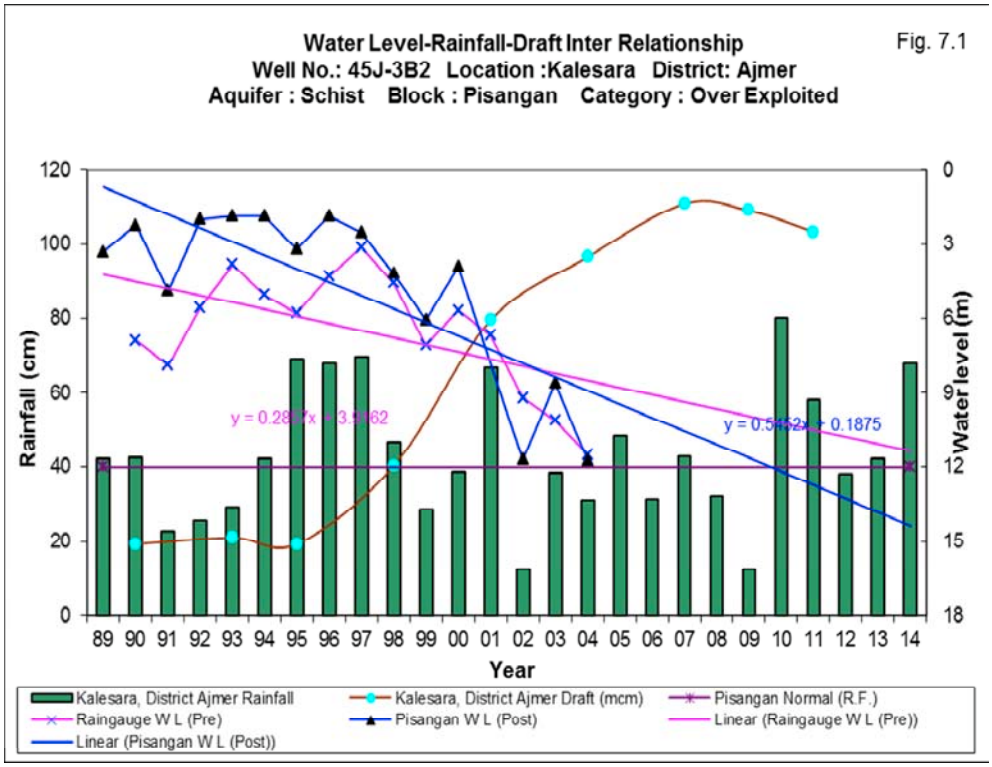
There has been marginal decline in pre-monsoon as well as post-monsoon period at Arthuna **(Fig. 7.2)**, block Garhi in district Banswara though there was many times increase in draft from 0.8 mcm in 1995 to 21.15 mcm during 2007 and decreases to 3.86 mcm in 2011.

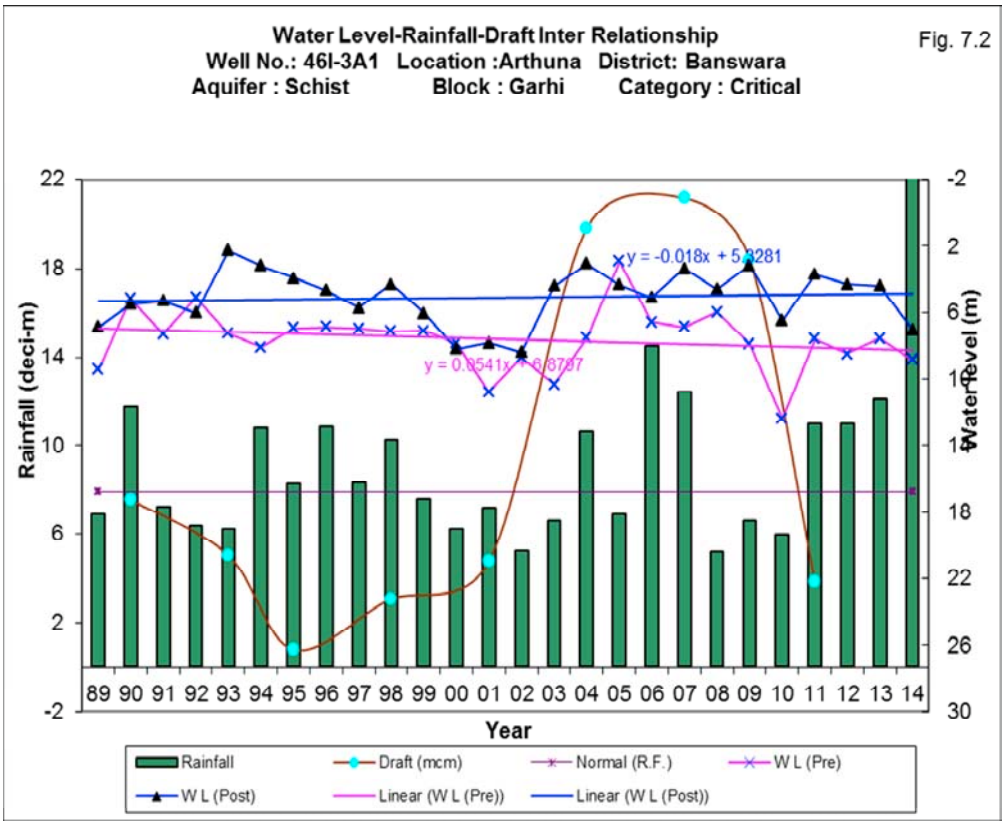
The aquifers tapping sandstone have revealed that there has been significant decline of premonsoon and post monsoon water levels, caused due to increasing ground water draft. For example well located at Kalyansar **(Fig. 7.3)**, Block Bikaner, district Bikaner , the ground water draft of 11.4 mcm had gone up to 96.08 mcm (about nine times) during 2009. This will give sharp decline trend both pre - post monsoon water levels.

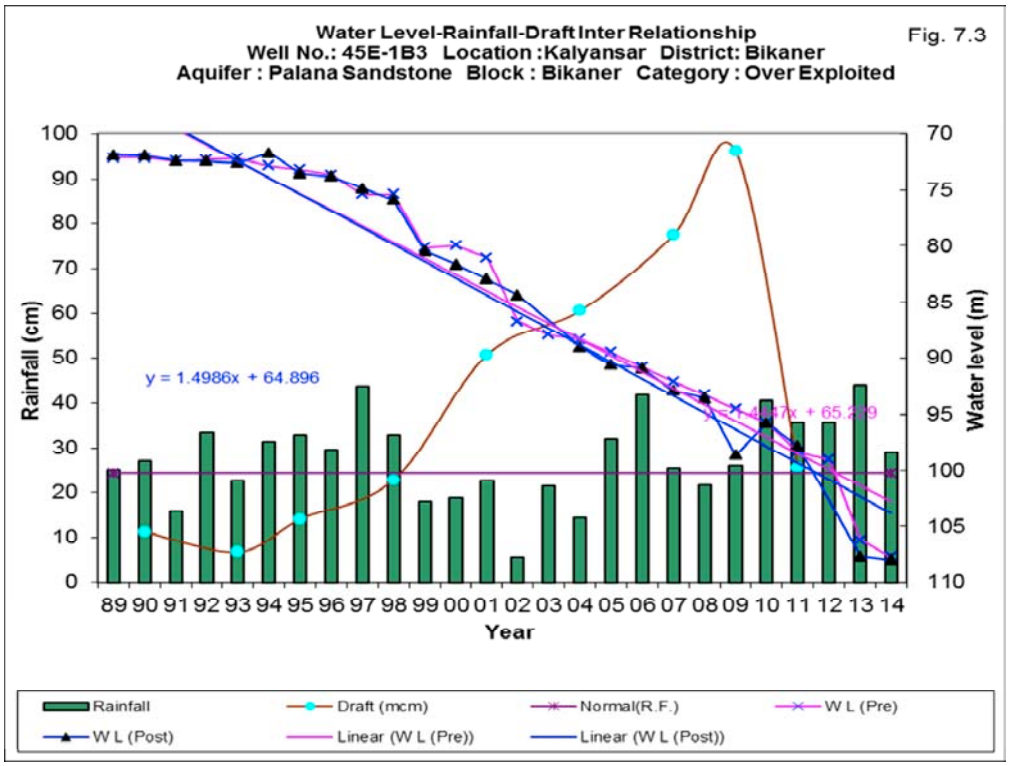
In the second category of hydrographs i.e. hydrographs of wells tapping alluvial aquifers, the decline of pre-monsoon as well as post-monsoon water levels are caused due to increasing ground water draft.

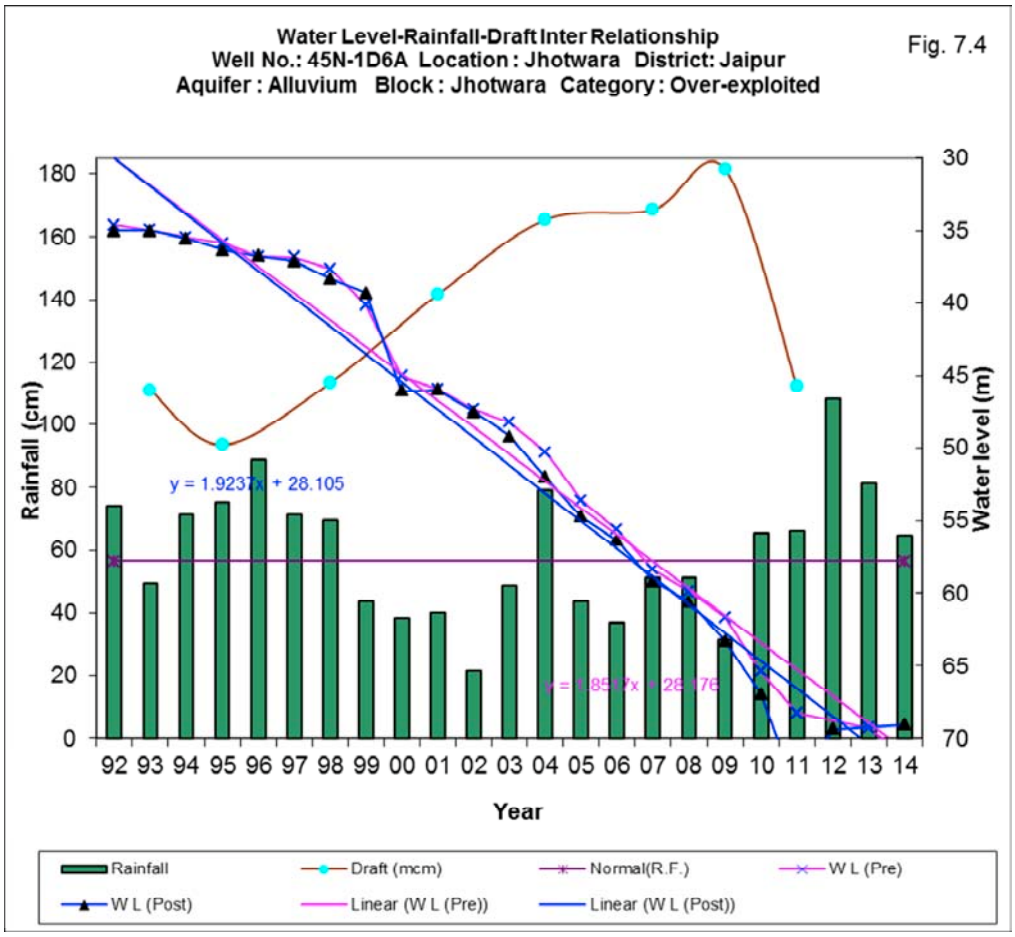
A typical case is reflected from the composit hydrograph of Jhotwara **(Fig. 7.4)** well (Jhotwara block of Jaipur district). The ground water draft curve is hyperbolic as the withdrawal rate of ground water was stepped up from 93.53 mcm in 1995 to 118.43 mcm during 2009. The result is reflected in the decline of both the post–monsoon and pre-monsoon water levels.

The wells located at Kotputli **(Fig. 7.5)**, Jaipur district the steepening in the declining water level trend from 1995 to 2014 in respect of pre-monsoon and post-monsoon are mainly caused by accentuated withdrawal of ground water from 40.99 mcm during 1995 to 80.04 mcm during 2011.



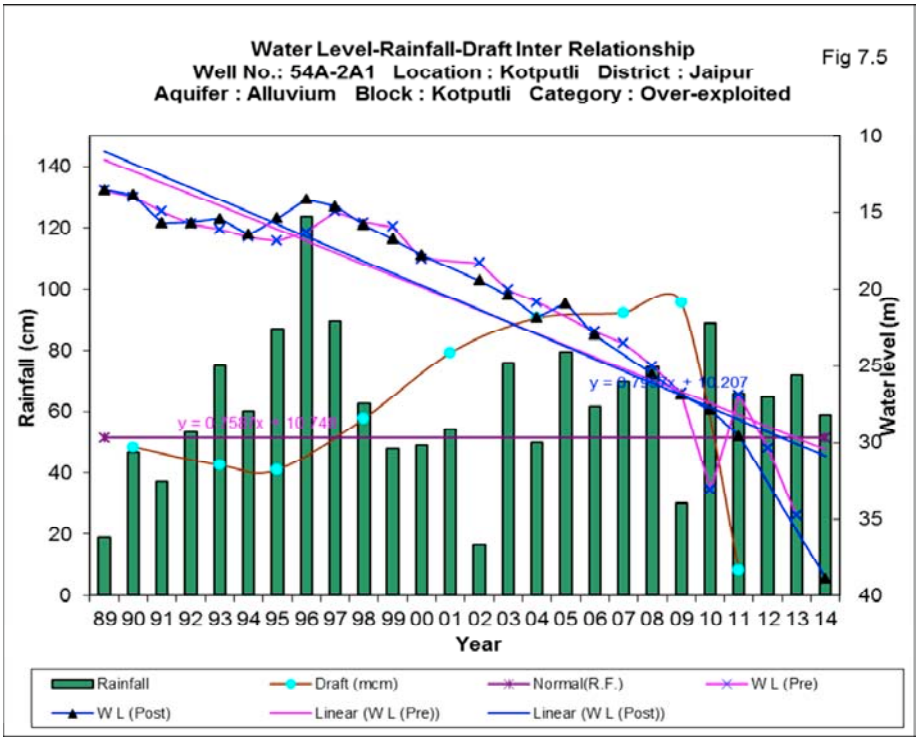

Water Level-Rainfall-Draft Inter Relationship
Well No.: 46I-3A1 Location :Arthuna District: Banswara
Aquifer : Schist Block : Garhi Category : Critical
Fig. 7.2
Rainfall (deci-m)
Water level (m)
Year
y = -0.018x + 5.8281
y = 0.8541x + 6.8787
Rainfall
Draft (mcm)
Normal (R.F.)
W L (Pre)
W L (Post)
Linear (W L (Pre))
Linear (W L (Post))

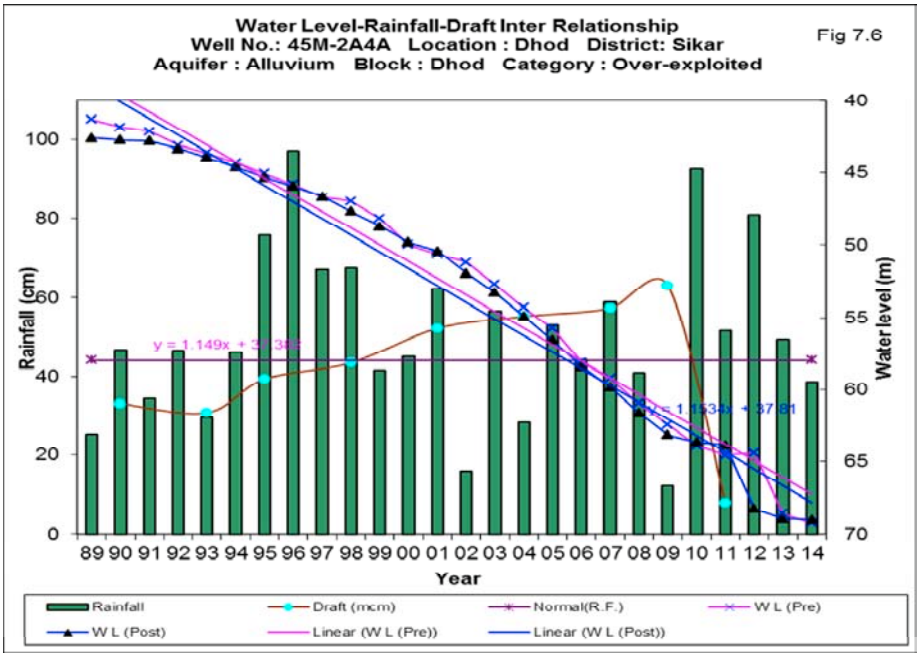

Water Level-Rainfall-Draft Inter Relationship
Well No.: 45E-1B3 Location :Kalyansar District: Bikaner
Aquifer : Palana Sandstone Block : Bikaner Category : Over Exploited
Fig. 7.3
Rainfall (cm)
Water level (m)
Year
y = 1.4986x + 64.896
Rainfall
Draft (mcm)
Normal(R.F.)
W L (Pre)
W L (Post)
Linear (W L (Pre))
Linear (W L (Post))

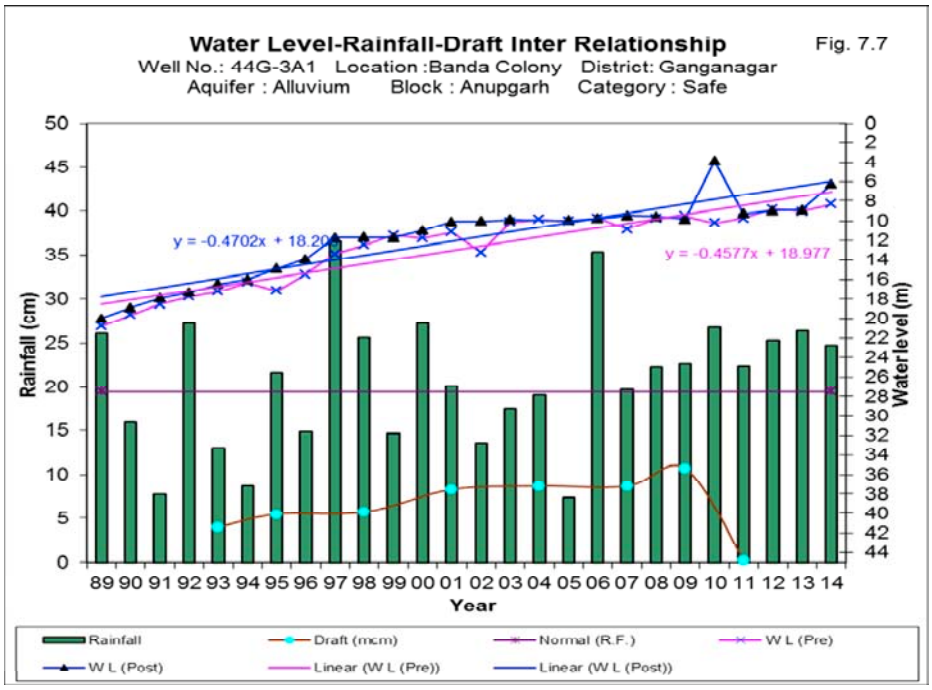


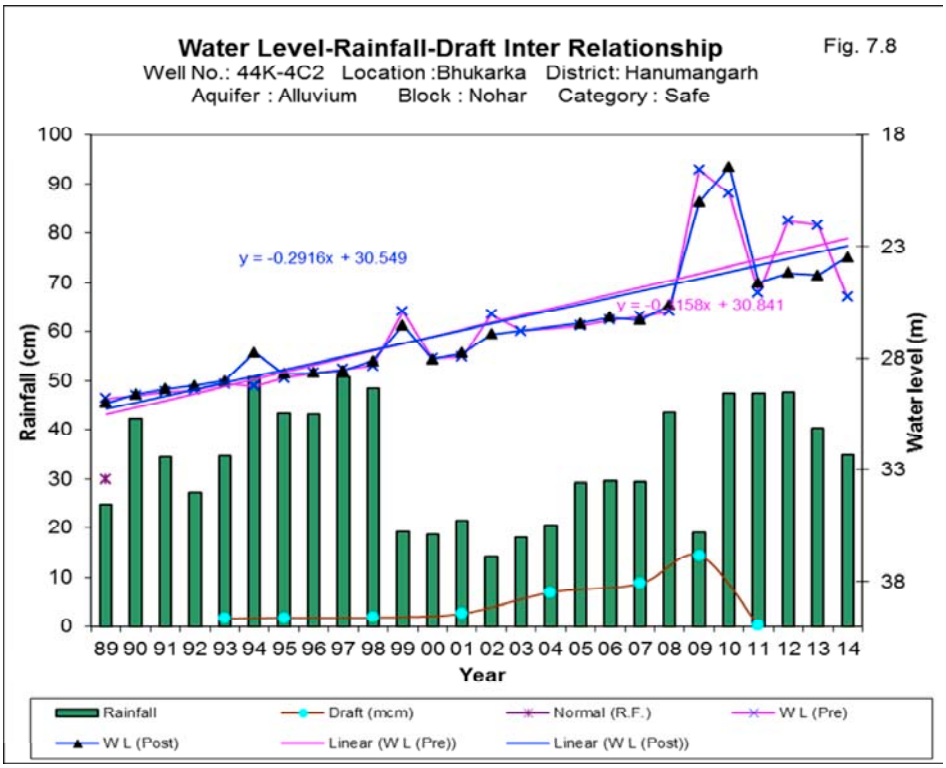
The rainfall histogram between these periods indicates rainfall precipitation in excess of normals. Identical situations and resulting scenario are observed in alluvial aquifer at Dhod (Fig. 7.6), Sikar district.

The third category of well hydrographs reflect influence of canal irrigation and resultant increase in ground water level despite substantial over draft of ground water which has been increasing gradually over the time. Such locations for instance are at Banda Colony (Fig. 7.7, Block Anupgarh, district Ganganagar) and Bhukarka (Fig. 7.7, block, Nohar, district Hnumangarh).


Water Level-Rainfall-Draft Inter Relationship
Well No.: 54A-2A1 Location : Kotputli District : Jaipur
Aquifer : Alluvium Block : Kotputli Category : Over-exploited
Fig 7.5
Rainfall (cm)
Water level (m)
Year
89 90 91 92 93 94 95 96 97 98 99 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14
Rainfall
Draft (mcm)
Normal(R.F.)
W L (Pre)
W L (Post)
Linear (W L (Pre))
Linear (W L (Post))


Water Level-Rainfall-Draft Inter Relationship
Well No.: 45M-2A4A Location : Dhod District: Sikar
Aquifer : Alluvium Block : Dhod Category : Over-exploited
Fig 7.6
Rainfall (cm)
Water level (m)
Year
89 90 91 92 93 94 95 96 97 98 99 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14
Rainfall
Draft (mcm)
Normal(R.F.)
W L (Pre)
W L (Post)
Linear (W L (Pre))
Linear (W L (Post))


Water Level-Rainfall-Draft Inter Relationship
Fig. 7.7
Well No.: 44G-3A1 Location :Banda Colony District: Ganganagar
Aquifer : Alluvium Block : Anupgarh Category : Safe
y = -0.4702x + 18.20
y = -0.4577x + 18.977
Rainfall (cm)
Waterlevel (m)
Year
Rainfall
Draft (mcm)
Normal (R.F.)
W L (Pre)
W L (Post)
Linear (W L (Pre))
Linear (W L (Post))


Water Level-Rainfall-Draft Inter Relationship
Fig. 7.8
Well No.: 44K-4C2 Location :Bhukarka District: Hanumangarh
Aquifer : Alluvium Block : Nohar Category : Safe
y = -0.2916x + 30.549
y = -0.2158x + 30.841
Rainfall (cm)
Water level (m)
Year
Rainfall
Draft (mcm)
Normal (R.F.)
W L (Pre)
W L (Post)
Linear (W L (Pre))
Linear (W L (Post))

8.0 GROUND WATER SCENARIO

Systematic and regular monitoring of ground water levels brings out the changes taking place in the groundwater regime. The maps so generated are of immense help for regional groundwater flow modelling which serves as a groundwater management tool to provide the necessary advance information to the user agencies to prepare contingency plans in case of unfavorable groundwater recharge situation. The data also has immense utility in deciding the legal issues arising out of conflicting interests of groundwater users.

Water level data of the NHS collected during the year 2014 – 2015 has been utilized to prepare various maps showing depth to water level and fluctuation of water level. Depth to water level maps are useful in dealing with problems of water logging and artificial recharge, where the relative position of water level with reference to the ground surface is of critical importance. Water level fluctuation maps (rise or fall) are indispensable for estimation of change in storage in the aquifer.

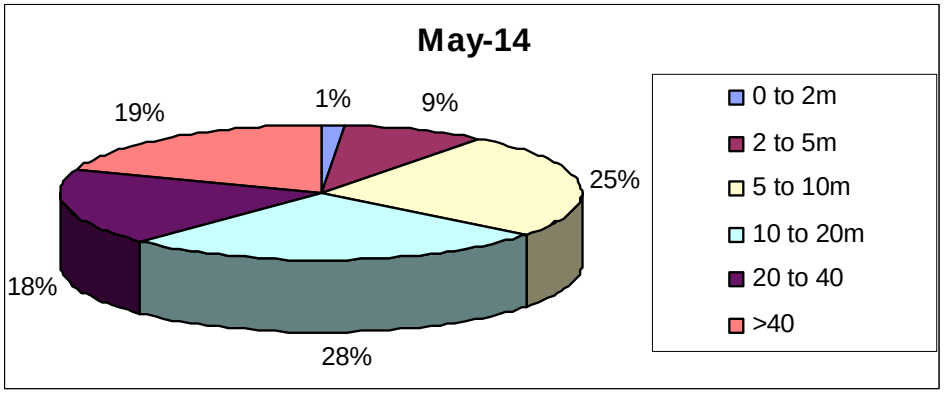
The water level data of open wells and piezometers are presented in the Annexure-I. The data is analysed for each set of measurement, and report prepared which include following maps to understand the groundwater regime in the State.

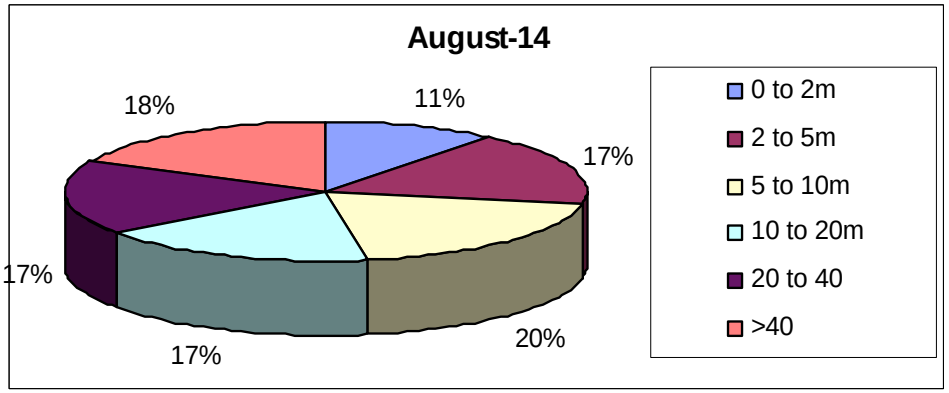
- Depth to water level maps
- Seasonal fluctuation maps- water level fluctuation in comparison to pre-monsoon.
- Annul fluctuation maps - water level fluctuation in comparison to same month in the previous year.
- Decadal fluctuation maps - water level fluctuation in the month of measurement with reference to the decadal average for the same month.

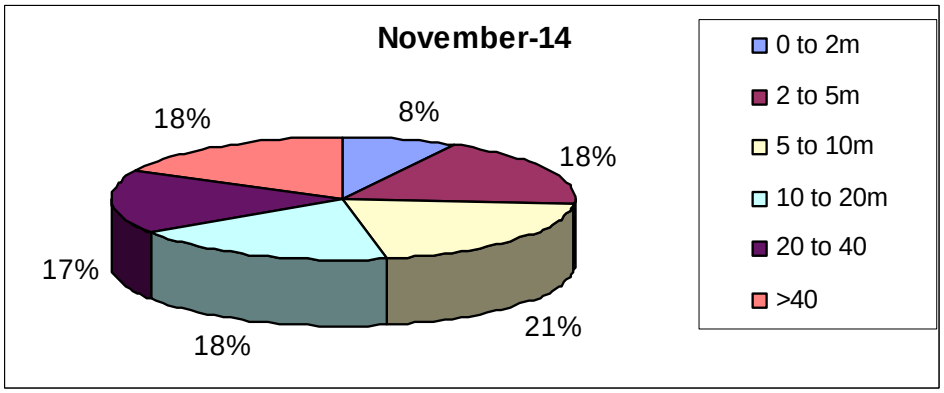
8.1 Depth to Water Level (Unconfined Aquifer)

A analysis was done to understand the water level behaviours of the NHS stations in the different categories of the water levels during every monitoring period and the same is depicted in **Fig. 8.1**. Shallow water level 0 to 2 m

DISTRIBUTION OF WELLS IN DIFFERENT CATEGORIES OF WATER LEVELS (2014-2015)







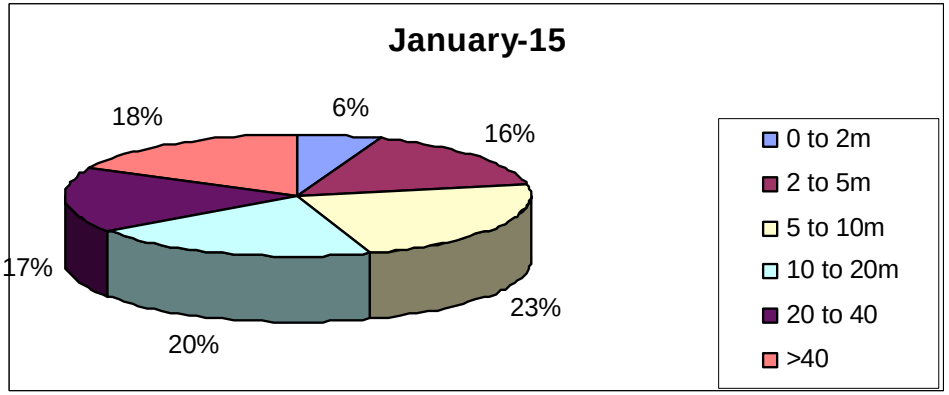


Figure – 8.1

bgl observed in 2% to 14% of majority of stations whereas deeper water level recorded in 17% to 18% of the stations in the year 2013-14.

8.1.1 May 2014

A perusal of the map (Fig-8.2) and Table- 6 reveals that large patches of water levels of more than 40 m bgl exist in the north western parts of the state extending from north east to south west direction. Water levels deeper than 40 m bgl have been recorded in 20% of stations falling mostly in the districts of Jaisalmer, Jodhpur, Bikaner, Jaipur, and Sikar. South Eastern half of the State exhibit water level generally less than 20 m bgl. Water level less than 2 m bgl have been observed in isolated patches and scattered mostly in the south Eastern parts of the State. About 89.6% of stations recorded water level between 5 to 40 mbgl. The deepest water level 112.85 m bgl has been recorded at Sadhsar in Bikaner district.

8.1.2 August 2014

A perusal of the map (Fig-8.3) and Table -7 reveals that large patches of water levels of more than 40 m bgl exist in the northern half of the state extending from north east to south west direction. Water level deeper than 40 m bgl have been recorded in 18% of stations falling mostly in the districts of Jaisalmer, Barmer, Jodhpur, Bikaner, Jhunjhunu , Jaipur, Nagaur, Sikar and Churu. South Eastern half of the State exhibit water level generally less than 20 m bgl. Water level less than 2 m bgl have been observed in isolated patches and scattered mostly in the Southern and South- Eastern parts of the State. Water level in the range of 10 to 20m & 20 to 40 m are recorded in almost in equal percentage of stations (17%). The deepest water level 113.7 m bgl has been recorded at Sadhsar in Bikaner district.

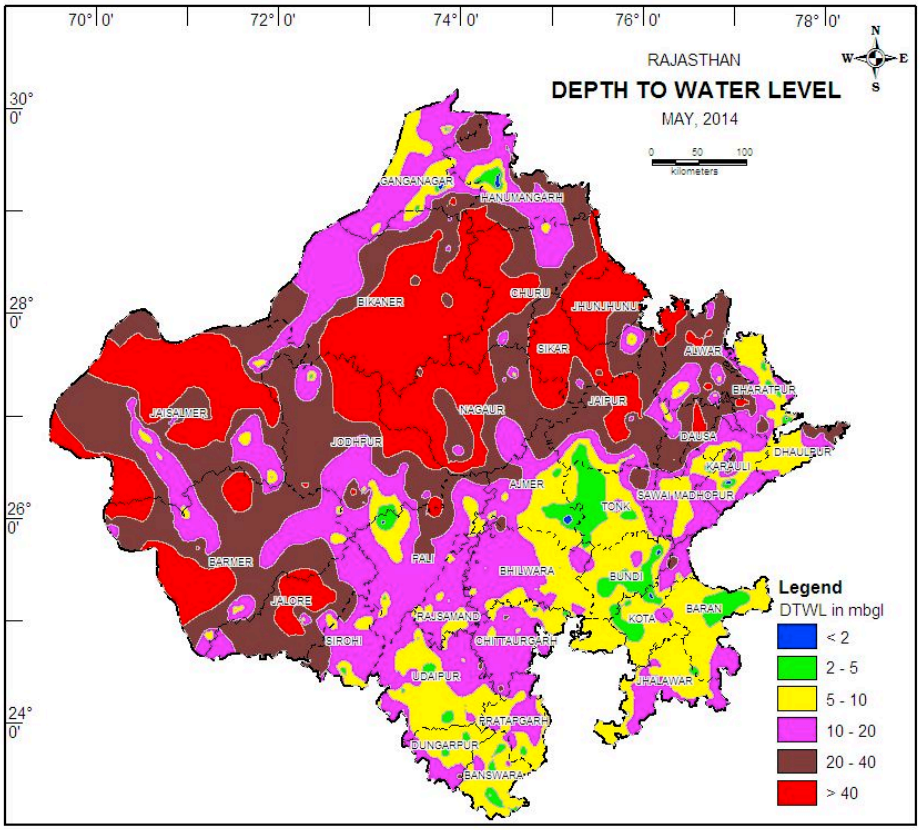


Figure : 8.2

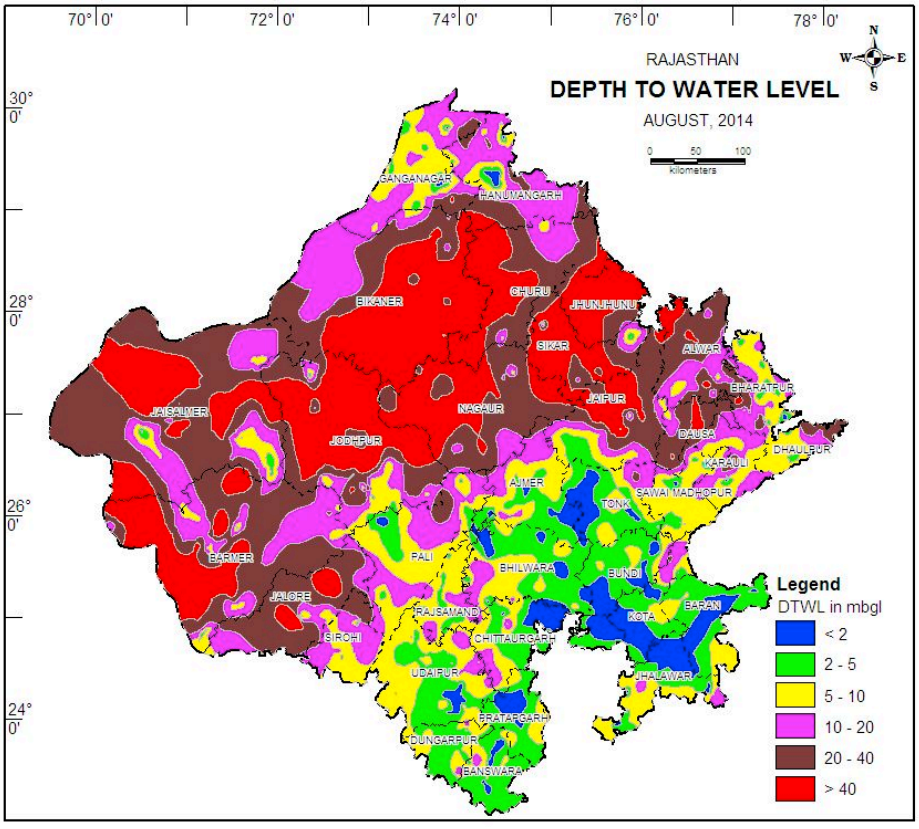


Figure : 8.3

Table - 6

WELL WISE CATEGORISATION OF DEPTH TO WATER LEVEL - MAY 2014

District	No of well analysed	DTWL mbgl		No of well in different Ranges					
		Min	Max	0 to 2 (m)	2 to 5(m)	5 to 10(m)	10 to 20(m)	20 to 40(m)	>40(m)
AJMER	28	0.84	27.35	1 3.57%	4 14.29%	13 46.43%	7 25.00%	3 10.71%	0 0.00%
ALWAR	33	4.3	70.86	0 0.00%	1 3.03%	2 6.06%	8 24.24%	14 42.42%	8 24.24%
BANSWARA	29	1.7	16.65	1 3.4%	6 20.7%	18 62.1%	4 13.8%	0 0.0%	0 0.0%
BARAN	14	2.73	15.15	0 0.00%	5 35.71%	8 57.14%	1 7.14%	0 0.00%	0 0.00%
BARMER	40	3.8	79.05	0 0.0%	3 7.5%	4 10.0%	12 30.0%	13 32.5%	8 20.0%
BHARATPUR	37	1.34	48.87	1 2.70%	5 13.51%	17 45.95%	7 18.92%	5 13.51%	2 5.41%
BHILWARA	26	3.4	21.1	0 0.00%	2 7.69%	9 34.62%	13 50.00%	2 7.69%	0 0.00%
BIKANER	54	6.89	112.85	0 0.00%	0 0.00%	1 1.85%	15 27.78%	12 22.22%	26 48.15%
BUNDI	11	0.8	13.49	1 9.09%	6 54.55%	3 27.27%	1 9.09%	0 0.00%	0 0.00%
CHITTAURGARH	14	3.3	21.54	0 0.00%	2 14.29%	3 21.43%	7 50.00%	2 14.29%	0 0.00%
CHURU	28	7.75	74.78	0 0.00%	0 0.00%	2 7.14%	5 17.86%	9 32.14%	12 42.86%
DAUSA	17	7.22	53.88	0 0.00%	0 0.00%	4 23.53%	4 23.53%	5 29.41%	4 23.53%
DHAULPUR	14	4.97	35.1	0 0.00%	1 7.14%	5 35.71%	4 28.57%	4 28.57%	0 0.00%
DUNGARPUR	24	3.52	25.6	0 0.00%	3 12.50%	15 62.50%	5 20.83%	1 4.17%	0 0.00%
GANGANAGAR	40	0.02	43.8	3 7.50%	2 5.00%	12 30.00%	16 40.00%	4 10.00%	3 7.50%
HANUMANGARH	34	0.4	47.75	2 5.88%	1 2.94%	4 11.76%	11 32.35%	12 35.29%	4 11.76%
JAIPUR	39	3.28	102.5	0 0.00%	2 5.13%	5 12.82%	6 15.38%	8 20.51%	18 46.15%
JAISALMER	62	4.39	105.9	0 0.00%	2 3.23%	6 9.68%	8 12.90%	22 35.48%	24 38.71%
JALORE	10	4.56	77.7	0 0.00%	1 10.00%	2 20.00%	0 0.00%	4 40.00%	3 30.00%
JHALAWAR	22	4.58	19	0 0.00%	1 4.55%	13 59.09%	8 36.36%	0 0.00%	0 0.00%
JHUNJHUNU	15	21.8	75	0 0.00%	0 0.00%	0 0.00%	0 0.00%	2 13.33%	13 86.67%
JODHPUR	36	2.56	77.86	0 0.00%	3 8.33%	5 13.89%	10 27.78%	10 27.78%	8 22.22%
KARAULI	14	0.18	34.06	1 7.14%	0 0.00%	7 50.00%	4 28.57%	2 14.29%	0 0.00%
KOTA	17	1.48	26.06	1 5.88%	5 29.41%	5 29.41%	5 29.41%	1 5.88%	0 0.00%
NAGAUR	28	4.57	69.61	0 0.00%	1 3.57%	0 0.00%	5 17.86%	10 35.71%	12 42.86%
PALI	23	1.68	34.58	1 4.35%	2 8.70%	6 26.09%	11 47.83%	3 13.04%	0 0.00%
PRATAPGARH	17	3.78	14.84	0 0.00%	2 11.76%	7 41.18%	8 47.06%	0 0.00%	0 0.00%
RAJSAMAND	27	4.53	21.19	0 0.00%	1 3.70%	8 29.63%	16 59.26%	2 7.41%	0 0.00%
SAWAI MADHOPUR	16	2.75	12.75	0 0.00%	1 6.25%	10 62.50%	5 31.25%	0 0.00%	0 0.00%
SIKAR	30	4.6	73.53	0 0.00%	1 3.33%	0 0.00%	2 6.67%	4 13.33%	23 76.67%
SIROHI	10	2.67	24.11	0 0.00%	2 20.00%	1 10.00%	5 50.00%	2 20.00%	0 0.00%
TONK	16	2.05	31.45	0 0.00%	7 43.75%	5 31.25%	3 18.75%	1 6.25%	0 0.00%
UDAIPUR	41	2.25	22.85	0 0.00%	6 14.63%	18 43.90%	16 39.02%	1 2.44%	0 0.00%
Grand Total	**866**	**0.02**	**112.85**	**12 1.39%**	**78 9.01%**	**218 25.17%**	**232 26.79%**	**158 18.24%**	**168 19.40%**

Table-7

WELL WISE CATEGORISATION OF DEPTH TO WATER LEVEL - AUGUST 2014

District	No of well analysed	DTWL mbgl		No of well in different Ranges					
		Min	Max	0 to 2 (m)	2 to 5(m)	5 to 10(m)	10 to 20(m)	20 to 40(m)	>40(m)
AJMER	31	0.37	14.37	7 22.58%	11 35.48%	8 25.81%	5 16.13%	0 0.00%	0 0.00%
ALWAR	35	5.2	70.12	0 0.00%	0 0.00%	4 11.43%	8 22.86%	16 45.71%	7 20.00%
BANSWARA	40	0.35	16.65	10 25.0%	19 47.5%	10 25.0%	1 2.5%	0 0.0%	0 0.0%
BARAN	14	0.54	8.59	5 35.71%	7 50.00%	2 14.29%	0 0.00%	0 0.00%	0 0.00%
BARMER	56	3.1	99.2	0 0.0%	3 5.4%	10 17.9%	13 23.2%	14 25.0%	16 28.6%
BHARATPUR	39	0.15	46.8	1 2.56%	10 25.64%	14 35.90%	7 17.95%	6 15.38%	1 2.56%
BHILWARA	30	0.6	16.14	7 23.33%	10 33.33%	9 30.00%	4 13.33%	0 0.00%	0 0.00%
BIKANER	54	9.69	113.7	0 0.00%	0 0.00%	1 1.85%	13 24.07%	13 24.07%	27 50.00%
BUNDI	11	0.07	7.34	7 63.64%	1 9.09%	3 27.27%	0 0.00%	0 0.00%	0 0.00%
CHITTAURGARH	16	0.45	20.73	6 37.50%	5 31.25%	2 12.50%	2 12.50%	1 6.25%	0 0.00%
CHURU	34	7.1	74.78	0 0.00%	0 0.00%	2 5.88%	3 8.82%	14 41.18%	15 44.12%
DAUSA	19	4.82	49.7	0 0.00%	1 5.26%	2 10.53%	6 31.58%	6 31.58%	4 21.05%
DHAULPUR	14	3.82	35.52	0 0.00%	1 7.14%	5 35.71%	4 28.57%	4 28.57%	0 0.00%
DUNGARPUR	23	1.36	16.95	1 4.35%	12 52.17%	7 30.43%	3 13.04%	0 0.00%	0 0.00%
GANGANAGAR	40	0.01	42.7	2 5.00%	6 15.00%	12 30.00%	15 37.50%	3 7.50%	2 5.00%
HANUMANGARH	35	0.1	46.6	4 11.43%	2 5.71%	2 5.71%	16 45.71%	8 22.86%	3 8.57%
JAIPUR	41	2.98	76.3	0 0.00%	4 9.76%	7 17.07%	3 7.32%	8 19.51%	19 46.34%
JAISALMER	44	1.55	106.37	1 2.27%	3 6.82%	4 9.09%	7 15.91%	15 34.09%	14 31.82%
JALORE	10	4.2	60.87	0 0.00%	2 20.00%	1 10.00%	1 10.00%	4 40.00%	2 20.00%
JHALAWAR	24	0.23	13.25	10 41.67%	7 29.17%	5 20.83%	2 8.33%	0 0.00%	0 0.00%
JHUNJHUNU	15	23.1	77.11	0 0.00%	0 0.00%	0 0.00%	0 0.00%	2 13.33%	13 86.67%
JODHPUR	52	2.13	107.54	0 0.00%	5 9.62%	10 19.23%	9 17.31%	15 28.85%	13 25.00%
KARAULI	18	0.83	34.06	1 5.56%	0 0.00%	7 38.89%	6 33.33%	4 22.22%	0 0.00%
KOTA	18	0.17	21.86	7 38.89%	6 33.33%	2 11.11%	2 11.11%	1 5.56%	0 0.00%
NAGAUR	31	4.67	71.24	0 0.00%	1 3.23%	0 0.00%	6 19.35%	13 41.94%	11 35.48%
PALI	21	0.48	34.8	2 9.52%	4 19.05%	8 38.10%	5 23.81%	2 9.52%	0 0.00%
PRATAPGARH	14	0.78	9.72	5 35.71%	5 35.71%	4 28.57%	0 0.00%	0 0.00%	0 0.00%
RAJSAMAND	28	1.89	20.12	1 3.57%	11 39.29%	9 32.14%	6 21.43%	1 3.57%	0 0.00%
SAWAI MADHOPUR	17	0.89	10.45	2 11.76%	6 35.29%	8 47.06%	1 5.88%	0 0.00%	0 0.00%
SIKAR	31	-0.6	74.74	2 6.45%	0 0.00%	1 3.23%	1 3.23%	5 16.13%	22 70.97%
SIROHI	14	0.98	36.8	1 7.14%	2 14.29%	3 21.43%	6 42.86%	2 14.29%	0 0.00%
TONK	18	0.91	23.32	10 55.56%	3 16.67%	3 16.67%	1 5.56%	1 5.56%	0 0.00%
UDAIPUR	44	0.1	20.7	8 18.18%	13 29.55%	18 40.91%	4 9.09%	1 2.27%	0 0.00%
Grand Total	**931**	**-0.6**	**113.7**	**100 10.74%**	**160 17.19%**	**183 19.66%**	**160 17.19%**	**159 17.08%**	**169 18.15%**

8.1.3 November 2014

A perusal of the map (Fig-8.4) and Table - 8 reveals that large patches of water levels of more than 40 m bgl have been recorded in 17.85% stations representing north-central part and western part of the state, extending from north east to south west direction, covering major parts of the districts of Barmer, Bikaner, Churu, Jaipur, Jaisalmer Jodhpur ,Jhunjhunu and Sikar districts. South Eastern half of the State, exhibit water level generally less than 20 m bgl. Depth to water level between20 to 40m.bgl. have been recorded in 16.72% stations falling in parts of Jaisalmer, Barmer, Jalore, Sirohi, Jodhpur, Nagaur, Pali, Bikaner, Hanumangarh,Churu, Sikar, Jhunjhunu, Jaipur, Alwar, Bharatpur, and Dhaulpur Districts. Similarly, depth to water level between10 to20 m.bgl. have been recorded in 18.41% stations in these districts including in isolated pockets in Ajmer, Bhilwara, Chittorgarh, , Pratapgarh, Jhalawar, Tonk and Sawai-madhopur District . Depth to water level between 5 to 10 m.bgl. have been recorded in 20.54% stations covering mainly parts of Ajmer, Bhilwara,Bharatpur, Bundi, Dhaulpur, Jhalawar, Sri-Ganganagar' Sawai-madhopur, Tonk, Pali, Sirohi Udaipur and also in isolated pockets of. Banswara, Hanumangarh and Kota Districts. Depth to water level between 2 t0 5 m.bgl. have been recorded in 18.29% stations mainly in parts of Ajmer, Baran, Banswara, Bhilwara, Budi, Dugarpur, Kota, Pratapgarh, Pali, Tonk, Rajsamand and Udipur Districts. Water level less than 2 m bgl have been recorded in 8.19% stations representing isolated pockets in Ajmer, Pali, Bhilwara, Bundi, Baran, Kota, Banswara, Pratapgarh,Udaipur Districts, covering mostly the southern parts of the State and also in isolated pockets of Sri-ganganagar & Hanumangarh Districts in the northernmost part of the State.The deepest water level 115.08 m bgl is recorded at Sadhsar in Bikaner district and shallowest 0.04m at Rawatbhata village in Chittorgarh district.

8.1.4 January 2015

A perusal of the map (Fig-8.5) and Table - 9 reveals that large patches of water levels of more than 40 m. bgl has recorded in 17.81% stations representing north-central and western part of the state, extending from north east to south west direction, covering major parts in the Districts of Barmer, Bikaner, Churu, Jaipur, Jaisalmer, Jalore, Jhunjhunu, Sikar and also in some patches in Barmer, Bharatpur, Dausa, Ganganagar, Hanumangarh, Jodhpur and Nagaur Districts. Depth to water level between 20 to 40 m.bgl. has recorded in 17.12% stations falling in parts of Alwar, Barmer, Bikaner, Churu, Daosa, Dhaulpur, Hanumangarh, Jaisalmer, Jalore, Jodhpur, Karauli, Nagure, Sikar and Sirohi Districts. South Eastern half of the State, exhibit water level generally less than 20 m bgl. Depth to water level between 10 to 20 m bgl. has

recorded in 20.21% stations in all the Districts in isolated pockets except Banswara and Jhunjhunu. Similarly depth to water level between 5 to 10 m bgl. has recorded in 22.60% stations covering Baran, Bhilwara, Chittaurgarh, Dhaulpur, Dungarpur,Jhalawar, Pali, Pratapgarh, Rajsamand, Sawai-madhopur, Udaipur and also in very small isolated pockets in other Districts except Jhunjhunu, Nagaur and Sikar. Depth to water level between 2 t0 5 m.bgl. has recorded in 16.32% stations mainly in parts of Ajmer, Banswara, Baran, Bundi, Dungarpur, Jhalawar, Kota, Pratapgarh, Rajsamand, Sawaimadhopur, Sirohi, Tonk and Udipur Districts. Depth to water level less than 2 m bgl. has recorded in 5.94% stations in isolated pockets representing Ajmer, Banswara, Bhilwara, Bundi, Chittorgarh, Kota, Partapgarh, Tonk and Udaipur Districts, covering mostly the southern parts of the State and also in very small isolated pockets in Baran, Bharatpur. Dungarpur, Hanumangarh, Jhalawar, Karauli, Pali, and Sawaimadhopur Districts.The deepest water level 115.25 m bgl. is recorded at Sadhsar in Bikaner District.

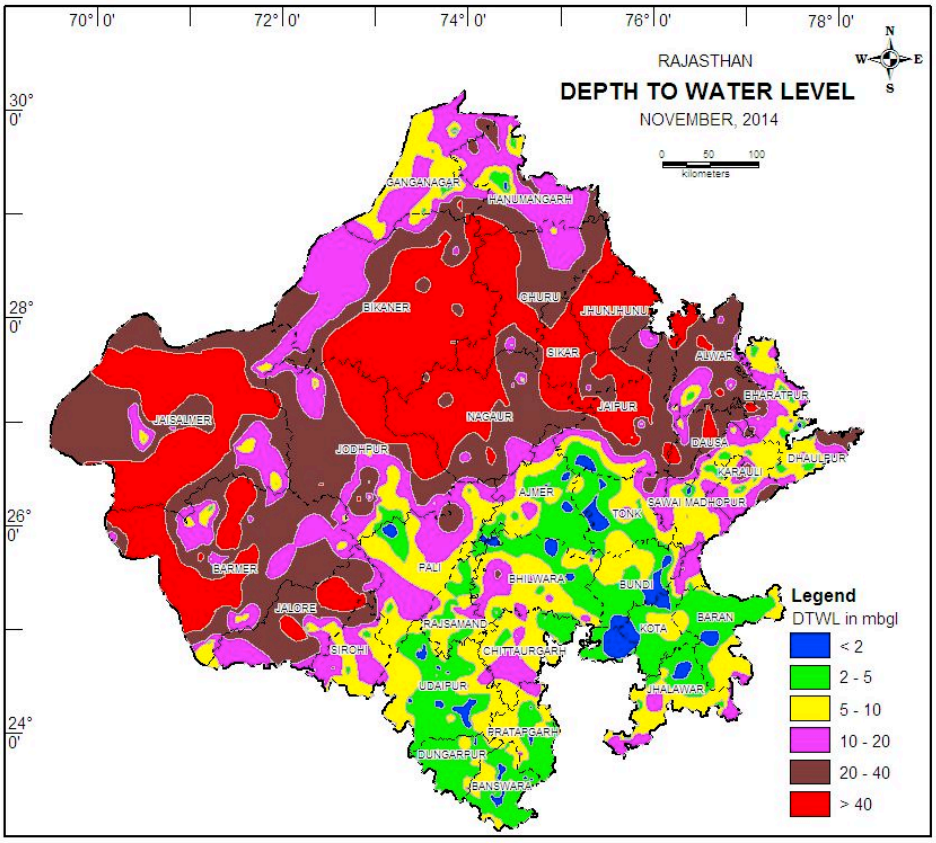


Figure : 8.4

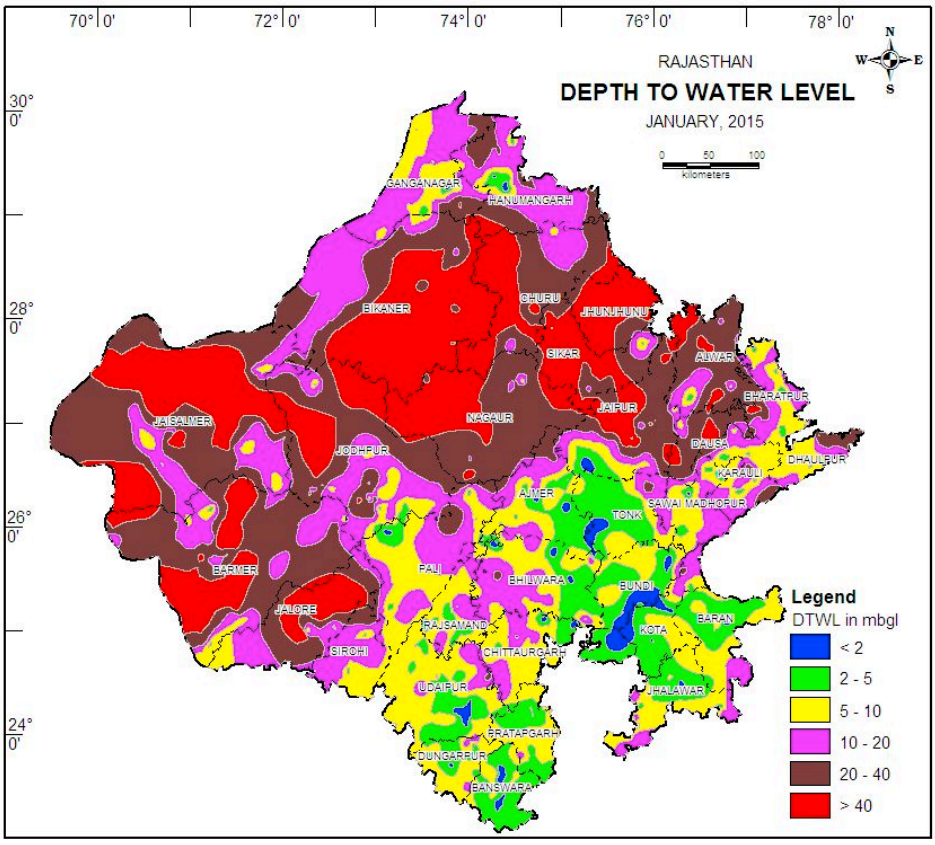


Figure : 8.5

Table - 8

WELL WISE CATEGORISATION OF DEPTH TO WATER LEVEL - NOVEMBER 2014

District	No of well analysed	DTWL mbgl		No of well in different Ranges					
		Min	Max	0 to 2 (m)	2 to 5(m)	5 to 10(m)	10 to 20(m)	20 to 40(m)	>40(m)
AJMER	27	0.21	17.9	6 22.22%	11 40.74%	8 29.63%	2 7.41%	0 0.00%	0 0.00%
ALWAR	36	2.1	72.3	0 0.00%	1 2.78%	2 5.56%	7 19.44%	19 52.78%	7 19.44%
BANSWARA	38	0.21	10.05	12 31.6%	13 34.2%	12 31.6%	1 2.6%	0 0.0%	0 0.0%
BARAN	19	0.27	9.94	2 10.53%	12 63.16%	5 26.32%	0 0.00%	0 0.00%	0 0.00%
BARMER	53	3.14	99.35	0 0.0%	2 3.8%	8 15.1%	14 26.4%	11 20.8%	18 34.0%
BHARATPUR	36	0.7	48.1	2 5.56%	6 16.67%	13 36.11%	12 33.33%	1 2.78%	2 5.56%
BHILWARA	31	0.7	23.23	5 16.13%	9 29.03%	8 25.81%	8 25.81%	1 3.23%	0 0.00%
BIKANER	43	6.84	115.08	0 0.00%	0 0.00%	1 2.33%	12 27.91%	9 20.93%	21 48.84%
BUNDI	11	0.18	9.59	5 45.45%	3 27.27%	3 27.27%	0 0.00%	0 0.00%	0 0.00%
CHITTAURGARH	15	0.04	20.48	2 13.33%	4 26.67%	7 46.67%	1 6.67%	1 6.67%	0 0.00%
CHURU	24	8.61	63.25	0 0.00%	0 0.00%	2 8.33%	4 16.67%	8 33.33%	10 41.67%
DAUSA	21	6.92	55.1	0 0.00%	0 0.00%	4 19.05%	4 19.05%	8 38.10%	5 23.81%
DHAULPUR	13	3.07	39.9	0 0.00%	3 23.08%	2 15.38%	3 23.08%	5 38.46%	0 0.00%
DUNGARPUR	21	1.31	11.16	2 9.52%	15 71.43%	3 14.29%	1 4.76%	0 0.00%	0 0.00%
GANGANAGAR	37	0.61	43	2 5.41%	4 10.81%	10 27.03%	17 45.95%	3 8.11%	1 2.70%
HANUMANGARH	33	0.7	46.05	2 6.06%	2 6.06%	3 9.09%	15 45.45%	9 27.27%	2 6.06%
JAIPUR	45	1	71.83	1 2.22%	3 6.67%	6 13.33%	3 6.67%	10 22.22%	22 48.89%
JAISALMER	46	4.59	106.37	0 0.00%	2 4.35%	5 10.87%	5 10.87%	15 32.61%	19 41.30%
JALORE	11	3.9	62.11	0 0.00%	1 9.09%	2 18.18%	1 9.09%	4 36.36%	3 27.27%
JHALAWAR	26	0.8	18.08	2 7.69%	11 42.31%	9 34.62%	4 15.38%	0 0.00%	0 0.00%
JHUNJHUNU	12	23.6	77.4	0 0.00%	0 0.00%	0 0.00%	0 0.00%	2 16.67%	10 83.33%
JODHPUR	41	2.25	77.31	0 0.00%	5 12.20%	7 17.07%	10 24.39%	12 29.27%	7 17.07%
KARAULI	19	1.33	34.06	1 5.26%	3 15.79%	5 26.32%	6 31.58%	4 21.05%	0 0.00%
KOTA	18	0.5	20.96	5 27.78%	7 38.89%	2 11.11%	3 16.67%	1 5.56%	0 0.00%
NAGAUR	29	4.68	71.24	0 0.00%	1 3.45%	0 0.00%	5 17.24%	12 41.38%	11 37.93%
PALI	22	0.06	35.5	1 4.55%	4 18.18%	9 40.91%	6 27.27%	2 9.09%	0 0.00%
PRATAPGARH	17	1.2	11.4	3 17.65%	7 41.18%	5 29.41%	2 11.76%	0 0.00%	0 0.00%
RAJSAMAND	24	1.33	16.69	1 4.17%	11 45.83%	8 33.33%	4 16.67%	0 0.00%	0 0.00%
SAWAI MADHOPUR	18	0.99	14.67	2 11.11%	3 16.67%	10 55.56%	3 16.67%	0 0.00%	0 0.00%
SIKAR	32	9.42	84	0 0.00%	0 0.00%	1 3.13%	1 3.13%	9 28.13%	21 65.63%
SIROHI	15	1.8	32.6	1 6.67%	1 6.67%	6 40.00%	5 33.33%	2 13.33%	0 0.00%
TONK	17	1.24	25.8	4 23.53%	6 35.29%	4 23.53%	2 11.76%	1 5.88%	0 0.00%
UDAIPUR	41	0.15	18.8	12 29.27%	13 31.71%	13 31.71%	3 7.32%	0 0.00%	0 0.00%
Grand Total	**891**	**0.04**	**115.08**	**73 8.19%**	**163 18.29%**	**183 20.54%**	**164 18.41%**	**149 16.72%**	**159 17.85%**

Table - 9

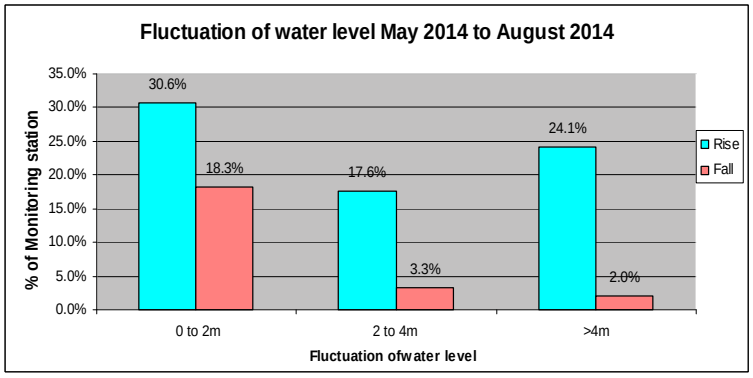
WELL WISE CATEGORISATION OF DEPTH TO WATER LEVEL - JANUARY 2015

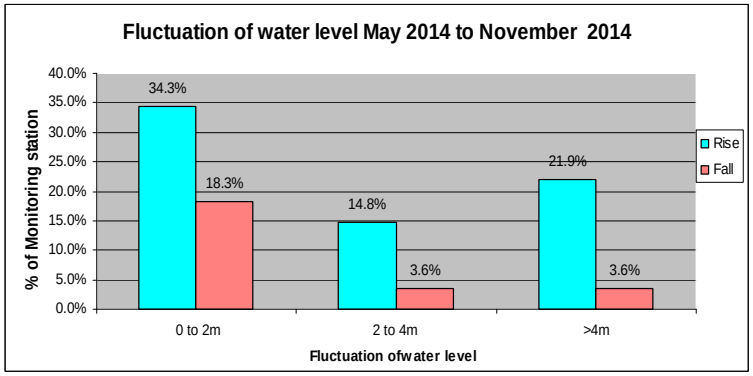
District	No of well analysed	DTWL mbgl		No of well in different Ranges					
		Min	Max	0 to 2 (m)	2 to 5(m)	5 to 10(m)	10 to 20(m)	20 to 40(m)	>40(m)
AJMER	29	0.55	20.8	4 13.79%	11 37.93%	9 31.03%	4 13.79%	1 3.45%	0 0.00%
ALWAR	33	2.45	73.24	0 0.00%	1 3.03%	1 3.03%	5 15.15%	19 57.58%	7 21.21%
BANSWARA	40	0.08	8.15	9 22.5%	20 50.0%	11 27.5%	0 0.0%	0 0.0%	0 0.0%
BARAN	19	1.04	11.52	1 5.26%	10 52.63%	7 36.84%	1 5.26%	0 0.00%	0 0.00%
BARMER	49	3.05	84.9	0 0.0%	2 4.1%	5 10.2%	15 30.6%	12 24.5%	15 30.6%
BHARATPUR	26	1.8	49.45	1 3.85%	5 19.23%	8 30.77%	8 30.77%	2 7.69%	2 7.69%
BHILWARA	32	0.51	23.4	4 12.50%	4 12.50%	12 37.50%	10 31.25%	2 6.25%	0 0.00%
BIKANER	49	8.39	115.25	0 0.00%	0 0.00%	1 2.04%	13 26.53%	12 24.49%	23 46.94%
BUNDI	12	0.22	8.39	5 41.67%	4 33.33%	3 25.00%	0 0.00%	0 0.00%	0 0.00%
CHITTAURGARH	17	0.39	21.58	3 17.65%	1 5.88%	7 41.18%	5 29.41%	1 5.88%	0 0.00%
CHURU	26	8.61	62.78	0 0.00%	0 0.00%	2 7.69%	4 15.38%	10 38.46%	10 38.46%
DAUSA	17	6.97	58.3	0 0.00%	0 0.00%	3 17.65%	2 11.76%	8 47.06%	4 23.53%
DHAULPUR	12	4.62	40.5	0 0.00%	1 8.33%	5 41.67%	3 25.00%	2 16.67%	1 8.33%
DUNGARPUR	23	1.52	16.99	2 8.70%	8 34.78%	9 39.13%	4 17.39%	0 0.00%	0 0.00%
GANGANAGAR	39	0.21	41.1	1 2.56%	3 7.69%	13 33.33%	18 46.15%	3 7.69%	1 2.56%
HANUMANGARH	34	0.4	47.25	3 8.82%	1 2.94%	3 8.82%	15 44.12%	10 29.41%	2 5.88%
JAIPUR	40	0.43	71.37	1 2.50%	2 5.00%	8 20.00%	4 10.00%	8 20.00%	17 42.50%
JAISALMER	47	5.25	112.83	0 0.00%	0 0.00%	7 14.89%	8 17.02%	15 31.91%	17 36.17%
JALORE	9	5	68.31	0 0.00%	1 11.11%	1 11.11%	1 11.11%	2 22.22%	4 44.44%
JHALAWAR	26	1.39	18.71	1 3.85%	11 42.31%	9 34.62%	5 19.23%	0 0.00%	0 0.00%
JHUNJHUNU	21	24.18	82.9	0 0.00%	0 0.00%	0 0.00%	0 0.00%	2 9.52%	19 90.48%
JODHPUR	41	2.45	71.8	0 0.00%	6 14.63%	9 21.95%	9 21.95%	11 26.83%	6 14.63%
KARAULI	18	1.73	35.9	1 5.56%	3 16.67%	5 27.78%	6 33.33%	3 16.67%	0 0.00%
KOTA	17	0.6	23.36	5 29.41%	5 29.41%	4 23.53%	2 11.76%	1 5.88%	0 0.00%
NAGAUR	17	4.67	58.7	0 0.00%	1 5.88%	0 0.00%	3 17.65%	9 52.94%	4 23.53%
PALI	19	1.33	35.56	1 5.26%	3 15.79%	9 47.37%	4 21.05%	2 10.53%	0 0.00%
PRATAPGARH	15	1.9	12.67	2 13.33%	6 40.00%	6 40.00%	1 6.67%	0 0.00%	0 0.00%
RAJSAMAND	26	2.12	20.47	0 0.00%	7 26.92%	12 46.15%	6 23.08%	1 3.85%	0 0.00%
SAWAI MADHOPUR	18	1.07	15.02	1 5.56%	4 22.22%	8 44.44%	5 27.78%	0 0.00%	0 0.00%
SIKAR	36	4.02	79.32	0 0.00%	1 2.78%	0 0.00%	2 5.56%	9 25.00%	24 66.67%
SIROHI	12	3.53	32.37	0 0.00%	2 16.67%	2 16.67%	6 50.00%	2 16.67%	0 0.00%
TONK	14	1.41	23.85	2 14.29%	8 57.14%	2 14.29%	1 7.14%	1 7.14%	0 0.00%
UDAIPUR	42	1	25.35	5 11.90%	12 28.57%	17 40.48%	7 16.67%	1 2.38%	0 0.00%
Grand Total	**875**	**0.08**	**115.25**	**52 5.94%**	**143 16.34%**	**198 22.63%**	**177 20.23%**	**149 17.03%**	**156 17.83%**

8.2 Seasonal Water Level Fluctuation

To study effect of monsoon on the groundwater regime and subsequent utilisation of groundwater for various needs like agriculture, irrigation, Domestic etc., changes in depth to water levels with respect to May data are studied. The change in groundwater in the region over different periods is presented graphically in Fig. 8.6 and a summary of each observation is discussed below.

SEASONAL FLUCTUATION OF WATER LEVEL DURING 2014-2015





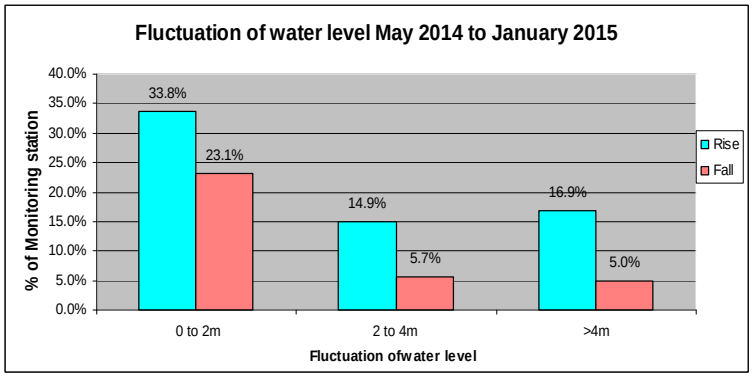


Figure : 8.6

8.2.1 May 2014 to August 2014

Water level fluctuation data during May 2014 to August 2014 is presented in Table -10 and has been depicted in Fig.-8.7. Perusal of the Map and table indicates that about 72% of the stations have registered rise on water levels, out of which 31% stations have recorded rise in the range of 0 to 2m. Rise of more than 4m has been observed in about 24% of the stations falling mostly in Ajmer, Bhilwara, Chittourgarh, Dungarpur, Hanumangarh, Jaipur, Jaisalmer, Jhalawar, Pali, Pratapgarh, Rajsamad, and Udaipur districts. About 18% of the stations have show fall of 0 to 2m mostly in the North Central parts of the districts of Alwar, Barmer, Bharatpur, Bikaner, Churu, Dausa, Jaisalmer, & Sikar. Fall of more than 4 m has been registered in isolated patches and scattered in North Western and North-eastern parts of the State. A maximum rise of 20.10 m has been recorded at Kharkhanda in Chittaurgarh district and maximum fall of 12.95 m has been recorded at Mohanpur Balaji in Jaipur district.

8.2.2 May 2014 to November 2014

Map (Fig. 8.8) and tables - 11 shows about 71.0% of the stations observed rise of water level between the period of May, 2014 and November, 2014. Southern parts mostly covered by hills and mountains experienced the rise in water level. Rise of 0 to 2 m is recorded mainly in Barmer, Bharatpur, Bikaner, Bundi, Sri-Ganganagar, Jaipur,Jodhpur, Kota, Sikar and Tonk Districts whereas rise of 2 to 4 and more then 4 m is observed in 14.8% and 21.9% of stations in patches falling in Ajmer, Alwar, Bhilwara, Chittorgarh, Dungarpur,Jhalawar,Kota, Partapgarh, Rajsamand, Sirohi and Udaipur Districts. The minimum rise of 0.02 m is recorded at Nachna in Jaisalmer and Arniyalmal in Tonk Districts whereas maximum rise of 18.5 m is recorded at Ramgarh2 in Jaisalmer District.

About 18.3% of the stations shows fall of 0 to 2m mostly in the western sandy plain and covered in parts of the districts of Alwar, Bikaner, Churu, Dausa, Hanumangarh, Jaisalmer, Jalor, and Jhunjhunu. Fall of 2 to 4 and more than 4 m occurs in 3.6% (in each category) in isolated patches and scattered in north western half of the State. A minmum fall of 0.01 m is recorded at Sirohi in Sirohi District and maximum fall of 15.43 is recorded at Jalsu in Jaipur District.

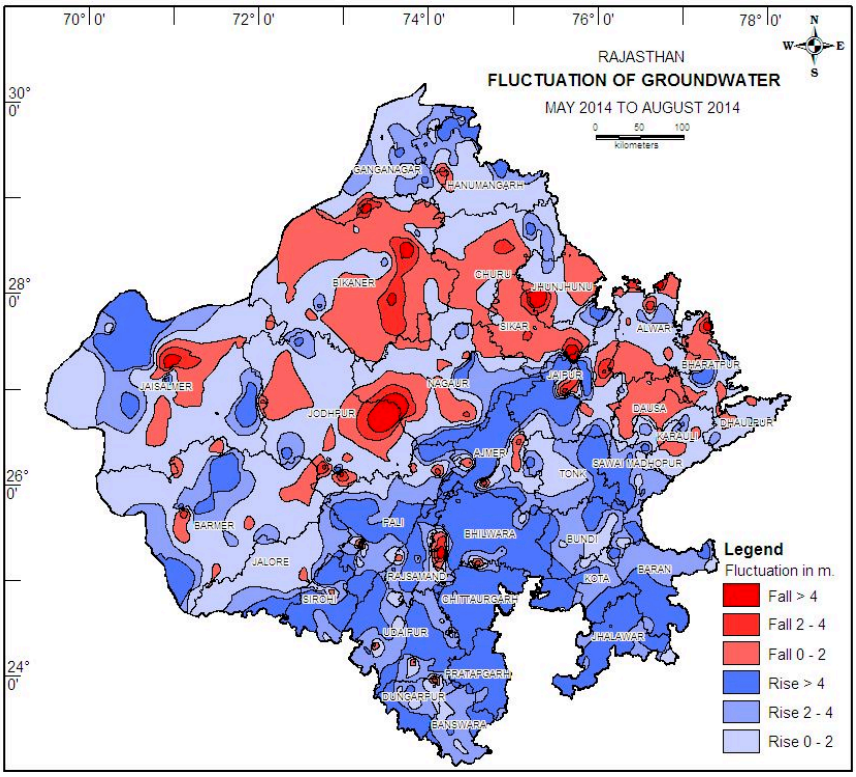


Figure : 8.7

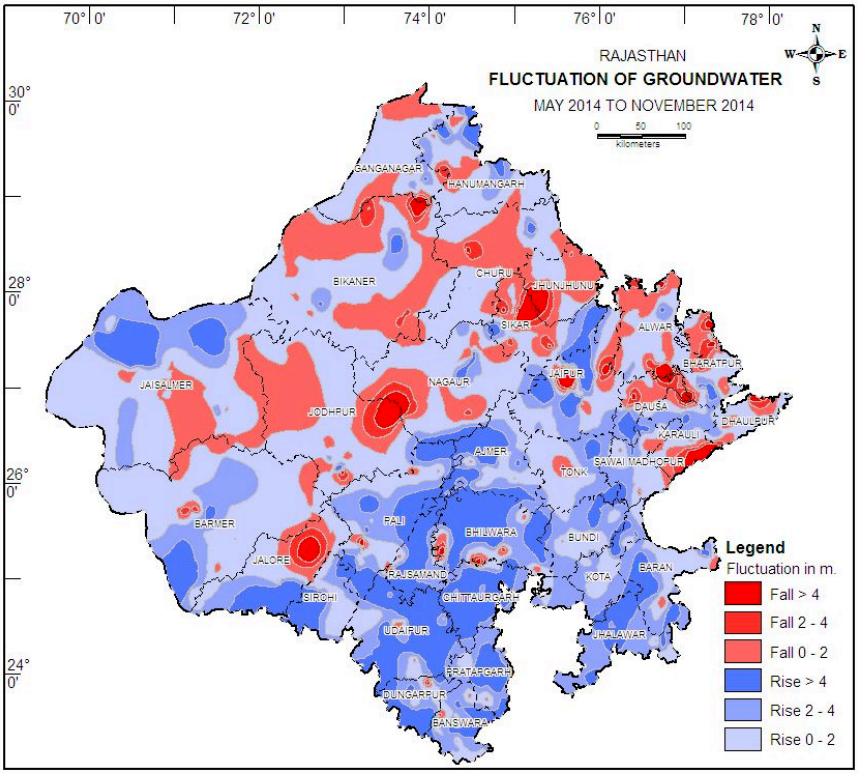


Figure : 8.8

Table - 10

CATEGORISATION OF CHANGES IN WATER LEVEL BETWEEN MAY, 2014 TO AUGUST, 2014														
Sr. No.	District Name	No of well analysed	Range of Fluctuation (m)				No. of Wells Showing Fluctuation						Total No. of Wells	
			Rise		Fall		Rise			Fall				
			Min	Max	Min	Max	0 to 2	2 to 4	>4	0 to 2	2 to 4	>4	Rise	Fall
1	AJMER	28	0.1	18.75	1.96	3.85	8 28.6%	5 17.9%	11 39.3%	1 3.6%	3 10.7%	0 0.0%	24	4
2	ALWAR	33	0.05	4	0.05	6.96	18 54.5%	5 15.2%	0 0.0%	8 24.2%	1 3.0%	1 3.0%	23	10
3	BANSWARA	28	1.15	6.95	-	-	7 25.0%	15 53.6%	5 17.9%	0 0.0%	0 0.0%	0 0.0%	27	0
4	BARAN	13	0.91	7.7	-	-	1 7.7%	7 53.8%	5 38.5%	0 0.0%	0 0.0%	0 0.0%	13	0
5	BARMER	40	0.25	11.76	0.03	3.65	18 45.0%	7 17.5%	5 12.5%	9 22.5%	1 2.5%	0 0.0%	30	10
6	BHARATPUR	37	0.15	10.9	0.2	5.8	16 43.2%	1 2.7%	4 10.8%	12 32.4%	0 0.0%	1 2.7%	21	13
7	BHILWARA	25	0.9	14.6	2.5	6.64	2 8.0%	2 8.0%	18 72.0%	0 0.0%	2 8.0%	1 4.0%	22	3
8	BIKANER	51	0.13	4.55	0.1	9.82	16 31.4%	1 2.0%	1 2.0%	25 49.0%	4 7.8%	3 5.9%	18	32
9	BUNDI	11	0.41	6.15	-	-	5 45.5%	5 45.5%	1 9.1%	0 0.0%	0 0.0%	0 0.0%	11	0
10	CHITTAURGARH	12	2.85	20.1	-	-	0 0.0%	3 25.0%	9 75.0%	0 0.0%	0 0.0%	0 0.0%	12	0
11	CHURU	28	0.19	6.41	0.1	2.74	11 39.3%	1 3.6%	1 3.6%	9 32.1%	1 3.6%	0 0.0%	13	10
12	DAUSA	15	0.1	2.4	0.3	2.4	1 6.7%	1 6.7%	0 0.0%	11 73.3%	2 13.3%	0 0.0%	2	13
13	DHAULPUR	14	0.28	3.25	0.1	0.45	6 42.9%	3 21.4%	0 0.0%	4 28.6%	0 0.0%	0 0.0%	9	4
14	DUNGARPUR	22	0.22	9.21	0.65	4.1	4 18.2%	9 40.9%	7 31.8%	1 4.5%	0 0.0%	1 4.5%	20	2
15	GANGANAGAR	37	0.05	5.75	0.15	3.1	14 37.8%	15 40.5%	2 5.4%	2 5.4%	1 2.7%	0 0.0%	31	3
16	HANUMANGARH	30	0.3	15.95	0.05	0.1	15 50.0%	3 10.0%	7 23.3%	2 6.7%	0 0.0%	0 0.0%	25	2
17	JAIPUR	32	0.3	14.78	0.27	12.95	9 28.1%	2 6.3%	12 37.5%	2 6.3%	2 6.3%	3 9.4%	23	7
18	JAISALMER	41	0.12	18.67	0.03	6.55	19 46.3%	1 2.4%	8 19.5%	8 19.5%	1 2.4%	1 2.4%	28	10
19	JALORE	8	0.1	1.65	0.04	0.37	5 62.5%	0 0.0%	0 0.0%	3 37.5%	0 0.0%	0 0.0%	5	3
20	JHALAWAR	22	1.07	12.51	-	-	1 4.5%	6 27.3%	15 68.2%	0 0.0%	0 0.0%	0 0.0%	22	0
21	JHUNJHUNU	12	0.2	2.6	0.2	9.7	6 50.0%	1 8.3%	0 0.0%	3 25.0%	1 8.3%	1 8.3%	7	5
22	JODHPUR	30	0.04	6.7	0.3	8.42	13 43.3%	2 6.7%	3 10.0%	6 20.0%	1 3.3%	3 10.0%	18	10
23	KARAULI	14	0.02	4.5	0.15	1	5 35.7%	1 7.1%	1 7.1%	5 35.7%	0 0.0%	0 0.0%	7	5
24	KOTA	17	0.32	9.85	-	-	6 35.3%	5 29.4%	6 35.3%	0 0.0%	0 0.0%	0 0.0%	17	0
25	NAGAUR	23	0.15	7.29	0.1	2.4	5 21.7%	1 4.3%	4 17.4%	6 26.1%	1 4.3%	0 0.0%	10	7
26	PALI	21	0.25	9.45	0.22	5.95	5 23.8%	4 19.0%	8 38.1%	2 9.5%	1 4.8%	1 4.8%	17	4
27	PRATAPGARH	13	3.29	13.96	-	-	0 0.0%	3 23.1%	10 76.9%	0 0.0%	0 0.0%	0 0.0%	13	0
28	RAJSAMAND	27	1.55	13.5	1.05	1.05	2 7.4%	9 33.3%	14 51.9%	1 3.7%	0 0.0%	0 0.0%	25	1
29	SAWAI MADHOPUR	16	0.35	6.68	0.45	0.45	6 37.5%	4 25.0%	5 31.3%	1 6.3%	0 0.0%	0 0.0%	15	1
30	SIKAR	28	0.11	7.3	0.3	3.11	4 14.3%	1 3.6%	1 3.6%	20 71.4%	2 7.1%	0 0.0%	6	22
31	SIROHI	9	1.72	12.72	0.18	1.41	1 11.1%	2 22.2%	4 44.4%	2 22.2%	0 0.0%	0 0.0%	7	2
32	TONK	15	0.82	12.71	0.11	0.11	5 33.3%	3 20.0%	6 40.0%	1 6.7%	0 0.0%	0 0.0%	14	1
33	UDAIPUR	40	0.45	17.65	1.83	2.76	8 20.0%	11 27.5%	18 45.0%	1 2.5%	2 5.0%	0 0.0%	37	3
	Grand Total	792	0.02	20.10	0.03	12.95	242 30.6%	139 17.6%	191 24.1%	145 18.3%	26 3.3%	16 2.0%	572	187

Table - 11

CATEGORISATION OF CHANGES IN WATER LEVEL BETWEEN MAY, 2014 TO NOVEMBER, 2014														
Sr. No.	District Name	No of well analysed	Range of Fluctuation (m)				No. of Wells Showing Fluctuation						Total No. of Wells	
			Rise		Fall		Rise			Fall				
			Min	Max	Min	Max	0 to 2	2 to 4	>4	0 to 2	2 to 4	>4	Rise	Fall
1	AJMER	25	0.05	18.37	0.2	0.52	9 36.0%	2 8.0%	11 44.0%	2 8.0%	0 0.0%	0 0.0%	22	2
2	ALWAR	33	0.25	4.6	0.1	13.52	13 39.4%	2 6.1%	1 3.0%	14 42.4%	1 3.0%	2 6.1%	16	17
3	BANSWARA	27	1.1	7.75	0.25	3.1	6 22.2%	13 48.1%	5 18.5%	2 7.4%	1 3.7%	0 0.0%	24	3
4	BARAN	14	0.69	6.25	0.47	1.9	5 35.7%	2 14.3%	5 35.7%	2 14.3%	0 0.0%	0 0.0%	12	2
5	BARMER	37	0.1	7.45	0.02	3.85	18 48.6%	7 18.9%	2 5.4%	8 21.6%	2 5.4%	0 0.0%	27	10
6	BHARATPUR	33	0.15	13.35	0.3	10.15	15 45.5%	2 6.1%	2 6.1%	5 15.2%	1 3.0%	3 9.1%	19	9
7	BHILWARA	24	0.34	13.16	0.7	6.35	1 4.2%	4 16.7%	13 54.2%	2 8.3%	2 8.3%	2 8.3%	18	6
8	BIKANER	42	0.05	6.6	0.1	11.98	21 50.0%	0 0.0%	2 4.8%	14 33.3%	3 7.1%	2 4.8%	23	19
9	BUNDI	11	0.42	5.4	0.14	0.78	5 45.5%	3 27.3%	1 9.1%	2 18.2%	0 0.0%	0 0.0%	9	2
10	CHITTAURGARH	12	1.5	15.6	-	-	1 8.3%	4 33.3%	7 58.3%	0 0.0%	0 0.0%	0 0.0%	12	0
11	CHURU	21	0.1	6.4	0.02	4.75	8 38.1%	1 4.8%	1 4.8%	8 38.1%	0 0.0%	1 4.8%	10	9
12	DAUSA	15	0.3	5.7	0.25	8.8	3 20.0%	0 0.0%	2 13.3%	5 33.3%	3 20.0%	2 13.3%	5	10
13	DHAULPUR	13	0.2	3.65	0.02	4.9	4 30.8%	2 15.4%	0 0.0%	3 23.1%	1 7.7%	2 15.4%	6	6
14	DUNGARPUR	21	0.81	14.44	4.3	4.3	5 23.8%	7 33.3%	8 38.1%	0 0.0%	0 0.0%	1 4.8%	20	1
15	GANGANAGAR	35	0.05	5.01	0.15	3.8	22 62.9%	2 5.7%	1 2.9%	6 17.1%	1 2.9%	0 0.0%	25	7
16	HANUMANGARH	28	0.39	9.15	0.1	2.06	9 32.1%	5 17.9%	4 14.3%	9 32.1%	1 3.6%	0 0.0%	18	10
17	JAIPUR	32	0.07	12.75	1.1	15.43	14 43.8%	3 9.4%	9 28.1%	2 6.3%	2 6.3%	2 6.3%	26	6
18	JAISALMER	41	0.02	18.51	0.09	2	15 36.6%	3 7.3%	5 12.2%	15 36.6%	1 2.4%	0 0.0%	23	16
19	JALORE	8	1.37	12.15	0.11	6.7	3 37.5%	0 0.0%	1 12.5%	3 37.5%	0 0.0%	1 12.5%	4	4
20	JHALAWAR	22	0.55	11.13	0.25	0.25	1 4.5%	10 45.5%	10 45.5%	1 4.5%	0 0.0%	0 0.0%	21	1
21	JHUNJHUNU	11	0.94	1.69	0.25	9	4 36.4%	0 0.0%	0 0.0%	5 45.5%	1 9.1%	1 9.1%	4	7
22	JODHPUR	29	0.23	8.47	0.03	8.42	13 44.8%	1 3.4%	1 3.4%	8 27.6%	1 3.4%	2 6.9%	15	11
23	KARAULI	14	0.05	5.2	1.15	10.17	5 35.7%	3 21.4%	2 14.3%	1 7.1%	0 0.0%	1 7.1%	10	2
24	KOTA	17	0.38	8.61	-	-	10 58.8%	1 5.9%	6 35.3%	0 0.0%	0 0.0%	0 0.0%	17	0
25	NAGAUR	22	0.45	5.95	0.11	2.4	5 22.7%	2 9.1%	3 13.6%	5 22.7%	1 4.5%	0 0.0%	10	6
26	PALI	22	0.3	8.8	0.35	7.75	8 36.4%	6 27.3%	5 22.7%	2 9.1%	0 0.0%	1 4.5%	19	3
27	PRATAPGARH	16	0.15	12.52	0.4	0.4	3 18.8%	6 37.5%	6 37.5%	1 6.3%	0 0.0%	0 0.0%	15	1
28	RAJSAMAND	23	2.45	12.16	0.35	4.55	0 0.0%	3 13.0%	18 78.3%	1 4.3%	0 0.0%	1 4.3%	21	2
29	SAWAI MADHOPUR	16	0.65	4.6	0.28	2.26	6 37.5%	3 18.8%	3 18.8%	3 18.8%	1 6.3%	0 0.0%	12	4
30	SIKAR	24	0.04	6.7	0.1	10.47	12 50.0%	0 0.0%	2 8.3%	4 16.7%	2 8.3%	3 12.5%	14	9
31	SIROHI	9	0.6	12.38	0.01	0.01	2 22.2%	3 33.3%	3 33.3%	1 11.1%	0 0.0%	0 0.0%	8	1
32	TONK	15	0.02	8.44	0.65	2.23	7 46.7%	4 26.7%	2 13.3%	1 6.7%	1 6.7%	0 0.0%	13	2
33	UDAIPUR	37	0.23	14.65	0.44	2.20	4 10.8%	7 18.9%	23 62.2%	2 5.4%	1 2.7%	0 0.0%	34	3
	Grand Total	749	0.02	18.51	0.01	15.43	257 34.3%	111 14.8%	164 21.9%	137 18.3%	27 3.6%	27 3.6%	532	191

8.2.3 May 2014 to January 2015

Map (Fig–8.9) and tables - 12 shows about 33.8% of the stations observed rise in water level between the period May, 2014 and November, 2014. Southern parts mostly covered by hills and mountains experienced the rise in water level. Rise from 0 to 2 m has recorded in 33.8% stations mainly in patches in all the Districts in the state. Whereas rise in water level of 2 to 4 m. has observed in 14.9% of stations in patches in most of the Districts except Bikaner, Bundi, Churu Dausa, Dholpur, Jalore and Sikar. Rise in water level of more then 4 m. has occurred in 17.0% stations in south eastern and south western parts in the state in isolated patches in all Districts, except Baran, Dhaulpur and Ganganagar Districts. Minimum rise of 0.02 m. is recorded at Kalyansar in Bikaner District whereas maximum rise of 18.57 m. is recorded at Ramgarh2 in Jaisalmer District.

Fall in water level is mainly recorded in the upper central parts in the State extending from East to West direction. Fall from 0 to 2 m. has occurred in 23.2%.stations in west central parts covering the Districts of Alwar, Barmer, Bharatpur, Bikaner, Churu, Dausa, Dhaulpur, Hanumangarh, Jaisalmer, Jhunjhunu, i, Nagaur, Sawai-madhopur and Sikar. Fall in water level of 2 to 4 m. has occurs in 5.7% stations Covering mainly Alwar, Barmer, Bikaner, Dausa, Jalore, Jhunjhunu, Sawai-madhopur, Sikar and Sirohi Districts. Fall in Water Level more then 4 m. has occurred in 4.8%. stations in small patches in Alwar, Barmer, Bharatpur, Bhilwara, Bikaner, Chittorgarh, Churu, Dausa, Dhaulpur, Dungarpur, Jaipur, Jalore, Jhunjhunu, Jodhpur, Karauli, Rajsamand and Karauli Districts. Minmum fall of 0.02 m is recorded atJhotwara1 in Jaipur District whereas maximum fall of 22.30 m. is recorded at Khejroli in Jaipur District .

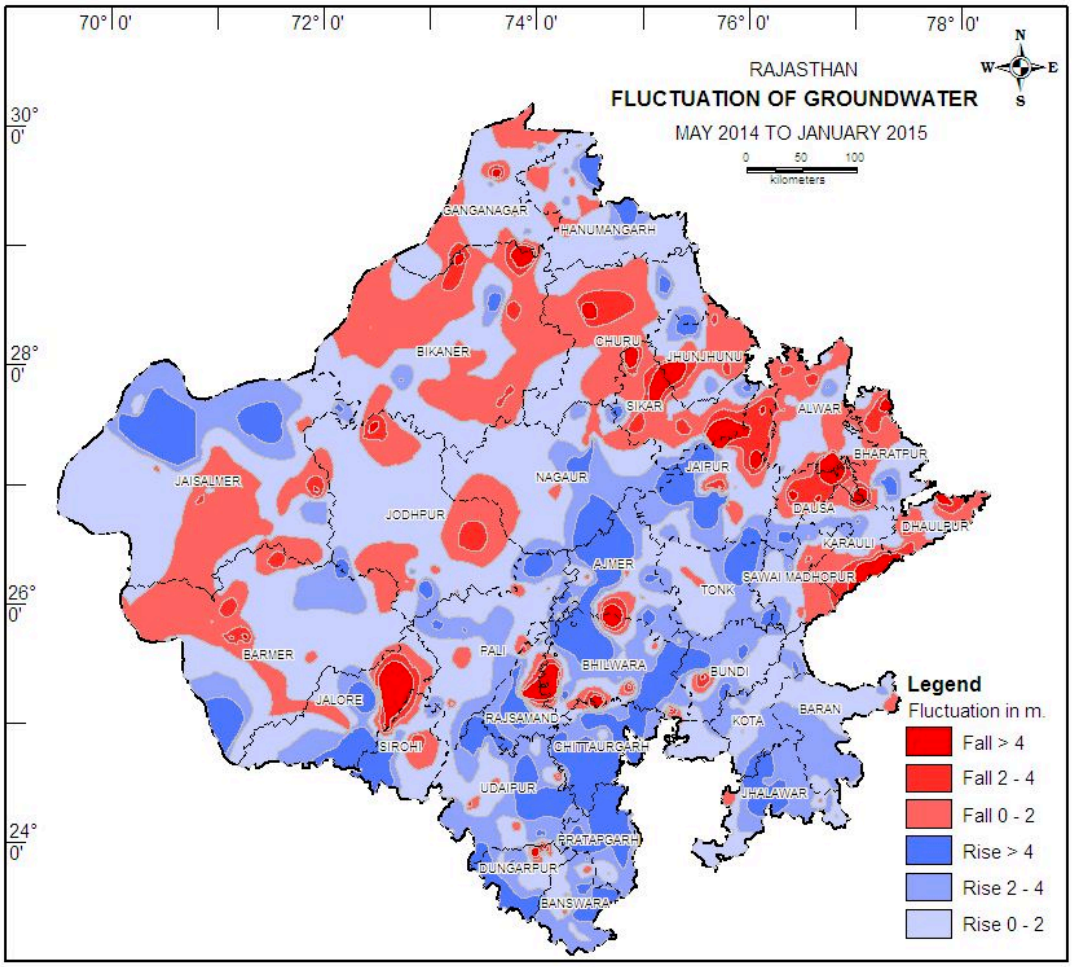

RAJASTHAN
FLUCTUATION OF GROUNDWATER
MAY 2014 TO JANUARY 2015
0 50 100
kilometers
N
W
E
S
70° 0'
72° 0'
74° 0'
76° 0'
78° 0'
30° 0'
28° 0'
26° 0'
24° 0'
GANGANAGAR
HANUMANGARH
BIKANER
CHURU
JHUNJHUNU
SIKAR
ALWAR
BHARATPUR
JAISALMER
NAGAUR
JAIPUR
DAUSA
DHAULPUR
JODHPUR
KARAULI
AJMER
SAWAI MADHOPUR
TONK
BARMER
PALI
BHILWARA
BUNDI
JALORE
RAJSAMAND
KOTA
BARAN
SIROHI
CHITTAURGARH
UDAIPUR
JHALAWAR
PRATAPGARH
DUNGARPUR
BANSWARA
Legend
Fluctuation in m.
Fall > 4
Fall 2 - 4
Fall 0 - 2
Rise > 4
Rise 2 - 4
Rise 0 - 2

Figure : 8.9

Table - 12

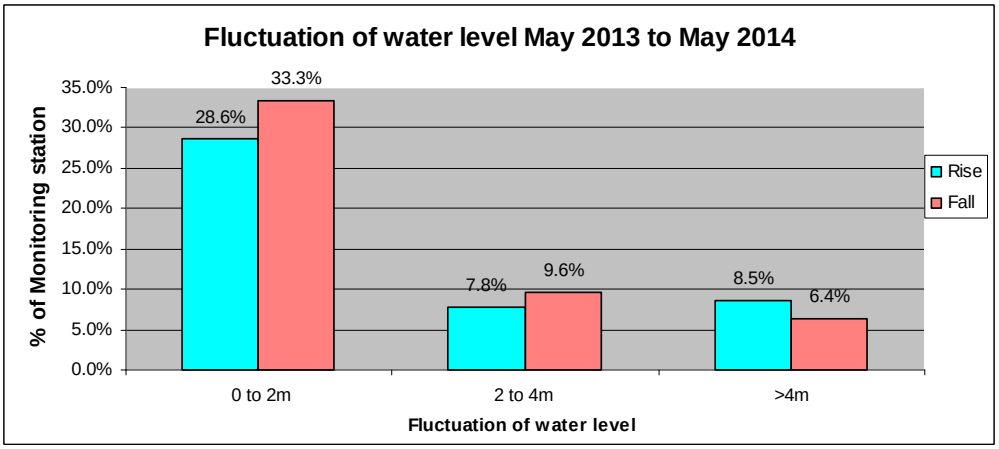
CATEGORISATION OF CHANGES IN WATER LEVEL BETWEEN MAY, 2014 TO JANUARY, 2015

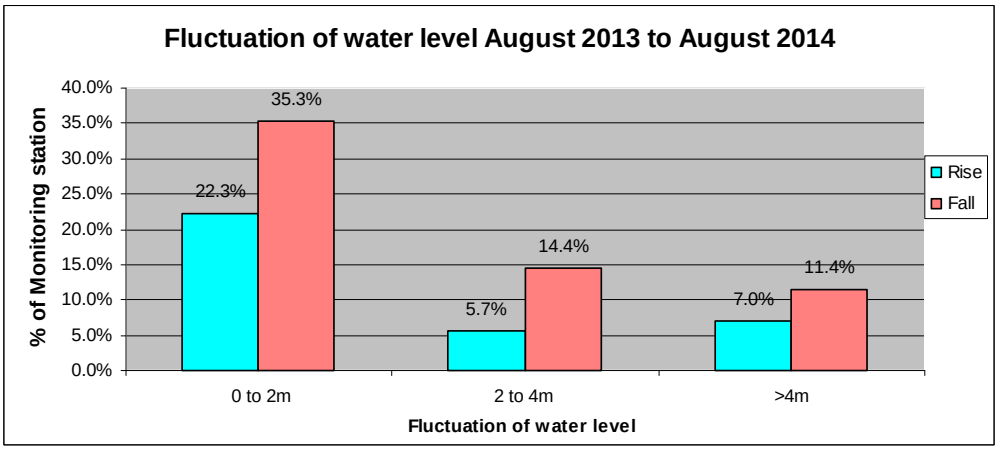
Sr. No.	District Name	No of well analysed	Range of Fluctuation (m)				No. of Wells Showing Fluctuation						Total No. of Wells	
			Rise		Fall		Rise			Fall				
			Min	Max	Min	Max	0 to 2	2 to 4	>4	0 to 2	2 to 4	>4	Rise	Fall
1	AJMER	26	0.07	18.5	0.22	2.7	7 26.9%	4 15.4%	9 34.6%	5 19.2%	1 3.8%	0 0.0%	20	6
2	ALWAR	30	0.22	4.2	0.22	15.97	11 36.7%	1 3.3%	1 3.3%	12 40.0%	4 13.3%	1 3.3%	13	17
3	BANSWARA	27	0.45	6.79	0.75	1.75	7 25.9%	13 48.1%	5 18.5%	2 7.4%	0 0.0%	0 0.0%	25	2
4	BARAN	13	0.2	3.8	0.81	0.81	8 61.5%	4 30.8%	0 0.0%	1 7.7%	0 0.0%	0 0.0%	12	1
5	BARMER	33	0.05	6.75	0.1	4.7	10 30.3%	3 9.1%	1 3.0%	13 39.4%	3 9.1%	2 6.1%	14	18
6	BHARATPUR	24	0.1	8.7	0.45	5.95	9 37.5%	2 8.3%	2 8.3%	9 37.5%	1 4.2%	1 4.2%	13	11
7	BHILWARA	24	0.3	12.4	0.8	8.55	4 16.7%	5 20.8%	7 29.2%	2 8.3%	0 0.0%	6 25.0%	16	8
8	BIKANER	48	0.02	6.7	0.07	12.34	21 43.8%	0 0.0%	2 4.2%	18 37.5%	5 10.4%	2 4.2%	23	25
9	BUNDI	11	0.25	6.03	4.99	4.99	7 63.6%	0 0.0%	3 27.3%	0 0.0%	0 0.0%	1 9.1%	10	1
10	CHITTAURGARH	13	0.16	9.8	-	-	2 15.4%	4 30.8%	7 53.8%	0 0.0%	0 0.0%	0 0.0%	13	0
11	CHURU	21	0.05	6.87	0.02	5.61	6 28.6%	0 0.0%	1 4.8%	12 57.1%	1 4.8%	1 4.8%	7	14
12	DAUSA	14	0.11	4.8	0.15	9.45	2 14.3%	0 0.0%	1 7.1%	5 35.7%	3 21.4%	3 21.4%	3	11
13	DHAULPUR	12	0.35	1.95	0.05	5.4	5 41.7%	0 0.0%	0 0.0%	4 33.3%	1 8.3%	2 16.7%	5	7
14	DUNGARPUR	22	0.2	8.61	0.2	8.55	6 27.3%	4 18.2%	8 36.4%	1 4.5%	0 0.0%	2 9.1%	18	3
15	GANGANAGAR	36	0.2	2.7	0.15	6.45	25 69.4%	3 8.3%	0 0.0%	6 16.7%	1 2.8%	1 2.8%	28	8
16	HANUMANGARH	28	0.15	7.85	0.1	1.6	11 39.3%	3 10.7%	3 10.7%	9 32.1%	0 0.0%	0 0.0%	17	9
17	JAIPUR	31	0.34	10.88	0.02	22.3	10 32.3%	4 12.9%	8 25.8%	3 9.7%	2 6.5%	4 12.9%	22	9
18	JAISALMER	42	0.05	18.57	0.15	4.6	13 31.0%	5 11.9%	6 14.3%	14 33.3%	2 4.8%	1 2.4%	24	17
19	JALORE	8	0.4	9.9	2.05	11.59	2 25.0%	0 0.0%	2 25.0%	0 0.0%	2 25.0%	2 25.0%	4	4
20	JHALAWAR	21	0.88	8.5	0.05	1.54	5 23.8%	8 38.1%	5 23.8%	3 14.3%	0 0.0%	0 0.0%	18	3
21	JHUNJHUNU	13	1.48	7.05	0.15	9.14	3 23.1%	2 15.4%	1 7.7%	3 23.1%	3 23.1%	1 7.7%	6	7
22	JODHPUR	27	0.07	8.45	0.03	5.1	12 44.4%	1 3.7%	2 7.4%	9 33.3%	2 7.4%	1 3.7%	15	12
23	KARAULI	12	0.45	4.4	0.05	10.62	2 16.7%	4 33.3%	1 8.3%	4 33.3%	0 0.0%	1 8.3%	7	5
24	KOTA	16	0.1	5.61	0.16	0.16	9 56.3%	3 18.8%	3 18.8%	1 6.3%	0 0.0%	0 0.0%	15	1
25	NAGAUR	17	0.11	5.57	0.1	1.86	7 41.2%	2 11.8%	3 17.6%	5 29.4%	0 0.0%	0 0.0%	12	5
26	PALI	19	0.35	8.95	0.36	2.5	9 47.4%	2 10.5%	4 21.1%	3 15.8%	1 5.3%	0 0.0%	15	4
27	PRATAPGARH	15	0.55	12.84	0.13	1.95	1 6.7%	4 26.7%	8 53.3%	2 13.3%	0 0.0%	0 0.0%	13	2
28	RAJSAMAND	25	0.25	11.37	3.6	6.5	3 12.0%	9 36.0%	11 44.0%	0 0.0%	1 4.0%	1 4.0%	23	2
29	SAWAI MADHOPUR	16	0.15	4.43	0.1	2.27	6 37.5%	1 6.3%	2 12.5%	5 31.3%	2 12.5%	0 0.0%	9	7
30	SIKAR	21	0.12	5.92	0.05	12.32	2 9.5%	0 0.0%	2 9.5%	11 52.4%	3 14.3%	3 14.3%	4	17
31	SIROHI	7	1.1	8.75	3.4	3.4	3 42.9%	2 28.6%	1 14.3%	0 0.0%	1 14.3%	0 0.0%	6	1
32	TONK	13	0.31	7.6	0.13	0.27	6 46.2%	2 15.4%	3 23.1%	2 15.4%	0 0.0%	0 0.0%	11	2
33	UDAIPUR	39	0.49	17.24	0.55	3.45	11 28.2%	13 33.3%	10 25.6%	3 7.7%	2 5.1%	0 0.0%	34	5
	Grand Total	724	0.02	18.57	0.02	22.30	245 33.8%	108 14.9%	122 16.9%	167 23.1%	41 5.7%	36 5.0%	475	244

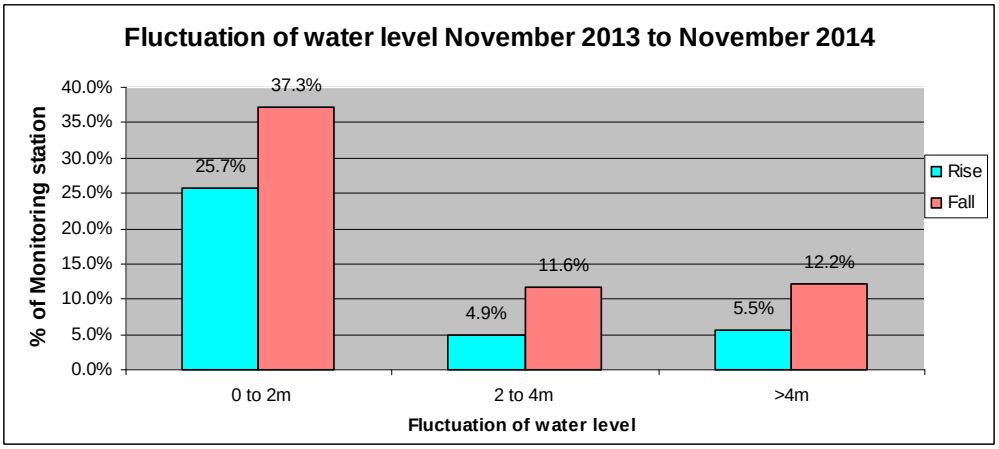
8.3 Annual Water Level Fluctuation

Annual Fluctuation in the water levels of the NHS stations during different monitoring periods were analysed graphically and depicted in Fig. 8.10 shows that mostly fall is dominant over the rise in all annual periods.

ANNUAL WATER LEVEL FLUCTUATION







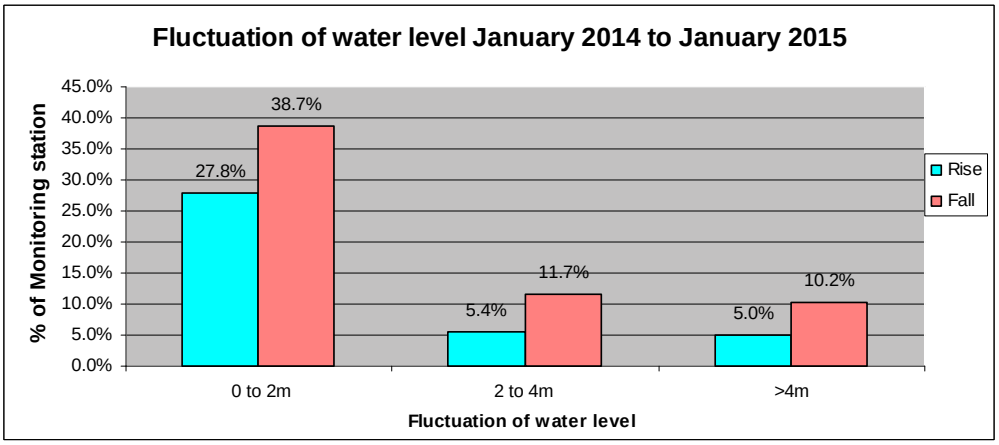


Figure : 8.10

8.3.1 May 2013 to May 2014

Water level fluctuation data during May 2013 and May 2014 is presented in Table -13 and has been depicted in Fig.-8.11. A perusal of the map and Table reveals that about 49.3% of the wells have registered fall in water level. The area in northern and eastern parts of the State shows predominantly rise in water level. Fall in water level between 0 and 2 m has been observed in 33.3% of the stations. Fall of more than 4m has been recorded in isolated patches scattered in the whole State and observed in 9.6% of stations mostly in Ajmer, Alwar, Bharatpur, Hanumangarh, Jaisalmer and Rajsamand Districts.

Rise in water level is mainly in the range of 0 to 2 m and observed in 28.6% of the stations in the State. Rise of more than 4 m has been observed in isolated patches scattered in entire State. Maximum rise of 15.27 m has been recorded at Gadi Swairam in Alwar district, whereas the maximum decline of 22.70 m has been recorded in Khakli in Bikaner District.

8.3.2 August 2013 to August 2014

Water level fluctuation data during August 2013 and August 2014 is presented in Table -14 and has been depicted in Fig.-8.12. A perusal of the map and Table reveals that about 61% of the wells have registered fall in water level. These wells are scattered in almost in whole State. Eastern and Southern parts of the State shows predominantly fall in water level. Fall in water level between 0 and 2 m has been observed in 35% of the stations falling mostly in the districts of Alwar, Banswara, Barmer, Bharatpur, Bikaner, Churu, Jaisalmer, Jhalawar, Jodhpur, Rajsamad, Sikar, and Udaipur. Fall of more than 4m has been recorded mostly in Alwar, Banswara, Bharatpur, Dausa, Dungarpur, and Udaipur Districts.

Rise in water level is mainly in the range of 0 to 2 m and observed in 22% of the stations in the State. Rise of more than 4 m has been observed in isolated patches scattered in entire State.

In state, maximum rise of 22.03 m has been recorded at Salempur in Dholpur district, whereas the maximum decline of 19.13 m has been recorded in Gainta in Kota District.

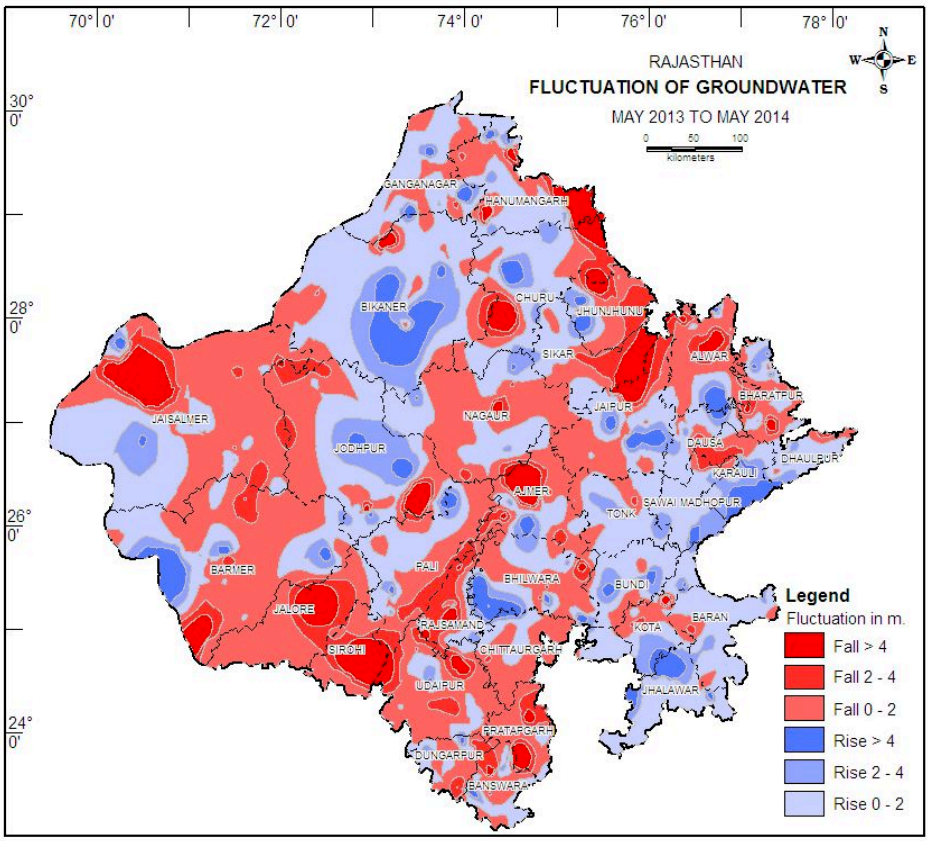


Figure : 8.11

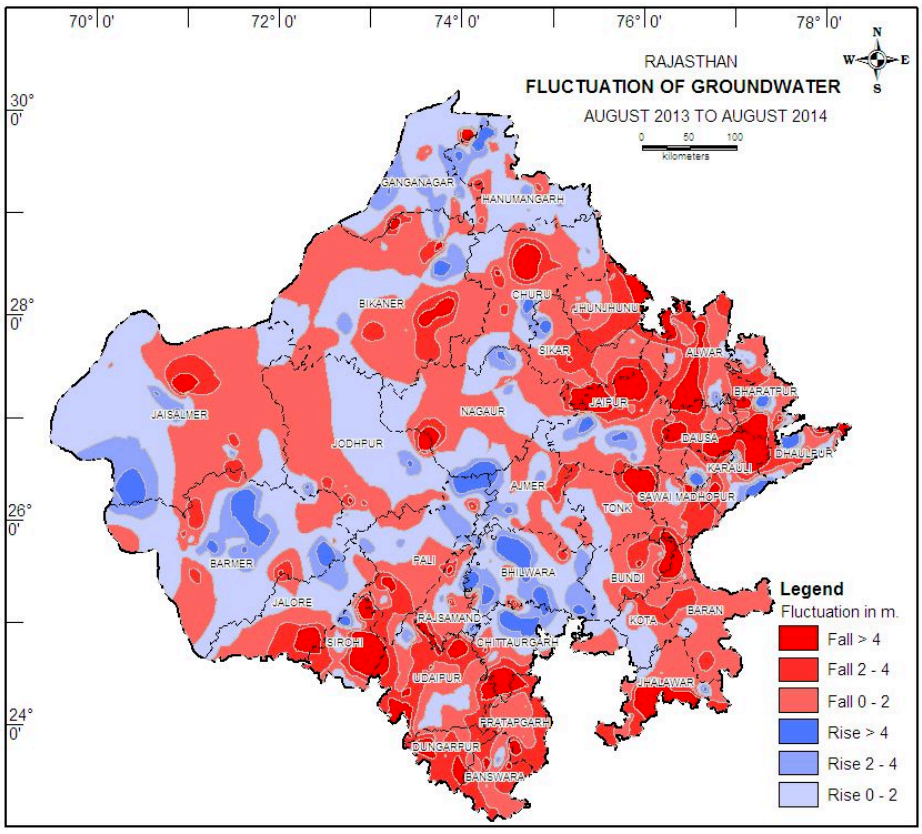


Figure : 8.12

Table - 13

CATEGORISATION OF CHANGES IN WATER LEVEL BETWEEN MAY, 2013 TO MAY, 2014														
Sr. No.	District Name	No of well analysed	Range of Fluctuation (m)				No. of Wells Showing Fluctuation						Total No. of Wells	
			Rise		Fall		Rise			Fall				
			Min	Max	Min	Max	0 to 2	2 to 4	>4	0 to 2	2 to 4	>4	Rise	Fall
1	AJMER	27	0.2	10.1	0.13	16.61	5 18.5%	2 7.4%	1 3.7%	11 40.7%	4 14.8%	3 11.1%	8	18
2	ALWAR	30	0.11	15.27	0.05	6.76	5 16.7%	0 0.0%	2 6.7%	17 56.7%	2 6.7%	4 13.3%	7	23
3	BANSWARA	25	0.04	6.61	0.05	6.59	8 32.0%	2 8.0%	1 4.0%	10 40.0%	2 8.0%	1 4.0%	11	13
4	BARAN	14	0.11	3.24	0.15	2.65	8 57.1%	2 14.3%	0 0.0%	2 14.3%	1 7.1%	0 0.0%	10	3
5	BARMER	38	0.05	11.1	0.05	7.75	8 21.1%	3 7.9%	3 7.9%	21 55.3%	1 2.6%	2 5.3%	14	24
6	BHARATPUR	32	0.04	6.17	0.02	7.52	10 31.3%	1 3.1%	3 9.4%	11 34.4%	1 3.1%	3 9.4%	14	15
7	BHILWARA	24	0.05	10.53	0.02	5.45	3 12.5%	4 16.7%	6 25.0%	8 33.3%	2 8.3%	1 4.2%	13	11
8	BIKANER	42	0.11	11.95	0.05	22.7	20 47.6%	4 9.5%	6 14.3%	10 23.8%	1 2.4%	1 2.4%	30	12
9	BUNDI	11	0.05	5.87	0.9	1.68	4 36.4%	2 18.2%	3 27.3%	2 18.2%	0 0.0%	0 0.0%	9	2
10	CHITTAURGARH	13	0.02	1.2	0.3	2.25	6 46.2%	0 0.0%	0 0.0%	5 38.5%	1 7.7%	0 0.0%	6	6
11	CHURU	24	0.1	10.62	0.3	10.9	7 29.2%	6 25.0%	1 4.2%	5 20.8%	1 4.2%	1 4.2%	14	7
12	DAUSA	10	1.15	3.92	0.02	3.78	2 20.0%	2 20.0%	0 0.0%	5 50.0%	1 10.0%	0 0.0%	4	6
13	DHAULPUR	13	0.17	2.65	0.06	4.5	5 38.5%	3 23.1%	0 0.0%	3 23.1%	0 0.0%	1 7.7%	8	4
14	DUNGARPUR	22	0.63	5.56	0.06	4.15	5 22.7%	2 9.1%	1 4.5%	7 31.8%	4 18.2%	1 4.5%	8	12
15	GANGANAGAR	35	0.02	11.25	0.15	3.2	16 45.7%	1 2.9%	3 8.6%	13 37.1%	1 2.9%	0 0.0%	20	14
16	HANUMANGARH	31	0.15	9.3	0.18	13.6	10 32.3%	3 9.7%	2 6.5%	10 32.3%	3 9.7%	3 9.7%	15	16
17	JAIPUR	30	0.05	11.12	0.13	10.53	11 36.7%	0 0.0%	3 10.0%	14 46.7%	0 0.0%	2 6.7%	14	16
18	JAISALMER	55	0.02	8.5	0.1	18.7	8 14.5%	1 1.8%	3 5.5%	22 40.0%	7 12.7%	4 7.3%	12	33
19	JALORE	7	-	-	0.05	18.1	0 0.0%	0 0.0%	0 0.0%	3 42.9%	3 42.9%	1 14.3%	0	7
20	JHALAWAR	19	0.12	8.59	0.09	0.11	6 31.6%	2 10.5%	6 31.6%	3 15.8%	0 0.0%	0 0.0%	14	3
21	JHUNJHUNU	13	0.3	8.4	0.5	8.8	2 15.4%	1 7.7%	2 15.4%	4 30.8%	2 15.4%	2 15.4%	5	8
22	JODHPUR	30	0.03	5.25	0.24	17.18	8 26.7%	2 6.7%	3 10.0%	10 33.3%	2 6.7%	2 6.7%	13	14
23	KARAULI	14	1.23	10.22	2.2	3.58	2 14.3%	2 14.3%	4 28.6%	0 0.0%	4 28.6%	0 0.0%	8	4
24	KOTA	15	0.1	4.74	0.05	8.18	5 33.3%	1 6.7%	1 6.7%	4 26.7%	2 13.3%	1 6.7%	7	7
25	NAGAUR	26	0.05	4.46	0.15	6.25	7 26.9%	1 3.8%	2 7.7%	6 23.1%	2 7.7%	1 3.8%	10	9
26	PALI	16	0.2	9.72	0.05	2.68	5 31.3%	2 12.5%	2 12.5%	6 37.5%	1 6.3%	0 0.0%	9	7
27	PRATAPGARH	10	1.82	3.19	1.06	13.45	1 10.0%	1 10.0%	0 0.0%	3 30.0%	2 20.0%	2 20.0%	2	7
28	RAJSAMAND	25	0.05	4.07	0.8	6.42	3 12.0%	1 4.0%	1 4.0%	4 16.0%	10 40.0%	5 20.0%	5	19
29	SAWAI MADHOPUR	12	0.84	11.08	2.7	2.7	7 58.3%	1 8.3%	3 25.0%	0 0.0%	1 8.3%	0 0.0%	11	1
30	SIKAR	20	0.38	2.38	0.29	4.98	7 35.0%	2 10.0%	0 0.0%	8 40.0%	2 10.0%	1 5.0%	9	11
31	SIROHI	7	-	-	0.3	12.8	0 0.0%	0 0.0%	0 0.0%	2 28.6%	1 14.3%	3 42.9%	0	6
32	TONK	15	0.33	3.9	0.1	2.9	6 40.0%	4 26.7%	0 0.0%	2 13.3%	2 13.3%	0 0.0%	10	4
33	UDAIPUR	34	0.08	4.89	0.13	6.85	11 32.4%	0 0.0%	1 2.9%	15 44.1%	5 14.7%	2 5.9%	12	22
	Grand Total	739	0.02	15.27	0.02	22.70	211 28.6%	58 7.8%	63 8.5%	246 33.3%	71 9.6%	47 6.4%	332	364

Table - 14

CATEGORISATION OF CHANGES IN WATER LEVEL BETWEEN AUGUST, 2013 TO AUGUST, 2014														
Sr. No.	District Name	No of well analysed	Range of Fluctuation (m)				No. of Wells Showing Fluctuation						Total No. of Wells	
			Rise		Fall		Rise			Fall				
			Min	Max	Min	Max	0 to 2	2 to 4	>4	0 to 2	2 to 4	>4	Rise	Fall
1	AJMER	25	0.01	5.6	0.05	3.31	12 48.0%	2 8.0%	2 8.0%	6 24.0%	3 12.0%	0 0.0%	16	9
2	ALWAR	33	0.12	4.9	0.2	8.42	6 18.2%	0 0.0%	1 3.0%	11 33.3%	5 15.2%	7 21.2%	7	23
3	BANSWARA	29	0.27	3.47	0.1	7.65	1 3.4%	1 3.4%	0 0.0%	13 44.8%	8 27.6%	5 17.2%	2	26
4	BARAN	13	0.7	0.7	0.3	2.96	1 7.7%	0 0.0%	0 0.0%	9 69.2%	3 23.1%	0 0.0%	1	12
5	BARMER	45	0.29	9	0.1	4.86	20 44.4%	2 4.4%	5 11.1%	11 24.4%	5 11.1%	1 2.2%	27	17
6	BHARATPUR	37	0.35	10.9	0.32	17.42	2 5.4%	2 5.4%	2 5.4%	15 40.5%	6 16.2%	7 18.9%	6	28
7	BHILWARA	30	1.05	12.08	0.17	4.72	6 20.0%	8 26.7%	7 23.3%	5 16.7%	2 6.7%	2 6.7%	21	9
8	BIKANER	47	0.1	7.5	0.1	10.37	13 27.7%	3 6.4%	2 4.3%	20 42.6%	4 8.5%	4 8.5%	18	28
9	BUNDI	11	0.43	2.65	0.19	4.7	2 18.2%	1 9.1%	0 0.0%	6 54.5%	1 9.1%	1 9.1%	3	8
10	CHITTAURGARH	15	0.02	13.5	0.05	15	3 20.0%	3 20.0%	3 20.0%	4 26.7%	0 0.0%	2 13.3%	9	6
11	CHURU	30	0.48	9.1	0.1	11.89	5 16.7%	2 6.7%	1 3.3%	13 43.3%	3 10.0%	2 6.7%	8	18
12	DAUSA	14	0.18	0.18	0.15	11.73	1 7.1%	0 0.0%	0 0.0%	3 21.4%	4 28.6%	6 42.9%	1	13
13	DHAULPUR	14	0.28	22.03	0.3	11.45	2 14.3%	0 0.0%	1 7.1%	3 21.4%	4 28.6%	3 21.4%	3	10
14	DUNGARPUR	18	-	-	0.38	14.25	0 0.0%	0 0.0%	0 0.0%	7 38.9%	5 27.8%	6 33.3%	0	18
15	GANGANAGAR	32	0.11	4.23	0.38	15	17 53.1%	6 18.8%	2 6.3%	3 9.4%	3 9.4%	1 3.1%	25	7
16	HANUMANGARH	30	0.12	16.3	0.08	4.02	12 40.0%	2 6.7%	5 16.7%	9 30.0%	1 3.3%	1 3.3%	19	11
17	JAIPUR	27	1.1	9.34	0.1	18.83	1 3.7%	4 14.8%	4 14.8%	9 33.3%	5 18.5%	4 14.8%	9	18
18	JAISALMER	36	0.05	7.47	0.02	6.15	11 30.6%	1 2.8%	4 11.1%	15 41.7%	2 5.6%	1 2.8%	16	18
19	JALORE	9	0.66	1.6	0.04	8.05	3 33.3%	0 0.0%	0 0.0%	4 44.4%	1 11.1%	1 11.1%	3	6
20	JHALAWAR	23	0.14	5.3	0.08	10.8	3 13.0%	0 0.0%	1 4.3%	14 60.9%	3 13.0%	2 8.7%	4	19
21	JHUNJHUNU	12	0.28	1.74	0.33	6.31	2 16.7%	0 0.0%	0 0.0%	5 41.7%	3 25.0%	2 16.7%	2	10
22	JODHPUR	28	0.02	5.16	0.07	8.6	9 32.1%	1 3.6%	2 7.1%	11 39.3%	2 7.1%	2 7.1%	12	15
23	KARAULI	16	0.68	7.8	0.05	10.86	1 6.3%	0 0.0%	2 12.5%	2 12.5%	4 25.0%	5 31.3%	3	11
24	KOTA	17	0.28	1.2	0.05	19.13	4 23.5%	0 0.0%	0 0.0%	8 47.1%	3 17.6%	2 11.8%	4	13
25	NAGAUR	30	0.04	6.82	0.02	2.26	4 13.3%	1 3.3%	3 10.0%	8 26.7%	2 6.7%	0 0.0%	8	10
26	PALI	21	0.05	8.44	0.08	8.1	5 23.8%	3 14.3%	1 4.8%	8 38.1%	2 9.5%	2 9.5%	9	12
27	PRATAPGARH	11	0.02	0.05	0.4	7.85	2 18.2%	0 0.0%	0 0.0%	3 27.3%	3 27.3%	3 27.3%	2	9
28	RAJSAMAND	25	1	5.45	0.23	6.54	3 12.0%	2 8.0%	3 12.0%	12 48.0%	1 4.0%	4 16.0%	8	17
29	SAWAI MADHOPUR	17	0.1	16.8	1.15	7.33	6 35.3%	0 0.0%	1 5.9%	3 17.6%	6 35.3%	1 5.9%	7	10
30	SIKAR	26	0.25	9.43	0.43	4.74	2 7.7%	0 0.0%	1 3.8%	13 50.0%	9 34.6%	1 3.8%	3	23
31	SIROHI	13	0.34	7.03	0.69	12.8	3 23.1%	1 7.7%	1 7.7%	3 23.1%	2 15.4%	3 23.1%	5	8
32	TONK	16	0.14	2	0.4	14.92	5 31.3%	0 0.0%	0 0.0%	9 56.3%	0 0.0%	2 12.5%	5	11
33	UDAIPUR	40	0.09	4.35	0.25	9.40	9 22.5%	0 0.0%	1 2.5%	14 35.0%	9 22.5%	7 17.5%	10	30
	Grand Total	790	0.01	22.03	0.02	19.13	176 22.3%	45 5.7%	55 7.0%	279 35.3%	114 14.4%	90 11.4%	276	483

8.3.3 November 2013 to November 2014

A perusal of map (Fig.-8.13) and Table -15 reveals that about 61.1% of the stations show fall in water level in patches scattered mostly in the whole state. Fall in water level between 0 and 2 m has been observed in 37.3% of the stations representing mainly south east to north eastern parts of the state falling mainly in parts of Alwar Ajmer, Baran, Banswara, Bundi, Dungarpur, Jaisalmer, Jalore, Jhalawar, Jhunjhunu, Jodhpur, Sawai-madhopur, Udaipur Districts and in very small patches in other Districts. Fall in water level between 2 to 4 and more then 4 m has been recorded in 11.6% and 12.2% of the stations, respectively in isolated pockets, mainly in Alwar, Banswara, Bharatpur, Chittorgarh, Dausa, Dhaulpur, Dungarpur, Jalore, Jhunjhunu, Karauli, Kota, Nagaur, Partapgarh, Sawai-madhopur and Sirohi Districts. The minimum decline of 0.01 m has been recorded at Kala Kalayanpura in Udaipur District and maximum decline of 18.27 m recorded at Mohanpur Balaji in Jaipur District.

Rise in water level in the range of 0 to 2 m has been observed in 25.7% of the stations mainly in patches in Ajmer, Baran, Barmer, Bikaner, Bundi, Churu, Ganganagar, Hanumangarh, Jalore, Kota, and Sikar districts in the State. Rise in fluctuation of water level of 2 to 4 m and more than 4 m occurs mainly in 4.9% and 5.5% of the stations in isolated patches scattered mostly in Bhilwara, Dausa, Sri-Ganganagar, Hanumangarh, Jaipur, Pali, Rajsamand and Sirohi districts. The minimum rise of 0.01 m is recorded at Nimbornath in Pali and Dingri in Udaipur districts whereas maximum rise of 28.1m is recorded at Govindgarh in Jaipur District.

8.3.4 January 2014 to January 2015

A perusal of map (Fig.-8.14) and Table -16 reveals that about 60.6% of the stations show fall in water level in patches scattered mostly in the whole state. Fall in water level between 0 to 2 m. has observed in 38.3% of the stations representing mainly east to south western parts in the state falling in parts of Alwar Ajmer, Banswara, Baran, Barmer, Bharatpur, Bundi, Chittorgarh, Churu, Dausa, Dholpur, Dungarpur, Hanumangarh, Jaipur, Jaisalmer, Jalore, Jhalawar, Jhunjhunu, Karauli, Kota, Nagaur, Sikar, Sirohi and tonk Districts and in very small patches in other Districts. Fall in water level between 2 to 4 m. has recorded in 11.7% of the stations in isolated pockets, mainly in Alwar, Dausa, Dungarpur, Jodhpur, Pali, Pratapgarh, Sawai-madhopur and in very small patches in other Districts except Baran, Bundi, Churu, Ganganagar, Hanumangarh, Jalore, Kota, and Sirohi. Fall in water level more then 4

m. has reported in pockets in Bhilwara, Chittorgarh, Dausa, Dhaulpur, Dungarpur, Jaipur, Jalore, Pratapgarh, Rajsamand, Sawai-madhopur, Sirohi, Udaipur and in very small patches in other Districts except Baran, Bharatpur, Hanumangarh, Karauli, Kota, Nagur, Pali and Sikar. The minimum decline of 0.02 m has recorded at Rayanwali in Ganganagar District and maximum decline of 16.16 m. recorded at Gadiswairam in Alwar District.

Rise of water level in the range of 0 to 2 m has observed in 27.8% of the stations in patches mainly in all the Districts in the state except Dhaulpur District. Rise in water level from 2 to 4 m. occurs mainly in 5.4% of the stations in isolated patches scattered mostly in Baran, Barmer, Bharatpur, Bhilwara, Bikaner, Chittorgarh, Churu, Hanumangarh, Jaipur, Jhalawar, Jhunjhunu. Jodhpur, Karauli, Nagaur, Pali, Rajsamand, Sawai-madhopur, Sikar, Tonk and Udaipur Districts. Simerlely rise in water level of more then 4 m. has reported in 5.0% stations falling mainly in Ajmer, Alwar, Banswara, Barmer Bharatpur, Bhilwara, Bikaner, Hanumangarh, Jaipur, Jodhpur, Karauli, Nagaur, Pali and Rajsamand Districts. The minimum rise of 0.01 m is recorded at Kapren in Bundi District whereas maximum rise of 13.75 m. is recorded at Narnadi in Jodhpur District.

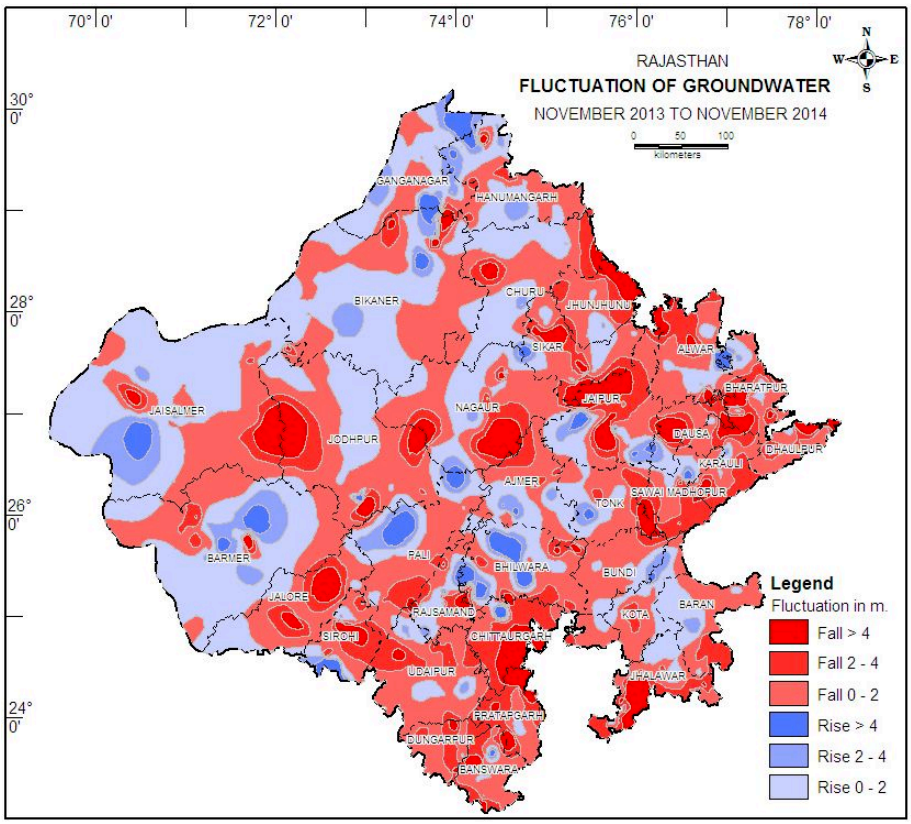


Figure : 8.13

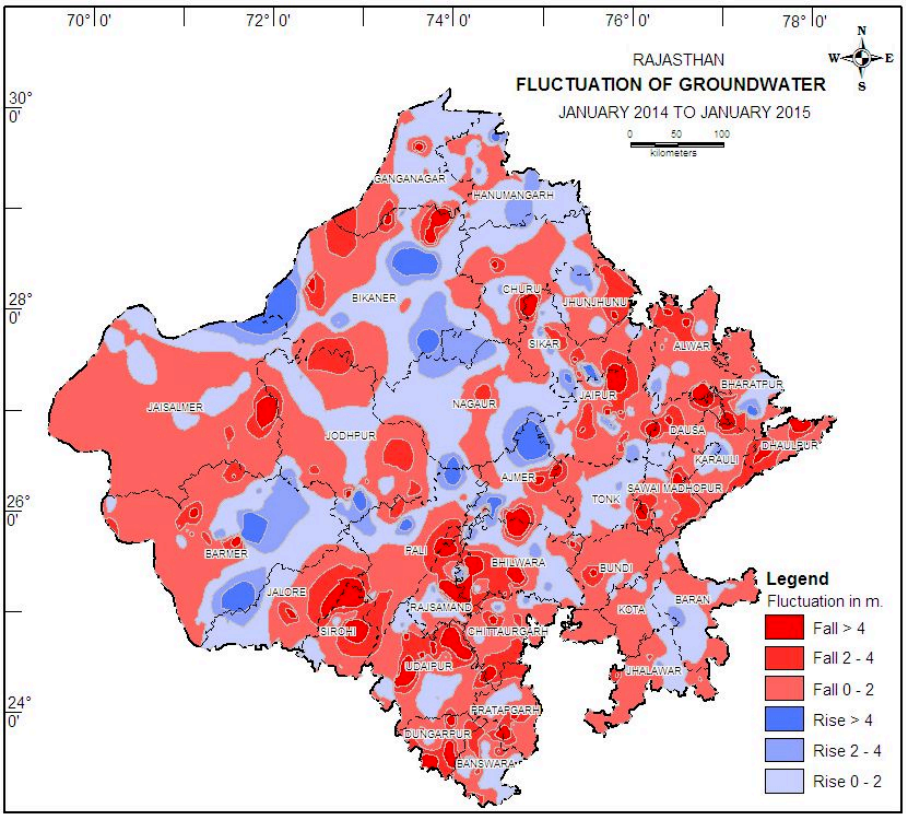


Figure : 8.14

Table - 15

CATEGORISATION OF CHANGES IN WATER LEVEL BETWEEN NOVEMBER, 2013 TO NOVEMBER, 2014														
Sr. No.	District Name	No of well analysed	Range of Fluctuation (m)				No. of Wells Showing Fluctuation						Total No. of Wells	
			Rise		Fall		Rise			Fall				
			Min	Max	Min	Max	0 to 2	2 to 4	>4	0 to 2	2 to 4	>4	Rise	Fall
1	AJMER	22	0.16	4.95	0.02	2.45	7 31.8%	1 4.5%	2 9.1%	9 40.9%	3 13.6%	0 0.0%	10	12
2	ALWAR	32	0.1	28.1	0.11	8.95	6 18.8%	1 3.1%	1 3.1%	13 40.6%	6 18.8%	4 12.5%	8	23
3	BANSWARA	27	0.05	6.36	0.12	6.58	4 14.8%	0 0.0%	1 3.7%	12 44.4%	6 22.2%	4 14.8%	5	22
4	BARAN	15	0.28	3.62	0.4	3.35	5 33.3%	1 6.7%	0 0.0%	6 40.0%	3 20.0%	0 0.0%	6	9
5	BARMER	43	0.02	8.7	0.2	10	16 37.2%	4 9.3%	3 7.0%	13 30.2%	4 9.3%	2 4.7%	23	19
6	BHARATPUR	33	0.79	2.61	0.15	10.33	2 6.1%	2 6.1%	0 0.0%	13 39.4%	3 9.1%	8 24.2%	4	24
7	BHILWARA	29	0.04	15.4	0.26	10.12	7 24.1%	1 3.4%	7 24.1%	7 24.1%	3 10.3%	4 13.8%	15	14
8	BIKANER	38	0.02	7.1	0.03	11.54	17 44.7%	1 2.6%	2 5.3%	14 36.8%	1 2.6%	3 7.9%	20	18
9	BUNDI	10	0.22	1.35	0.22	1.76	4 40.0%	0 0.0%	0 0.0%	6 60.0%	0 0.0%	0 0.0%	4	6
10	CHITTAURGARH	13	0.26	12.2	0.24	4.09	1 7.7%	0 0.0%	1 7.7%	4 30.8%	6 46.2%	1 7.7%	2	11
11	CHURU	24	0.05	4.23	0.08	7.04	13 54.2%	1 4.2%	1 4.2%	7 29.2%	0 0.0%	2 8.3%	15	9
12	DAUSA	10	4.87	4.87	0.4	11.36	0 0.0%	0 0.0%	1 10.0%	2 20.0%	2 20.0%	5 50.0%	1	9
13	DHAULPUR	13	1.2	1.2	0.2	13.07	1 7.7%	0 0.0%	0 0.0%	4 30.8%	2 15.4%	5 38.5%	1	11
14	DUNGARPUR	18	0.55	0.55	0.61	6.24	1 5.6%	0 0.0%	0 0.0%	9 50.0%	5 27.8%	3 16.7%	1	17
15	GANGANAGAR	34	0.05	26	0.05	3.12	11 32.4%	5 14.7%	4 11.8%	11 32.4%	1 2.9%	0 0.0%	20	12
16	HANUMANGARH	31	0.06	8.9	0.16	8.19	11 35.5%	4 12.9%	3 9.7%	8 25.8%	3 9.7%	2 6.5%	18	13
17	JAIPUR	28	0.15	10.54	0.2	18.27	7 25.0%	1 3.6%	3 10.7%	9 32.1%	4 14.3%	4 14.3%	11	17
18	JAISALMER	37	0.13	10.06	0.04	9.78	11 29.7%	1 2.7%	2 5.4%	16 43.2%	2 5.4%	4 10.8%	14	22
19	JALORE	10	1.32	1.65	0.4	8	3 30.0%	0 0.0%	0 0.0%	4 40.0%	0 0.0%	2 20.0%	3	6
20	JHALAWAR	24	0.05	3.15	0.22	12.75	5 20.8%	1 4.2%	0 0.0%	10 41.7%	4 16.7%	4 16.7%	6	18
21	JHUNJHUNU	11	0.24	2.25	0.2	7.36	1 9.1%	1 9.1%	0 0.0%	5 45.5%	2 18.2%	2 18.2%	2	9
22	JODHPUR	22	0.15	13.07	0.18	10.34	5 22.7%	0 0.0%	1 4.5%	12 54.5%	1 4.5%	2 9.1%	6	15
23	KARAULI	15	0.02	3.11	0.05	7.45	4 26.7%	1 6.7%	0 0.0%	2 13.3%	4 26.7%	2 13.3%	5	8
24	KOTA	18	0.35	5.83	0.13	4	6 33.3%	1 5.6%	1 5.6%	6 33.3%	4 22.2%	0 0.0%	8	10
25	NAGAUR	21	0.45	3	0.05	8	5 23.8%	1 4.8%	0 0.0%	7 33.3%	0 0.0%	4 19.0%	6	11
26	PALI	21	0.01	8.46	0.1	2.52	6 28.6%	2 9.5%	3 14.3%	8 38.1%	2 9.5%	0 0.0%	11	10
27	PRATAPGARH	13	0.64	1.48	0.76	10.52	2 15.4%	0 0.0%	0 0.0%	4 30.8%	4 30.8%	3 23.1%	2	11
28	RAJSAMAND	24	0.13	5.73	0.01	7.66	6 25.0%	2 8.3%	1 4.2%	8 33.3%	2 8.3%	4 16.7%	9	14
29	SAWAI MADHOPUR	16	0.52	8.44	0.07	4.86	3 18.8%	0 0.0%	1 6.3%	7 43.8%	3 18.8%	2 12.5%	4	12
30	SIKAR	22	0.2	6	0.04	12.27	9 40.9%	0 0.0%	1 4.5%	7 31.8%	1 4.5%	4 18.2%	10	12
31	SIROHI	12	0.13	16	0.87	6.9	3 25.0%	1 8.3%	1 8.3%	3 25.0%	0 0.0%	4 33.3%	5	7
32	TONK	14	0.14	5.2	0.04	9.5	4 28.6%	0 0.0%	1 7.1%	5 35.7%	2 14.3%	2 14.3%	5	9
33	UDAIPUR	39	0.01	3.90	0.01	5.42	4 10.3%	3 7.7%	0 0.0%	25 64.1%	3 7.7%	4 10.3%	7	32
	Grand Total	739	0.01	28.10	0.01	18.27	190 25.7%	36 4.9%	41 5.5%	276 37.3%	86 11.6%	90 12.2%	267	452

Table - 16

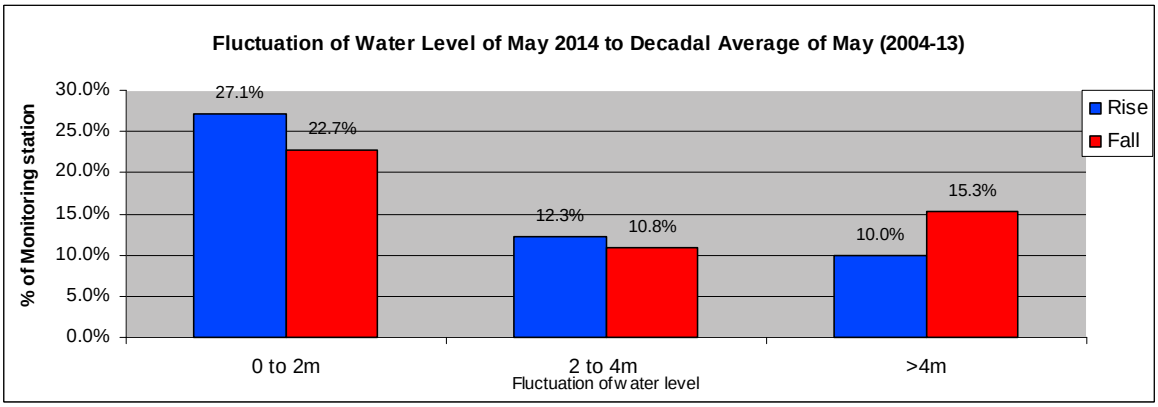
CATEGORISATION OF CHANGES IN WATER LEVEL BETWEEN JANUARY, 2014 TO JANUARY, 2015

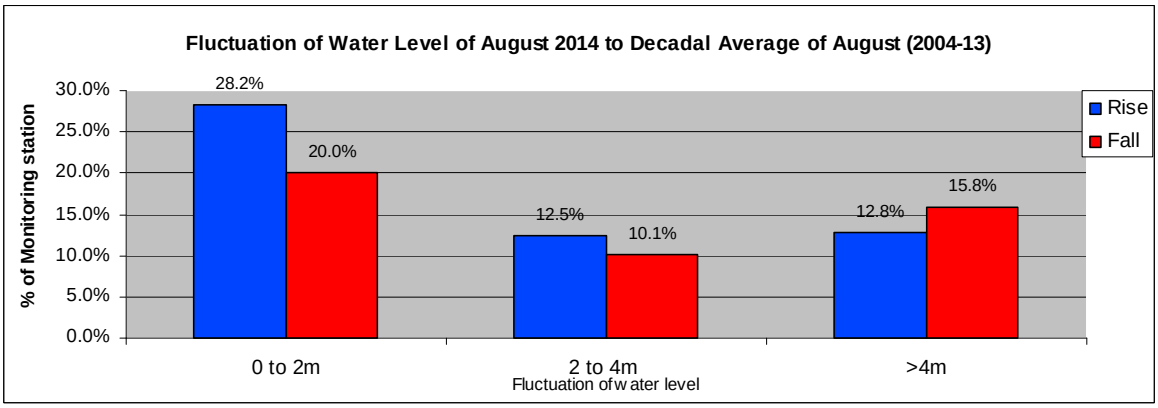
Sr. No.	District Name	No of well analysed	Range of Fluctuation (m)				No. of Wells Showing Fluctuation						Total No. of Wells	
			Rise		Fall		Rise			Fall				
			Min	Max	Min	Max	0 to 2	2 to 4	>4	0 to 2	2 to 4	>4	Rise	Fall
1	AJMER	23	0.06	8.6	0.13	6.41	6 26.1%	0 0.0%	5 21.7%	7 30.4%	3 13.0%	2 8.7%	11	12
2	ALWAR	31	0.08	4.08	0.06	16.16	5 16.1%	0 0.0%	1 3.2%	14 45.2%	8 25.8%	3 9.7%	6	25
3	BANSWARA	28	0.15	6.35	0.07	5.03	8 28.6%	0 0.0%	1 3.6%	10 35.7%	6 21.4%	3 10.7%	9	19
4	BARAN	14	0.12	2.64	0.15	1.96	4 28.6%	1 7.1%	0 0.0%	9 64.3%	0 0.0%	0 0.0%	5	9
5	BARMER	40	0.1	8.86	0.05	7	9 22.5%	2 5.0%	5 12.5%	15 37.5%	4 10.0%	4 10.0%	16	23
6	BHARATPUR	26	0.03	8.3	0.06	2.78	3 11.5%	1 3.8%	3 11.5%	14 53.8%	5 19.2%	0 0.0%	7	19
7	BHILWARA	28	0.14	4.9	0.19	15	10 35.7%	2 7.1%	1 3.6%	7 25.0%	2 7.1%	6 21.4%	13	15
8	BIKANER	39	0.02	9.95	0.1	12.12	14 35.9%	3 7.7%	6 15.4%	7 17.9%	5 12.8%	4 10.3%	23	16
9	BUNDI	12	0.01	1.42	0.05	4.92	3 25.0%	0 0.0%	0 0.0%	8 66.7%	0 0.0%	1 8.3%	3	9
10	CHITTAURGARH	16	0.9	3.48	0.03	7.24	1 6.3%	2 12.5%	0 0.0%	8 50.0%	2 12.5%	2 12.5%	3	12
11	CHURU	22	0.07	2.93	0.13	5.51	8 36.4%	2 9.1%	0 0.0%	11 50.0%	0 0.0%	1 4.5%	10	12
12	DAUSA	16	0.23	2.24	0.26	10	2 12.5%	1 6.3%	0 0.0%	5 31.3%	5 31.3%	3 18.8%	3	13
13	DHAULPUR	11	-	-	0.28	9.17	0 0.0%	0 0.0%	0 0.0%	6 54.5%	1 9.1%	4 36.4%	0	11
14	DUNGARPUR	19	0.75	0.82	0.1	10.17	2 10.5%	0 0.0%	0 0.0%	9 47.4%	4 21.1%	4 21.1%	2	17
15	GANGANAGAR	37	0.03	1.92	0.02	6.82	25 67.6%	0 0.0%	0 0.0%	8 21.6%	0 0.0%	1 2.7%	25	9
16	HANUMANGARH	31	0.05	7.6	0.05	1.35	8 25.8%	5 16.1%	1 3.2%	15 48.4%	0 0.0%	0 0.0%	14	15
17	JAIPUR	34	0.08	5.71	0.1	7.74	5 14.7%	4 11.8%	3 8.8%	13 38.2%	5 14.7%	4 11.8%	12	22
18	JAISALMER	40	0.01	1.53	0.05	11.94	13 32.5%	0 0.0%	0 0.0%	24 60.0%	2 5.0%	1 2.5%	13	27
19	JALORE	6	1.27	1.27	1.03	5.98	1 16.7%	0 0.0%	0 0.0%	2 33.3%	0 0.0%	3 50.0%	1	5
20	JHALAWAR	23	0.45	3.5	0.31	4.34	4 17.4%	1 4.3%	0 0.0%	15 65.2%	1 4.3%	2 8.7%	5	18
21	JHUNJHUNU	16	0.2	3.99	0.15	4.58	4 25.0%	2 12.5%	0 0.0%	6 37.5%	3 18.8%	1 6.3%	6	10
22	JODHPUR	25	0.05	13.75	0.2	9.26	7 28.0%	2 8.0%	2 8.0%	7 28.0%	5 20.0%	1 4.0%	11	13
23	KARAULI	15	0.28	8.6	0.15	3.05	5 33.3%	1 6.7%	1 6.7%	6 40.0%	2 13.3%	0 0.0%	7	8
24	KOTA	17	0.12	0.4	0.06	1.5	6 35.3%	0 0.0%	0 0.0%	11 64.7%	0 0.0%	0 0.0%	6	11
25	NAGAUR	16	0.17	5.1	0.1	3.63	8 50.0%	1 6.3%	1 6.3%	5 31.3%	1 6.3%	0 0.0%	10	6
26	PALI	18	0.1	7.38	0.05	4	5 27.8%	2 11.1%	2 11.1%	5 27.8%	4 22.2%	0 0.0%	9	9
27	PRATAPGARH	13	0.15	1.09	1.21	9.75	7 53.8%	0 0.0%	0 0.0%	1 7.7%	3 23.1%	2 15.4%	7	6
28	RAJSAMAND	26	0.3	4.74	0.8	9.75	6 23.1%	2 7.7%	2 7.7%	7 26.9%	3 11.5%	5 19.2%	10	15
29	SAWAI MADHOPUR	17	0.09	2.46	0.75	6.86	5 29.4%	1 5.9%	0 0.0%	5 29.4%	4 23.5%	2 11.8%	6	11
30	SIKAR	21	1.18	10.35	0.4	11.65	2 9.5%	3 14.3%	3 14.3%	7 33.3%	3 14.3%	3 14.3%	8	13
31	SIROHI	10	0.4	1.35	0.63	7.67	3 30.0%	0 0.0%	0 0.0%	5 50.0%	0 0.0%	2 20.0%	3	7
32	TONK	14	0.03	2.4	0.05	7.48	6 42.9%	1 7.1%	0 0.0%	5 35.7%	1 7.1%	1 7.1%	7	7
33	UDAIPUR	40	0.02	2.35	0.10	8.63	12 30.0%	1 2.5%	0 0.0%	11 27.5%	5 12.5%	11 27.5%	13	27
	Grand Total	744	0.01	13.75	0.02	16.16	207 27.8%	40 5.4%	37 5.0%	288 38.7%	87 11.7%	76 10.2%	284	451

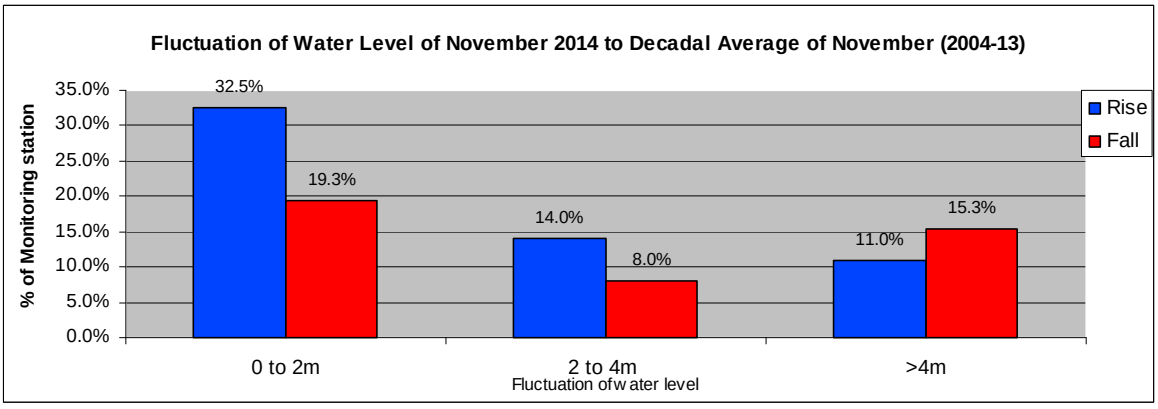
8.4. Decadal Variations

Decadal Fluctuation in the water levels of the NHS stations during different monitoring periods were analysed graphically and depicted in Fig. 8.15 shows that mostly rise is dominant over the fall. Fig. 8.15 Illustrates a comparison of the changes of the water levels during different seasons with their respective decadal averages (**Annexure- II).**

DECADAL WATER LEVEL FLUCTUATION







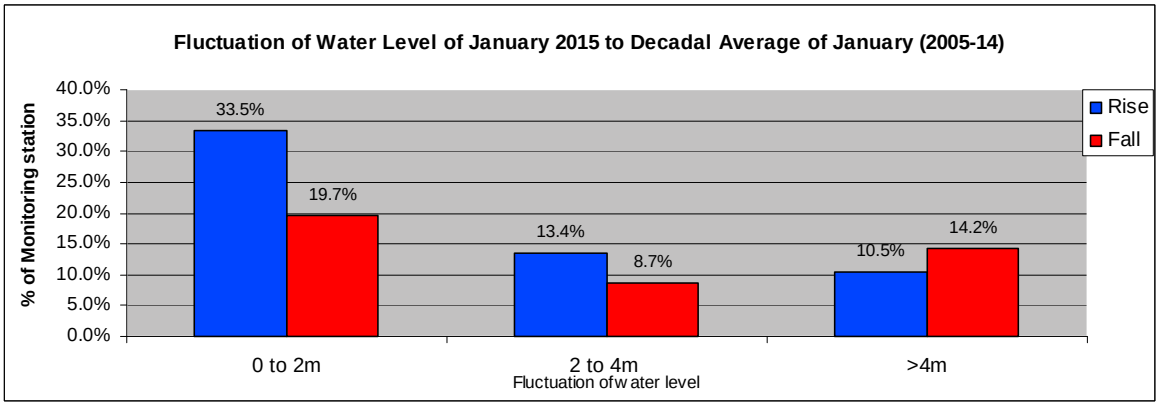


Figure : 8.15

8.4.1 Decadal average of May (2004 to May 2013) to May 2014

A comparison of the water levels of May 2014 with the average water level of the May of last one decade (Fig.-8.16, Table -17) reveals that almost equal proportion of stations have been experienced rise and fall in water in the State. Rise is mostly in the range of 0-2m (27.1 %). Rise of more than 4 m is observed mainly in the districts of Ajmer, Bharatpur, Bikaner, Ganganagar, Jaisalmer and Rajsamand. Fall in water level has been mainly recorded in North-eastern and south-western parts of the State. Fall of more than 4 m has been recorded mainly in the districts of Alwar, Bharatpur, Jaipur, Jaisalmer, Jhunjhunu, and Sikar. The maximum rise of 20.12 m has been recorded at Doli in Barmer whereas the maximum decline of 28.30 m has been observed at Tigaria in Jaipur Districts.

8.4.2 Decadal average of August (2004 to 2013) and August 2014

A comparison of the water levels of August 2014 with the average water level of the August of last one decade (Fig.8.17, Table -18) reveals that rise in water level has been experienced in 54% of stations analysed in the State. Rise is mostly in the range of 0-2m (28%). Rise of more than 4 m is observed mainly in the Districts of Ajmer, Barmer, Bhilwara, Chittourgarh, Ganganagar, Jaipur, Jodhpur, Sawaimadhopur and Tonk. Fall in water level has been mainly recorded in central parts of the State in patches extending from north east to south west direction. Fall of more than 4 m has been recorded mainly in the Districts of Alwar, Barmer, Bharatpur, Bikaner, Dausa, Jaipur, Jhunjhunu, Jodhpur and Sikar.

The maximum rise of 35.14 m has been recorded at Panchori in Nagaur whereas the maximum decline of 28.25 m has been observed at Dudhwa in Churu Districts.

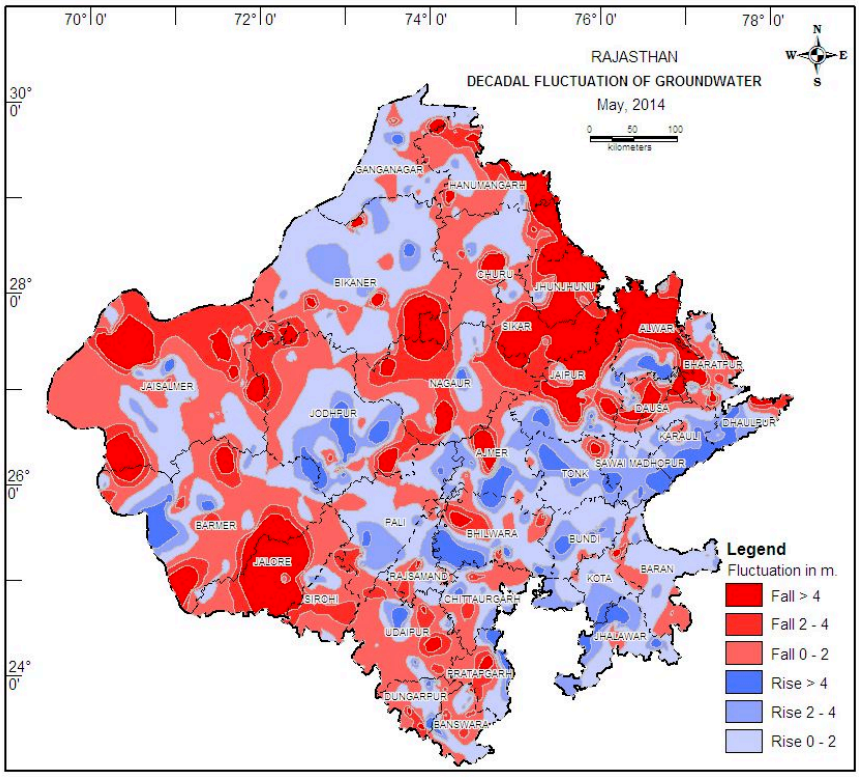


Figure : 8.16

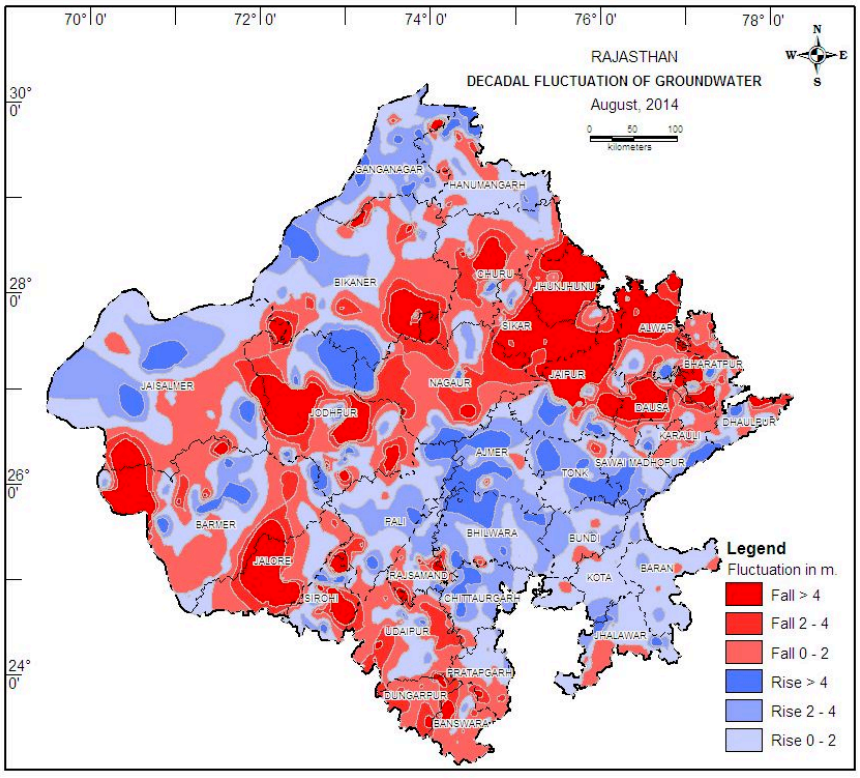


Figure : 8.17

Table - 17

WELL WISE CATEGORISATION OF CHANGES IN WATER LEVEL DURING MAY 2014 WITH RESPECT TO DECADAL AVERAGE OF MAY (2004 TO 2013)

Sr. No.	District Name	No of well analysed	Range of Fluctuation (m)				No. of Wells Showing Fluctuation						Total No. of Wells	
			Rise		Fall		Rise			Fall				
			Min	Max	Min	Max	0 to 2	2 to 4	>4	0 to 2	2 to 4	>4	Rise	Fall
1	AJMER	28	0.6	6.01	0.05	10.37	6 21.4%	10 35.7%	5 17.9%	3 10.7%	1 3.6%	3 10.7%	21	7
2	ALWAR	33	1.46	17.25	0.06	16.26	1 3.0%	1 3.0%	3 9.1%	6 18.2%	3 9.1%	19 57.6%	5	28
3	BANSWARA	29	0.5	6.1	0.07	5.54	10 34.5%	2 6.9%	1 3.4%	10 34.5%	4 13.8%	2 6.9%	13	16
4	BARAN	14	0.09	2.92	0.27	2.13	8 57.1%	2 14.3%	0 0.0%	3 21.4%	1 7.1%	0 0.0%	10	4
5	BARMER	40	0.17	20.12	0.54	13.58	12 30.0%	4 10.0%	4 10.0%	11 27.5%	5 12.5%	4 10.0%	20	20
6	BHARATPUR	37	0.07	4.36	0.06	24.76	10 27.0%	6 16.2%	1 2.7%	8 21.6%	5 13.5%	7 18.9%	17	20
7	BHILWARA	26	0.05	9.14	0.09	7.13	6 23.1%	1 3.8%	10 38.5%	3 11.5%	3 11.5%	3 11.5%	17	9
8	BIKANER	53	0.22	5.99	0.11	21.62	27 50.9%	8 15.1%	2 3.8%	10 18.9%	2 3.8%	4 7.5%	37	16
9	BUNDI	11	0.54	8.97	0.12	0.95	5 45.5%	1 9.1%	3 27.3%	2 18.2%	0 0.0%	0 0.0%	9	2
10	CHITTAURGARH	14	1.44	7.19	0.97	4.15	2 14.3%	2 14.3%	1 7.1%	6 42.9%	2 14.3%	1 7.1%	5	9
11	CHURU	28	0.01	4.68	0.05	22.53	11 39.3%	0 0.0%	1 3.6%	11 39.3%	2 7.1%	3 10.7%	12	16
12	DAUSA	15	0.81	5.57	0.43	11.08	3 20.0%	1 6.7%	1 6.7%	3 20.0%	3 20.0%	4 26.7%	5	10
13	DHAULPUR	14	0.18	8.46	2.97	8.5	3 21.4%	3 21.4%	3 21.4%	0 0.0%	3 21.4%	2 14.3%	9	5
14	DUNGARPUR	24	0.49	16.27	0.1	6.07	8 33.3%	1 4.2%	3 12.5%	9 37.5%	1 4.2%	2 8.3%	12	12
15	GANGANAGAR	39	0.14	8.72	0.04	15.03	19 48.7%	6 15.4%	1 2.6%	11 28.2%	0 0.0%	2 5.1%	26	13
16	HANUMANGARH	33	0.31	3.7	0.13	16.03	9 27.3%	3 9.1%	0 0.0%	8 24.2%	8 24.2%	5 15.2%	12	21
17	JAIPUR	37	0.05	6.77	0.19	28.3	7 18.9%	3 8.1%	5 13.5%	4 10.8%	3 8.1%	15 40.5%	15	22
18	JAISALMER	61	0.36	12.51	0.04	18.48	9 14.8%	7 11.5%	1 1.6%	20 32.8%	8 13.1%	10 16.4%	17	38
19	JALORE	9	0.02	2.57	2.02	19.01	3 33.3%	1 11.1%	0 0.0%	0 0.0%	1 11.1%	4 44.4%	4	5
20	JHALAWAR	22	0.07	7.79	0.24	3.11	7 31.8%	5 22.7%	7 31.8%	2 9.1%	1 4.5%	0 0.0%	19	3
21	JHUNJHUNU	15	1.46	4.39	0.44	13.28	1 6.7%	0 0.0%	1 6.7%	3 20.0%	2 13.3%	8 53.3%	2	13
22	JODHPUR	35	0.17	9.29	0.02	12.78	9 25.7%	3 8.6%	8 22.9%	6 17.1%	4 11.4%	2 5.7%	20	12
23	KARAULI	14	0.49	10.77	1.38	1.52	5 35.7%	4 28.6%	3 21.4%	2 14.3%	0 0.0%	0 0.0%	12	2
24	KOTA	17	0.05	3.42	0.24	7.67	6 35.3%	5 29.4%	0 0.0%	4 23.5%	1 5.9%	1 5.9%	11	6
25	NAGAUR	27	0.07	7.63	0.15	28.1	4 14.8%	5 18.5%	1 3.7%	3 11.1%	9 33.3%	2 7.4%	10	14
26	PALI	23	0.09	4.88	0.53	4.76	10 43.5%	2 8.7%	4 17.4%	3 13.0%	2 8.7%	1 4.3%	16	6
27	PRATAPGARH	16	0.14	9.71	0.26	6.03	3 18.8%	1 6.3%	2 12.5%	5 31.3%	1 6.3%	3 18.8%	6	9
28	RAJSAMAND	27	0.11	4	0.36	7.04	9 33.3%	7 25.9%	0 0.0%	5 18.5%	3 11.1%	3 11.1%	16	11
29	SAWAI MADHOPUR	16	0.77	10.09	0.1	1.16	6 37.5%	4 25.0%	4 25.0%	2 12.5%	0 0.0%	0 0.0%	14	2
30	SIKAR	28	3.86	3.86	0.34	15.84	0 0.0%	1 3.6%	0 0.0%	6 21.4%	4 14.3%	17 60.7%	1	27
31	SIROHI	10	0.3	2.62	0.21	2.88	2 20.0%	1 10.0%	0 0.0%	3 30.0%	3 30.0%	0 0.0%	3	6
32	TONK	16	0.26	8.46	1.11	6.55	4 25.0%	4 25.0%	6 37.5%	1 6.3%	0 0.0%	1 6.3%	14	2
33	UDAIPUR	40	0.36	8.00	0.06	8.09	6 15.0%	1 2.5%	4 10.0%	20 50.0%	7 17.5%	2 5.0%	11	29
	Grand Total	851	0.01	20.12	0.02	28.30	231 27.1%	105 12.3%	85 10.0%	193 22.7%	92 10.8%	130 15.3%	421	415

Table - 18

WELL WISE CATEGORISATION OF CHANGES IN WATER LEVEL DURING AUGUST 2014 WITH RESPECT TO DECADAL AVERAGE OF AUGUST (2004 TO 2013)

Sr. No.	District Name	No of well analysed	Range of Fluctuation (m)				No. of Wells Showing Fluctuation						Total No. of Wells	
			Rise		Fall		Rise			Fall				
			Min	Max	Min	Max	0 to 2	2 to 4	>4	0 to 2	2 to 4	>4	Rise	Fall
1	AJMER	28	0.92	13.53	0.37	3.14	4 14.3%	11 39.3%	10 35.7%	2 7.1%	1 3.6%	0 0.0%	25	3
2	ALWAR	34	0.12	14.48	0.05	16.53	3 8.8%	1 2.9%	1 2.9%	7 20.6%	6 17.6%	16 47.1%	5	29
3	BANSWARA	30	0.09	4.1	0.19	11.26	7 23.3%	0 0.0%	1 3.3%	12 40.0%	6 20.0%	4 13.3%	8	22
4	BARAN	14	0.1	3.19	0.07	0.27	7 50.0%	2 14.3%	0 0.0%	5 35.7%	0 0.0%	0 0.0%	9	5
5	BARMER	55	0.03	19.39	0.01	10.95	19 34.5%	5 9.1%	7 12.7%	15 27.3%	3 5.5%	6 10.9%	31	24
6	BHARATPUR	39	0.21	8.87	0.23	17.42	10 25.6%	3 7.7%	2 5.1%	9 23.1%	7 17.9%	8 20.5%	15	24
7	BHILWARA	30	0.25	7.49	0.03	3.88	6 20.0%	10 33.3%	11 36.7%	1 3.3%	2 6.7%	0 0.0%	27	3
8	BIKANER	53	0.1	6.91	0.02	18.6	21 39.6%	6 11.3%	3 5.7%	13 24.5%	4 7.5%	6 11.3%	30	23
9	BUNDI	11	0.52	9.13	1.47	1.76	4 36.4%	4 36.4%	1 9.1%	2 18.2%	0 0.0%	0 0.0%	9	2
10	CHITTAURGARH	16	0.38	13.33	0.48	3.22	3 18.8%	6 37.5%	5 31.3%	1 6.3%	1 6.3%	0 0.0%	14	2
11	CHURU	34	0.17	7.93	0.1	28.25	11 32.4%	2 5.9%	1 2.9%	11 32.4%	4 11.8%	5 14.7%	14	20
12	DAUSA	16	0.18	1.02	1.8	19.11	2 12.5%	0 0.0%	0 0.0%	1 6.3%	3 18.8%	10 62.5%	2	14
13	DHAULPUR	14	1.01	8	0.3	9.58	2 14.3%	1 7.1%	2 14.3%	4 28.6%	3 21.4%	2 14.3%	5	9
14	DUNGARPUR	23	0.36	0.95	0.12	10.85	2 8.7%	0 0.0%	0 0.0%	11 47.8%	7 30.4%	3 13.0%	2	21
15	GANGANAGAR	38	0.02	10.91	0.3	14.92	17 44.7%	10 26.3%	7 18.4%	1 2.6%	2 5.3%	1 2.6%	34	4
16	HANUMANGARH	32	0.25	14.65	0.22	4.09	10 31.3%	4 12.5%	6 18.8%	8 25.0%	3 9.4%	1 3.1%	20	12
17	JAIPUR	37	0.79	6.66	1.82	22.7	3 8.1%	4 10.8%	10 27.0%	2 5.4%	1 2.7%	17 45.9%	17	20
18	JAISALMER	44	0.01	7.68	0.03	9.41	17 38.6%	2 4.5%	4 9.1%	13 29.5%	3 6.8%	5 11.4%	23	21
19	JALORE	9	0.3	1.2	2.38	16.16	5 55.6%	0 0.0%	0 0.0%	0 0.0%	1 11.1%	3 33.3%	5	4
20	JHALAWAR	24	0.28	8.6	0.31	1.68	11 45.8%	4 16.7%	4 16.7%	5 20.8%	0 0.0%	0 0.0%	19	5
21	JHUNJHUNU	14	0.28	0.28	1.79	9.14	1 7.1%	0 0.0%	0 0.0%	1 7.1%	1 7.1%	11 78.6%	1	13
22	JODHPUR	40	0.06	9.59	0.05	19.21	13 32.5%	3 7.5%	6 15.0%	9 22.5%	1 2.5%	8 20.0%	22	18
23	KARAULI	17	0.02	10.68	0.65	10.86	7 41.2%	1 5.9%	1 5.9%	4 23.5%	2 11.8%	2 11.8%	9	8
24	KOTA	18	0.24	4.27	0.02	1.06	12 66.7%	2 11.1%	1 5.6%	3 16.7%	0 0.0%	0 0.0%	15	3
25	NAGAUR	31	0.13	35.14	0.53	5.31	5 16.1%	5 16.1%	3 9.7%	4 12.9%	7 22.6%	2 6.5%	13	13
26	PALI	21	0.45	7.25	0.51	3.97	8 38.1%	6 28.6%	2 9.5%	3 14.3%	2 9.5%	0 0.0%	16	5
27	PRATAPGARH	13	0	2.34	0.15	5.64	5 38.5%	1 7.7%	0 0.0%	5 38.5%	1 7.7%	1 7.7%	6	7
28	RAJSAMAND	28	0.22	6.29	0.21	10.86	9 32.1%	6 21.4%	3 10.7%	4 14.3%	2 7.1%	4 14.3%	18	10
29	SAWAI MADHOPUR	17	0.52	8.82	0.16	2.08	4 23.5%	3 17.6%	6 35.3%	3 17.6%	1 5.9%	0 0.0%	13	4
30	SIKAR	29	0.25	6.14	0.99	11.17	3 10.3%	1 3.4%	1 3.4%	4 13.8%	4 13.8%	16 55.2%	5	24
31	SIROHI	14	0.45	12.66	1.52	20.59	1 7.1%	3 21.4%	4 28.6%	1 7.1%	1 7.1%	4 28.6%	8	6
32	TONK	18	0.01	10.43	4.1	4.1	5 27.8%	3 16.7%	9 50.0%	0 0.0%	0 0.0%	1 5.6%	17	1
33	UDAIPUR	44	0.12	5.53	0.17	6.22	13 29.5%	2 4.5%	2 4.5%	13 29.5%	10 22.7%	4 9.1%	17	27
Grand Total		**885**	**0.00**	**35.14**	**0.01**	**28.25**	**250 28.2%**	**111 12.5%**	**113 12.8%**	**177 20.0%**	**89 10.1%**	**140 15.8%**	**474**	**406**

8.4.3 Decadal average of November (2004 - 2013) to November 2014

A comparison of the water level of the November, 2014 with the average water level of the November of last one decade (Fig.-8.18, Table -19) reveals that rise in water level is experienced in 57.5% of stations analysed in the State. Rise is mostly in the range of 0-2m (32.5 %), 2 to 4 m (14%) and more then 4m (11.0%). Rise is observed mainly south eastern and north western parts in patches in the districts of Ajmer, Baran, Bhilwara, Bikaner, Bundi, Chittourgarh, Churu, Dungarpur, Ganganagar, Hanumangarh, Jhalawar, Kota, Pali, Partapgarh, Rajsamand, SawaiMadhopur, Tonk and Udaipur. The minimum rise of 0.01 m is recorded at Sanlor in Barmer district, whereas maximum rise of 28.10 m is recorded at Govindgarh in Alwar District.

Fall in water level is mainly recorded in the central parts of the State extending from East to West direction. Fall of more than 4 m (15%) is exist in the Eastern parts mostly covering the district of Alwar, Dausa, Jaipur, Jalore, Jhunjhunu, and in the western side in the district of Sirohi. Fall of 2 to 4m and more than 4 m occurs in 8% and 19.3% of stations in isolated patches and scattered in north eastern and south western parts of the State covering Alwar, Banswara, Dausa, Hanumangarh, Jaipur, Jhunjhunu, Nagaur, and Sirohi Districts. A minmum fall of 0.02 m is recorded at Kelwara in Baran district whereas maximum fall of 22.54 m is recorded at Gijgarh in Dausa District.

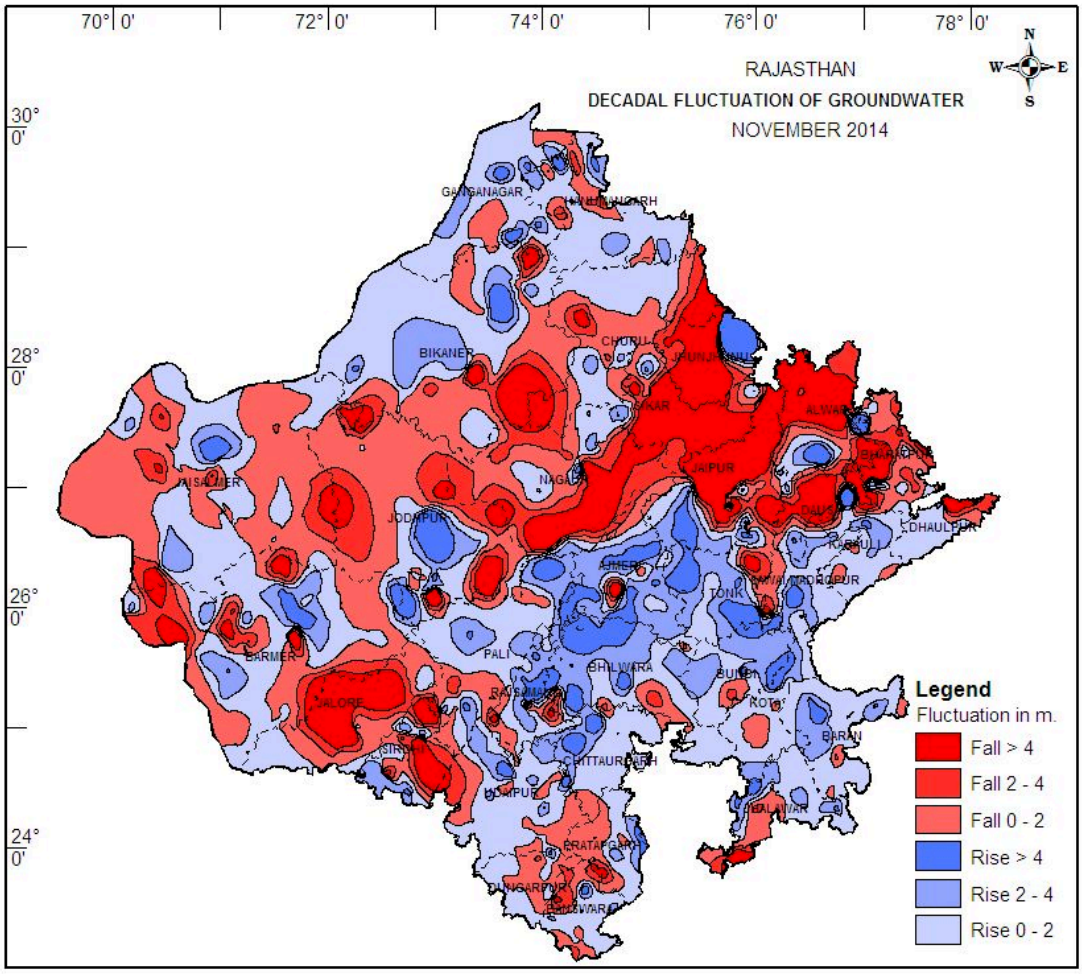


Figure : 8.18

8.4.4 Decadal average of January (2005 - 2014) to January 2015

A comparison of the water level of the January, 2015 with the average water level of the January of last one decade (Fig.- 8.19, Table -20) reveals that rise in water level is experienced in 42.6% of stations analysed in the State. Rise in Water Level has observed mainly in south east central and north western parts. Rise in Water Level in the range of 0-2 m. has occurred in 33.5% stations Scattered in all the Districts except Jalore and Jhunjhunu. Rise in Water Level in the range of 2 to 4 m. has observed in 13.4% stations in patches mainly in Ajmer, Bundi, Jhalawar, Kota, Nagaur, Sawai-madhopur and scattered in small patches in other Districts, except Jalore, Jhunjhunu and Sikar. Rise more than 4 m. has observed in 10.5% stations mainly in Ajmer, Bhilwara, Bundi, Chittorgarh, Jaipur, Jhalawar, Jodhpur, Karauli, Partapgarh, Rajsamand, and Tonk. Districts.The minimum rise of 0.01 m is recorded at Kotr1 in Banswara District, whereas maximum rise of 16.57 m is recorded at Doli in Barmer District.

About 19.7% of the stations shows fall in water level of 0 to 2 m. mostly in the north eastern and west central Districts in the state scattered mainly in Alwar, Barmer, Bhilwara, Bikaner, Dausa, Dholpur, Dungarpur, Jaipur, Jaisalmer, Jalore,Jhunjhunu, Sirohi and Udaipur. Fall in water level of 2 to 4 m. occurred in 8.7% stations in patches in parts of Alwar, Banswara, Barmer, Dungarpur, Hanumangarh, Jaisalmer, Jalore, Jhunjhunu, Jodhpur, Sikar, Sirohi and Udaipur Districts. Fall more than 4 m occurs in 14.2% stations in isolated small patches and scattered mainly in north eastern and south central parts of the State covering Alwar, Barmer, Bhilwara, Dausa, Dhaulpur, Jaipur, Jaisalmer, Jalore, Jhunjhunu, Sirohi and Udaipur Districts. A minmum fall of 0.01 m. is recorded at Bhukarka in Hanumangarh District and maximum fall of 24.53 m. is recorded at Kolu in Jodhpur District.

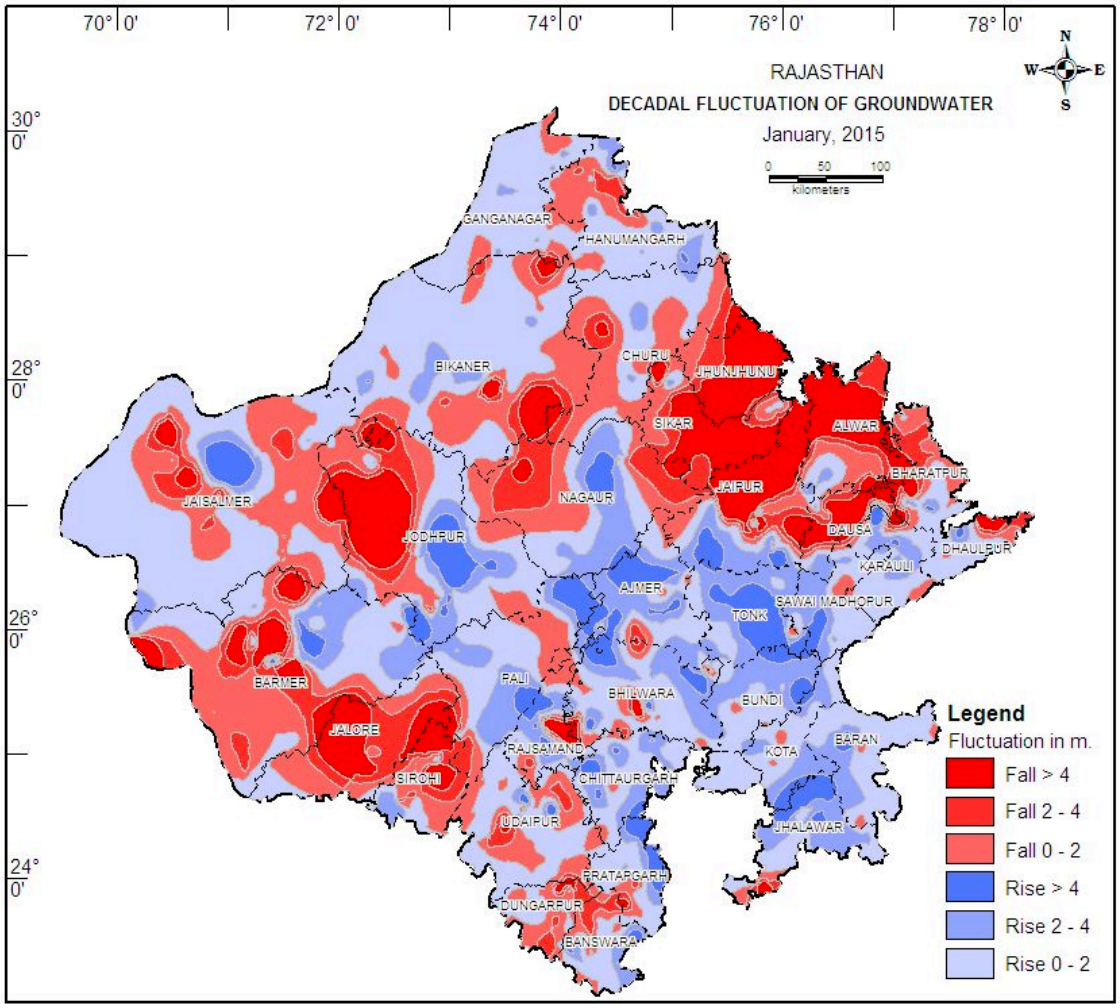


Figure : 8.19

Table - 19

WELL WISE CATEGORISATION OF CHANGES IN WATER LEVEL DURING NOVEMBER 2014 WITH RESPECT TO DECADAL AVERAGE OF NOVEMBER (2004 TO 2013)

Sr. No.	District Name	No of well analysed	Range of Fluctuation (m)				No. of Wells Showing Fluctuation						Total No. of Wells	
			Rise		Fall		Rise			Fall				
			Min	Max	Min	Max	0 to 2	2 to 4	>4	0 to 2	2 to 4	>4	Rise	Fall
1	AJMER	25	0.26	6.15	1.06	8.61	5 20.0%	7 28.0%	10 40.0%	2 8.0%	0 0.0%	1 4.0%	22	3
2	ALWAR	35	0.62	28.1	0.08	15.15	2 5.7%	2 5.7%	2 5.7%	5 14.3%	7 20.0%	17 48.6%	6	29
3	BANSWARA	29	0.3	6.07	0.07	5.44	11 37.9%	3 10.3%	1 3.4%	6 20.7%	6 20.7%	2 6.9%	15	14
4	BARAN	19	0.14	5.62	0.02	2.46	9 47.4%	1 5.3%	5 26.3%	3 15.8%	1 5.3%	0 0.0%	15	4
5	BARMER	53	0.01	16.01	0.06	10.37	20 37.7%	5 9.4%	6 11.3%	12 22.6%	2 3.8%	8 15.1%	31	22
6	BHARATPUR	36	0.07	4.76	0.03	18.35	11 30.6%	2 5.6%	1 2.8%	12 33.3%	4 11.1%	6 16.7%	14	22
7	BHILWARA	29	0.44	9.25	0.09	3.37	8 27.6%	8 27.6%	7 24.1%	2 6.9%	4 13.8%	0 0.0%	23	6
8	BIKANER	42	0.08	11.25	0.24	19.4	19 45.2%	6 14.3%	2 4.8%	7 16.7%	4 9.5%	4 9.5%	27	15
9	BUNDI	11	1.32	6.38	0.03	2.98	2 18.2%	5 45.5%	1 9.1%	2 18.2%	1 9.1%	0 0.0%	8	3
10	CHITTAURGARH	15	0.33	10.43	0	0.33	6 40.0%	4 26.7%	3 20.0%	2 13.3%	0 0.0%	0 0.0%	13	2
11	CHURU	24	0.04	3.15	0.13	6.32	12 50.0%	2 8.3%	0 0.0%	6 25.0%	3 12.5%	1 4.2%	14	10
12	DAUSA	18	2.68	4.19	0.14	22.54	0 0.0%	1 5.6%	1 5.6%	3 16.7%	1 5.6%	12 66.7%	2	16
13	DHAULPUR	13	0.43	3.11	0.45	13.95	5 38.5%	2 15.4%	0 0.0%	1 7.7%	3 23.1%	2 15.4%	7	6
14	DUNGARPUR	20	0.06	4.73	0.15	2.4	11 55.0%	0 0.0%	1 5.0%	6 30.0%	2 10.0%	0 0.0%	12	8
15	GANGANAGAR	36	0.31	9.79	0.05	3.39	21 58.3%	3 8.3%	5 13.9%	6 16.7%	1 2.8%	0 0.0%	29	7
16	HANUMANGARH	32	0.02	7.7	1	4.16	14 43.8%	5 15.6%	3 9.4%	3 9.4%	6 18.8%	1 3.1%	22	10
17	JAIPUR	41	0.29	7.05	0.06	17	4 9.8%	4 9.8%	8 19.5%	4 9.8%	1 2.4%	20 48.8%	16	25
18	JAISALMER	45	0.03	6.96	0.24	7.86	17 37.8%	2 4.4%	1 2.2%	15 33.3%	3 6.7%	7 15.6%	20	25
19	JALORE	11	0.44	1.81	0.17	17.1	4 36.4%	0 0.0%	0 0.0%	3 27.3%	1 9.1%	3 27.3%	4	7
20	JHALAWAR	26	0.17	5.46	0.26	9.67	9 34.6%	7 26.9%	4 15.4%	3 11.5%	2 7.7%	1 3.8%	20	6
21	JHUNJHUNU	12	-	-	2.18	9.96	0 0.0%	0 0.0%	0 0.0%	0 0.0%	2 16.7%	10 83.3%	0	12
22	JODHPUR	32	0.15	9.92	0.1	15.93	9 28.1%	5 15.6%	4 12.5%	8 25.0%	2 6.3%	4 12.5%	18	14
23	KARAULI	16	0.73	16.52	0.25	3.54	5 31.3%	4 25.0%	2 12.5%	4 25.0%	1 6.3%	0 0.0%	11	5
24	KOTA	18	0	9.62	0.08	1.04	9 50.0%	1 5.6%	2 11.1%	6 33.3%	0 0.0%	0 0.0%	12	6
25	NAGAUR	25	0.2	5.95	0.74	14.44	7 28.0%	3 12.0%	2 8.0%	6 24.0%	3 12.0%	4 16.0%	12	13
26	PALI	22	0.89	7.03	0.5	3.71	10 45.5%	3 13.6%	3 13.6%	4 18.2%	2 9.1%	0 0.0%	16	6
27	PRATAPGARH	17	0.14	7.88	0.33	5.53	7 41.2%	2 11.8%	1 5.9%	5 29.4%	1 5.9%	1 5.9%	10	7
28	RAJSAMAND	24	0.14	7.83	0.47	6.26	8 33.3%	6 25.0%	4 16.7%	3 12.5%	0 0.0%	3 12.5%	18	6
29	SAWAI MADHOPUR	18	0.15	9.23	0.24	0.43	5 27.8%	8 44.4%	2 11.1%	3 16.7%	0 0.0%	0 0.0%	15	3
30	SIKAR	23	2.13	4.54	0.18	19.61	0 0.0%	2 8.7%	1 4.3%	4 17.4%	2 8.7%	14 60.9%	3	20
31	SIROHI	15	0.15	5.78	0.41	17.68	3 20.0%	3 20.0%	2 13.3%	1 6.7%	1 6.7%	5 33.3%	8	7
32	TONK	15	0.22	9.23	5.91	6.81	3 20.0%	5 33.3%	5 33.3%	0 0.0%	0 0.0%	2 13.3%	13	2
33	UDAIPUR	41	0.05	7.94	0.04	2.19	16 39.0%	6 14.6%	3 7.3%	15 36.6%	1 2.4%	0 0.0%	25	16
	Grand Total	838	0.00	28.10	0.00	22.54	272 32.5%	117 14.0%	92 11.0%	162 19.3%	67 8.0%	128 15.3%	481	357

Table - 20

WELL WISE CATEGORISATION OF CHANGES IN WATER LEVEL DURING JANUARY 2015 WITH RESPECT TO DECADAL AVERAGE OF JANUARY (2005 TO 2014)

Sr. No.	District Name	No of well analysed	Range of Fluctuation (m)				No. of Wells Showing Fluctuation						Total No. of Wells	
			Rise		Fall		Rise			Fall				
			Min	Max	Min	Max	0 to 2	2 to 4	>4	0 to 2	2 to 4	>4	Rise	Fall
1	AJMER	26	0.11	8.12	0.14	3	5 19.2%	8 30.8%	9 34.6%	3 11.5%	1 3.8%	0 0.0%	22	4
2	ALWAR	31	1.41	2.81	0.06	15.04	2 6.5%	1 3.2%	0 0.0%	6 19.4%	3 9.7%	19 61.3%	3	28
3	BANSWARA	30	0.01	6.26	0.34	3.76	15 50.0%	1 3.3%	3 10.0%	5 16.7%	6 20.0%	0 0.0%	19	11
4	BARAN	19	0.44	7.06	0.15	2.63	11 57.9%	3 15.8%	2 10.5%	2 10.5%	1 5.3%	0 0.0%	16	3
5	BARMER	49	0.02	16.57	0.03	21.88	15 30.6%	3 6.1%	5 10.2%	11 22.4%	4 8.2%	11 22.4%	23	26
6	BHARATPUR	26	0.28	5.31	0.06	17.83	6 23.1%	2 7.7%	2 7.7%	5 19.2%	9 34.6%	2 7.7%	10	16
7	BHILWARA	30	0.1	6.57	0.1	10.78	7 23.3%	5 16.7%	7 23.3%	6 20.0%	1 3.3%	4 13.3%	19	11
8	BIKANER	48	0.02	4.37	0.06	13.09	24 50.0%	6 12.5%	1 2.1%	10 20.8%	3 6.3%	4 8.3%	31	17
9	BUNDI	12	0.6	10.51	0.65	0.65	5 41.7%	4 33.3%	2 16.7%	1 8.3%	0 0.0%	0 0.0%	11	1
10	CHITTAURGARH	17	0.02	7.17	0.8	1.79	7 41.2%	3 17.6%	5 29.4%	2 11.8%	0 0.0%	0 0.0%	15	2
11	CHURU	26	0.08	3.67	0.19	5.43	12 46.2%	2 7.7%	0 0.0%	10 38.5%	1 3.8%	1 3.8%	14	12
12	DAUSA	16	0.6	3.71	0.4	12.88	1 6.3%	2 12.5%	0 0.0%	4 25.0%	0 0.0%	9 56.3%	3	13
13	DHAULPUR	12	0.22	5.1	0.28	8.53	6 50.0%	1 8.3%	1 8.3%	1 8.3%	1 8.3%	2 16.7%	8	4
14	DUNGARPUR	23	0.02	2.63	0.07	8.16	11 47.8%	1 4.3%	0 0.0%	6 26.1%	3 13.0%	2 8.7%	12	11
15	GANGANAGAR	39	0.04	3.02	0	1.3	24 61.5%	9 23.1%	0 0.0%	6 15.4%	0 0.0%	0 0.0%	33	6
16	HANUMANGARH	31	0.17	5.4	0.02	3.93	8 25.8%	4 12.9%	2 6.5%	12 38.7%	5 16.1%	0 0.0%	14	17
17	JAIPUR	38	0.28	7.35	0.4	20.89	2 5.3%	6 15.8%	8 21.1%	5 13.2%	1 2.6%	16 42.1%	16	22
18	JAISALMER	46	0.05	11.4	0.06	16.09	19 41.3%	1 2.2%	1 2.2%	12 26.1%	7 15.2%	6 13.0%	21	25
19	JALORE	6	-	-	0.75	17.09	0 0.0%	0 0.0%	0 0.0%	1 16.7%	1 16.7%	4 66.7%	0	6
20	JHALAWAR	26	0.04	10.12	1	6.43	11 42.3%	8 30.8%	5 19.2%	1 3.8%	0 0.0%	1 3.8%	24	2
21	JHUNJHUNU	19	-	-	1.15	13.37	0 0.0%	0 0.0%	0 0.0%	2 10.5%	5 26.3%	12 63.2%	0	19
22	JODHPUR	29	0.03	9.58	0.08	24.53	8 27.6%	3 10.3%	6 20.7%	7 24.1%	3 10.3%	2 6.9%	17	12
23	KARAULI	17	0.33	14.8	0.53	2.53	8 47.1%	3 17.6%	4 23.5%	1 5.9%	1 5.9%	0 0.0%	15	2
24	KOTA	17	0.23	3.74	0.52	0.66	7 41.2%	7 41.2%	0 0.0%	3 17.6%	0 0.0%	0 0.0%	14	3
25	NAGAUR	17	0.37	7.93	0.66	4.82	3 17.6%	6 35.3%	2 11.8%	4 23.5%	1 5.9%	1 5.9%	11	6
26	PALI	19	0.27	7.6	0.08	3.16	10 52.6%	3 15.8%	2 10.5%	3 15.8%	1 5.3%	0 0.0%	15	4
27	PRATAPGARH	14	0.12	7.13	0.81	5.93	6 42.9%	2 14.3%	3 21.4%	1 7.1%	1 7.1%	1 7.1%	11	3
28	RAJSAMAND	26	0.53	11.84	0.33	8.35	6 23.1%	5 19.2%	4 15.4%	7 26.9%	2 7.7%	2 7.7%	15	11
29	SAWAI MADHOPUR	18	0.64	6.75	0.97	1.47	7 38.9%	7 38.9%	2 11.1%	2 11.1%	0 0.0%	0 0.0%	16	2
30	SIKAR	23	0.69	4.17	1.31	14.27	2 8.7%	0 0.0%	1 4.3%	4 17.4%	3 13.0%	13 56.5%	3	20
31	SIROHI	12	0.02	3.8	0	14.98	6 50.0%	1 8.3%	0 0.0%	1 8.3%	2 16.7%	2 16.7%	7	5
32	TONK	14	0.64	8.69	2.1	2.1	4 28.6%	2 14.3%	7 50.0%	0 0.0%	1 7.1%	0 0.0%	13	1
33	UDAIPUR	42	0.16	7.19	0.00	5.79	16 38.1%	1 2.4%	2 4.8%	17 40.5%	4 9.5%	2 4.8%	19	23
	Grand Total	818	0.02	16.57	0.00	24.53	274 33.5%	110 13.4%	86 10.5%	161 19.7%	71 8.7%	116 14.2%	470	348

9.0 HYDROCHEMISTRY

For the evaluation of Hydro-Chemical status and distribution of various chemical constituents in Ground water of Rajasthan state, 561 water samples were collected from NHS during May, 2014 and were chemically analyzed in chemical laboratory. The detailed chemical analysis results of 561 ground water samples (district wise) have been given in Annexure 3. Table - 21 Shows standards for drinking use and Table - 22 Shows distribution of Major constituents in percent where the principal chemical constituents are (1) within Acceptable limit (2) permissible limit and (3) beyond permissible limit. District wise percentages of stations where the Major chemical constituents are beyond permissible limit for drinking water have been shows in Table - 23. District wise distribution of major constituents in (1) within Acceptable limit (2) permissible limit (3) beyond permissible limit has been shown in Table - 24 and 25. District-wise minimum and maximum values of various chemical constituents are given in Table 26 and 27.

9.1 Standards for drinking use:-

The presence of various chemical constituents in excess quantity in water affects the human health adversely. In our country Bureau of Indian Standard has prescribed standard limits for drinking purpose (IS-10500: 2012). The Acceptable limit and permissible limits for major constituents and their probable effects on human body have been shown in the following table

TABLE – 21 Standards for drinking use

S. No.	Constituents	Acceptable limit (ppm)	Permissible limit (ppm)	Probable effects
1	TDS	500	2000	Beyond limit water bitter in taste and can cause stomach disorder.
2	Chloride	250	1000	Indigestion, bitter taste
3	Sulphate	200	400 (if Mg does not exceeds 30ppm)	Causes stomach disorder.
4	Nitrate	45	-	Mathaemoglobinaemia in bottle fed infants and Gastro-intestinal problems.
5	Fluoride	1	1.5	Above permissible limit causes skeletal and dental fluorosis and non skeletal manifestation.
6	Total	200	600	Calcification of arteries, urinary

	Hardness			concretions, diseases of kidney or bladder, stomach disorder.
7	Calcium	75	200	Insufficiency causes rickets, excess causes stones in kidney or bladder, essential for human health.
8	Magnesium	30	100	Its salts are cathartic & diuretic, excess is laxative.
9	Iron	0.3	No relaxation	Bitter sweet taste, staining of laundry, trace is essential for nutrition.

9.2 Quality of Ground Water

For the beneficial use of water its purity is essential otherwise it may affect human health adversely. The quality of water depends on its physical and chemical properties. Physical properties include colour, odour and turbidity which can be determined by our senses. The chemical properties depend on the nature and quantity of various chemical constituents individually or jointly. The possible sources, effect on human health & distribution of some major Chemical constituents have been discussed below –

TABLE - 22-Distribution of Major constituents in Rajasthan, 2014-15

S.No.	Limit					CONSTITUENTS IN PERCENT				
		TDS	Cl	SO4	F	NO3	TH	Ca	Mg	Fe
1	AL*	16.76	54.37	65.42	54.72	57.22	18.36	63.1	26.92	61.85
2	PL*	57.75	35.12	17.47	17.83	-	61.5	31.55	56.32	
3	BPL*	25.49	10.51	17.11	27.45	42.78	20.14	5.35	16.76	38.15

AL*=Acceptable Limit PL*= Permissible Limit BPL*=Beyond Permissible Limit

9.2.1. Total dissolved Solids (TDS) -

In drinking water total dissolved solids are include primarily by inorganic salts with small concentration of organic matter. Major contribution to TDS in water is the natural contact with rocks and soils with minor contribution from pollution.

In drinking water if the TDS value exceeds 2000 mg/L, laxative effects are observed in those not accustomed to such salinity.

Table - 22 shows that 16.76 % of hydrograph stations monitored have TDS value within Acceptable limit 57.75 % stations have values within permissible limit and rest 25.49 % stations have TDS value beyond permissible limit (2000 mg/L). From table- 23 it is evident that in Barmer, Bharatpur, Churu, Jodhpur and Nagaur districts high TDS values have been observed as more than 50 % stations have high TDS value while in Pali 47.37, Ganganagar 46.15 %, Jaisalmer 46.15 % & Jalore 44.44 % of stations have TDS values beyond permissible limit. The minimum value of TDS has been found at Raipur (Sawaimadhopur) as 78 mg/L and maximum value as 12038 mg/l Bhavi (Jodhpur). Fig 9.1 and Table- 27 shows the Distribution of Electrical Conductance in Ground Water of Rajasthan.

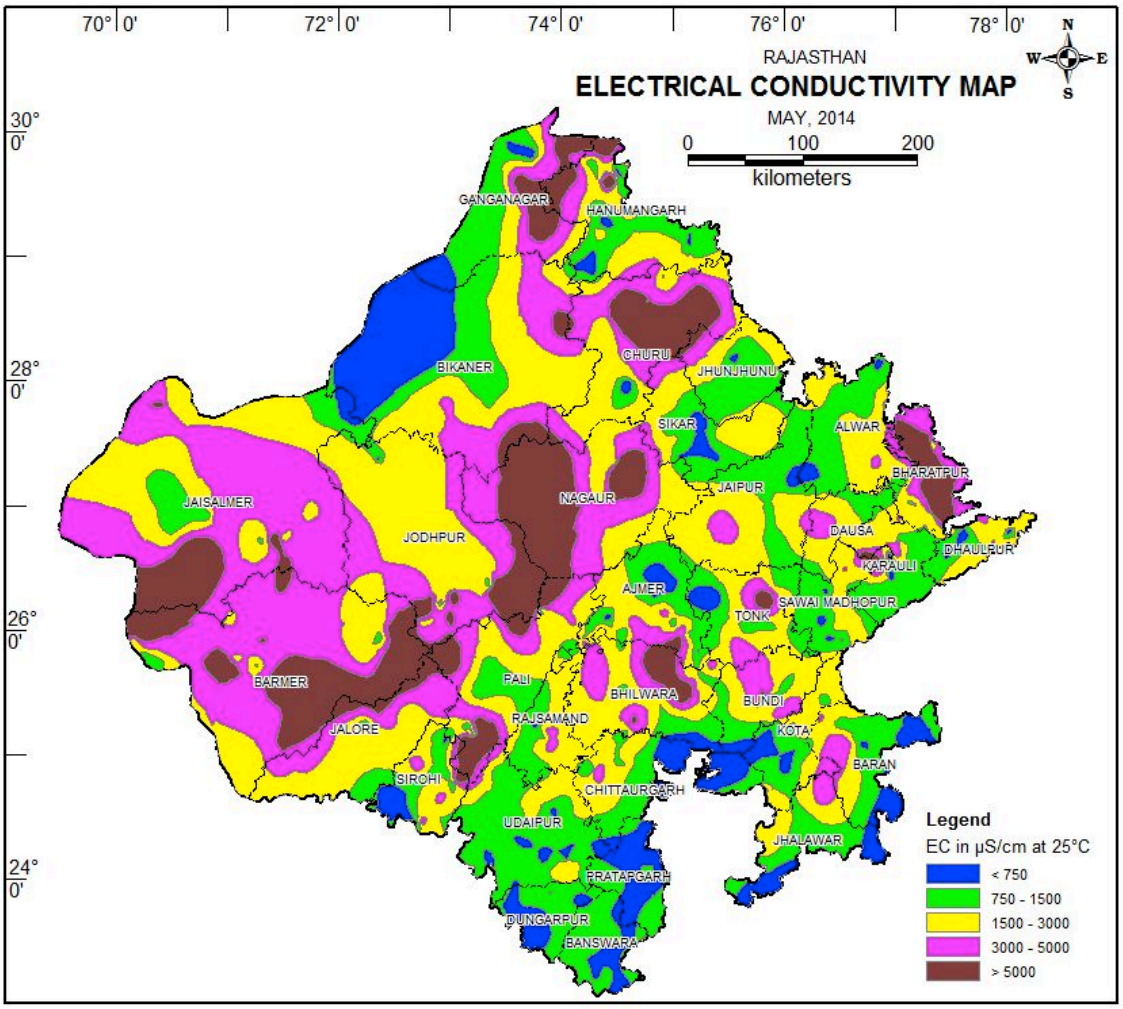


Figure : 9.1

9.2.2 Chloride (Cl) -

It is one of the most common constituent present in natural water and remains soluble in water unaffected by biological processes therefore reducible by dilution. Sea water intrusion and natural mineral origin can also be a cause of high chloride content. Industrial effluents (galvanizing plants, water softening plants, oil wells, refineries and paper works) may also leach into ground water. Sewage effluents contain a larger concentration of Chlorides. Chloride ions have some functions in the body. The tolerance limits of chloride vary with climate and excretion. Individual high concentration of chloride affect by the heart and kidney disease.

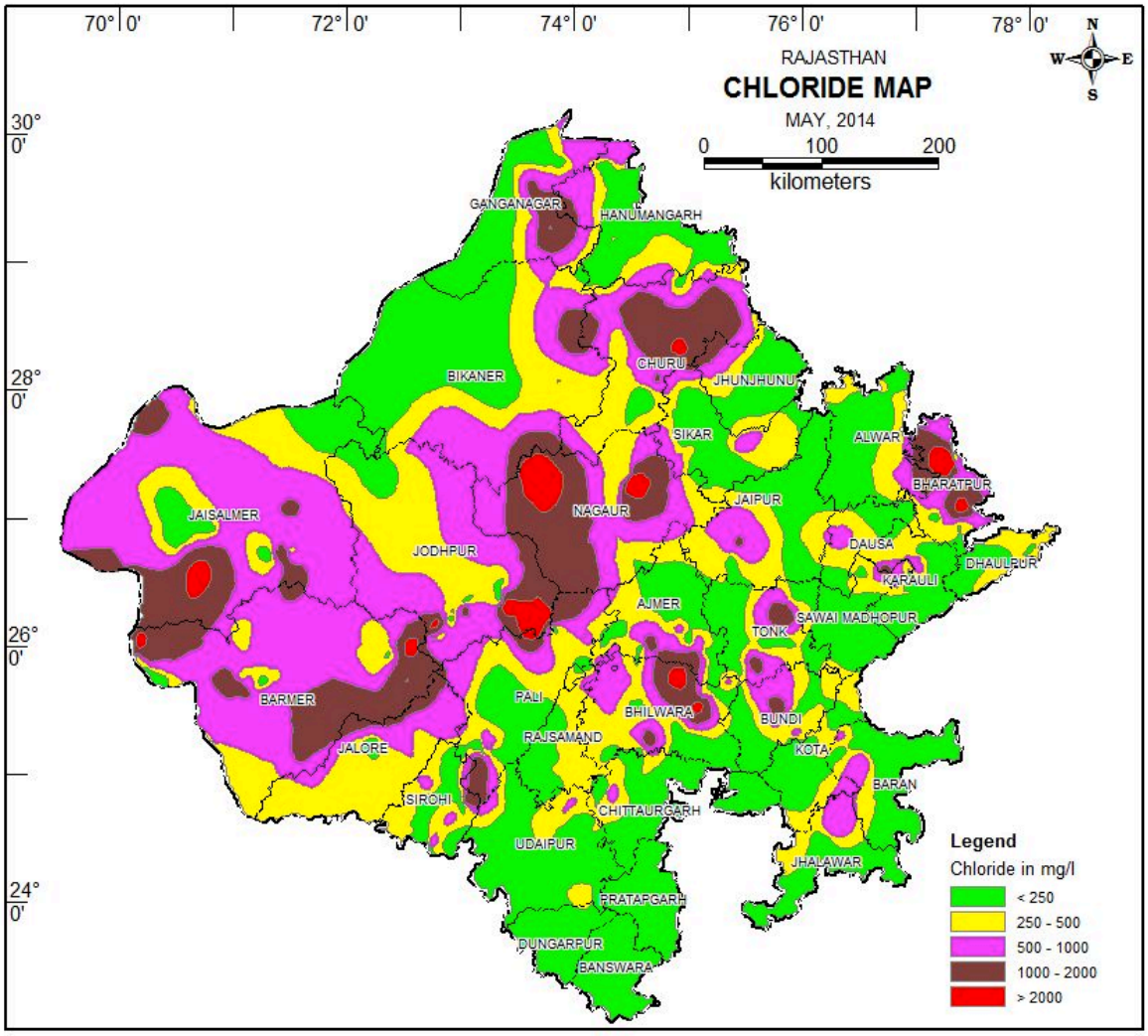


Figure : 9.2

In 561 water samples only 10.50% have chloride value beyond permissible limit of 1000 mg/L and rest 54.40% and 35.10% samples have values within Acceptable limit and permissible limit shown in table 22 respectively. In the districts of Bharatpur (32.14%), Barmer (23.33%) and Nagaur (33.00%)of stations have chloride value beyond permissible limit of 1000mg/l shown in Table 23. In the districts of Alwar, Banswara, Baran, Chittorgarh, Dausa,

Dhaulpur, Hanumangarh, Jalore, Rajsamand, Sawaimadhopur, Sikar, Dungarpur, Kota, Jhalawar, Udaipur and Pratapgarh, no station has chloride value beyond permissible limit of 1000 mg/L shown in Table 23. The maximum value of chloride as 4880 mg/L has been found at Bhawi (Jodhpur district) and minimum value as 14 mg/L have been found in Dausa, Bikaner and Hanumangarhat district shown in Table 26. The distribution of Chloride in Ground Water is given in Fig. 9.2.

9.2.3. Sulphate (SO_4) –

Sulphates are found in natural water in the final oxidized state of sulfides, Sulfites and thiosulphates or in the oxidized stage of organic matter in the sulphur cycle; in all cases as a product of pollution sources related to mining or industrial waste, Detergents add Sulphate to sewage, Tanneries, Steel mills, textile plants may contaminate water. Sulphate ions when associated with high concentration of Magnesium and sodium ions act as laxative and may cause gastric disorders. Table 22 shows that 65.42 % of stations have sulphate value within Acceptable limit. Only 17.11% stations have sulphate value beyond permissible limit. In Ganganagar (53.85), Barmer (50.00%), Jaisalmer (42.31%), Nagaur (41.33) and Jalore (33.33%) of stations have Sulphate value beyond 400 mg/l (Table 23).

The minimum value 2.0 mg/L of sulphate in Rajasthan has been observed at Suhagpura in Pratapgarh district. The maximum value of sulphate as 2250(mg/L) has been observed at Barani (Nagaur district). The distribution of sulphate in ground water is shown in Table 26

9.2.4. Nitrate (NO_3) -

Sources of Nitrate are mineral deposits (sodium and potassium nitrates), soils, sea water and atmosphere. Nitrate is used as a fertilizer, as a food preservative and as an oxidizing agent in the chemical industries. Higher concentrations are expected where fertilizers are used extremely in decayed animals and vegetable matter, in leachates from sludge and refuge disposal and in industrial discharges. Higher concentration of nitrate causes mathaemoglobinaemia disease in bottle fed infants (3 months old). Gastrointestinal disorders are also founds. It may also have adverse effect on central nervous and cardio vascular system.

Barmer, Churu, Jalore, Jhalawar, Jhodhpur Tonk, Rajsamand, Sirohi and Nagaur districts are much affected with nitrate concentration as more than 50 % of stations have nitrate values beyond permissible limit (Table 23). Chittorgarh, Bhilwara, Jaipur, Karauli, Pali, Sikar, Sawaimadhopur and Jaisalmer, districts are contaminated (40 to 50 %). Around 57.22 %

of stations have nitrate values within Acceptable limit limit and rest 44.78 % stations have value beyond permissible limit (Table 22).The minimum value of nitrate in Rajasthan has been observed as 0.0 mg/L in Dausa, Jalore, Ganganagar, Churu, Pali, Bundi and Bharatpur districts. The maximum value of nitrate as 1250 (mg/L) has been observed at Nangli of (Churu) district shown in Table 26. The distribution Nitrate in Ground Water of Rajasthan is given in Fig.-9.3.

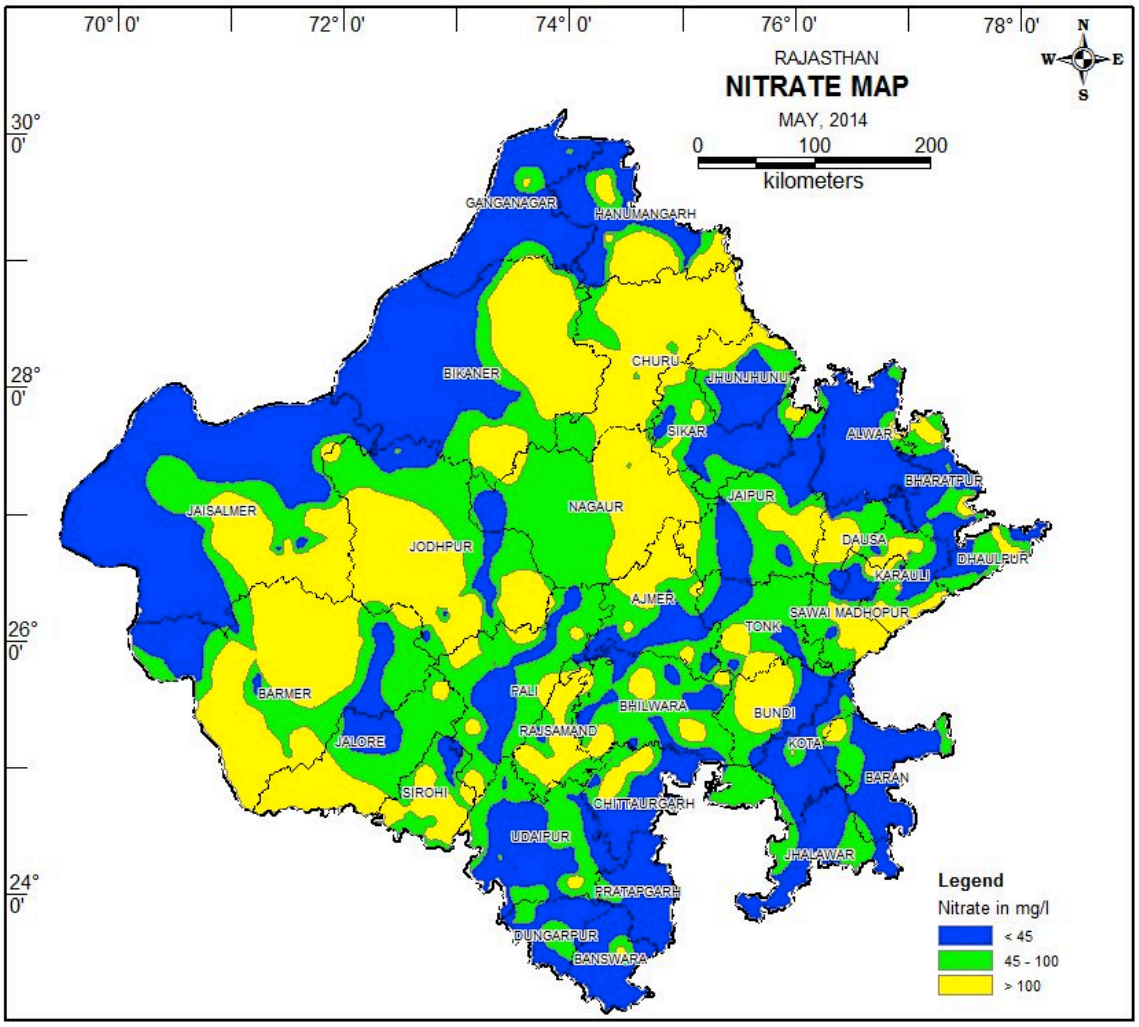


Figure : 9.3

9.2.5. Fluoride (F) -

Fluoride is an inherent component of igneous rocks. The main sources of fluoride in natural water are fluorite (CaF2), Cryolite (Na2AlF2), Fluorapatite. In minerals like mica, amphilaiboles and topaz etc, the fluoride ions are bound on the mineral surfaces. Food with

high concentration in the diet is the major source of fluoride. Fluoride reduces dental carries; very high concentration may cause crippling skeletal fluorosis in human body. Less than 1.0 mg/L is essential.

Occurrence of high fluoride in the ground water of Rajasthan is a great concern as 27.50 % of 561 ground water samples collected for chemical analysis contain fluoride value beyond permissible limit of 1.5 mg/L. Around 57.70 and 17.80 % of stations are within Acceptable and permissible limit respectively. Jalore, Sirohi, Bhilwara are worst affected districts with fluoride contamination where more than 50 % of stations have fluoride value greater than 1.5 mg/L & 35% - 50% samples were found in Bikaner, Dausa, Churu, Pali, Nagaur and Tonk districts. The district of Chittorgarh, Jhalawar, Kota and Baran appears to be free from fluoride contamination (table 23). The minimum value of fluoride has been observed as 0.0 mg/L at Baroda Meo in Alwar district and the maximum value of 9.32 mg/L has been observed at Hasanpura of Alwar district shown in Table 27. The distribution of Fluoride in Ground Water of Rajasthan is given in Fig.-9.4.

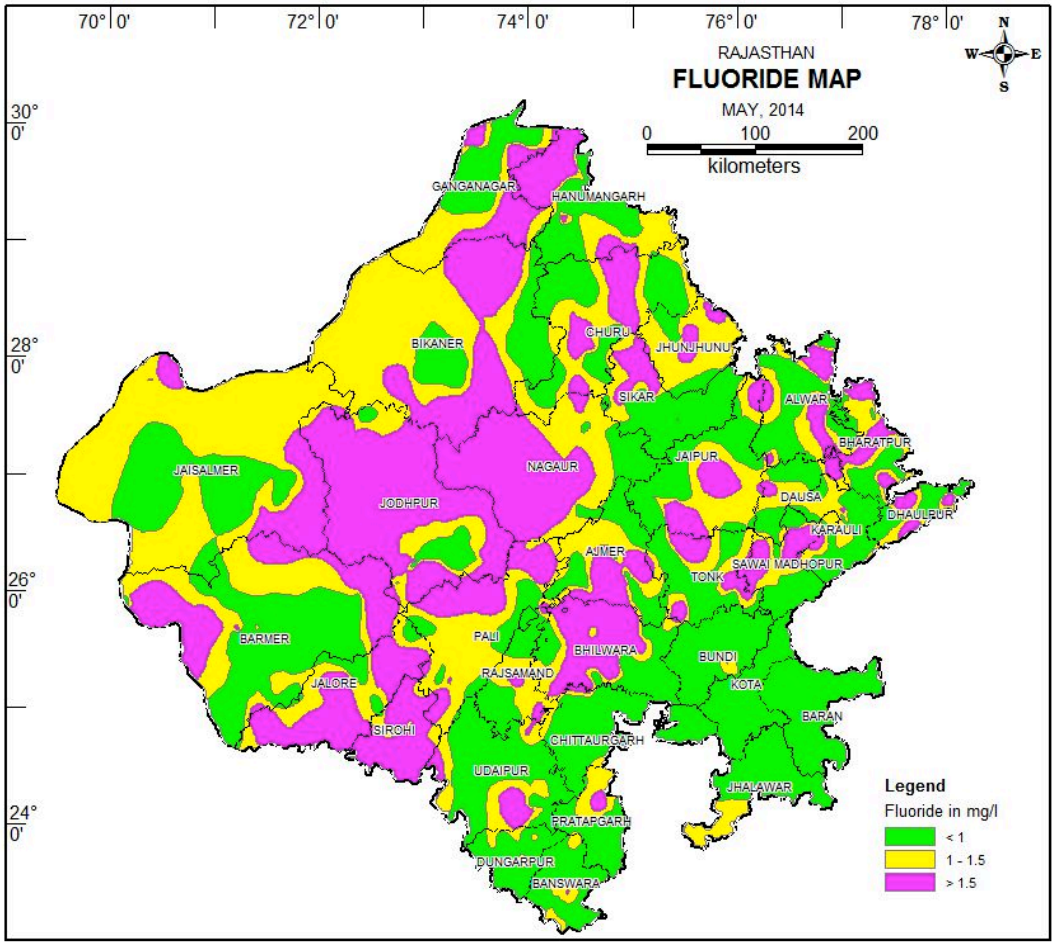


Figure : 9.4

9.2.6 Total Hardness -

It is primarily determined by sum of calcium and magnesium ions expressed as calcium carbonate. Other substances such as iron, manganese, aluminium, strontium, zinc may also contribute to a very small extent due to low solubility. An inverse correlation between hardness of water & cardiovascular diseases (heart, hypertension and stroke) has been observed . High concentration may cause calcification of arteries, urinary concretions and stomach disorder.

Table 22 shows that 18.36% of stations are within Acceptable limit of 200 mg/ L. Only 20.14 % of stations have value beyond permissible limit of 600 mg/L. Around 61.50 % stations having permissible limit. Bharatpur is the worst affected district where 50.00 % or more stations have Total Hardness value beyond permissible limit. In Alwar, Dungarpur, Jhunjhunu Pratapgarh & Sikar districts no sample have Total Hardness value beyond permissible limit shown in Table 23

The minimum value of hardness as 50 mg/L has been found at Mittasar of Churu district & also minimum value of Total hardness 50 mg/l has been observed in Jaipur, Jaisalmer & Jhunjhunu districts. The maximum value has been observed as 3750 mg/ L at Deeg of Bharatpur district shown in Table 26

9.2.7 Calcium (Ca) –

It is always found in combination in limestone, marble and chalk. Its most common compounds are limestone, gypsum, fluorite; also calcium carbide, chloride, hypochlorite.
Calcium is essential for human body. Its low content in soft water has been linked with rickets & defective teeth. Its excess may cause stones in kidney or bladder. Gout, Rheumatism etc. is also linked with its high concentration. There is no cause of concern about the calcium hazard as only 5.35% of stations are beyond the permissible limit of 200 mg/L (table 22). The districts of Alwar, Banswara, Bikaner, Churu, Dausa, Dholpur, Dungarpur, Hanumangarh, Jaipur Kota, Pratapgarh, Pali, Rajsamand, Jhunjhunu, and Sikar does not have calcium value beyond permissible limit as shown in Table 23. The minimum value of calcium has been observed as 2.0 mg/L at Mahua of Dausa District. The maximum value as 796 mg/L has been found at *Baran* of Nagaur district shown in Table 27

9.2.8 Magnesium (Mg) -

It is never found as a free element. It constitutes a large deposit as magnesite & common rock forming dolomite. The presence of magnesium is beneficial for heart and nervous system. However higher concentrations have laxative and diuretic effect.

Only 16.76% of stations have magnesium value beyond permissible limit of 100 mg/L & rest are within Acceptable limit (26.92%) and permissible limits (56.32%). No station in the district of Alwar, Banswara, Dungarpur, Jhunjhunu, Kota, Sikar, Pratapgarh, Jhalawar & Udaipur have magnesium value beyond permissible limit shown in Table 23. In Bharatpur (53.57% Samples), Churu (44.44% Samples) and (36.67%) Samples of Barmer districts have Mg value beyond permissible limit as shown in Table 23. The minimum value of Mg as 2.0 mg/L has been found at Pakhriawas of Ajmer district and maximum value 631 mg/L at Deeg of Bharatpur district shown in Table 27

9.2.9 Iron (Fe) -

Common ores of iron are Hamatite, Magnetite, Limonite, Diderate and Pyrite. Leaching of iron salts (acid mine drainage) & iron products industrial waste may be a pollutional source. Iron is an essential element of human nutrion. Excess of iron may cause bitter sweet astringent taste to water. Out of 561 water samples analysed 38.20% of samples have iron value beyond the permissible limit of 1.0 mg/L & 61.45 % samples are within Acceptable limit limit of 0.3 mg/L Shown in Table 22. Dholpur is worst district in the Rajasthan and having 91.67% samples beyond the permissible limit. In the districts of Ajmer, Alwar, Pratapgarh and Sawaimadhopur have range of Iron 60% to 81% as Shown in Table 23. Minimum value of iron as 0.0 mg/L has been observed at various places in Alwar, Barmer, Bharatpur, Hanumangarh, Pali, Sirohi, Sawaimadhopur, Sikar and Tonk districts whereas maximum value of 10.76 mg/L at Kalyanpura Bharatpur district shown in Table 27. The distribution of Iron in Ground Water of Rajasthan is showen in Fig.- 9.5.

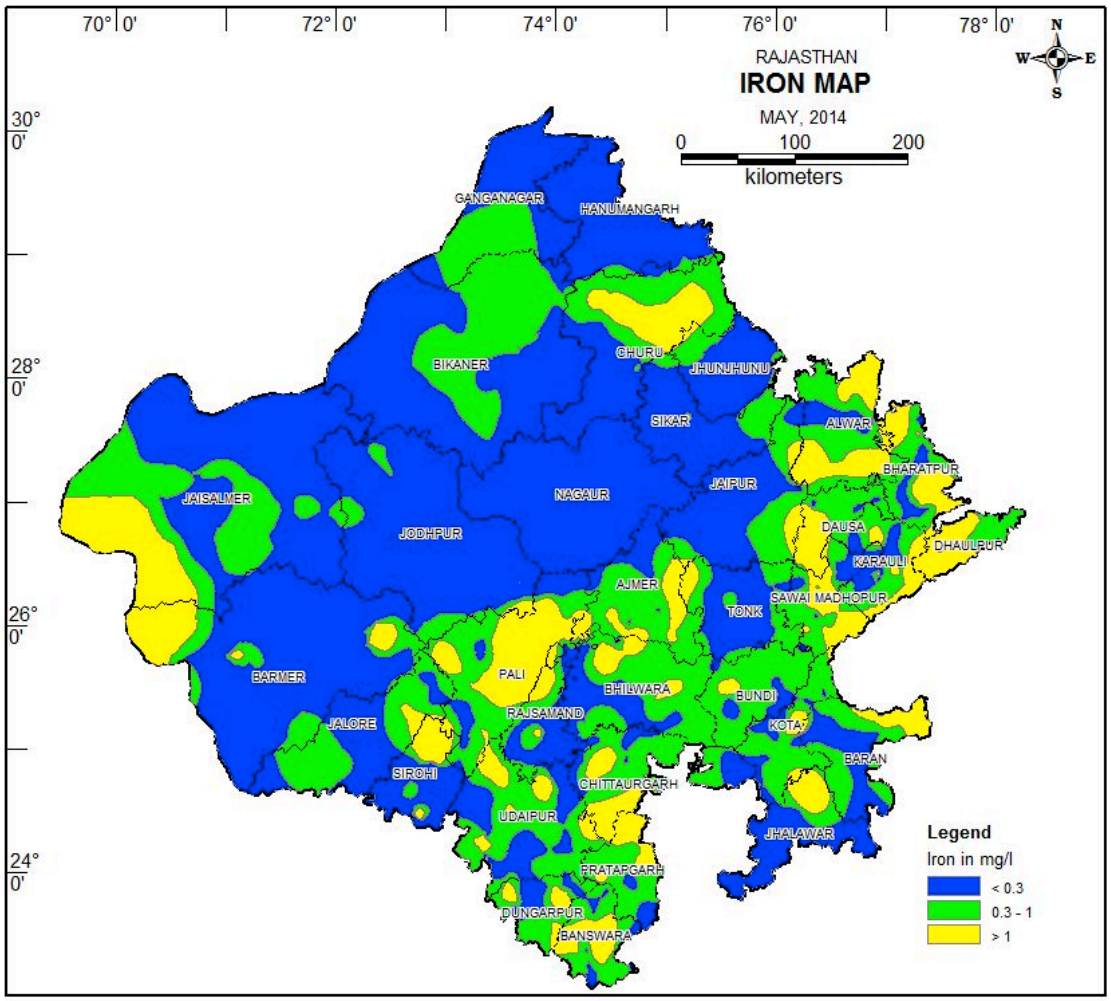

RAJASTHAN
IRON MAP
MAY, 2014
0 100 200
kilometers
70° 0'
72° 0'
74° 0'
76° 0'
78° 0'
30° 0'
28° 0'
26° 0'
24° 0'
N
W
E
S
GANGANAGAR
HANUMANGARH
BIKANER
CHURU
JHUNJHUNU
SIKAR
ALWAR
BHARATPUR
JAISALMER
NAGAUR
JAIPUR
DAUSA
DHAULPUR
JODHPUR
KARAULI
AJMER
SAWAI MADHOPUR
TONK
BARMER
PALI
BHILWARA
BUNDI
RAJSAMAND
JALORE
KOTA
BARAN
SIROHI
CHITTAURGARH
UDAIPUR
JHALAWAR
PRATAPGARH
DUNGARPUR
BANSWARA
Legend
Iron in mg/l
< 0.3
0.3 - 1
> 1

Figure : 9.5

TABLE - 23 : DISTRICTWISE PERCENTAGE OF STATIONS WHERE THE PRINCIPAL CHEMICAL CONSTITUENTS ARE BEYOND PERMISSIBLE LIMITS FOR DRINKING WATER (Based on the Analysis of NHS water samples of the year-20014-15

S.No.	DISTRICT	No. of samples	TDS	Cl	SO4	F	NO3	TH	Ca	Mg	Alkalinity	Fe
1	AJMER	21	23.81	9.52	4.76	19.05	28.57	19.05	4.76	19.05	4.76	80.95
2	ALWAR	18	11.11	0.00	11.11	27.78	16.67	0.00	0.00	0.00	5.56	77.78
3	BANSWARA	15	0.00	0.00	0.00	6.67	20.00	6.67	0.00	0.00	0.00	53.33
4	BARAN	10	20.00	0.00	30.00	0.00	30.00	30.00	10.00	20.00	0.00	40.00
5	BARMER	30	60.00	23.33	50.00	26.67	63.33	43.33	16.67	36.67	16.67	30.00
6	BHARATPUR	28	67.86	32.14	32.14	25.00	39.29	57.14	14.29	53.57	7.14	53.57
7	BHILWARA	25	28.00	12.00	12.00	52.00	44.00	32.00	4.00	28.00	12.00	52.00
8	BIKANER	16	31.25	12.50	12.50	37.50	25.00	12.50	0.00	12.50	0.00	37.50
9	BUNDI	11	27.27	9.09	18.18	9.09	27.27	18.18	9.09	27.27	18.18	45.45
10	CHITTORGARH	12	8.33	0.00	0.00	0.00	50.00	25.00	8.33	8.33	0.00	41.67
11	CHURU	18	55.56	27.78	33.33	44.44	83.33	33.33	0.00	44.44	5.56	38.89
12	DAUSA	11	18.18	0.00	18.18	36.36	36.36	27.27	0.00	18.18	0.00	72.73
13	DHOLPUR	12	16.67	0.00	8.33	33.33	33.33	16.67	0.00	16.67	16.67	91.67
14	DUNGARPUR	16	0.00	0.00	0.00	6.25	31.25	0.00	0.00	0.00	0.00	43.75
15	GANGANAGAR	13	46.15	30.77	53.85	23.08	15.38	38.46	23.08	30.77	0.00	7.69
16	HANUMANGARH	25	12.00	0.00	8.00	36.00	20.00	16.00	0.00	8.00	4.00	8.00
17	JAIPUR	10	10.00	10.00	0.00	30.00	40.00	10.00	0.00	10.00	20.00	10.00
18	JAISALMER	26	46.15	19.23	42.31	30.77	46.15	19.23	11.54	11.54	3.85	30.77
19	JALORE	9	44.44	0.00	33.33	66.67	55.56	22.22	0.00	11.11	11.11	11.11
20	JHALAWAR	6	0.00	0.00	16.67	0.00	33.33	33.33	16.67	0.00	0.00	16.67
21	JHUNJHUNU	12	0.00	0.00	0.00	41.67	33.33	0.00	0.00	0.00	8.33	0.00
22	JODHPUR	24	29.17	20.83	33.33	29.17	66.67	25.00	12.50	20.83	16.67	4.17
23	KARAULI	19	21.05	10.53	15.79	5.26	47.37	21.05	5.26	31.58	5.26	36.84
24	KOTA	16	0.00	0.00	12.50	0.00	12.50	6.25	0.00	0.00	0.00	43.75
25	NAGAUR	12	75.00	33.33	41.67	41.67	83.33	25.00	8.33	25.00	25.00	0.00
26	PALI	19	47.37	26.32	15.79	42.11	42.11	31.58	0.00	26.32	31.58	42.11
27	PRATAPGARH	13	0.00	0.00	0.00	15.38	15.38	0.00	0.00	0.00	0.00	69.23
28	RAJASMAND	13	15.38	0.00	15.38	23.08	76.92	15.38	0.00	7.69	7.69	30.77
29	S. MADHOPUR	20	10.00	0.00	10.00	30.00	50.00	10.00	5.00	5.00	5.00	65.00
30	SIKAR	20	5.00	0.00	0.00	20.00	45.00	0.00	0.00	0.00	10.00	15.00
31	SIROHI	17	23.53	5.88	0.00	70.59	82.35	17.65	5.88	11.76	5.88	23.53
32	TONK	17	17.65	17.65	5.88	35.29	52.94	11.76	5.88	17.65	0.00	23.53
33	UDAIPUR	**27**	0.00	0.00	0.00	14.81	37.04	7.41	3.70	0.00	0.00	40.74
	Total	**561**	**25.49**	**10.52**	**17.11**	**27.45**	**42.78**	**20.14**	**5.35**	**16.76**	**7.49**	**37.15**

TABLE - 24 DISTRICTWISE DISTRIBUTION OF MAJOR CONSTITUENTS(1) WITHIN ACCEPTABLE LIMIT(2) PERMISSIBLE LIMIT(3) BEYOND PERMISSIBLE LIMIT IN THE NHS WELLS YEAR 14-15

S.No.	DISTRICT	No. of	TDS			CHLORIDE			SULPHATE			FLUORIDE			Iron	
		samples.	0-500	501-2000	>2000	0-250	251-1000	>1000	0-200	201-400	>400	0-1.0	1.01-1.5	>1.5	<0.3	>0.3
1	AJMER	21	4	12	5	12	7	2	20	0	1	12	5	4	4	17
2	ALWAR	18	2	14	2	10	8	0	13	3	2	13	0	5	4	14
3	BANSWARA	15	6	9	0	15	0	0	14	1	0	12	2	1	7	8
4	BARAN	10	3	5	2	8	2	0	7	0	3	10	0	0	6	4
5	BARMER	30	0	12	18	4	19	7	11	4	15	15	7	8	21	9
6	BHARATPUR	28	1	8	19	5	14	9	8	11	9	16	5	7	13	15
7	BHILWARA	25	1	17	7	9	13	3	12	10	3	8	4	13	12	13
8	BIKANER	16	3	8	5	6	8	2	11	3	2	7	3	6	10	6
9	BUNDI	11	0	8	3	7	3	1	6	3	2	8	2	1	6	5
10	CHITTORGARH	12	3	8	1	8	4	0	8	4	0	11	1	0	7	5
11	CHURU	18	1	7	10	5	8	5	8	4	6	9	1	8	11	7
12	DAUSA	11	1	8	2	5	6	0	7	2	2	5	2	4	3	8
13	DHOLPUR	12	3	7	2	7	5	0	7	4	1	8	0	4	1	11
14	DUNGARPUR	16	7	9	0	15	1	0	16	0	0	12	3	1	9	7
15	GANGANAGAR	13	2	5	6	7	2	4	6	0	7	10	0	3	12	1
16	HANUMANGARH	25	6	16	3	20	5	0	17	6	2	13	3	9	23	2
17	JAIPUR	10	1	8	1	7	2	1	9	1	0	4	3	3	9	1
18	JAISALMER	26	2	12	12	7	14	5	8	7	11	10	8	8	18	8
19	JALORE	9	0	5	4	1	8	0	4	2	3	3	0	6	8	1
20	JHALAWAR	6	2	4	0	4	2	0	5	0	1	5	1	0	5	1
21	JHUNJHUNU	12	1	11	0	8	4	0	12	0	0	1	6	5	12	0
22	JODHPUR	24	3	14	7	8	11	5	9	7	8	11	6	7	23	1
23	KARAULI	19	3	12	4	13	4	2	15	1	3	12	6	1	12	7
24	KOTA	16	5	11	0	13	3	0	13	1	2	15	1	0	9	7
25	NAGAUR	12	0	3	9	0	8	4	3	4	5	2	5	5	12	0
26	PALI	19	2	8	9	7	7	5	13	3	3	4	7	8	11	8
27	PRATAPGARH	13	8	5	0	12	1	0	13	0	0	10	1	2	4	9
28	RAJASMAND	13	1	10	2	8	5	0	11	0	2	8	2	3	9	4
29	S. MADHOPUR	20	7	11	2	17	3	0	16	2	2	12	2	6	7	13
30	SIKAR	20	5	14	1	14	6	0	19	1	0	12	4	4	17	3
31	SIROHI	17	3	10	4	10	6	1	12	5	0	1	4	12	13	4
32	TONK	17	1	13	3	11	3	3	11	5	1	10	1	6	13	4
33	UDAIPUR	**27**	7	20	0	22	5	0	23	4	0	18	5	4	16	11
Total		**561**	**94**	**324**	**143**	**305**	**197**	**59**	**367**	**98**	**96**	**307**	**100**	**154**	**347**	**214**

TABLE - 25 DISTRICTWISE DISTRIBUTION OF MAJOR CONSTITUENTS(1) WITHIN ACCEPTABLE LIMIT(2) PERMISSIBLE LIMIT(3) BEYOND PERMISSIBLE LIMIT IN THE NHS WELLS YEAR 14-15

S.No.	DISTRICT	No. of Samples.	TH			Ca			Mg			Alkalinity as CaCO3			Nitrate	
			0-200	201-600	>600	0-75	76-200	>200	0-30	31-100	>100	0-200	201-600	>600	0-45	> 45
1	AJMER	21	2	15	4	15	5	1	8	9	4	7	13	1	15	6
2	ALWAR	18	6	12	0	17	1	0	6	12	0	6	11	1	15	3
3	BANSWARA	15	1	13	1	4	11	0	9	6	0	2	13	0	12	3
4	BARAN	10	1	6	3	9	0	1	2	6	2	2	8	0	7	3
5	BARMER	30	0	17	13	13	12	5	2	17	11	5	20	5	11	19
6	BHARATPUR	28	2	10	16	8	16	4	2	11	15	4	22	2	17	11
7	BHILWARA	25	4	13	8	14	10	1	7	11	7	2	20	3	14	11
8	BIKANER	16	7	7	2	16	0	0	7	7	2	7	9	0	12	4
9	BUNDI	11	1	8	2	10	0	1	0	8	3	1	8	2	8	3
10	CHITTORGARH	12	0	9	3	6	5	1	2	9	1	2	10	0	6	6
11	CHURU	18	5	7	6	17	1	0	5	5	8	3	14	1	3	15
12	DAUSA	11	2	6	3	8	3	0	3	6	2	2	9	0	7	4
13	DHOLPUR	12	0	10	2	7	5	0	1	9	2	1	9	2	8	4
14	DUNGARPUR	16	7	9	0	15	1	0	8	8	0	9	7	0	11	5
15	GANGANAGAR	13	2	6	5	7	3	3	2	7	4	7	6	0	11	2
16	HANUMANGARH	25	4	17	4	18	7	0	7	16	2	10	14	1	20	5
17	JAIPUR	10	4	5	1	9	1	0	3	6	1	1	7	2	6	4
18	JAISALMER	26	3	18	5	15	8	3	5	18	3	6	19	1	14	12
19	JALORE	9	2	5	2	4	5	0	1	7	1	0	8	1	4	5
20	JHALAWAR	6	0	4	2	2	3	1	1	5	0	1	5	0	4	2
21	JHUNJHUNU	12	12	0	0	12	0	0	11	1	0	3	8	1	8	4
22	JODHPUR	24	2	16	6	12	9	3	3	16	5	4	16	4	8	16
23	KARAULI	19	5	10	4	17	1	1	5	8	6	8	10	1	10	9
24	KOTA	16	2	13	1	12	4	0	3	13	0	5	11	0	14	2
25	NAGAUR	12	1	8	3	6	5	1	1	8	3	2	7	3	2	10
26	PALI	19	4	9	6	12	7	0	5	9	5	3	10	6	11	8
27	PRATAPGARH	13	2	11	0	7	6	0	6	7	0	5	8	0	11	2
28	RAJASMAND	13	0	11	2	5	8	0	2	10	1	1	11	1	3	10
29	S. MADHOPUR	20	2	16	2	13	6	1	3	16	1	4	15	1	10	10
30	SIKAR	20	8	12	0	19	1	0	8	12	0	4	14	2	11	9
31	SIROHI	17	2	12	3	9	7	1	5	10	2	7	9	1	3	14
32	TONK	17	9	6	2	13	3	1	7	7	3	6	11	0	8	9
33	UDAIPUR	27	1	24	2	3	23	1	11	16	0	10	17	0	17	10
Total		**561**	**103**	**345**	**113**	**354**	**177**	**30**	**151**	**316**	**94**	**140**	**379**	**42**	**321**	**240**
Percentage			**18.36**	**61.50**	**20.14**	**63.10**	**31.55**	**5.35**	**26.92**	**56.33**	**16.76**	**24.96**	**67.56**	**7.49**	**57**	**42.8**

TABLE - 26 DISTRICT WISE MINIMUM AND MAXIMUM VALUES OF VARIOUS CHEMICAL CONSTITUENTS BASED ON THE CHEMICAL ANALYSIS OF GROUND WATER SAMPLES (NHS) FOR THE YEAR - 20014-15

S.No.	DISTRICT	No. of Samples	pH		EC		Alkalinity		Cl		SO4		NO3		TH	
			Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
1	AJMER	21	7.30	8.89	390	6170	69	1030	35	1520	5	440	1	145	150	1620
2	ALWAR	18	7.74	8.66	600	3600	50	660	28	600	4	490	1	159	110	520
3	BANSWARA	15	7.40	8.10	400	1580	160	475	28	213	5	310	6	135	200	750
4	BARAN	10	7.80	8.43	267	4780	90	460	21	823	5	1224	6	378	130	1080
5	BARMER	30	7.61	8.75	780	12200	120	955	92	2630	13	1718	1	846	230	1550
6	BHARATPUR	28	7.55	8.88	710	14500	100	1450	35	4508	44	1704	0	400	80	3750
7	BHILWARA	25	7.47	8.72	295	8490	91	946	24	2457	30	560	5	210	111	1731
8	BIKANER	16	7.91	8.60	255	5850	80	560	14	1625	32	708	0	572	90	820
9	BUNDI	11	7.93	8.82	880	5290	170	1140	50	1277	24	1100	0	672	180	2000
10	CHITTORGARH	12	7.30	8.45	310	4940	166	523	15	910	5	298	5	480	210	1760
11	CHURU	18	7.97	8.69	220	8663	76	870	21	2234	32	1350	0	1250	50	1900
12	DAUSA	11	7.87	8.47	480	5800	150	540	14	852	40	1278	0	654	90	1000
13	DHOLPUR	12	7.60	8.48	150	3200	200	760	43	426	4	752	5	202	250	1100
14	DUNGARPUR	16	7.36	8.47	380	1510	98	380	21	270	4	140	5	102	110	360
15	GANGANAGAR	13	7.74	8.30	260	7162	80	370	21	2055	5	1947	0	122	120	1540
16	HANUMANGARH	25	7.42	8.67	300	11085	110	660	14	994	10	1442	1	186	140	1000
17	JAIPUR	10	7.30	8.82	440	3805	170	1150	21	1092	16	336	8	153	60	860
18	JAISALMER	26	7.31	8.49	460	8550	160	610	21	2407	30	1022	1	440	50	1361
19	JALORE	9	7.56	8.31	960	5080	300	700	78	951	10	686	0	166	200	840
20	JHALAWAR	6	7.73	8.54	550	3000	190	369	35	710	5	430	3	75	300	800
21	JHUNJHUNU	12	8.04	8.95	650	2110	190	740	50	390	15	191	2	231	50	200
22	JODHPUR	24	7.10	8.60	470	18520	148	1805	28	4880	16	1280	9	1010	150	1660
23	KARAULI	19	7.85	8.72	550	6990	150	690	21	1450	30	660	1	600	130	1610
24	KOTA	16	7.87	8.91	320	2900	100	460	43	575	5	605	3	112	190	700
25	NAGAUR	12	7.46	8.90	1820	13500	110	875	254	3226	66	2250	30	650	170	2280
26	PALI	19	7.11	8.79	140	9300	150	1250	64	1491	42	1508	0	172	110	1550
27	PRATAPGARH	13	7.76	8.60	420	1410	30	360	21	419	2	140	2	55	190	540
28	RAJASMAND	13	7.55	8.57	670	3500	170	714	65	550	5	500	15	352	280	1520
29	S. MADHOPUR	20	7.52	9.06	120	8000	156	1450	50	852	5	1280	2	320	140	2100
30	SIKAR	20	7.72	8.92	390	3300	172	800	35	852	2	345	3	150	150	530
31	SIROHI	17	7.40	8.25	620	6200	50	620	42	1676	50	362	15	252	190	1580
32	TONK	17	7.82	8.89	410	7110	110	550	28	1794	8	1210	3	720	70	1820
33	UDAIPUR	27	7.7	8.8	600	2560	115	463	20	568	5	260	8	180	120	880
Total		**561**														

TABLE - 27 DISTRICT WISE MINIMUM AND MAXIMUM VALUES OF VARIOUS CHEMICAL CONSTITUENTS BASED ON THE CHEMICAL ANALYSIS OF GROUND WATER SAMPLES (NHS) FOR THE YEAR - 20014-15

S.No.	DISTRICT	No. of Samples	Ca		Mg		Na		K		F		Fe		TDS	
			Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
1	AJMER	21	36	280	0	224	28	1060	1.0	8	0.25	8.30	0.18	4.90	254	4011
2	ALWAR	18	16	80	15	77	18	728	0.6	7	0.02	9.32	0.00	5.19	390	2340
3	BANSWARA	15	48	180	10	78	16	230	1.0	1	0.09	1.60	0.00	3.70	260	1027
4	BARAN	10	28	280	2	202	5	853	3.0	51	0.28	0.63	0.12	3.20	174	3107
5	BARMER	30	32	240	25	231	84	2538	0.9	270	0.10	6.50	0.00	7.20	507	7930
6	BHARATPUR	28	12	460	12	631	50	1622	0.0	169	0.32	2.72	0.00	10.76	462	9425
7	BHILWARA	25	18	298	11	320	15	1368	1.2	68	0.30	5.50	0.05	3.10	192	5519
8	BIKANER	16	16	72	7	173	15	1084	0.1	33	0.40	2.24	0.09	0.75	166	3803
9	BUNDI	11	20	268	32	323	74	1120	1.0	83	0.22	1.65	0.11	1.60	572	3439
10	CHITTORGARH	12	34	282	16	257	20	493	1.0	68	0.20	1.20	0.03	3.10	202	3211
11	CHURU	18	8	80	7	433	10	1643	2.0	106	0.07	2.34	0.04	1.70	143	5631
12	DAUSA	11	2	160	1	146	22	872	0.7	10	0.10	2.36	0.14	2.11	312	3770
13	DHOLPUR	12	40	168	27	165	18	443	0.3	13	0.33	3.35	0.24	4.91	98	2080
14	DUNGARPUR	16	20	76	2	41	25	240	1.0	2	0.07	1.60	0.01	3.80	247	982
15	GANGANAGAR	13	36	228	5	253	11	1608	3.0	50	0.23	2.60	0.12	0.75	169	4655
16	HANUMANGARH	25	20	180	17	134	13	991	2.6	162	0.02	4.34	0.00	0.06	195	7205
17	JAIPUR	10	12	120	7	136	22	598	2.0	106	0.29	4.80	0.05	0.50	286	2473
18	JAISALMER	26	8	240	6	186	42	1700	3.7	215	0.35	3.90	0.03	1.50	299	5558
19	JALORE	9	24	136	29	131	140	958	0.5	57	0.12	2.85	0.02	1.10	624	3302
20	JHALAWAR	6	40	204	19	92	14	360	0.5	2	0.41	1.42	0.05	2.00	358	1950
21	JHUNJHUNU	12	8	40	7	36	120	493	1.0	4	0.88	3.30	0.02	0.16	423	1372
22	JODHPUR	24	21	364	10	219	19	3895	1.0	98	0.15	5.60	0.00	0.51	306	12038
23	KARAULI	19	12	284	24	218	40	850	0.2	135	0.36	2.20	0.04	1.85	358	4544
24	KOTA	16	28	180	2	73	20	460	1.0	4	0.12	1.40	0.05	5.80	208	1885
25	NAGAUR	12	25	796	24	328	195	2140	0.6	44	0.76	6.50	0.03	0.20	1183	8775
26	PALI	19	20	200	5	255	46	1474	0.4	94	0.63	3.00	0.00	6.20	91	6045
27	PRATAPGARH	13	10	120	2	89	14	250	1.0	1	0.30	1.90	0.05	4.12	273	917
28	RAJASMAND	13	28	140	15	353	28	680	1.0	2	0.20	2.30	0.03	2.60	436	2275
29	S. MADHOPUR	20	20	300	17	327	17	882	0.2	16	0.08	3.80	0	10.50	78	5200
30	SIKAR	20	12	84	11	78	20	575	1.0	42	0.20	2.20	0	0.60	254	2145
31	SIROHI	17	48	440	2	124	34	750	0.3	70	1.00	4.20	0	4.50	403	4030
32	TONK	17	16	252	5	289	36	1086	1.0	71	0.27	5.56	0	0.89	267	4622
33	UDAIPUR	27	40	204	5	92	20	331	1.0	2	0.08	3.60	0	2.60	390	1664
TOTAL		561														

CONCLUSIONS AND RECOMMENDATIONS

- There is progressive increase in ground water draft due to increasing population, urbanization and industrialisation. In as many as 172 blocks the draft has exceeded the estimated replenishable resource. In 24 blocks, the stage of development has reached Critical levels and 20 blocks in semicritical levels (Ground water resource estimation 2011). Any further increase in the draft will aggravate the already worsened situation of declining water levels and/or degrading water quality in some areas.

- Planning for the development and management of ground water in any area in the state must address the factors like low rainfall, limited ground water storage availability, ground water salinity in many areas, deep water levels in most of western parts of state and desertic conditions in nearly 50% of the state's area. These aspects should be taken as a core consideration for planning and implementing ground water development and management programmes. A holistic approach taking all aspects into consideration shall therefore, need to be adopted.

- Artificial recharge of ground water by arresting storm water run-off during monsoon seasons should be the policy directive in all areas with ground water draft more than 90% of the assessed replenishable resource or areas where decline either in the pre- or post-monsoon water levels is observed or the areas where adequate storage capacity is available. The following specific measures will improve the situation and help lessen the stress on the system.
  - In areas where the situations of over-draft are manifested in declining water levels, action to reduce the draft by at least 20% must be taken as an immediate measure. The impact of reduced draft be monitored over 2-3 years to enable development of a scientifically based long-term management strategy.
  - In areas where depth to water in May is more than 10 metres, adequate storage capacity is available in the aquifer systems. Storage of additional water underground shall not only ensure availability of water at places of requirement during dry season but also result in huge savings in evaporation losses.
  - Paving of surface for providing civic amenities in the towns & cities has led to reduced infiltration and increased run-off during the rainy season. Rainwater harvesting structures should therefore be constructed to intrercept and recharge the

roof-top run-off from individual house-holds in feasible areas. Such a provision should be encoursed by local municipal bodies.

- Concurrent with the above measures should proceed the work of impounding and recharging the storm water run-off from other sources. The storm water rains, where filled up or where the concept itself stands abandoned, must be revived. Suitable locations in nalas & gullies should be utilised for the constructionof check-dams, sub-surface dams, ponds etc. for ensuring stagnation of water & thus its infiltration underground for augmenting ground water storage. Such structures must be located and designed keeping in full view the geology, Geomorphology and hydrogeological set-up prevailing in the area.
- Under the programme of artificial recharge Studies, CGWB has also constructed 13 Roof-top rain water harvesting stuctures in Jaipur at Governor's House, Secretariat, MREC, Chief Minister's Residence, GWD office, Vitta Bhawan, High court and CGWB office, etc. One such recharge stucture has been complted in Udaipur urban area. CGWB has also constructed a sub-surface barrier at Mainpura on Kantli river in Jhunjhunu district and three sub- surface barrirres in Sikar district to augument ground water resources locally. Besides technical guidance is rendered to individuals, socities, NGO's, group housing socities for rainwater harvesting.

- Re-use & recycling of urban waste water should receive added attention of muncipal bodies. The liquid urban wastes can be recycled through aquifers to improve their quality and pumped out for reuse particularly for irrigation. It shall however, be essential to ensure that urban & industrial wastes are not inter-mixed. Where such a situation exists, the industrial wastes must be treated before disposal to remove the toxic elements. Liquid urban wastes can also be used for direct irrigation in suitable areas after atleast primary treatment. Recycling of urban wastes shall reduce dependance on ground water to some extent and shall also ensure conservation and use of the waste water which is other-wise lost to evaporation.

- To reduce dependance of ground water, measures aimed at affecting economy in water use be implemented. These could include inastallation of new small capacity cisterns in toilets and other house-hold means of saving water, use of improved irrigation systems-sprinkler and drip. Where feasible, metering of water and charging of economic costs, relocating high water-use industries to surplus water available areas etc. be undertaken.

- Whereas declines in ground water levels are noticed in many areas, in the canal command areas of IGNP, Chambal, Mahi and other surface irrigation systems the menace of water-logging is becoming increasingly visible/ pronounced. Improved irrigation practices and cropping pattren and controlled water supplies from canals coupled with mandatory development of ground water for meeting atleast 50% of the water requirements are urgently called for in such areas. For promoting ground water development, subsidies should be provided. Any further delay in executing preventive and remedial measures aimed at mitigating water-logging conditions will result in large areas going out of agriculture and / or reduction in farm output besides degradation of the environment and eco-system of the area.

- Instances of growing levels of nitrates in ground water are noticed due to haphazard disposal of wastes, particularly faecal disposals in urban areas. Educating of public in the maintenance of hygiene and installation of organized sewerage system will go a long way in reducing this hazard.

- Disposal of solid wastes in natural or man-made depressions without adequate scientific considerations is bound to pollute ground water in due course. As a measure of precaution, it is therefore, essential that solid wastes from major cities and towns are disposed off in scientifically located and designed sites and structures for recycling and reuse. Detailed investigations to locate such sites must be initiated urgently.

- Impact of the release of industrial wastes in an unsystematic manner and without pre-disposal treatment is causing deterioration in ground water quality. To cite an instance, the liquid waste from the cloth printing and dyeing industry near Jaipur is leading to an increase in fluoride content in ground water. High fluoride content in the effluent is derived from a dye. The effluent is also being disposed off without being decolourized. Urgent measures including awareness and if need be, punitive action may have to be taken to contain further degradation in the quality. Ground water pollution is of serious proporation due to dyeing & printing industry in Balotra, texturing etc. in Pali and dyeing and processing industry in Bhilwara areas. Central Ground Water Authority and Pollution Control Boards may consider suitable actions, both preventive and remedial, and drawing up of long-term plans in this regard.

- Since ground water abstraction structures are individually owned, operated and managed, it is difficult to have an account of ground water abstraction by volume. Voluntary registration of structures needs to be encouraged so as to obviate the requirement for enactment and enforcement of any legal measures.

- Whereas restrictions must be laid on the construction and energization of individually owned structures for drinking and domestic use with a view to avoid wastage of water, adequate supply from municipal water supply system shall have to be ensured in such areas. Ground water markets, where these are developing will have to be regulated.

- Ground water development is a 'People's programme'. Therefore, education and involvement of people in its management- development, conservation, protection and augmentation projects will be the prime requisite to protect resource against quality degradation and guarantee quality assurance. Mass awareness programmes aimed at educating the users of the adverse effects of over-exploitation of ground water on its quality and quantity and environment; economic and efficient use of water, voluntary regulation of abstraction, etc. will ensure utilisastion of the resource at optimal levels.

- The National Hydrograph Monitoring Network was eclosed by CGWB more than 30 years back. It has been progressively strengthened during the period. However, most of the stations set up are dugwells which are going in disuse and are therefore neither representative nor ideal for getting the full and dependable information on resource behaviour and regime monitoring. Eventhough some 469 purpose-built stations have been established, the number is rather too meagre keeping in view the size of the state and the changing ground water levels and quality regime scenario. The network thus need to be strengthened with construction of purpose built stations for monitoring of water level and water quality in vulnerable areas like the industrial zones, mining and smelting complexes and urban agglomerates.

Annexure-I

WATER LEVEL DATA OF GROUND WATER REGIME MONITORING STATIONS IN RAJASTHAN STATE							
WELL No.	SITE NAME	DISTRICT	BLOCK_NAME	Depth to Water Level			
				May-14	Aug-14	Nov-14	Jan-15
W260200075060001	AJAGARA	AJMER	ARAIN	3.82	1.97	2.69	2.82
W260442074223401	Andheri Devi	AJMER	MASUDA	-	4.88	2.67	6.20
W262700075040001	ARIAN	AJMER	ARAIN	2.87	5.82	1.33	1.82
	BAGLIAS	AJMER		5.70	3.30	2.85	4.65
W260900074420001	BANDANWARA	AJMER	BHINAI	17.90	2.00	17.90	-
W261245075021001	Barora	AJMER	BHINAI	5.82	7.78	1.34	1.19
W255000075140001	BOGLA	AJMER	KEKRI	7.36	3.72	3.19	4.12
W262500075080001	DASUK	AJMER	ARAIN	9.05	8.05	8.33	8.98
W255942074265801	Daultpura	AJMER	MASUDA	-	13.42	9.80	9.30
W260745074554001	Goelo	AJMER	ARAIN	5.32	2.27	3.57	4.27
W262208074422101	Gopalpura	AJMER	BHINAI	-	9.15	-	14.73
	JAWAJA1	AJMER		8.50	3.50	3.20	6.30
W260130074393001	JHOPADIYAN	AJMER	BHINAI	8.55	12.40	8.50	11.25
W260828074480801	KALYANPURA1	AJMER	BHINAI	5.46	5.16	3.48	4.85
W262400074520001	KANPUR1	AJMER	SRINAGAR	7.60	2.20	1.86	2.50
W255900075090001	KEKRI1	AJMER	KEKRI	0.84	0.74	-	-
	LAMANA	AJMER		9.03	11.29	9.55	9.64
W255950074350001	LUDIYANA	AJMER	BHINAI	10.93	10.27	10.23	11.33
	MAIDAYABADAYA	AJMER		3.87	0.37	1.62	4.67
W260530074304501	MASUDA1	AJMER	MASUDA	12.06	2.77	2.59	4.39
W261830074550001	Morajhar	AJMER	SRINAGAR	10.08	8.30	8.52	9.28
	NARBADKHERA	AJMER		13.60	3.40	5.85	6.82
W261712074442501	NASIRABAD	AJMER	SRINAGAR	16.50	0.40	0.53	0.55
	PAKHRIAWAS	AJMER		11.60	8.38	5.75	8.45
W273600076480001	Ramgarh2	AJMER	RAMGARH	27.35	8.60	-	14.15
W261600074500001	RAMSAR2	AJMER	SRINAGAR	6.10	4.30	5.28	6.58
W255440075023001	SANPLA	AJMER	ARAIN	9.30	2.70	3.34	4.00
W260300075000001	SARWAD	AJMER	ARAIN	2.80	1.60	3.00	3.02
	TABIJI	AJMER		22.07	4.76	3.70	3.57
	TARAGARH	AJMER		6.04	0.84	0.21	1.40
	Tiloniya	AJMER		22.95	14.37	-	20.80
W274800076260001	Alanpur	ALWAR	BANSUR	29.80	28.80	29.14	30.65
W281100075310001	BAGAR	ALWAR	JHUNJHUNU	11.00	9.81	9.81	-
W274130076212001	BANSUR	ALWAR	BANSUR	25.90	26.30	25.16	25.23
W272630076313001	Baran1	ALWAR	UMRAIN	13.55	13.50	12.75	12.77
W272851076521601	Barodamev-Pz	ALWAR	LAXMANGARH	-	-	36.40	36.70
W275300076170001	BEHROR	ALWAR	BEHROR	70.20	69.70	71.00	71.75
W275630076183001	Bhituda	ALWAR	BEHROR	70.86	70.12	72.30	73.24
W280300076410001	BOLNI	ALWAR	KOTKASIM	24.20	22.80	23.50	23.52
W273400076180002	CHATTARPURA	ALWAR	BANSUR	33.95	31.90	34.90	34.85
W274000076350001	DALALPUR	ALWAR	UMRAIN	42.60	40.50	41.78	42.05
W271700076430001	Doroli	ALWAR	RENI	52.35	51.70	50.85	52.10
W271230076473001	GADI SWAIRAM	ALWAR	RENI	7.23	7.95	20.75	23.20
W274700076300001	GANGWALI DHANI	ALWAR	MANDAWAR	48.10	44.60	48.78	48.95
W271330076153001	GHATA MORDI	ALWAR	THANAGAZI	-	-	11.48	12.98
W272938076592301	Govindgarh-Pz	ALWAR	LAXMANGARH	-	-	20.90	21.60
W275200076370002	HARSAULI	ALWAR	KOTKASIM	25.00	28.90	26.80	27.95
W275330076533001	HASANPURA	ALWAR	TIJARA	27.69	27.39	27.14	27.39
W273800076200001	Holawas	ALWAR	BANSUR	27.84	26.50	29.18	30.05
W271515076504501	JHALADALA	ALWAR	KATHUMAR	33.45	33.25	33.20	33.23
W275600076280001	JOSAI	ALWAR	MANDAWAR	32.00	30.65	33.43	33.80
W280345076150001	KANHAWAS	ALWAR	NEEMRANA	57.94	59.51	58.96	58.99
W274912076440001	KISHANGARH BAS1	ALWAR	KISHANGARH BAS	42.32	38.32	37.72	38.12
W280500076433001	KOTKASIM1	ALWAR	KOTKASIM	14.24	21.20	21.20	-
W275100075120001	LACHMANGARH	ALWAR	LACHHAMANGARH	6.21	6.43	7.18	7.58
W272955076190001	Majri Khurd	ALWAR	THANAGAZI	27.25	27.30	26.70	26.75
W275900076230001	Neemrana	ALWAR	NEEMRANA	55.10	54.30	55.43	57.30
W275000076560001	NIMLI	ALWAR	TIJARA	15.55	13.95	13.70	13.93
W273900076520001	Nogawa	ALWAR	RAMGARH	19.90	17.84	19.65	20.55
W275800076430002	PUR1	ALWAR	KOTKASIM	18.20	16.97	18.30	18.57
W250600076120001	RAJGARH1	ALWAR	SULTANPUR	12.53	13.50	16.00	23.01
W273500076483502	RAMGARH1	ALWAR	RAMGARH	-	12.17	-	22.90
W273500076483502	RAMGARH1	ALWAR	RAMGARH	22.15	21.95	22.42	22.90
W275200076240002	SODAWAS1	ALWAR	BEHROR	24.12	23.93	25.75	25.83
W271900076590001	Sundana	ALWAR	KATHUMAR	-	17.57	-	-
W280700076500001	TAPUKARA	ALWAR	TIJARA	23.99	25.26	24.11	24.21
W271415076240001	TEHLA	ALWAR	RAJGARH	4.30	5.20	2.10	2.45
W275600076510002	TIJARA1	ALWAR	TIJARA	29.67	29.27	27.87	28.52
W270705076180001	TORIKABAS	ALWAR	RAJGARH	13.81	13.66	10.71	11.51
W232900074060001	ARTHUNA	BANSWARA	GHARI	8.85	6.35	7.05	6.08
W233000074060001	Arthuna1	BANSWARA	GHARI	8.60	6.81	6.46	6.45
H232915074291501	Bagidora	BANSWARA	BAGIDORA	6.03	1.31	1.03	6.78
W232516074173101	Bansla	BANSWARA	BAGIDORA	-	5.46	5.10	5.43
W233200074270001	Banswara1	BANSWARA	TALWARA	8.30	5.25	5.66	5.48
W232500074230001	BARODIA	BANSWARA	BAGIDORA	7.30	3.63	1.50	1.45
H234100074410001	BHUNGRA	BANSWARA	GHATOL	8.55	4.47	6.49	4.45
W231330074180001	Bhura Kua	BANSWARA	SAJJANGARH	5.40	2.68	2.30	2.85

WELL No.	SITE NAME	DISTRICT	BLOCK_NAME	Depth to Water Level			
				May-14	Aug-14	Nov-14	Jan-15
W231937074214201	Bilari	BANSWARA	SAJJANGARH	-	2.10	1.05	0.08
W233430074070001	Borigoan	BANSWARA	GHARI	5.40	4.06	8.50	4.75
W233033074230401	Borwat	BANSWARA	TALWARA	-	3.38	3.60	2.75
W234000074201502	Chand Ji Ka Guda	BANSWARA	GHATOL	4.98	1.30	0.21	1.38
W234000074201501	CHANDUJIKAGUDA	BANSWARA	GHATOL	-	2.44	2.29	0.69
W231846074224701	Charakni	BANSWARA	KUSHALGARH	-	3.89	4.70	4.40
W232600074040002	Chhajwa	BANSWARA	ANANDPURI	6.80	4.27	5.70	4.35
W233100074400001	Chhoti Sarwan	BANSWARA	CHHOTI SARWAN	9.90	2.95	2.70	3.11
W231800074190001	Chichi	BANSWARA	SAJJANGARH	1.70	0.55	1.95	0.45
W233033074223901	Chiriwasa	BANSWARA	TALWARA	-	3.60	2.60	2.00
W231020074172501	CHOTA DUNGRA	BANSWARA	SAJJANGARH	7.63	4.06	5.88	4.78
W233327074360401	Danakhari	BANSWARA	CHHOTI SARWAN	-	3.28	1.90	3.06
W235150074273001	DUNGARIA	BANSWARA	GHATOL	12.20	7.00	10.05	7.50
W234600074151001	GANORA	BANSWARA	GHATOL	-	3.74	3.65	3.89
W233524074103001	GARHI PARTAPURA	BANSWARA	GHARI	16.65	16.65	-	-
W233700074303001	Khera Dahar	BANSWARA	TALWARA	10.55	5.62	2.80	6.65
W232800074043001	Kotra1	BANSWARA	GHARI	10.40	8.95	7.36	8.15
W231200074270002	KUSALGARH	BANSWARA	KUSHALGARH	3.72	2.12	2.00	3.65
W231200074270002	Kusalgarh	BANSWARA	KUSHALGARH	5.50	3.41	3.45	3.65
W230900074353001	Mokampura1	BANSWARA	KUSHALGARH	4.80	2.00	3.30	2.35
W235340074263501	NARWALI	BANSWARA	GHATOL	5.05	1.65	2.30	2.35
W232232074164501	RAKHO	BANSWARA	BAGIDORA	5.34	1.94	1.49	2.34
W235340074263502	Rathor Ki Phadoli	BANSWARA	GHATOL	-	2.70	5.20	2.80
W234700074280002	Sadri	BANSWARA	GHATOL	3.40	0.35	3.95	5.15
W234234074363101	Saran	BANSWARA	KUSHALGARH	-	2.42	2.35	2.61
W233922074232301	SENWASA	BANSWARA	GHATOL	5.62	2.00	1.62	-
W232900074220001	Sera Pada Sandoh	BANSWARA	TALWARA	3.32	1.62	1.30	1.40
W232630074220801	Surwania	BANSWARA	TALWARA	-	5.06	-	4.45
W233400074190001	TALWARA1	BANSWARA	TALWARA	2.95	0.60	1.21	0.95
W233600074263001	Tejpur1	BANSWARA	TALWARA	7.70	-	-	2.30
W233301074410901	Wagtalav	BANSWARA	CHHOTI SARWAN	-	3.32	1.92	3.29
W233700074170001	WAJWANA	BANSWARA	GHARI	9.78	6.13	7.73	8.10
W233700074170001	Wajwana	BANSWARA	GHARI	8.55	7.31	6.45	8.10
W245315076394001	ATRU1	BARAN	ATRU	5.80	0.75	0.27	3.61
W245930076283001	BAMLA	BARAN	BARAN	8.00	2.90	2.35	4.66
W250500076420001	Banthoni	BARAN	KISHANGANJ	-	-	4.36	6.50
W250600076310001	Baran2	BARAN	BARAN	-	-	2.38	2.26
W250529076473701	BHANWARGARH	BARAN	KISHANGANJ	2.73	0.54	1.86	1.04
W251430076301501	BOTH	BARAN	ANTA	8.42	5.14	2.97	7.72
W243948076503701	CHABRA	BARAN	CHHABRA	15.15	8.59	9.94	11.52
W243728076420701	CHHIPA BAROD1	BARAN	CHHIPA BAROD	-	3.18	8.43	7.82
W242610076420001	HARNAUDA	BARAN	CHHIPA BAROD	9.07	2.92	5.87	8.16
W273000074400001	KANWAI	BARAN	DIDWANA	6.69	-	8.59	-
W251230077213001	Kasba Thana	BARAN	SHAHABAD	5.35	4.44	5.82	6.16
W250800076540001	KELWARA1	BARAN	SHAHABAD	3.05	0.71	2.36	2.85
W250630076380001	KISHANGANJ1	BARAN	KISHANGANJ	-	-	3.49	4.51
W251116077062001	MAMONI	BARAN	SHAHABAD	-	-	3.22	5.32
W251930076304501	MANGROL	BARAN	ANTA	5.53	3.13	3.63	3.78
W251548077154801	PAJAL TORI	BARAN	SHAHABAD	9.35	1.65	3.10	5.55
W242900076360001	SARTHAL	BARAN	CHHIPA BAROD	4.66	1.60	2.22	2.80
W251500077080001	SHAHABAD1	BARAN	SHAHABAD	4.16	2.03	2.75	3.53
W251820076194501	URPURIA	BARAN	ANTA	4.89	2.35	3.00	3.15
	ADEL	BARMER		26.10	23.90	26.12	-
	ARNIYALI	BARMER		36.95	33.55	-	-
W254430070573001	BACHHBAR	BARMER	BARMER	21.75	20.33	20.20	22.20
	BAITU1	BARMER		-	31.14	31.44	32.66
W255455070523001	BALEWA	BARMER	SHEO	18.50	17.00	16.75	19.15
W254410071235001	BARMER1	BARMER	BARMER	21.25	14.80	-	19.27
W260430071373001	BATARU	BARMER	BAITU	-	17.74	16.89	20.72
W255300071210001	Bhadka1	BARMER	BARMER	-	83.98	84.00	84.90
W244510071070001	BHAKASAR	BARMER	CHAUHTAN	-	5.01	-	5.02
W255430071143001	BISALA	BARMER	BARMER	14.45	12.30	12.20	13.95
W261630071182001	BISUKALAN	BARMER	SHEO	34.50	34.25	34.18	34.30
W254445071394601	CHAWA	BARMER	SINDRI	-	40.46	50.13	40.23
W252830071040001	Chohtan	BARMER	CHAUHTAN	46.20	47.30	42.50	-
W251600071010002	CHOTA ITADA	BARMER	CHAUHTAN	-	59.50	58.90	60.31
W255505070093001	DERASAR	BARMER	SHEO	14.35	13.70	13.15	15.60
W262145070544001	DEVRA	BARMER	SAM	26.97	26.10	25.33	25.30
W251422071280002	Dhanau2	BARMER	DHORIMANNA	-	55.90	55.40	56.35
	DOLI	BARMER		3.80	5.40	5.40	5.40
W254425070382001	GADRA ROAD	BARMER	SHEO	-	99.20	99.35	-
W262018071332001	GUJRO KA BERA	BARMER	SHEO	79.05	79.80	80.05	82.60
W253428071235501	HATHITALA	BARMER	BARMER	-	49.20	49.38	49.90
W254300071152001	JASAI	BARMER	BARMER	14.39	9.49	17.33	19.09
W260400070590001	JAWANSINGHKIBER	BARMER	SHEO	6.12	5.81	6.30	6.47
W260830071350001	JHAK	BARMER	BAITU	-	-	51.48	52.94
	KALYANPURA	BARMER		19.73	21.30	21.30	21.34
	KARMAWAS	BARMER		8.00	8.03	8.27	-
W261535071362001	KASHMIR	BARMER	SHEO	57.84	46.08	55.38	56.94
W250930071271501	KATERIA	BARMER	DHORIMANNA	-	14.94	14.67	15.42
W255230071324501	KAWAS	BARMER	BAITU	-	3.68	-	-
W270300070510001	KHARIN	BARMER	JAISALMER	41.85	45.50	45.70	46.30

WELL No.	SITE NAME	DISTRICT	BLOCK_NAME	Depth to Water Level			
				May-14	Aug-14	Nov-14	Jan-15
	KOTHOLA	BARMER		4.60	5.40	5.40	-
	KURI2	BARMER		9.97	10.60	-	-
W254730071360001	MATASAR	BARMER	BAITU	36.10	33.85	33.98	34.80
W260542071012201	MUNGERIA	BARMER	SHEO	12.32	12.57	12.97	12.02
W255900071070001	NAND	BARMER	SHEO	11.00	9.00	10.50	14.70
W253630071170001	NIMRI (RADEWA)	BARMER	BARMER	-	7.66	7.96	10.03
W252045071240001	PADMANIYON	BARMER	DHORIMANNA	59.61	58.42	57.62	59.56
	PANAVADA	BARMER		31.31	27.42	28.32	29.01
W255930070100001	PANCHLA	BARMER	SHEO	40.70	40.00	40.60	40.70
W254040071132501	PATRASAR	BARMER	BARMER	10.40	9.40	9.43	11.35
	PIPARLI GAON	BARMER		8.30	7.10	7.20	8.40
W254350071371501	RAWATSAR1	BARMER	SINDRI	-	62.80	65.55	78.50
W255045070562001	REDANA	BARMER	SHEO	16.32	15.64	16.04	18.42
W252900071240001	SANAWARA	BARMER	BARMER	44.71	43.12	43.02	44.91
W253545071140001	SANLOR	BARMER	BARMER	28.20	26.20	25.80	28.60
W254215071244501	SASION-KA-KUA	BARMER	BARMER	24.10	21.60	18.70	22.15
W244930071093001	Sata1	BARMER	CHAUHTAN	-	3.10	5.10	6.30
	SAUPADAMSINGH	BARMER		21.66	20.07	19.62	19.21
W250400071050001	Sedwa	BARMER	CHAUHTAN	-	54.40	54.60	55.50
W253435070493001	SELAU	BARMER	BARMER	60.70	57.40	59.65	-
W261135071143501	SHEO1	BARMER	SHEO	-	-	3.14	3.05
W254630071050001	SIHANI	BARMER	BARMER	22.05	16.00	21.25	23.45
W245520071090001	SIHANIYA	BARMER	CHAUHTAN	36.25	29.30	28.80	29.50
	SINDARI	BARMER		15.20	15.80	14.20	15.31
W252015070515501	SIYAGA TALA	BARMER	CHAUHTAN	-	65.78	66.98	66.24
W254830071022001	SUTHARON KI DHA	BARMER	BARMER	18.60	16.62	17.40	19.20
W245300071130001	TARLA	BARMER	CHAUHTAN	4.65	4.20	4.10	4.60
	THOB	BARMER		17.86	16.74	16.94	15.48
W265420077224001	BANDH BARETA	BHARATPUR	RUPBAS	-	3.55	3.15	2.95
W271330077053001	BAONLI CHAN	BHARATPUR	NADBAI	32.15	32.40	-	32.05
W265750077213501	BAWARI BARODA	BHARATPUR	BAYANA	-	5.80	6.31	3.20
W265805077150601	BHAGORI	BHARATPUR	BAYANA	12.34	12.74	11.54	11.79
W271300077300001	Bharatpur1	BHARATPUR	SEWAR	4.04	3.74	3.74	-
W265800077180001	Bhimnagar	BHARATPUR	BAYANA	27.30	27.10	13.95	18.60
W270030077230001	BIRAITHA	BHARATPUR	RUPBAS	5.16	5.16	5.16	-
W271100077400003	CHIKSANA1	BHARATPUR	SEWAR	18.72	17.66	17.84	18.04
W270700077040002	Chokarwada	BHARATPUR	WEIR	48.87	46.80	48.10	49.45
W265945077293002	DAHINAGAON	BHARATPUR	RUPBAS	8.73	9.38	13.18	-
W273000077190001	Deeg	BHARATPUR	DEEG	2.85	2.70	2.40	3.30
W272800077200001	DEEG1	BHARATPUR	DEEG	2.71	2.56	12.86	-
W273200077073001	GULPURA	BHARATPUR	NAGAR	7.60	7.90	8.60	11.05
W270800077090001	HALENA	BHARATPUR	WEIR	42.05	35.05	40.15	43.65
W270200077080001	Jagjeevanpura	BHARATPUR	WEIR	9.50	8.90	8.05	9.95
W273130077043001	JAISARI	BHARATPUR	NAGAR	7.40	8.60	8.30	9.35
W273630077041501	JHANTLI	BHARATPUR	NAGAR	7.00	6.30	7.30	-
W265500077190001	Jheel Mandir	BHARATPUR	BAYANA	31.85	30.80	-	-
W274656077133601	JURAHRA	BHARATPUR	KAMAN	7.12	6.67	7.52	7.92
W270630077310001	KALYANPURA2	BHARATPUR	SEWAR	5.66	4.95	5.66	-
W273950077174201	KAMAN1	BHARATPUR	KAMAN	6.10	11.90	11.80	12.05
W265830077381501	KHAN SURJAPUR	BHARATPUR	RUPBAS	5.20	3.92	3.60	4.75
W270200077330001	KHANUA	BHARATPUR	RUPBAS	9.39	5.07	7.07	7.27
W264815077255001	KOT1	BHARATPUR	BAYANA	7.05	7.35	5.45	6.95
W271900077230005	KUMHER	BHARATPUR	KUMHER	2.50	3.60	1.60	1.80
W271000077160001	LULHARA	BHARATPUR	NADBAI	13.89	2.99	13.89	-
W272342077210901	MANDHERA	BHARATPUR	DEEG	8.01	9.41	9.11	9.96
W271230077124501	NADBAI	BHARATPUR	NADBAI	16.22	15.72	19.72	16.72
W273730077040001	NAKATPURA1	BHARATPUR	NAGAR	-	-	3.50	-
W274200077050001	PAHARI	BHARATPUR	NAGAR	5.58	3.78	3.78	4.28
W272642077150001	PANHORI	BHARATPUR	DEEG	9.06	9.26	-	-
W273300077180002	Pasta	BHARATPUR	DEEG	4.10	4.30	-	-
W272000077330001	RARAH PZI	BHARATPUR	KUMHER	31.01	22.45	27.75	28.25
W272000077330002	RARAH PZII	BHARATPUR	KUMHER	10.98	10.30	10.10	10.40
W265900077340001	Roopwas1	BHARATPUR	RUPBAS	1.34	0.15	0.70	-
W270200077040001	SADPURA	BHARATPUR	WEIR	14.15	14.15	14.15	-
W265945077293001	SALABAD	BHARATPUR	RUPBAS	8.25	9.15	8.10	8.15
W273300077180001	SIHORA	BHARATPUR	DEEG	8.15	8.75	7.50	9.15
W270500077250001	UCHAIN	BHARATPUR	RUPBAS	12.10	12.10	12.10	-
W270050077103001	WEIR1	BHARATPUR	WEIR	22.47	20.77	17.57	18.22
W254315075211501	AMARWASI	BHILWARA	JAHAZPUR	3.40	0.94	1.19	1.09
W255000074170001	BADNOR	BHILWARA	ASIND	-	1.38	0.72	0.51
W252915074420001	BANERAMATAJI	BHILWARA	BANERA	18.30	9.05	11.30	15.85
W254530074280001	BARASNI	BHILWARA	ASIND	15.68	4.36	3.38	5.98
W251440075023001	BIGOD	BHILWARA	MANDALGARH	10.20	3.15	7.00	2.55
H251012075101201	BIJOLIA	BHILWARA	MANDALGARH	8.13	1.98	3.65	4.13
W254100075200001	BORANI	BHILWARA	JAHAZPUR	17.49	3.89	12.99	16.39
W253140074180301	Dahimatha	BHILWARA	ASIND	-	-	23.23	23.40
W251700074093001	DEVARIA	BHILWARA	RAIPUR	9.50	16.14	15.85	17.05
W255200074330001	GAGEDA	BHILWARA	HURDA	-	5.54	4.06	7.34
W251300074153501	GANGAPUR1	BHILWARA	SAHARA	14.58	7.48	5.38	7.60
W255400074410001	GULABPURA	BHILWARA	HURDA	8.46	2.46	3.33	17.01

WELL No.	SITE NAME	DISTRICT	BLOCK_NAME	Depth to Water Level			
				May-14	Aug-14	Nov-14	Jan-15
W253820075065501	GULABPURA1	BHILWARA	JAHAZPUR	8.30	7.40	9.00	9.10
W251050074345001	HAMIRGARH	BHILWARA	SUWANA	7.49	10.99	13.72	15.99
H253600075360001	JAHAJPUR	BHILWARA	JAHAZPUR	14.25	4.10	4.30	3.40
W253056074332801	JIWANLIYAN	BHILWARA	BANERA	-	7.90	6.27	8.20
W254520074542001	KANCHAN-KALA	BHILWARA	SHAHPURA	-	1.70	0.70	0.75
W253100074160001	Karera	BHILWARA	MANDAL	20.20	13.80	15.44	18.32
W252230074463001	KODUKOTA	BHILWARA	KOTRI	10.19	2.45	2.85	6.00
W252350074533001	KOTARI	BHILWARA	KOTRI	10.87	5.12	7.19	8.27
W250915075071701	Ladpura	BHILWARA	MANDALGARH	-	-	4.91	4.30
W251015074180001	LAKOLA	BHILWARA	SAHARA	6.70	1.33	1.58	8.57
W251610074381501	MANDAPIA RS	BHILWARA	SUWANA	8.00	4.60	7.66	7.70
W252715074111501	NANGPURA	BHILWARA	RAIPUR	12.38	14.88	13.08	18.08
W253104075053001	PAROLI	BHILWARA	KOTRI	4.90	0.80	1.20	1.70
W252226074063001	PITAKHERA	BHILWARA	RAIPUR	-	3.60	2.73	5.90
W253800074360001	RAILA ROAD	BHILWARA	BANERA	19.15	4.55	5.99	6.75
W250650075154001	SALAWATIA	BHILWARA	MANDALGARH	15.60	7.20	17.73	21.20
W251825074520001	SAWAIPUR	BHILWARA	KOTRI	8.55	6.73	11.80	13.35
W251825074520001	Sawaipur	BHILWARA	KOTRI	21.10	-	-	13.35
W253615074540001	SOPURA	BHILWARA	SHAHPURA	8.68	3.33	4.60	5.08
W253340074480001	Taswaria Khurd	BHILWARA	SHAHPURA	12.68	5.95	8.47	11.42
W253551074184801	TILOLI	BHILWARA	ASIND	13.55	0.60	-	-
W284010072450001	6 PB	BIKANER	BIKANER	17.90	18.70	-	17.44
W281515072511001	AMARPURA	BIKANER	BIKANER	14.90	14.67	14.67	15.89
W285600073530001	ARJANSAR	BIKANER	LUNKARANSAR	17.17	17.95	29.15	29.51
W284205073455101	BADERAN	BIKANER	LUNKARANSAR	39.55	38.85	39.86	39.62
W274415072081501	BHIKAMPUR	BIKANER	KOLAYAT	12.15	-	10.82	11.20
W282800073270001	BINJAWARI	BIKANER	LUNKARANSAR	66.92	67.47	67.40	66.84
W275100072490001	Bithnok	BIKANER	KOLAYAT	55.20	54.45	-	51.01
W275100072490001	BITHNOK	BIKANER	KOLAYAT	55.29	50.74	50.89	51.01
W284000073080001	CHHATARGARH	BIKANER	BIKANER	31.87	31.57	-	34.47
W282700072303001	DANTOR	BIKANER	BIKANER	11.60	12.10	12.00	12.48
W274800073210002	DESHNOKH	BIKANER	BIKANER	111.60	112.90	112.00	112.45
W283130073363001	DHIRERA	BIKANER	LUNKARANSAR	57.60	60.50	51.00	50.90
W281300073380003	Dhirera_Pz	BIKANER	BIKANER	49.84	51.90	-	49.35
W274725072494502	DIYATRA1	BIKANER	KOLAYAT	93.82	94.82	-	-
W280500074003001	DUNGARGARH	BIKANER	SHRI DUNGARGARH	60.57	60.30	-	60.70
W275825073025001	GAJNER	BIKANER	KOLAYAT	81.81	-	80.70	80.27
W274700072380001	Gariyala_Pz	BIKANER	KOLAYAT	61.34	61.57	61.10	61.28
W275115073234201	Gigasar-Pz	BIKANER	BIKANER	-	105.28	-	-
W275930072160001	GODU	BIKANER	KOLAYAT	19.63	18.53	17.69	18.95
W275900072210001	Godu_Pz_I	BIKANER	KOLAYAT	17.24	17.90	17.10	16.56
W275900072210002	Godu_Pz_II	BIKANER	KOLAYAT	14.70	15.55	14.80	14.68
W282640074004001	GORABDESAR	BIKANER	LUNKARANSAR	62.82	62.44	63.16	62.95
W283435073484001	HARIASAR	BIKANER	LUNKARANSAR	26.75	27.87	27.45	27.90
W281830072254001	JAGGASAR	BIKANER	KOLAYAT	18.10	18.33	17.70	18.05
W285230074034501	JAITPUR1	BIKANER	LUNKARANSAR	50.92	52.05	49.90	49.70
W274000073394501	KAKRA	BIKANER	NOKHA	78.96	82.53	81.28	81.18
W275600073211501	KALYANSAR	BIKANER	BIKANER	107.69	-	107.95	107.67
W273015073260001	Kanwalisar	BIKANER	NOKHA	64.38	65.68	64.07	64.28
W280000073150001	KARMISAR	BIKANER	BIKANER	66.68	68.07	65.98	67.80
W281945073291501	KASTURIA	BIKANER	LUNKARANSAR	34.06	32.53	32.10	33.00
W284400073070001	KHAKLI	BIKANER	BIKANER	37.58	37.58	-	-
W281145073232801	KHARA1	BIKANER	BIKANER	50.80	50.32	50.67	50.40
W285600073243001	KHARBARO	BIKANER	LUNKARANSAR	6.89	9.69	6.84	8.39
W275745073333001	KODAMDESAR	BIKANER	BIKANER	75.10	74.70	75.04	74.90
W275030072571501	KOLAYAT	BIKANER	KOLAYAT	70.40	72.00	71.28	71.16
W285200073210001	LAKHANSAR	BIKANER	LUNKARANSAR	13.50	13.75	-	15.05
W280545073521501	LAKHASAR2	BIKANER	SHRI DUNGARGARH	34.72	35.15	35.18	14.45
W281900073113001	LAKHUSAR	BIKANER	BIKANER	42.71	42.00	42.22	42.60
W281630073540001	LODERA	BIKANER	SHRI DUNGARGARH	-	70.50	69.90	70.00
W282930073450001	LUNKARANSAR1	BIKANER	LUNKARANSAR	34.63	40.83	-	38.28
W284700073500001	Mahajan	BIKANER	LUNKARANSAR	-	36.80	-	35.75
W284700073500001	MAHAJAN	BIKANER	LUNKARANSAR	33.05	33.15	36.65	35.75
W274600073490002	Mahajan-Pz	BIKANER	LUNKARANSAR	37.30	37.70	37.20	37.56
W283830073520001	MALKISAR	BIKANER	LUNKARANSAR	14.47	11.27	14.42	15.00
W284530073462001	MANARIA	BIKANER	LUNKARANSAR	47.61	48.01	47.84	-
W275400072360001	Manju Ki Dhani	BIKANER	KOLAYAT	52.70	51.90	-	-
W280300072293001	MANKASAR	BIKANER	KOLAYAT	11.06	10.76	10.50	12.18
W275800072250001	MODAYAT	BIKANER	KOLAYAT	14.74	14.61	14.86	14.29
W275745073333002	NAPASAR	BIKANER	BIKANER	77.79	87.61	77.54	76.77
W273830072390001	NOKHRA	BIKANER	KOLAYAT	89.49	88.28	88.58	87.76
W280300073284501	RAISAR	BIKANER	BIKANER	75.20	76.50	-	75.55
W285305073171501	RANER	BIKANER	LUNKARANSAR	15.50	21.40	19.66	20.85
W280135072073001	RANJITPURA	BIKANER	KOLAYAT	24.90	24.70	24.30	24.85
W274720073462001	SADHSAR	BIKANER	NOKHA	112.85	113.70	115.08	115.25
W284200073530001	Sangrew	BIKANER	LUNKARANSAR	29.40	30.00	-	-
W283530073044501	SATTASAR	BIKANER	BIKANER	30.01	31.03	31.31	30.91
W281645072243001	TANWAR WALA	BIKANER	KOLAYAT	18.77	19.47	19.47	19.89
W251600075460001	BALLOP	BUNDI	TALERA	6.00	3.35	4.45	0.22
W252815075520001	DELUNDA	BUNDI	TALERA	8.81	6.74	9.59	7.97

WELL No.	SITE NAME	DISTRICT	BLOCK_NAME	Depth to Water Level			
				May-14	Aug-14	Nov-14	Jan-15
W253230075594501	GAINDOLI	BUNDI	KESHORAI PATAN	3.85	1.57	1.45	3.60
W252500076040001	KAPREN	BUNDI	KESHORAI PATAN	2.31	1.90	1.89	1.96
W251908075555001	KESHORAIPATAN	BUNDI	KESHORAI PATAN	2.61	1.18	1.86	1.16
W254000076110001	LAKHERI	BUNDI	KESHORAI PATAN	0.80	0.07	0.18	0.30
W244900073490001	MAIJA	BUNDI	KHAMNOR	2.20	1.04	1.38	0.45
W253320075565001	MOTIPURA	BUNDI	NAINWA	13.49	7.34	8.09	8.39
W252940075493001	RAJWAS	BUNDI	TALERA	4.46	1.80	2.45	3.21
W252400075333001	RAMNAGAR	BUNDI	TALERA	3.25	1.64	3.39	8.24
W252820075331501	SATUR	BUNDI	HINDOLI	9.10	5.38	6.80	3.07
W244400074160001	AKOLA	CHITTAURGARH	BHOPALSAGAR	16.00	8.30	7.46	8.10
W244336074270001	BANSEN	CHITTAURGARH	BHADESAR	18.70	2.45	-	8.90
W250630074500001	Dugar	CHITTAURGARH	BEGUN	3.30	0.45	1.80	0.40
W250300074380001	GANGRAR1	CHITTAURGARH	GANGRAR	16.25	-	9.55	9.85
W241900074260001	KALAKHET	CHITTAURGARH	BARI SADRI	21.50	-	-	-
W245140074183001	KAPASAN1	CHITTAURGARH	KAPASAN	5.18	2.30	2.27	3.17
W250210074293001	KHARKHANDA	CHITTAURGARH	GANGRAR	21.54	1.44	5.94	12.04
W242126074211301	MAHOODA	CHITTAURGARH	DUNGLA	-	16.00	-	13.15
W245420074384001	MANPURA2	CHITTAURGARH	CHITTAURGARH	9.07	2.97	6.49	8.91
W250440075100001	MENAL	CHITTAURGARH	BEGUN	4.05	0.85	2.04	1.05
W245230074160001	MUNGANA	CHITTAURGARH	BHOPALSAGAR	12.75	7.82	7.54	7.87
W245700074420001	NAGARI1	CHITTAURGARH	CHITTAURGARH	17.15	1.85	6.55	12.60
W244100074210001	NAPANIA	CHITTAURGARH	BHADESAR	-	10.80	14.15	13.40
W250700074540001	PARSOLI	CHITTAURGARH	BEGUN	12.79	0.85	4.25	6.70
W245630074311001	PUROHITOKASAVAT	CHITTAURGARH	CHITTAURGARH	-	20.73	20.48	21.58
W250400074214501	RASHMI1	CHITTAURGARH	RASHMI	8.66	4.25	5.62	6.98
W245600075353001	RAWATBHATA	CHITTAURGARH	BHINSRORGARH	-	0.77	0.04	0.39
W245600074272001	SINGHPUR	CHITTAURGARH	KAPASAN	14.75	2.90	3.95	11.20
W283400074301501	Aspalsar	CHURU	SARDARSHAR	-	45.60	43.55	44.30
W274400074070001	BAMBOO	CHURU	SUJANGARH	63.50	63.00	63.25	62.78
W284730075030001	BHALAUTIBBA	CHURU	TARANAGAR	12.71	12.52	13.11	12.86
W274315074323001	BHOJASAR	CHURU	SUJANGARH	28.52	29.47	28.52	29.74
W275900074351501	BHOJRASAR	CHURU	RATANGARH	-	53.27	53.21	53.06
W281545074523001	BINASAR	CHURU	CHURU	33.65	33.84	-	33.73
W280230074473001	BIRAMSAR1	CHURU	RATANGARH	36.07	35.47	35.97	36.22
W283800075140001	DADREWA	CHURU	RAJGARH	19.51	13.10	13.11	12.64
W285030074543001	DHIRAWAS	CHURU	TARANAGAR	7.75	7.10	8.61	8.61
W281845074491501	DUDWA	CHURU	CHURU	59.58	59.58	-	-
W282800075040001	DUDWA KHARA	CHURU	CHURU	18.41	20.30	18.89	19.59
W281730074541501	GUJRON KI DHANI	CHURU	CHURU	31.41	31.51	31.43	31.65
W274415074281001	GULERIYA	CHURU	SUJANGARH	9.16	8.51	8.83	9.42
W283830074223001	HARDESAR	CHURU	SARDARSHAR	59.62	57.63	57.67	-
W282450074151001	KHUNDIA	CHURU	SARDARSHAR	55.00	55.00	-	-
W280030074373001	LOHA1	CHURU	RATANGARH	-	29.11	-	29.01
W281300073300001	MALASAR	CHURU	BIKANER	-	47.62	-	-
W281200074310001	MELUSAR	CHURU	RATANGARH	-	29.18	-	26.38
W281215074315001	MELUSAR1	CHURU	RATANGARH	40.70	41.90	40.00	40.72
W282500074240001	MITTASAR	CHURU	SARDARSHAR	60.87	60.17	61.97	61.42
W283900075180001	NANGLI	CHURU	RAJGARH	26.20	25.10	25.91	24.80
W275600074340001	PERIHARA	CHURU	RATANGARH	27.35	27.35	-	-
W280215074283501	RAJALDESAR	CHURU	RATANGARH	47.90	49.88	45.88	47.78
W250600076120001	RAJGARH1	CHURU	SULTANPUR	23.06	20.01	-	23.01
W282800074514501	RAMPURA	CHURU	CHURU	19.26	22.00	20.24	21.58
W280500074370001	RATANGARH	CHURU	RATANGARH	41.87	41.87	41.17	-
W280100074370002	Ratangarh2	CHURU	RATANGARH	43.00	41.70	-	-
W284200074210001	SADASAR	CHURU	SARDARSHAR	59.20	58.80	58.85	58.95
H282600074260001	SARDARSHAHAR	CHURU	SARDARSHAR	37.80	38.20	42.55	43.41
W285230074503001	SHAWA	CHURU	TARANAGAR	14.80	12.80	14.80	14.50
W282600075075001	SIRSALA	CHURU	CHURU	29.40	30.17	29.92	29.64
W282310074040001	SOMASAR	CHURU	SARDARSHAR	56.52	57.54	57.64	57.54
W274500074013001	SONIASAR	CHURU	SUJANGARH	74.78	74.78	-	-
W280400074440001	TODIASAR	CHURU	RATANGARH	-	35.00	40.00	44.05
W270500076352001	B GURJRAN	DAUSA	BANDIKUI	42.60	42.50	41.92	-
W265900076170001	BAPI	DAUSA	DAUSA	7.22	4.82	6.92	6.97
W265900076170001	Bapi	DAUSA	DAUSA	7.98	-	-	6.97
W265850076170001	BAPI_Pz	DAUSA	DAUSA	-	7.70	7.28	7.35
W271000076350001	Baswa1	DAUSA	BANDIKUI	40.55	42.70	40.80	41.60
W265500076240001	BHANDAREJ	DAUSA	DAUSA	16.90	18.20	22.30	22.80
W264800076200001	BIGAWAS MOD	DAUSA	DAUSA	9.70	11.15	11.90	-
H265400076540001	Dausa	DAUSA	DAUSA	9.80	10.20	9.10	9.95
W265345076193001	DAUSA1	DAUSA	DAUSA	13.51	14.01	13.91	14.76
W265400077020001	DHAND1	DAUSA	MAHUWA	16.50	18.90	25.30	25.95
W264845076303501	GARH RANOLI	DAUSA	SIKRAI	37.10	38.25	38.10	38.30
W265818076563901	Ghazipur	DAUSA	MAHUWA	11.25	11.62	13.60	11.14
W265830076572001	Ghazipur-Pz	DAUSA	MAHUWA	-	-	13.70	-
W265305076383501	Gijgarh	DAUSA	SIKRAI	53.88	-	-	-
W265305076383501	GIJGARH	DAUSA	SIKRAI	-	49.35	55.10	-
W265700076190001	Jasuta_Pz	DAUSA	DAUSA	-	9.95	9.40	-
W265900076243001	Kalipahari	DAUSA	DAUSA	24.82	26.72	27.20	27.70
W263400076201502	LALSOT2	DAUSA	LALSOT	40.17	41.67	34.47	35.37
W265800076460001	LANGRA BALAJI	DAUSA	SIKRAI	31.60	31.90	32.50	34.70

WELL No.	SITE NAME	DISTRICT	BLOCK_NAME	Depth to Water Level			
				May-14	Aug-14	Nov-14	Jan-15
W264700076130001	LAWAN1	DAUSA	DAUSA	-	-	41.25	42.15
W270430076570001	MAHUWA	DAUSA	MAHUWA	32.97	33.34	34.37	35.27
W264445076201002	Nagal Rajawatan	DAUSA	LALSOT	30.85	31.20	26.35	31.80
W264100076120001	PRAHLADPURA	DAUSA	LALSOT	-	-	54.80	55.30
W270700076500001	Rampura2	DAUSA	MAHUWA	-	27.15	-	-
W263900077480001	AITHMEEL	DHAULPUR	DHAULPUR	8.52	5.27	5.92	7.12
W263607077283601	ANGAI	DHAULPUR	BASERI	5.32	5.72	7.27	9.52
W265410077560001	BARETHA KALAN	DHAULPUR	DHAULPUR	24.50	24.20	29.40	-
W264000077370001	BARI1	DHAULPUR	BARI	10.80	11.25	11.15	11.05
W264100077520001	Dhaulpur	DHAULPUR	DHAULPUR	13.60	13.70	13.40	13.20
W264100077520002	Dhaulpur1	DHAULPUR	DHAULPUR	11.78	11.50	11.80	12.20
W250730073420001	GAJPURA	DHAULPUR	KUMBHALGARH	4.97	3.82	3.07	4.62
W265130077430001	KANTHRI	DHAULPUR	BARI	5.98	5.50	4.20	5.35
W264900077573001	Mangraul	DHAULPUR	DHAULPUR	19.01	18.65	21.35	22.85
W263120077231501	NAKATPURA	DHAULPUR	BASERI	7.70	5.15	4.05	5.75
W265330077463001	PIPEHARA	DHAULPUR	BARI	35.10	35.52	39.90	40.50
W264610077355001	SALEMPUR	DHAULPUR	BASERI	5.40	5.10	-	5.45
W265050078053001	SAWALIAPURA	DHAULPUR	RAJAKHERA	26.30	26.30	26.30	-
W265600078081502	SIKRONDA	DHAULPUR	RAJAKHERA	29.80	27.70	29.25	30.65
W234200073490001	Anteree	DUNGARPUR	DUNGARPUR	3.52	3.30	2.67	1.52
W235700074050001	Aspur	DUNGARPUR	ASPUR	-	12.00	-	11.58
W235730074044501	Aspur1	DUNGARPUR	ASPUR	8.35	-	-	12.65
W235730074044501	ASPUR1	DUNGARPUR	ASPUR	7.80	11.90	1.65	12.65
W235400074041501	BARODA	DUNGARPUR	ASPUR	4.06	1.36	1.31	1.82
W234700073300001	Beechiwara	DUNGARPUR	BICCHIWARA	13.40	8.13	-	8.33
W233700074050002	BHILURA	DUNGARPUR	SAGWARA	5.43	2.99	2.05	3.59
W235000073420001	Dungarpur1	DUNGARPUR	BICCHIWARA	8.05	4.13	4.49	3.95
W234245073421501	GORADA	DUNGARPUR	BICCHIWARA	8.32	4.75	4.88	4.45
W235319073540301	HATAI	DUNGARPUR	DUNGARPUR	6.78	3.79	4.98	4.34
W232800073590001	Jasala	DUNGARPUR	SIMALWARA	25.60	16.95	11.16	16.99
W235100074050001	Kabja	DUNGARPUR	ASPUR	4.10	3.67	3.29	3.90
W234900073340001	KANABA	DUNGARPUR	BICCHIWARA	7.30	3.47	3.10	3.88
W233800073450001	KARAWARA	DUNGARPUR	BICCHIWARA	11.86	-	-	-
W232800073550001	KUA	DUNGARPUR	SIMALWARA	10.50	4.08	2.30	5.80
W242700072450001	MANPUR2	DUNGARPUR	ABU ROAD	7.71	2.35	2.56	10.07
W234100073573001	NANTHODA	DUNGARPUR	SAGWARA	7.75	5.20	4.40	7.75
W235030073335501	NAVAL SHYAM	DUNGARPUR	BICCHIWARA	9.54	4.62	3.41	5.11
W235000073410001	NAYADERA	DUNGARPUR	BICCHIWARA	7.28	7.93	5.43	7.48
W234700074023001	NAYAGAON1	DUNGARPUR	SAGWARA	5.25	2.70	2.52	3.60
W233100073460001	PEETH	DUNGARPUR	SIMALWARA	12.06	2.85	2.20	7.28
W273600076480001	Ramgarh2	DUNGARPUR	RAMGARH	5.60	5.05	9.90	14.15
W234600073270001	RATANPPUR	DUNGARPUR	BICCHIWARA	11.65	7.09	4.47	7.23
W235120074094001	SABLA	DUNGARPUR	ASPUR	7.76	5.52	4.76	6.81
H234100074410002	Sagwara	DUNGARPUR	SAGWARA	8.40	6.66	7.36	7.60
W291000073510001	22 L G W	GANGANAGAR	SURATGARH	-	8.10	-	-
W291550073353001	22GB CHAK	GANGANAGAR	ANUPGARH	9.78	7.91	10.31	8.96
W291200073130002	ANUPGARH1	GANGANAGAR	ANUPGARH	13.16	9.16	12.15	13.70
W291830073134501	BANDA COLONY	GANGANAGAR	ANUPGARH	8.33	4.48	6.28	8.84
W285300073210001	BHOPALPURA	GANGANAGAR	LUNKARANSAR	3.75	2.15	3.90	2.05
W293800073460001	BINJBALIA	GANGANAGAR	PADAMPUR	14.10	11.11	12.10	13.90
W290700073551001	Birdhwal1	GANGANAGAR	SURATGARH	43.80	42.70	43.00	41.10
W291000073430001	BIRMANA	GANGANAGAR	SURATGARH	5.70	3.28	5.00	5.40
W294930073434501	CHUNAWAD	GANGANAGAR	GANGANAGAR	12.87	12.87	13.07	13.12
W265200071000001	DABLA	GANGANAGAR	JAISALMER	10.97	5.22	9.57	10.17
W294330073354501	DELWAN	GANGANAGAR	PADAMPUR	11.32	7.42	11.15	10.70
W293800073270001	GAJSINGHPURA	GANGANAGAR	RAISINGHNAGAR	8.07	8.22	8.02	7.82
W294445073540001	GANESHGARH	GANGANAGAR	GANGANAGAR	18.12	14.62	16.92	16.39
W293545073370001	GANGUWALA	GANGANAGAR	PADAMPUR	5.60	3.40	4.10	12.05
W290200073260001	GOMANWALI	GANGANAGAR	ANUPGARH	8.50	6.50	8.50	6.65
W290745073471501	HARISINGHPURA	GANGANAGAR	SURATGARH	20.35	16.55	17.45	19.65
W300847073545501	Hindumal Kot	GANGANAGAR	GANGANAGAR	-	15.20	15.80	-
W293045073370001	JAGATSINGHWALA	GANGANAGAR	RAISINGHNAGAR	11.03	10.13	10.83	9.75
W292115073380001	Jaitsar	GANGANAGAR	ANUPGARH	7.60	5.90	6.40	6.65
W291400073310001	KARANPUR1	GANGANAGAR	ANUPGARH	5.45	4.65	5.45	4.95
W294830073333001	KHARLA	GANGANAGAR	KARANPUR	14.50	14.50	-	-
W295045074143001	KHERUWALA	GANGANAGAR	SADULSHAHAR	22.93	20.04	22.83	22.53
W295030074012001	LALGAARH JATAN	GANGANAGAR	SADULSHAHAR	20.65	17.60	19.30	18.00
W295120073591501	Lalgarh	GANGANAGAR	SADULSHAHAR	17.90	16.10	18.70	20.00
W290600073430001	LALGARIYA	GANGANAGAR	SURATGARH	23.75	20.75	22.40	25.01
W294815073513001	MAHIYANWALI	GANGANAGAR	GANGANAGAR	1.05	0.55	0.66	-
W294600074050001	MORJHAND KHERI	GANGANAGAR	SADULSHAHAR	40.50	40.50	-	-
W293115073350001	MUKLAWA	GANGANAGAR	RAISINGHNAGAR	13.08	10.98	11.16	10.48
W294058073513001	Narsinghpur	GANGANAGAR	PADAMPUR	18.60	17.30	17.60	17.50
W294100073513001	NARSINGHPUR1	GANGANAGAR	PADAMPUR	-	7.20	8.10	16.99
W291630073463001	PADAMPURA	GANGANAGAR	SURATGARH	0.06	0.01	0.61	0.21
W290300073511501	PIPASAR	GANGANAGAR	SURATGARH	40.08	37.88	38.33	38.78
W291454073540001	PIPERAN	GANGANAGAR	SURATGARH	7.45	5.15	6.45	7.15
W293200073270001	RAISINGHNAGAR	GANGANAGAR	RAISINGHNAGAR	11.64	11.18	10.93	10.58
W291000073223001	RAMSINGHPURA	GANGANAGAR	ANUPGARH	15.69	14.69	15.89	14.49
W291100073570002	RAYANWALI	GANGANAGAR	SURATGARH	19.12	14.86	14.11	18.26

WELL No.	SITE NAME	DISTRICT	BLOCK_NAME	Depth to Water Level			
				May-14	Aug-14	Nov-14	Jan-15
W284800073040001	ROJARI	GANGANAGAR	ANUPGARH	8.18	8.83	8.10	7.65
W294745073264501	RUPANAGAR	GANGANAGAR	KARANPUR	5.51	-	-	5.05
W291330073464501	SANGITA	GANGANAGAR	SURATGARH	0.02	-	-	-
W291700074101501	SARDARPURA	GANGANAGAR	SURATGARH	4.00	7.10	7.80	4.50
W294145073550001	SURANWALI	GANGANAGAR	SADULSHAHAR	19.00	-	-	18.55
W291700073480001	SURATGARH	GANGANAGAR	SURATGARH	6.55	3.80	4.90	5.10
W294830073440001	TATARSAR	GANGANAGAR	GANGANAGAR	13.96	13.50	13.96	13.42
W290600075090001	Bhadra1	HANUMANGARH	BHADRA	30.00	-	-	-
W295230074280002	Bhagatpura-Pz	HANUMANGARH	HANUMANGARH	-	13.62	12.50	13.50
W291400074450002	BHUKARKA	HANUMANGARH	NOHAR	22.80	19.72	19.90	19.80
W291400074450003	BHUKARKA1	HANUMANGARH	NOHAR	25.25	24.88	23.48	-
W280200074470001	BIRAMSAR	HANUMANGARH	RATANGARH	24.40	24.45	24.88	24.50
W285200074164001	BISRASAR	HANUMANGARH	NOHAR	44.75	44.45	44.36	44.35
W295015074243501	BOLANWALI	HANUMANGARH	HANUMANGARH	15.50	15.60	16.30	15.62
W294150074174002	Chak Sampatnagar1	HANUMANGARH	HANUMANGARH	-	-	21.67	-
W294150074174001	Chak Sampatnagar2	HANUMANGARH	HANUMANGARH	22.66	21.10	21.67	21.40
W293730074303001	CHANDURWALA	HANUMANGARH	HANUMANGARH	22.35	-	-	15.05
W292132074255501	CHAUWALI	HANUMANGARH	HANUMANGARH	1.80	0.70	2.80	2.56
W292132074355501	CHISTIAN	HANUMANGARH	HANUMANGARH	28.60	28.60	29.02	29.00
W292245074161501	CHOHLINYAWALI	HANUMANGARH	HANUMANGARH	4.50	1.60	3.00	1.60
W291100074203001	DHANASAR	HANUMANGARH	NOHAR	8.40	7.50	9.40	8.70
W294530074160001	DHOLIPAL	HANUMANGARH	HANUMANGARH	20.88	4.93	22.94	20.53
W285430074080001	DUDHAL	HANUMANGARH	NOHAR	47.25	45.75	46.05	47.25
W290050075055001	DUNGRANA	HANUMANGARH	BHADRA	14.50	13.30	14.10	13.65
W293800074033602	GOLUWALA	HANUMANGARH	HANUMANGARH	22.88	21.90	23.50	23.10
W293700074170001	Hanumangarh Rau	HANUMANGARH	HANUMANGARH	20.10	17.20	17.40	17.40
W292830074073701	Kalibanga-Pz	HANUMANGARH	HANUMANGARH	-	14.88	15.68	22.61
W293340074200001	KOHLA	HANUMANGARH	HANUMANGARH	19.00	17.05	17.51	19.65
W293345073581501	LAKHASAR1	HANUMANGARH	HANUMANGARH	17.90	13.60	14.50	19.50
W280545073521501	LAKHASAR2	HANUMANGARH	SHRI DUNGARGARH	16.40	15.55	13.65	14.45
W285830074173001	LAKHERAN	HANUMANGARH	NOHAR	38.30	37.10	37.60	37.02
H282130075213001	MALSISAR	HANUMANGARH	ALSISAR	12.70	12.10	13.90	12.15
W292830074241001	MUNDA	HANUMANGARH	HANUMANGARH	6.45	-	-	-
W290600075020001	MUNSARI	HANUMANGARH	BHADRA	14.58	12.78	14.68	13.73
W291650074460001	NOHAR1	HANUMANGARH	NOHAR	-	15.05	14.60	15.10
W294100074094501	PAKKASARNA	HANUMANGARH	HANUMANGARH	25.49	15.94	16.34	25.59
W294100074060001	Pale Wali Dhani	HANUMANGARH	HANUMANGARH	-	22.10	-	-
W285500074120001	PALLU	HANUMANGARH	NOHAR	46.60	46.60	-	-
W292445074120001	PANDITAWALI	HANUMANGARH	HANUMANGARH	8.26	6.37	7.66	8.03
W290200074170001	PURABSAR	HANUMANGARH	NOHAR	47.75	-	-	-
W292345073562701	RAMSARA	HANUMANGARH	HANUMANGARH	16.55	12.05	12.60	16.20
W291500074500001	RAMSARA1	HANUMANGARH	NOHAR	19.60	15.10	14.90	13.65
W283200074140001	RATANPURA	HANUMANGARH	SARDARSHAR	11.50	3.50	5.90	11.35
W291510074245001	RAWATSAR	HANUMANGARH	NOHAR	0.40	0.10	0.70	0.40
W294200074291501	SALEWALI	HANUMANGARH	HANUMANGARH	9.85	0.60	1.90	2.00
W293730074190001	SATIPURA	HANUMANGARH	HANUMANGARH	-	22.40	22.60	21.94
H293400074340001	Tibbi	HANUMANGARH	HANUMANGARH	16.90	16.90	-	-
W265900075520001	AMBER	JAIPUR	AMER	11.90	5.40	7.10	9.75
W270738075454801	Anantpura	JAIPUR	GOVINDGARH	52.00	55.60	-	-
W270330076100001	ANDHI	JAIPUR	JAMWA RAMGARH	-	-	28.10	28.20
W265913075301301	Bassi Nagal	JAIPUR	SAMBHAR	-	62.70	61.22	65.30
W265000076040002	BASSI2	JAIPUR	BASSI	39.25	39.25	37.57	37.80
W270400075580002	BHANPUR KALAN	JAIPUR	JAMWA RAMGARH	43.30	44.05	44.40	-
H263600075360001	CHAKSU	JAIPUR	PHAGI	14.25	9.40	12.45	9.45
W270600075510001	CHAUMP	JAIPUR	AMER	77.00	65.95	64.25	-
W264749075345001	Chirota	JAIPUR	SANGANER	25.43	10.65	-	14.55
	CHOMU	JAIPUR		102.50	-	-	-
W271100076040001	DATAL GURJRAN	JAIPUR	JAMWA RAMGARH	24.70	29.10	30.10	30.10
W263402075451501	DAWACH	JAIPUR	PHAGI	9.60	7.95	6.72	7.30
W263400075460001	DAWACH1	JAIPUR	PHAGI	8.80	7.60	7.73	8.46
	DHODSAR	JAIPUR		53.32	43.30	44.07	43.69
W265030075472001	DURGAPURA	JAIPUR	SANGANER	52.70	55.10	55.40	55.08
W264700075540001	GONER	JAIPUR	SANGANER	13.30	13.00	12.90	12.95
W272900076590001	Govindgarh1	JAIPUR	LAXMANGARH	44.00	-	-	-
W270130076003001	HASTAL KA BAS	JAIPUR	JAMWA RAMGARH	18.89	-	20.13	19.59
	Hastera	JAIPUR		37.00	-	-	-
	Hastera1	JAIPUR		-	25.20	25.31	24.82
W265200075470001	JAIPUR PZO 1	JAIPUR	SANGANER	-	43.18	42.24	-
W270245075383001	JAITPURA II	JAIPUR	AMER	-	-	53.41	-
	Jalsu	JAIPUR		31.70	-	47.13	-
W265600075440001	Jhotwara	JAIPUR	JHOTWARA	71.10	-	69.07	71.12
W265636075444001	JHOTWARA1	JAIPUR	JHOTWARA	-	68.60	-	-
W265830075240001	Jobner	JAIPUR	SAMBHAR	35.20	25.30	25.53	24.82
	Kaladera	JAIPUR		-	-	48.04	-
	Kaladera2	JAIPUR		-	-	48.04	48.34
W265830075360001	KALWAD	JAIPUR	JHOTWARA	41.70	46.70	44.30	44.37
	KHEJROLI	JAIPUR		-	-	54.83	-
	Khejroli-Pz	JAIPUR		41.00	53.95	-	63.30
W274100076130001	KOTPUTLI1	JAIPUR	KOTPUTLI	-	-	38.91	39.39
W270000075580001	MALAWALA	JAIPUR	JAMWA RAMGARH	46.10	45.80	45.90	45.70

WELL No.	SITE NAME	DISTRICT	BLOCK_NAME	Depth to Water Level			
				May-14	Aug-14	Nov-14	Jan-15
W263636075164001	MANGARWARA	JAIPUR	DUDU	3.28	2.98	1.00	0.43
W265110075460001	MANSAROVAR	JAIPUR	SANGANER	44.30	36.92	36.62	36.04
W265112075460001	Mansarovar Cgwb	JAIPUR	SANGANER	-	40.48	39.93	38.64
W265600075464501	MES JAIPUR	JAIPUR	JHOTWARA	45.88	46.15	45.47	45.04
W264800075400001	MOHANA	JAIPUR	SANGANER	48.70	39.80	41.43	43.37
	Mohanpur Balaji	JAIPUR		-	59.55	58.40	57.85
W264100075214501	MOZMABAD	JAIPUR	DUDU	4.07	3.42	2.85	3.67
W270300075450002	N.PUROHITAN	JAIPUR	AMER	-	47.22	47.23	47.32
W264800075260001	NASNOTA	JAIPUR	DUDU	11.33	6.33	9.57	9.43
W265800075430001	Niwaroo	JAIPUR	JHOTWARA	58.33	-	57.88	62.67
W264410075180001	PALLUKHURD	JAIPUR	DUDU	5.25	3.50	4.10	4.40
W273809076071901	Raghunathpura_Pz	JAIPUR	KOTPUTLI	38.40	37.20	38.00	42.75
W270700076121801	RASALA	JAIPUR	JAMWA RAMGARH	9.09	7.67	8.57	8.07
W264200075530001	SHIVDASPURA	JAIPUR	CHAKSU	18.70	18.70	18.63	19.40
W264730075090001	SIROHIKHURD	JAIPUR	SAMBHAR	-	3.56	3.03	5.18
W265500075410001	SIRSI	JAIPUR	JHOTWARA	80.08	74.86	71.83	71.37
W265245075464001	SURYANAGAR	JAIPUR	JHOTWARA	51.07	45.68	44.82	43.84
W263645075531001	THALLI	JAIPUR	CHAKSU	9.05	6.60	7.75	8.50
	TIGARIA	JAIPUR		59.23	53.60	51.57	57.20
W264320075421001	TILAWALA	JAIPUR	SANGANER	38.82	34.91	-	-
	Udaipuriya-Pz	JAIPUR		-	76.30	-	-
W271545071424501	AJASAR	JAISALMER	JAISALMER	51.80	50.80	-	49.40
W273100071500001	AWAI	JAISALMER	JAISALMER	6.30	6.35	6.41	6.45
W270200070540002	BAISHAKHI	JAISALMER	JAISALMER	22.00	21.53	22.76	22.85
W262920071483001	BALAR	JAISALMER	SANKRA	16.67	-	-	-
W270045070524501	BARAMSAR	JAISALMER	JAISALMER	4.40	-	-	-
W265130071110001	BARORA GAON	JAISALMER	JAISALMER	70.74	-	-	-
W270100071110001	BASINPUR	JAISALMER	JAISALMER	54.88	-	-	-
W272900071470001	BHADRIAS	JAISALMER	JAISALMER	9.00	9.37	9.65	9.50
W265500071110001	BHADUREGAON	JAISALMER	JAISALMER	66.10	-	-	-
W263750071293001	BHAINSARA	JAISALMER	SANKRA	21.37	21.25	21.50	22.57
W271630070583001	BOA	JAISALMER	JAISALMER	49.35	55.90	49.46	50.05
W273845072073001	BORANA	JAISALMER	JAISALMER	31.48	31.84	31.34	25.70
W265830071451001	CHACHA	JAISALMER	SANKRA	13.39	13.21	13.34	13.96
W265930071180001	CHANDAN	JAISALMER	JAISALMER	47.44	47.58	47.80	47.94
W271124071431201	Chandsar	JAISALMER	SANKRA	71.97	-	-	-
W270600070550002	CHODHARIYA	JAISALMER	JAISALMER	24.90	19.78	24.83	26.10
W263130071554801	Dantal	JAISALMER	SANKRA	-	2.05	-	-
W271300071000001	DEVA	JAISALMER	JAISALMER	29.46	29.46	29.46	-
W265415071213001	DHAISAR	JAISALMER	JAISALMER	61.55	61.32	61.30	61.47
W272910070160502	GAMANEWALA	JAISALMER	SAM	73.02	61.79	61.90	61.94
W274600070260001	GHANTIYALI	JAISALMER	SAM	46.19	36.14	-	36.41
W265706071560001	Gomath	JAISALMER	SANKRA	54.87	48.58	-	59.47
W271900070021501	GOTARU	JAISALMER	SAM	37.93	36.95	36.97	37.65
W264545071361501	GUDI KA TALA	JAISALMER	SANKRA	5.25	4.72	5.41	5.75
W271100070400001	HABOOR	JAISALMER	JAISALMER	105.35	105.35	105.35	-
W270000071000001	HAMIRA	JAISALMER	JAISALMER	42.05	41.85	42.25	-
W265300070530001	JAISALMER	JAISALMER	JAISALMER	37.28	36.93	36.88	36.88
W264820071541501	KALEWA	JAISALMER	SANKRA	23.60	13.30	21.71	19.80
W263600070420002	KHURI	JAISALMER	SAM	8.80	8.87	-	9.15
W270850070253001	KHUYIALA	JAISALMER	SAM	16.90	-	18.02	17.10
W270422070332501	KUCHERI	JAISALMER	SAM	105.90	-	-	-
W273530071594501	KUI	JAISALMER	JAISALMER	26.47	-	-	-
W274930070293001	KURIA	JAISALMER	SAM	37.60	-	-	34.70
W264330071255701	LAKHASAR	JAISALMER	SAM	39.40	39.24	41.07	39.35
W270440070483001	Lanela	JAISALMER	JAISALMER	37.88	-	-	37.50
W270440070483001	LANELA	JAISALMER	JAISALMER	37.20	37.00	37.11	37.50
W273000071310001	LATHI	JAISALMER	JAISALMER	55.40	-	49.38	49.40
W265220072020001	LAWAN	JAISALMER	SANKRA	21.80	24.06	23.70	19.90
W270900071460001	LOHARKI	JAISALMER	SANKRA	68.44	-	68.81	68.04
W273130070094402	LONGEWALA1	JAISALMER	SAM	54.40	47.72	47.80	47.70
W264045071341501	LUNA KALAN	JAISALMER	SANKRA	12.30	10.33	11.39	11.10
W264445071301501	MADASAR	JAISALMER	SANKRA	13.20	11.03	9.07	12.00
W261500070220002	Maizalar	JAISALMER	SAM	72.60	72.47	70.19	-
W265445070500601	MOOLSAGAR	JAISALMER	JAISALMER	15.40	15.40	15.55	15.70
W265400070503001	Moolsagar_Pz	JAISALMER	JAISALMER	70.78	71.65	70.87	74.18
W273100071431501	NACHNA	JAISALMER	JAISALMER	9.10	9.13	9.08	9.10
W274840070245501	NATHU KA BERA	JAISALMER	SAM	-	30.79	30.76	31.10
W272130070590001	NEDAI	JAISALMER	JAISALMER	51.20	-	-	-
W273645072020001	NEWEATA	JAISALMER	JAISALMER	21.65	21.15	21.43	21.20
W273300072151501	NOKH	JAISALMER	JAISALMER	22.22	-	-	-
W273230072163001	Nokh1	JAISALMER	JAISALMER	22.52	20.60	20.69	20.30
W262930071291501	OLA	JAISALMER	SANKRA	27.80	-	-	-
	PHALSUND	JAISALMER		4.39	4.07	4.77	5.59
W262324070281801	Phulia1	JAISALMER	SAM	-	-	73.10	73.30
W250600076120001	RAJGARH1	JAISALMER	SULTANPUR	18.50	18.25	18.38	23.01
W273600076480001	Ramgarh2	JAISALMER	RAMGARH	65.60	46.93	47.09	14.15
W273536070270001	Ranau	JAISALMER	SAM	-	-	61.30	63.20
W273805070144001	SADEWALA	JAISALMER	SAM	41.18	41.03	41.10	41.00
W274510070171501	SAKHAKI KA TOBA	JAISALMER	SAM	35.40	-	-	-

WELL No.	SITE NAME	DISTRICT	BLOCK_NAME	Depth to Water Level			
				May-14	Aug-14	Nov-14	Jan-15
W264930070301001	SAM1	JAISALMER	SAM	7.00	1.55	4.59	5.25
W264354071343801	SANKRA1	JAISALMER	SANKRA	15.55	-	-	-
W271424070390001	Sanu1	JAISALMER	SAM	-	106.37	106.37	112.83
W265900071140001	SANWALA	JAISALMER	JAISALMER	30.95	32.90	32.95	32.99
W264300071183001	SANWATA	JAISALMER	SAM	33.65	33.05	-	-
W273000071261501	Sodakar	JAISALMER	JAISALMER	-	-	51.50	51.80
W273000071261501	SODAKAR	JAISALMER	JAISALMER	50.61	-	-	51.80
W270500071330001	SRIBHADRIA	JAISALMER	SANKRA	41.55	-	40.82	41.10
W274800070220001	TANOT	JAISALMER	SAM	33.53	-	30.53	30.48
	BHADRAJAN DHANI	JALORE		-	27.90	27.90	-
	Bhagli	JALORE		52.30	52.20	59.00	63.89
	BHINMAL1	JALORE		5.40	4.20	3.90	5.00
	DHANWARA	JALORE		62.00	60.87	62.11	64.05
	DOONGRI	JALORE		23.73	23.80	22.36	-
	Gudha Balotan	JALORE		-	-	43.35	44.69
	JALORE1	JALORE		20.71	-	-	-
W245300072180001	Kagmala(kundanpura)	JALORE	RANIWARA	38.95	37.30	26.80	29.05
	KHOKAGAON	JALORE		40.00	38.80	38.60	39.23
W260300071180001	NIMLA	JALORE	SHEO	-	13.50	16.70	-
	PUNAK KALAN	JALORE		4.56	4.60	5.49	10.22
	RAMSEEN	JALORE		6.13	6.50	6.80	9.15
	Serena	JALORE		77.70	-	-	68.31
W242445076334001	AKLERA	JHALAWAR	MANOHAR THANA	7.40	1.90	4.10	3.75
W242915076181001	AKTASA	JHALAWAR	JHALRA PATAN	7.69	2.47	3.19	1.39
W242630075545501	ANVLIKALAN	JHALAWAR	JHALRA PATAN	7.09	4.81	4.99	5.64
W241615076301501	ASALPUR	JHALAWAR	BAKANI	9.70	6.65	7.20	6.95
W242500076110001	BINDA	JHALAWAR	JHALRA PATAN	12.77	3.05	6.11	4.27
W235656075500501	DAG1	JHALAWAR	DAG	-	-	18.08	18.71
W242600076223001	DOONGARGAON	JHALAWAR	JHALRA PATAN	4.58	1.28	2.13	2.23
W243400076100001	GAGRON	JHALAWAR	JHALRA PATAN	13.16	0.65	2.03	6.78
W241938076451001	GAJWARA	JHALAWAR	MANOHAR THANA	10.77	1.35	5.08	7.93
W242900075583001	GANESHPURA	JHALAWAR	JHALRA PATAN	11.01	4.17	4.47	4.92
H235600075560002	GANGDHAR	JHALAWAR	DAG	-	8.70	11.00	9.90
W240550075520001	GAURADIYA KALAN	JHALAWAR	DAG	8.38	5.00	5.60	6.59
W240015075530001	GUNAVI	JHALAWAR	DAG	12.85	5.38	8.50	11.85
W242200075494001	GURARIYA JOGA	JHALAWAR	JHALRA PATAN	9.87	6.85	6.75	11.41
W235710075431201	GWALAT	JHALAWAR	DAG	5.98	0.70	2.63	5.10
W242030075593001	JASWANTPURA1	JHALAWAR	PIRAWA	19.00	13.25	15.70	-
W243500076090001	JHALAWAR	JHALAWAR	JHALRA PATAN	10.97	0.37	5.72	3.37
W243200076090001	JHALRAPATAN	JHALAWAR	JHALRA PATAN	7.44	4.40	4.85	4.90
W241615076435001	JHIRI	JHALAWAR	MANOHAR THANA	6.08	0.75	2.05	3.00
W241040075500001	KARVAN KALA	JHALAWAR	DAG	-	7.22	7.52	11.27
W243000076110001	Krishanpura Chow	JHALAWAR	JHALRA PATAN	6.59	1.67	2.76	4.41
W243400076153001	MANDAWAR1	JHALAWAR	JHALRA PATAN	5.35	0.23	0.80	2.65
W241400076483001	MANOHAR THANA1	JHALAWAR	MANOHAR THANA	12.81	11.74	12.26	12.86
W241630075503001	MISHROLI	JHALAWAR	JHALRA PATAN	5.11	0.95	1.01	4.13
W242800076120001	Nahardi	JHALAWAR	JHALRA PATAN	-	-	2.30	3.95
W242100076402001	SAREDI	JHALAWAR	MANOHAR THANA	9.11	4.16	9.36	9.56
W280200075310001	BADAGAON	JHUNJHUNU	UDAIPURWATI	46.00	45.65	46.25	48.02
W281200075104001	Birmi	JHUNJHUNU	ALSISAR	42.10	41.50	42.40	40.33
W275230075381201	CHOWARA	JHUNJHUNU	UDAIPURWATI	38.40	36.40	37.10	35.65
W280950075153001	CHURELA	JHUNJHUNU	ALSISAR	46.15	44.30	44.80	44.67
W281810075373001	Devroad	JHUNJHUNU	CHIRAWA	73.60	73.80	73.95	74.62
W280245075190001	Dighal	JHUNJHUNU	JHUNJHUNU	-	59.10	58.67	53.80
W280245075190001	DIGHAL	JHUNJHUNU	JHUNJHUNU	47.77	-	-	53.80
W280330075155501	JAISINGHPURA	JHUNJHUNU	JHUNJHUNU	50.05	49.85	-	48.00
W281115075312001	Khudana	JHUNJHUNU	JHUNJHUNU	68.05	-	67.11	66.42
W282800075413001	Likua	JHUNJHUNU	SURAJGARH	72.00	72.70	73.11	72.15
W275945075163001	MANDASI SANDASI	JHUNJHUNU	JHUNJHUNU	46.70	56.40	55.70	55.84
W280300075080002	Mandawa1	JHUNJHUNU	JHUNJHUNU	43.40	-	-	-
W281900075260001	MANDRELA	JHUNJHUNU	CHIRAWA	63.05	60.45	61.36	56.00
W281030075271501	Math	JHUNJHUNU	JHUNJHUNU	49.90	48.22	-	51.85
W282345075400001	Morwa	JHUNJHUNU	SURAJGARH	75.00	77.11	77.40	78.10
W275103075152101	Nawalgarh_Pz	JHUNJHUNU	NAWALGARH	-	68.30	-	69.15
W275539075472501	PAPORANA	JHUNJHUNU	KHETRI	21.80	23.10	23.60	24.18
W281425075380001	Shivpura1	JHUNJHUNU	CHIRAWA	-	76.10	-	-
W261347073014701	AFRI(Jodhpur)	JODHPUR	LUNI	-	8.53	16.50	16.20
W271200072503001	ALU	JODHPUR	PHALODI	76.32	-	-	-
	Arifa Kallan	JODHPUR		-	45.75	45.93	-
	BALESAR	JODHPUR		17.22	-	-	-
	BALESAR_Pz	JODHPUR		-	5.70	-	8.60
	BAMBORE	JODHPUR		14.80	14.71	14.49	15.80
	BAORI	JODHPUR		43.80	-	-	-
W272200072210001	BAP1	JODHPUR	BAP	2.56	2.93	3.58	4.20
W272030072191001	BARI DHANI	JODHPUR	BAP	10.40	-	10.17	9.20
W260628073104501	Bhawi	JODHPUR	BILARA	-	9.75	-	9.14
W260628073104501	BHAWI	JODHPUR	BILARA	9.98	7.94	9.16	9.14
W264800072473701	BHIMKAM KAUR	JODHPUR	OSIAN	24.86	24.86	24.86	-
	BILARA1	JODHPUR		77.86	-	-	-
W261304073185001	Bisalpur	JODHPUR	BILARA	-	6.33	6.30	4.35

WELL No.	SITE NAME	DISTRICT	BLOCK_NAME	Depth to Water Level			
				May-14	Aug-14	Nov-14	Jan-15
	BUJAWAR	JODHPUR		20.94	20.54	20.94	20.97
	CAZRI	JODHPUR		26.16	26.46	26.37	26.09
	CAZRI(Barali)	JODHPUR		-	22.20	22.25	19.27
	CHOPASNI NATH	JODHPUR		6.15	4.60	4.55	4.79
	DANGIWAS	JODHPUR		11.16	10.36	10.17	10.17
	Darmi	JODHPUR		-	66.80	-	-
	DEVATRA	JODHPUR		16.00	19.25	18.78	19.10
	DEWALIA	JODHPUR		17.22	-	-	-
	DHARMI	JODHPUR		59.09	67.51	67.51	-
W265100070510001	DHAWA	JODHPUR	JAISALMER	14.00	13.20	12.14	12.20
	Dhirpura_Pz	JODHPUR		-	39.68	40.50	40.90
W263036073124301	Gangani	JODHPUR	MANDORE	-	6.30	6.38	6.30
	Ghewra	JODHPUR		-	87.40	-	-
W271130072182001	Gopa1	JODHPUR	BAP	-	80.90	-	-
W265900072354501	Jambeshawar Nagar	JODHPUR	PHALODI	-	107.54	-	-
	JATYASANI	JODHPUR		20.30	19.98	20.00	20.20
	JODHPUR	JODHPUR		5.74	7.73	7.74	7.59
W272915072283001	KANGIK SIRDI	JODHPUR	BAP	25.98	21.18	-	31.08
	KAPARDA	JODHPUR		28.98	28.98	28.98	-
W265612073033201	KAPURIA	JODHPUR	OSIAN	-	77.31	77.31	-
	KARANI	JODHPUR		47.05	44.10	43.78	43.88
	KHUDALA	JODHPUR		29.20	30.90	30.78	30.86
W265500072180001	KOLU	JODHPUR	PHALODI	-	67.23	-	71.80
	KUMARO KI DHANI	JODHPUR		36.95	35.95	36.13	31.45
	KURI1	JODHPUR		4.95	3.75	3.15	3.18
	LORDI	JODHPUR		31.45	31.18	30.61	29.80
W270340072243001	Lordiya	JODHPUR	PHALODI	-	18.55	-	-
	Luni	JODHPUR		-	2.13	2.25	2.45
	MANDORE1	JODHPUR		8.84	8.09	8.21	7.94
	MOGRA	JODHPUR		11.77	16.86	16.86	-
	Nahar Singh Nagar	JODHPUR		-	42.15	-	-
	NARAN KI DHANI	JODHPUR		41.90	41.34	41.35	41.35
	NARNADI	JODHPUR		42.00	35.30	33.53	33.55
	Narwa	JODHPUR		-	41.70	41.72	41.75
	Olvi	JODHPUR		-	29.05	-	-
W264330072550001	OSIAN1	JODHPUR	OSIAN	8.53	8.38	6.61	6.93
W264630073200001	Palari	JODHPUR	OSIAN	-	-	38.25	38.45
W261425072550701	Rajiv Nagar(Chaukha)	JODHPUR	LUNI	-	21.32	20.82	20.46
	RAMRAWAS	JODHPUR		16.51	16.81	16.73	16.71
	RARON KI DHANI	JODHPUR		34.40	39.23	35.60	36.50
	SAJJARA	JODHPUR		4.22	4.18	4.25	4.27
	Salodi	JODHPUR		18.90	19.20	19.26	19.30
	SHERGARH1	JODHPUR		42.60	37.70	-	43.35
W260212073022001	Sikarpura	JODHPUR	LUNI	-	6.40	5.35	5.50
	Umaidnagar	JODHPUR		-	93.50	-	-
W262248076553301	Atewa	KARAULI	KARAULI	-	23.50	-	16.10
W265600076510001	AZIZPUR	KARAULI	TODA BHIM	-	-	7.45	8.00
W264135076553001	BADH KAMLA	KARAULI	HINDAUN	8.65	8.35	5.80	6.05
W263210077080001	BHAUAPURA	KARAULI	KARAULI	8.21	9.21	6.76	7.76
W262730076550001	BIJALPUR	KARAULI	KARAULI	34.06	34.06	34.06	-
W263245077063001	Chainpur_Pz	KARAULI	KARAULI	-	14.45	12.10	14.35
W263145077043001	Deeppura-Pz D	KARAULI	KARAULI	-	31.20	32.50	35.90
W263145077043002	Deeppura-Pz M	KARAULI	KARAULI	-	31.36	32.75	34.30
W263830077001501	GURLA1	KARAULI	HINDAUN	21.50	17.00	17.20	17.75
W264200077010001	ISLAMPUR	KARAULI	HINDAUN	8.15	5.35	2.95	3.75
W264930076561501	KARANPURA1	KARAULI	TODA BHIM	-	-	17.30	17.35
W262530076560001	KARSAI	KARAULI	KARAULI	13.05	13.20	12.30	13.15
W262100076560001	KELADEVI	KARAULI	KARAULI	0.18	0.83	1.33	1.73
W262445077074501	LANGRA	KARAULI	SAPOTRA	9.21	8.66	9.16	9.51
W261820077145501	MANDRAL	KARAULI	SAPOTRA	19.87	18.04	30.04	30.49
W264050076440001	NADAUTI	KARAULI	NADAUTI	5.90	6.60	2.55	2.90
W261930076410001	NAROLI DANG	KARAULI	SAPOTRA	17.53	17.53	17.53	-
W263630076430001	SAHAR1	KARAULI	NADAUTI	8.06	8.66	6.86	7.51
W262650077051501	SANKRA2	KARAULI	KARAULI	5.52	5.50	3.10	3.40
W261721076451801	SAPOTRA1	KARAULI	SAPOTRA	14.01	13.16	13.86	14.06
W250227075532401	ALANIA	KOTA	LADPURA	8.86	0.90	4.00	4.20
W252645076260501	AYANA	KOTA	ITAWA	12.82	2.97	8.17	7.21
W250115075420001	BORAWAS	KOTA	LADPURA	4.35	0.17	0.50	0.60
W245430075584001	DARA	KOTA	LADPURA	-	0.45	3.05	1.80
W251430076052001	DIGOD1	KOTA	SULTANPUR	1.48	0.80	0.90	0.83
W251038076105601	GADEPAN	KOTA	SULTANPUR	2.64	0.90	1.90	1.35
W253433076183601	GAINTA	KOTA	ITAWA	26.06	21.86	20.96	23.36
W251339075501601	GIRDHARPURA	KOTA	LADPURA	5.41	3.51	4.33	3.81
W251557075545501	GUDLI	KOTA	LADPURA	6.09	4.82	1.09	0.67
W252615076240001	KESHAVPURA	KOTA	ITAWA	3.96	1.86	2.25	2.18
W254041076283001	KHATOLI	KOTA	ITAWA	13.60	10.95	12.80	13.20
W250716075575601	KHERARASULPUR	KOTA	LADPURA	8.21	3.63	6.23	6.51
W251100075510001	KOTA1	KOTA	LADPURA	4.63	4.31	3.66	3.87
H245600075560001	MANDANA	KOTA	LADPURA	2.92	0.37	2.37	3.08
W252209076094501	MANDAVRA	KOTA	SULTANPUR	9.17	6.88	1.72	8.60

WELL No.	SITE NAME	DISTRICT	BLOCK_NAME	Depth to Water Level			
				May-14	Aug-14	Nov-14	Jan-15
W250600076120001	RAJGARH1	KOTA	SULTANPUR	12.10	9.65	10.40	23.01
W252200076180001	RATTANPURA	KOTA	SULTANPUR	17.70	17.35	17.32	17.60
W251723076105201	SULTANPUR	KOTA	SULTANPUR	10.66	2.05	2.05	-
W271400073460001	AMARPURA1	NAGAUR	NAGAUR	-	26.16	-	-
	ARNIALA	NAGAUR		46.12	-	-	-
W273700074260001	BANKALIA	NAGAUR	LADNU	26.44	23.02	23.02	23.02
W271620074201501	BANTHRI	NAGAUR	DIDWANA	50.00	50.00	50.00	-
W271800073370001	BARANI	NAGAUR	NAGAUR	59.17	58.27	58.67	58.70
	BHOORIYASAM	NAGAUR		26.08	26.08	26.08	-
	CHAKDHANI	NAGAUR		37.69	37.21	37.24	37.29
W270915074204501	CHHOTI KHATU	NAGAUR	DIDWANA	26.35	20.00	20.80	20.78
W272600073330001	CHILO	NAGAUR	NAGAUR	33.30	32.48	32.52	32.55
	CHOSLI	NAGAUR		44.02	44.72	44.22	44.52
W272215074390001	DAULATPURA	NAGAUR	DIDWANA	29.93	30.78	30.69	30.73
W270800073220001	DEU	NAGAUR	MUNDWA	54.53	54.08	54.08	54.42
W272400074330001	DIDWANA1	NAGAUR	DIDWANA	13.23	13.36	12.58	12.62
W271349073290001	GURHA	NAGAUR	NAGAUR	69.61	-	-	-
	HARSOR	NAGAUR		10.04	12.44	12.44	-
	INOKALI	NAGAUR		40.80	-	-	-
	KALRU	NAGAUR		12.14	12.14	12.14	-
W271500074170001	KATOTI	NAGAUR	JAYAL	52.63	52.63	52.63	-
W271000074240001	KERAP	NAGAUR	DIDWANA	-	43.28	43.28	-
W272045074290002	Kolia	NAGAUR	DIDWANA	16.00	17.00	17.37	17.40
W265800073580001	KUCHERA	NAGAUR	MUNDWA	51.70	-	-	-
W265800073580001	Kuchera	NAGAUR	MUNDWA	-	49.78	49.90	-
	Merta City	NAGAUR		-	-	19.30	18.23
	MERTA CITY	NAGAUR		18.65	18.50	-	18.23
W270400073493001	MUNDWA1	NAGAUR	MUNDWA	-	71.24	71.24	-
W265430073230001	NAGARI	NAGAUR	MUNDWA	-	57.63	57.63	-
W271200073450001	NAGAUR	NAGAUR	NAGAUR	35.04	-	-	-
W271100073450001	Nagaur1	NAGAUR	NAGAUR	-	29.35	29.83	-
W272400074353001	PADMANIWAS	NAGAUR	DIDWANA	4.57	4.67	4.68	4.67
	PADUKALAN	NAGAUR		42.86	42.86	42.86	-
W270630073131501	PANCHORI	NAGAUR	MUNDWA	-	22.03	-	-
	PIPLAD	NAGAUR		-	23.00	23.00	-
W272200074310001	RAGHUNATHPURA	NAGAUR	DIDWANA	31.61	24.32	25.66	26.16
	RIAN	NAGAUR		41.07	34.50	37.22	39.32
	SANGWA KI DHANI	NAGAUR		55.07	55.07	55.07	-
W273100074310001	SANWARD	NAGAUR	LADNU	25.61	25.79	27.09	27.47
W271815074304501	SINGHANA1	NAGAUR	DIDWANA	32.45	27.67	27.77	27.87
	Balwana	PALI		9.26	5.65	5.53	8.81
W264900076030001	BASSI1	PALI	BASSI	12.85	3.89	4.05	3.90
	BIRAMI	PALI		11.35	17.30	19.10	-
	GUNDOJ	PALI		6.90	3.60	5.20	7.55
	HAJIWAS	PALI		7.47	11.05	7.82	7.83
	JAITPURA	PALI		9.97	5.62	6.85	5.22
	KANAWAS	PALI		14.10	12.60	12.57	12.62
	KARIASODA	PALI		19.98	15.95	15.97	16.00
	KIRWA	PALI		15.75	6.30	10.70	-
	MARWAR	PALI		28.11	-	-	-
	NIMAJ	PALI		34.58	34.80	35.50	35.56
	NIMBORNATH	PALI		3.54	2.09	2.63	3.14
	PALI1	PALI		10.09	4.29	3.03	5.89
	PERWA	PALI		7.25	7.00	6.95	9.75
	PRITHIPURA	PALI		24.43	25.19	21.52	21.55
	RADAWAS	PALI		16.47	12.64	12.84	14.52
	RAIPUR-I	PALI		4.75	2.00	4.10	4.10
	RAIPUR-II	PALI		11.18	-	9.65	9.63
	ROHAT1	PALI		1.68	0.48	0.06	1.33
	SANDERAO	PALI		13.60	9.40	10.38	-
	SARDARSAMAD	PALI		6.55	6.05	6.08	6.06
	SUMERPUR1	PALI		15.55	8.58	6.95	10.80
	VAED	PALI		10.94	5.43	7.78	9.03
W235252074484902	Arnod	PRATAPGARH	ARNOD	13.65	7.24	-	8.24
W241054074421001	Barawarda	PRATAPGARH	PRATAPGARH	14.74	0.78	2.22	1.90
H242400074240001	Choti Sadri	PRATAPGARH	CHOTI SADRI	14.84	4.92	11.40	5.82
W240545074273001	Dhariwad	PRATAPGARH	DHARIAWAD	7.60	-	7.45	-
W241600074403001	Dholapani	PRATAPGARH	CHOTI SADRI	6.40	1.53	1.75	1.96
W240521074293001	Jawahar Nagar	PRATAPGARH	DHARIAWAD	6.00	1.40	5.70	2.55
W234433074405901	JHATIA BARI	PRATAPGARH	PEEPALKHOONT	3.91	-	4.31	4.04
W235300074400001	Lamba Dabra	PRATAPGARH	PEEPALKHOONT	5.55	2.15	2.03	2.90
W234630074513001	Mohada	PRATAPGARH	ARNOD	-	5.09	3.90	-
W240200074533001	Mokhampura	PRATAPGARH	PRATAPGARH	14.60	5.90	5.30	6.55
W235736074252601	Mungna	PRATAPGARH	DHARIAWAD	12.11	4.96	8.21	6.35
W233700074510002	Ninor	PRATAPGARH	ARNOD	5.10	1.81	1.35	4.46
W233700074510002	Ninor	PRATAPGARH	ARNOD	9.05	4.89	3.28	4.46
W234745074340001	Peepalkhoont	PRATAPGARH	PEEPALKHOONT	13.22	9.72	11.09	12.67
W241150074464001	Pratapgarh	PRATAPGARH	PRATAPGARH	9.25	4.42	6.90	-
W240430074343001	Punga Talab	PRATAPGARH	PRATAPGARH	12.78	-	4.59	4.35
W240200074583901	RAJPURIA	PRATAPGARH	PRATAPGARH	3.78	-	3.38	5.73

WELL No.	SITE NAME	DISTRICT	BLOCK_NAME	Depth to Water Level			
				May-14	Aug-14	Nov-14	Jan-15
W235645074403701	Suhagpura	PRATAPGARH	PRATAPGARH	13.05	1.40	1.20	9.55
	Bagar1	RAJSAMAND		7.90	4.01	-	11.50
W253040073514501	BAGHANA	RAJSAMAND	BHIM	13.96	8.46	7.66	9.81
	BALI1	RAJSAMAND		10.00	7.02	4.04	9.75
W254000074010001	BARAR	RAJSAMAND	BHIM	14.18	5.08	5.28	11.80
W254400074050001	BHIM1	RAJSAMAND	BHIM	10.70	6.35	-	9.05
W251520073560001	CHATTARPUR	RAJSAMAND	AMET	13.33	7.64	6.30	-
W252500073490001	DEWAIR	RAJSAMAND	DEOGARH	11.10	4.25	2.80	6.45
W250500073340001	DOWAS	RAJSAMAND	KUMBHALGARH	5.32	2.92	9.87	2.12
W245600074060001	GAVERDI	RAJSAMAND	RAILMAGRA	10.55	5.86	8.10	8.05
W254700074110001	GHATO1	RAJSAMAND	BHIM	15.60	2.10	-	6.60
W251400073530001	GUGLI	RAJSAMAND	AMET	13.97	12.27	2.89	20.47
W251400073393001	JHILWARA	RAJSAMAND	KUMBHALGARH	12.09	13.14	12.44	9.94
W250600073360001	KALWANA	RAJSAMAND	KUMBHALGARH	12.95	4.40	4.60	9.10
W245800073330001	KANCHOLI	RAJSAMAND	KUMBHALGARH	10.55	7.80	3.95	5.28
W250600073364801	KELWARA	RAJSAMAND	KUMBHALGARH	7.29	4.49	2.79	3.69
W245500073440001	KHAMNOR1	RAJSAMAND	KHAMNOR	16.55	11.20	8.85	14.45
W250700074050001	KHANDEL1	RAJSAMAND	RAILMAGRA	-	16.56	14.64	16.24
W251905073483001	KITELA	RAJSAMAND	KUMBHALGARH	11.21	4.61	5.66	7.16
W251435073470001	MANSINGH KAGURA	RAJSAMAND	KUMBHALGARH	7.96	2.61	2.61	2.36
W230900074330001	MOKAMPURA	RAJSAMAND	KUSHALGARH	14.87	3.59	2.71	3.50
W251200073520001	NADIAWALA	RAJSAMAND	AMET	21.19	18.44	16.69	15.24
W250200074010001	ODA1	RAJSAMAND	RAILMAGRA	4.53	2.34	1.33	2.33
W245400073490001	ODAN	RAJSAMAND	KHAMNOR	6.99	2.99	2.59	3.50
W250200074070001	RAILMAGRA1	RAJSAMAND	RAILMAGRA	20.12	20.12	-	-
H240400073040001	RAJSAMAND	RAJSAMAND	SARARA	11.87	7.09	8.92	5.02
W245100073400001	SANGET	RAJSAMAND	KHAMNOR	19.29	17.74	10.19	12.94
	Sheron Ka Bala	RAJSAMAND		8.42	1.89	2.09	3.14
W253600073560001	THIKARWAS	RAJSAMAND	BHIM	9.96	6.76	2.86	9.36
W263300076334001	BAMNAWAS	SAWAI MADHOPUR	BAMANWAS	7.62	3.62	3.02	3.47
W261400076230001	BHADOTI	SAWAI MADHOPUR	BONLI	10.16	5.36	8.11	8.28
W255600076260001	BODAL	SAWAI MADHOPUR	SAWAI MADHOPUR	6.95	1.74	5.69	5.50
W262115076151501	BONALI	SAWAI MADHOPUR	BONLI	5.96	4.06	6.24	5.77
W255500076280001	CHANN	SAWAI MADHOPUR	KHANDAR	10.82	10.45	13.08	11.90
W262900076440001	GANGAPUR2	SAWAI MADHOPUR	GANGAPUR	2.75	3.20	3.05	3.40
W255600076263001	HINDWAR	SAWAI MADHOPUR	SAWAI MADHOPUR	7.33	4.58	5.85	9.45
W260120076354001	KHANDAR1	SAWAI MADHOPUR	KHANDAR	10.46	7.56	8.83	11.56
W255800076160001	KUSHTALA	SAWAI MADHOPUR	SAWAI MADHOPUR	-	4.34	8.26	3.01
W261820076225001	MALARNACHOR	SAWAI MADHOPUR	BONLI	5.50	0.89	0.99	1.07
W262240076325501	MEENAPARA	SAWAI MADHOPUR	BAMANWAS	12.75	6.07	14.67	15.02
W261945076293001	MORAL TIWARA	SAWAI MADHOPUR	BAMANWAS	8.25	7.60	6.20	10.15
W255500076312001	PHARIYA	SAWAI MADHOPUR	KHANDAR	11.94	7.29	10.19	11.79
W263015076331001	PIPLAI	SAWAI MADHOPUR	BAMANWAS	8.39	8.04	7.74	8.49
W260100076273001	RANTHAMBOR	SAWAI MADHOPUR	SAWAI MADHOPUR	7.55	6.85	6.33	6.70
W263130076510001	SEWA	SAWAI MADHOPUR	GANGAPUR	7.58	5.93	5.23	5.88
W260515076214001	SURWAL	SAWAI MADHOPUR	SAWAI MADHOPUR	-	-	4.82	6.67
W262200076234001	TOND	SAWAI MADHOPUR	BONLI	5.84	3.04	1.44	2.60
W273001074562902	Anokh_Pz	SIKAR	DHOD	62.05	62.70	66.05	65.55
	BAI2	SIKAR		16.54	17.36	16.54	17.02
W275400075080001	BALARAN	SIKAR	LACHHAMANGARH	-	40.35	-	-
W274454075525401	Barala	SIKAR	NEEM KA THANA	4.60	1.80	-	-
W274730075080001	Bau	SIKAR	LACHHAMANGARH	67.30	68.00	-	-
W275328074544601	Bibipur	SIKAR	FATEHPUR	-	- 0.60	43.70	44.00
W275444074535701	Bikamsara	SIKAR	FATEHPUR	-	44.10	39.30	39.82
W273120074544001	BINJYASI	SIKAR	DHOD	57.33	58.85	55.83	-
W275330075000001	CHINCHAS	SIKAR	LACHHAMANGARH	48.72	49.23	48.13	50.65
W274715074583101	Datunjala	SIKAR	LACHHAMANGARH	52.55	52.85	52.10	53.32
W280300074561501	Dewas	SIKAR	FATEHPUR	-	-	35.88	36.94
	Dhadhliawas	SIKAR		44.80	45.58	43.63	45.22
W280529074514901	Dhanadhan	SIKAR	FATEHPUR	-	-	34.50	36.80
W273200075000001	DHOD	SIKAR	DHOD	69.26	70.80	68.99	-
W275900074583001	FATEHPUR	SIKAR	FATEHPUR	40.67	41.58	40.17	41.37
W274340074502301	Garoda	SIKAR	LACHHAMANGARH	41.73	40.00	41.26	42.60
W273945074532701	GHANA	SIKAR	LACHHAMANGARH	58.94	61.00	58.30	60.40
W273445075110001	GOKALPURA	SIKAR	PIPRALI	56.44	59.55	56.40	-
	Goriya	SIKAR		25.70	26.45	25.60	25.58
W274800074520001	JAJOD	SIKAR	LACHHAMANGARH	51.29	52.50	56.13	52.08
	KARANPURA	SIKAR		68.05	68.70	67.78	68.10
	Khatu Shyamji	SIKAR		24.20	23.55	24.70	24.85
	Lampura	SIKAR		53.67	52.25	-	-
	Mandha	SIKAR		43.80	45.70	48.50	46.09
	Mehroli	SIKAR		49.30	-	-	-
W273700075060002	Nani	SIKAR	PIPRALI	56.90	57.77	57.00	57.36
	Nathusar	SIKAR		31.50	32.08	31.10	31.95
W273700074461201	NECHWA	SIKAR	LACHHAMANGARH	41.70	42.70	35.40	35.78
	PALSANA	SIKAR		42.85	44.50	46.59	46.54
W274800075590001	PATAN	SIKAR	NEEM KA THANA	16.12	8.82	9.42	11.14
W273828075150001	PIPRALI	SIKAR	PIPRALI	60.96	60.85	-	59.58
W280424074492201	Ramasar	SIKAR	FATEHPUR	-	-	35.30	35.88
W274300075051501	RASHIDPURA	SIKAR	DHOD	73.53	74.74	84.00	79.32

WELL No.	SITE NAME	DISTRICT	BLOCK_NAME	Depth to Water Level			
				May-14	Aug-14	Nov-14	Jan-15
W280300074520002	ROHALSOBHSAR	SIKAR	FATEHPUR	36.03	37.07	36.45	48.35
W275021074533202	Roru Badi_I	SIKAR	FATEHPUR	-	-	43.70	44.06
W275021074533201	Roru Badi_II	SIKAR	FATEHPUR	-	-	43.40	43.52
W273900075080001	Sabalpura	SIKAR	PIPRALI	65.00	65.70	66.00	71.66
W275152074514101	Sekhiwas	SIKAR	FATEHPUR	-	-	43.10	43.88
W273615074570001	SEWAD BARI	SIKAR	DHOD	64.03	-	-	-
	AMBESHWARJI	SIROHI		4.94	0.98	1.80	3.53
	BARLOT	SIROHI		21.07	14.04	19.04	-
W243015072423001	DHAMSARA	SIROHI	ABU ROAD	2.67	-	-	-
W244030072403001	GULABGANJ	SIROHI	REODAR	13.54	11.08	7.96	11.99
W244500073013001	Jhadoli	SIROHI	PINDWARA	-	-	6.30	-
W243805072293001	JIRAWAL	SIROHI	REODAR	24.11	13.62	11.73	15.36
	KALANDRI	SIROHI		14.68	14.86	14.08	10.98
W242700072450001	Manpur2	SIROHI	ABU ROAD	-	7.49	7.87	10.07
W243750072420501	MOUNT ABU	SIROHI	ABU ROAD	-	4.43	3.39	3.94
W242900072410001	Mungthalla	SIROHI	ABU ROAD	-	6.20	6.10	7.35
W244800072404501	PALRI	SIROHI	SIROHI	17.07	4.35	6.35	13.07
	Palri1	SIROHI		-	36.80	-	-
	Posaliya	SIROHI		-	33.50	32.60	32.37
W243800072320001	Reodar	SIROHI	REODAR	-	-	21.60	20.05
W243930072561001	SARUPGANJ	SIROHI	PINDWARA	18.68	12.06	18.06	-
H245300073530001	SIROHI	SIROHI	MAVLI	13.71	15.12	13.72	17.11
W242500072463501	SIYANA	SIROHI	ABU ROAD	8.58	6.86	6.57	7.48
W255800076050001	ALIGARH	TONK	UNIARA	15.60	8.04	13.19	15.29
W260330075483001	ARNIYALMAL	TONK	TONK	3.12	1.95	3.10	2.05
W255300075340001	BANTHOLI	TONK	DEOLI	8.40	6.19	7.50	7.98
W261418075111501	DEWAL1	TONK	MALPURA	6.80	1.60	-	2.95
W255830075575801	DIKOLIYA	TONK	UNIARA	5.63	1.51	1.99	2.39
W260330075523001	Ghans	TONK	TONK	-	1.90	3.85	-
W261100075343001	HAMIRPUR	TONK	TODARAISINGH	4.50	3.68	6.73	4.63
W254900076135801	JAINAGAR	TONK	UNIARA	-	8.24	9.75	-
W262330075291501	JAISINGHPUR	TONK	MALPURA	3.57	1.38	1.94	2.35
W255955075410001	MAHUVA	TONK	TONK	5.39	3.74	4.01	4.09
W261700075230001	MALPURA1	TONK	MALPURA	2.60	1.05	1.93	2.87
W260639075433001	MANDIAWAS	TONK	TONK	15.69	15.80	16.34	-
W260227075532001	NAYAGAON	TONK	UNIARA	3.31	1.26	2.91	-
W262200075560001	NIWAI1	TONK	NIWAI	31.45	23.32	25.80	23.85
W255150075165001	RAMTHALA	TONK	DEOLI	-	0.91	-	1.41
W260530075500001	Rustamganj	TONK	TONK	4.70	-	2.50	-
W261430075510001	SOHELA	TONK	TONK	7.90	2.60	3.92	2.50
W255327076104501	Sop1	TONK	UNIARA	14.29	1.58	5.85	7.65
W260050075292001	TODARAISINGH1	TONK	TODARAISINGH	2.05	0.99	1.24	1.50
	AMALIA	UDAIPUR		9.05	7.20	3.35	6.65
W241505074250001	ARAMPURA	UDAIPUR	LASADIYA	5.55	0.20	-	1.90
H265000076500001	BASSI	UDAIPUR	BASSI	-	0.10	1.10	1.00
W243700074010001	BHATEWAR	UDAIPUR	BHINDER	9.49	6.64	1.84	7.04
W243430074100001	BHINDER	UDAIPUR	BHINDER	12.90	14.73	13.34	14.05
W243430074100002	Bhinder_Pz	UDAIPUR	BHINDER	11.95	6.80	8.39	10.77
W244300073550001	BHOYANA	UDAIPUR	MAVLI	12.95	7.68	4.10	8.35
W244200073450001	Chirawa	UDAIPUR	MAVLI	11.25	-	-	-
W265700071220001	CHIRWA	UDAIPUR	JAISALMER	-	6.39	5.25	6.95
W241000074030001	DEOLA	UDAIPUR	SALUMBER	4.65	1.21	-	2.49
W240500074020001	Devgaon1	UDAIPUR	SALUMBER	6.95	2.35	0.55	2.00
W241300073520001	DINGRI	UDAIPUR	SARARA	5.93	0.88	1.38	1.05
W244500073500001	GADOLI	UDAIPUR	MAVLI	9.25	5.03	3.68	5.88
W242013074005801	GUREL	UDAIPUR	GIRWA	15.49	0.95	1.79	1.89
W243300073550001	HARIYAB	UDAIPUR	BHINDER	19.48	1.83	4.83	2.24
W240100073580001	INTALIKHARA	UDAIPUR	SALUMBER	5.80	2.27	2.90	2.67
W244800073280001	JASWANTGARH	UDAIPUR	GOGUNDA	14.65	11.20	6.00	10.05
W240005073453001	KALAYANPURA	UDAIPUR	KHERWARA	5.39	3.54	3.84	4.04
W242600074160001	KANOD	UDAIPUR	BHINDER	10.05	8.50	5.40	5.55
W243440073463501	KANPUR	UDAIPUR	GIRWA	9.71	2.16	1.66	6.31
W245000073320001	KATHAR1	UDAIPUR	GOGUNDA	4.25	2.75	1.50	2.50
W241742074043001	KHAIRKA	UDAIPUR	SALUMBER	-	5.20	1.50	-
W243320074120301	KHERODA	UDAIPUR	BHINDER	22.85	20.70	18.80	25.35
W235923073354601	KHERWARA	UDAIPUR	KHERWARA	7.86	2.39	2.26	3.81
W240419074040501	KHOLRI	UDAIPUR	SALUMBER	11.95	6.51	6.90	7.47
W240200074273001	KHUNTA	UDAIPUR	LASADIYA	6.25	2.15	-	-
	Koliyari1	UDAIPUR		3.35	6.11	1.05	6.80
W242654073593001	KURABAR	UDAIPUR	GIRWA	15.52	10.61	10.37	12.38
	LUNIYARA	UDAIPUR		10.29	8.54	7.34	8.64
	MANPURA	UDAIPUR		9.28	4.85	6.78	6.36
W244700073590001	MAVLI1	UDAIPUR	MAVLI	18.05	15.65	9.40	16.80
	PADAWALI	UDAIPUR		6.95	2.26	6.45	4.40
W241620073410001	PADUNA	UDAIPUR	GIRWA	6.37	2.35	1.62	3.42
	PAI	UDAIPUR		14.85	8.65	4.55	14.35
W241136073420001	PARSHAD	UDAIPUR	SARARA	6.80	2.80	3.40	5.65
W245130073254501	PUNAWALI	UDAIPUR	GOGUNDA	13.22	6.02	2.22	4.92
W243730073410001	Ramgiri(badagaon)	UDAIPUR	BADGAON	6.40	4.30	1.55	5.15
W240730074024801	SALUMBER1	UDAIPUR	SALUMBER	10.73	7.06	6.48	7.49

WELL No.	SITE NAME	DISTRICT	BLOCK_NAME	Depth to Water Level			
				May-14	Aug-14	Nov-14	Jan-15
W240900073500001	SARADA	UDAIPUR	SARARA	6.65	8.90	7.15	8.50
W243308073425001	SAVINA	UDAIPUR	GIRWA	4.15	2.95	3.92	3.66
W240500073510001	SEMRI	UDAIPUR	SARARA	3.35	1.90	2.40	2.25
W243348073392501	Sisarma	UDAIPUR	GIRWA	-	9.40	5.13	11.25
W241015073203501	SOM1	UDAIPUR	JHAROL	11.96	9.86	6.81	8.36
W244700073280001	SRIMALI KI KARIA	UDAIPUR	GOGUNDA	8.00	5.51	0.15	6.30
W242945073364501	UNDRI	UDAIPUR	GIRWA	2.25	1.80	4.45	2.80

Annexure - II

DECADAL AVERAGE WATER LEVEL AND FLUCTUATION OF GROUNDWATER REGIME MONITORING STATIONS OF RAJASTHAN									
LOCATION	DISTRICT	Decadal Average Water Level in mbgl				Fluctuation (m) from Decadal Mean			
		MAY 04_13	AUG 04_13	NOV 04_13	JAN 05_14	May	Aug	Nov	Jan
AJAGARA	AJMER	6.49	4.10	4.27	3.84	2.67	2.13	1.58	1.02
ARIAN	AJMER	6.67	8.20	5.87	5.92	3.80	2.38	4.54	4.10
BAGLIAS	AJMER	10.03	6.46	7.24	8.32	4.33	3.16	4.39	3.67
BANDANWARA	AJMER	13.68	9.39	9.30	-	-4.22	7.39	-8.61	0.00
Barora	AJMER	7.27	6.21	5.62	6.20	1.45	-1.58	4.28	5.01
BOGLA	AJMER	8.18	6.35	6.10	6.22	0.82	2.63	2.91	2.10
DASUK	AJMER	11.34	9.30	8.59	8.06	2.29	1.25	0.26	-0.92
Goelo	AJMER	10.28	7.64	7.32	8.51	4.96	5.37	3.75	4.24
JAWAJA1	AJMER	12.19	7.39	8.59	9.64	3.69	3.89	5.39	3.34
JHOPADIYAN	AJMER	14.56	9.26	7.44	8.25	6.01	-3.14	-1.06	-3.00
KALYANPURA1	AJMER	10.29	9.71	8.55	9.37	4.83	4.55	5.07	4.52
KANPUR1	AJMER	9.60	8.02	8.01	9.48	2.00	5.82	6.15	6.98
KEKRI1	AJMER	4.06	1.66	-	-	3.22	0.92	0.00	0.00
LAMANA	AJMER	13.46	12.51	12.74	12.84	4.43	1.22	3.19	3.20
LUDIYANA	AJMER	13.40	11.93	11.21	11.44	2.47	1.66	0.98	0.11
MAIDAYABADAYA	AJMER	6.18	5.15	4.10	5.08	2.31	4.78	2.48	0.41
MASUDA1	AJMER	13.64	10.17	7.87	10.12	1.58	7.40	5.28	5.73
Morajhar	AJMER	10.04	7.93	7.09	7.92	-0.04	-0.37	-1.43	-1.36
NARBADKHERA	AJMER	14.20	13.99	11.94	14.94	0.60	10.59	6.09	8.12
NASIRABAD	AJMER	6.13	3.34	2.98	2.85	-10.37	2.94	2.45	2.30
PAKHRIAWAS	AJMER	9.16	13.09	10.05	12.38	-2.44	4.71	4.30	3.93
Ramgarh2	AJMER	11.45	22.13	47.16	7.73	5.85	13.53	0.07	-6.42
RAMSAR2	AJMER	9.74	6.74	6.71	7.19	3.64	2.44	1.43	0.61
SANPLA	AJMER	8.35	6.08	6.41	6.47	-0.95	3.38	3.07	2.47
SARWAD	AJMER	4.86	4.55	3.45	4.08	2.06	2.95	0.45	1.06
TABIJI	AJMER	12.89	10.27	8.26	9.85	-9.18	5.51	4.56	6.28
TARAGARH	AJMER	7.23	3.68	3.37	4.20	1.19	2.84	3.16	2.80
Tiloniya	AJMER	23.57	16.72	-	20.66	0.62	2.35	0.00	-0.14
Alanpur	ALWAR	23.26	27.00	27.03	23.95	-6.54	-1.80	-2.11	-6.71
BAGAR	ALWAR	10.94	9.61	9.54	-	-0.06	-0.20	-0.27	0.00
BANSUR	ALWAR	20.72	19.81	20.16	20.92	-5.18	-6.49	-5.00	-4.31
Baran1	ALWAR	13.23	12.66	12.67	12.27	-0.32	-0.84	-0.08	-0.50
BEHROR	ALWAR	59.65	57.69	56.83	58.61	-10.55	-12.01	-14.17	-13.14
Bhituda	ALWAR	56.16	69.60	65.51	64.88	-14.70	-0.52	-6.79	-8.36
BOLNI	ALWAR	21.05	20.77	20.85	21.78	-3.15	-2.03	-2.65	-1.74
CHATTARPURA	ALWAR	27.88	25.73	27.25	27.66	-6.07	-6.17	-7.65	-7.19
DALALPUR	ALWAR	26.34	25.99	26.64	27.01	-16.26	-14.51	-15.15	-15.04
Doroli	ALWAR	50.50	49.06	53.00	52.04	-1.85	-2.64	2.15	-0.06
GADI SWAIRAM	ALWAR	24.48	22.43	18.15	17.33	17.25	14.48	-2.60	-5.87
GANGWALI DHANI	ALWAR	36.68	35.62	36.09	36.42	-11.42	-8.98	-12.69	-12.53
HARSAULI	ALWAR	17.08	16.69	17.02	18.64	-7.92	-12.21	-9.78	-9.31
HASANPURA	ALWAR	23.27	24.06	23.24	23.59	-4.42	-3.33	-3.90	-3.80
Holawas	ALWAR	22.25	20.95	21.54	22.01	-5.59	-5.55	-7.64	-8.05
JHALADALA	ALWAR	32.91	33.37	32.14	32.75	-0.54	0.12	-1.06	-0.48
JOSAI	ALWAR	23.81	22.83	22.75	23.23	-8.19	-7.82	-10.68	-10.57
KANHAWAS	ALWAR	44.70	42.98	44.31	45.90	-13.24	-16.53	-14.65	-13.09
KISHANGARH BAS1	ALWAR	28.28	26.89	27.45	28.11	-14.04	-11.43	-10.27	-10.01
KOTKASIM1	ALWAR	19.46	18.21	17.47	-	5.22	-2.99	-3.73	0.00
LACHMANGARH	ALWAR	7.67	6.38	6.24	6.89	1.46	-0.05	-0.94	-0.69
Majri Khurd	ALWAR	25.73	25.80	25.50	25.57	-1.52	-1.50	-1.20	-1.18
Neemrana	ALWAR	44.20	43.22	44.97	47.17	-10.90	-11.08	-10.47	-10.13
NIMLI	ALWAR	8.36	8.18	9.06	8.96	-7.19	-5.77	-4.64	-4.97
Nogawa	ALWAR	15.62	15.82	15.07	13.89	-4.28	-2.02	-4.58	-6.66
PUR1	ALWAR	14.89	14.08	14.87	15.09	-3.31	-2.89	-3.43	-3.48
RAMGARH1	ALWAR	15.45	12.32	14.92	16.26	-6.70	0.15	-7.50	-6.64
RAMGARH1	ALWAR	15.45	15.63	14.92	16.26	-6.70	-6.32	-7.50	-6.64
SODAWAS1	ALWAR	18.64	18.01	18.68	20.28	-5.48	-5.92	-7.07	-5.55
Sundana	ALWAR	-	17.82	-	-	0.00	0.25	0.00	0.00
TAPUKARA	ALWAR	20.76	20.62	20.52	21.33	-3.23	-4.64	-3.59	-2.88
TEHLA	ALWAR	8.03	8.55	5.56	5.26	3.73	3.35	3.46	2.81
TIJARA1	ALWAR	23.21	23.04	23.15	23.64	-6.46	-6.23	-4.72	-4.88
TORIKABAS	ALWAR	13.74	12.02	11.83	13.48	-0.07	-1.64	1.12	1.97
ARTHUNA	BANSWARA	6.72	2.39	4.31	4.27	-2.13	-3.96	-2.74	-1.81
Arthuna1	BANSWARA	7.78	2.26	4.84	4.51	-0.82	-4.55	-1.62	-1.94
Bagidora	BANSWARA	5.25	2.06	2.73	4.24	-0.78	0.75	1.70	-2.54
Banswara1	BANSWARA	7.42	4.61	5.59	5.94	-0.88	-0.64	-0.07	0.46
BARODIA	BANSWARA	3.41	1.39	2.26	2.96	-3.89	-2.24	0.76	1.51
BHUNGRA	BANSWARA	6.93	4.99	5.50	5.74	-1.62	0.52	-0.99	1.29
Bhura Kua	BANSWARA	6.36	1.79	3.00	3.60	0.96	-0.89	0.70	0.75
Borigoan	BANSWARA	6.48	2.58	3.42	3.03	1.08	-1.48	-5.08	-1.72
Chand Ji Ka Guda	BANSWARA	6.56	0.94	1.63	1.66	1.58	-0.36	1.42	0.28
CHANDUJIKAGUDA	BANSWARA	-	1.30	2.02	1.26	0.00	-1.14	-0.27	0.57
Chhajwa	BANSWARA	12.90	3.18	8.18	9.34	6.10	-1.09	2.48	4.99
Chhoti Sarwan	BANSWARA	10.41	3.21	4.95	9.37	0.51	0.26	2.25	6.26
Chichi	BANSWARA	2.20	0.64	1.08	0.95	0.50	0.09	-0.87	0.50
CHOTA DUNGRA	BANSWARA	6.41	2.89	3.38	4.44	-1.22	-1.17	-2.50	-0.34
DUNGARIA	BANSWARA	6.66	3.11	4.61	4.35	-5.54	-3.89	-5.44	-3.16

LOCATION	DISTRICT	Decadal Average Water Level in mbgl				Fluctuation (m) from Decadal Mean			
		MAY 04_13	AUG 04_13	NOV 04_13	JAN 05_14	May	Aug	Nov	Jan
GANORA	BANSWARA	-	0.22	1.35	0.13	0.00	-3.52	-2.30	-3.76
GARHI PARTAPURA	BANSWARA	12.26	5.39	-	-	-4.39	-11.26	0.00	0.00
Khera Dahar	BANSWARA	8.20	1.96	3.65	5.07	-2.36	-3.66	0.85	-1.58
Kotra1	BANSWARA	12.09	4.29	6.42	8.16	1.69	-4.66	-0.95	0.01
KUSALGARH	BANSWARA	7.23	0.90	4.29	5.24	1.73	-1.22	0.84	1.59
Kusalgarh	BANSWARA	7.23	2.53	4.29	5.24	1.73	-0.88	0.84	1.59
Mokampura1	BANSWARA	6.03	1.49	4.23	4.91	1.23	-0.51	0.93	2.56
NARWALI	BANSWARA	6.47	1.84	2.70	2.92	1.42	0.19	0.40	0.57
RAKHO	BANSWARA	5.23	1.49	2.48	3.26	-0.11	-0.45	0.99	0.92
Sadri	BANSWARA	6.05	0.84	1.13	1.73	2.65	0.49	-2.83	-3.42
SENWASA	BANSWARA	7.90	6.10	7.69	-	2.28	4.10	6.07	0.00
Sera Pada Sandoh	BANSWARA	3.25	2.04	3.50	2.55	-0.07	0.42	2.20	1.15
TALWARA1	BANSWARA	2.43	0.41	1.51	1.01	-0.52	-0.19	0.30	0.06
WAJWANA	BANSWARA	8.16	3.36	4.38	5.23	-0.39	-2.77	-2.07	-2.87
Wajwana	BANSWARA	8.16	2.59	4.38	5.23	-0.39	-4.72	-2.07	-2.87
ATRU1	BARAN	8.72	0.65	4.37	5.24	2.92	-0.10	4.10	1.63
BAMLA	BARAN	6.39	4.44	5.12	7.32	-1.61	1.54	2.77	2.66
BHANWARGARH	BARAN	4.02	0.64	2.06	1.78	1.29	0.10	0.20	0.74
BOTH	BARAN	9.98	8.31	7.26	8.57	1.56	3.17	4.29	0.85
CHABRA	BARAN	13.02	9.30	11.34	13.08	-2.13	0.71	1.40	1.56
CHHIPA BAROD1	BARAN	-	6.37	9.59	10.03	0.00	3.19	1.16	2.21
HARNAUDA	BARAN	7.34	3.15	4.89	6.71	-1.73	0.23	-0.98	-1.45
Kasba Thana	BARAN	7.61	4.17	5.35	6.01	2.26	-0.27	-0.47	-0.15
KELWARA1	BARAN	3.19	0.58	2.34	3.29	0.14	-0.13	-0.02	0.44
MANGROL	BARAN	6.29	3.47	4.34	4.62	0.76	0.34	0.71	0.84
PAJAL TORI	BARAN	9.09	2.87	4.73	7.00	-0.27	1.22	1.63	1.45
SARTHAL	BARAN	4.75	1.53	3.14	4.02	0.09	-0.07	0.92	1.22
SHAHABAD1	BARAN	6.03	2.61	3.75	5.53	1.87	0.58	1.00	2.00
URPURIA	BARAN	5.55	2.29	3.14	4.86	0.66	-0.07	0.14	1.71
ADEL	BARMER	24.59	24.11	24.54	-	-1.51	0.21	-1.58	0.00
ARNIYALI	BARMER	23.37	25.29	-	-	-13.58	-8.26	0.00	0.00
BACHHBAR	BARMER	20.38	20.43	21.27	19.49	-1.37	0.10	1.07	-2.71
BAITU1	BARMER	-	40.14	40.14	40.83	0.00	9.00	8.70	8.17
BALEWA	BARMER	21.69	20.41	20.77	20.55	3.19	3.41	4.02	1.40
BARMER1	BARMER	29.66	29.14	-	26.84	8.41	14.34	0.00	7.57
Bhadka1	BARMER	-	78.95	83.00	63.02	0.00	-5.03	-1.00	-21.88
BHAKASAR	BARMER	-	5.52	-	5.54	0.00	0.51	0.00	0.52
BISALA	BARMER	16.26	16.25	16.01	15.60	1.81	3.95	3.81	1.65
BISUKALAN	BARMER	33.94	33.58	34.38	34.27	-0.56	-0.67	0.20	-0.03
CHAWA	BARMER	-	40.71	39.77	42.09	0.00	0.25	-10.37	1.86
Chohtan	BARMER	49.92	47.66	46.64	-	3.72	0.36	4.14	0.00
CHOTA ITADA	BARMER	-	59.57	61.28	59.16	0.00	0.07	2.38	-1.15
DERASAR	BARMER	10.89	8.50	9.90	8.86	-3.46	-5.20	-3.25	-6.74
DEVRA	BARMER	28.38	27.34	25.87	28.76	1.41	1.24	0.54	3.46
Dhanau2	BARMER	-	54.75	53.75	54.91	0.00	-1.15	-1.65	-1.44
DOLI	BARMER	23.92	24.47	21.41	21.97	20.12	19.07	16.01	16.57
GADRA ROAD	BARMER	-	88.25	94.05	-	0.00	-10.95	-5.30	0.00
GUJRO KA BERA	BARMER	72.82	72.15	72.84	73.27	-6.23	-7.65	-7.21	-9.33
HATHITALA	BARMER	-	47.22	50.48	50.18	0.00	-1.98	1.10	0.28
JASAI	BARMER	15.77	14.16	13.14	14.03	1.38	4.67	-4.20	-5.06
JAWANSINGHKIBER	BARMER	7.96	6.92	7.68	7.20	1.84	1.11	1.38	0.73
KALYANPURA	BARMER	21.57	21.67	21.55	20.49	1.84	0.37	0.25	-0.86
KARMAWAS	BARMER	7.10	7.82	7.10	-	-0.90	-0.21	-1.17	0.00
KASHMIR	BARMER	50.83	51.03	51.02	50.95	-7.01	4.95	-4.36	-5.99
KATERIA	BARMER	-	14.93	14.91	15.48	0.00	-0.01	0.24	0.06
KAWAS	BARMER	-	7.95	-	-	0.00	4.27	0.00	0.00
KHARIN	BARMER	43.48	43.47	42.10	41.98	1.63	-2.03	-3.60	-4.32
KOTHOLA	BARMER	3.90	4.36	4.48	-	-0.70	-1.04	-0.92	0.00
KURI2	BARMER	9.40	8.04	-	-	-0.57	-2.56	0.00	0.00
MATASAR	BARMER	35.56	34.69	35.17	34.98	-0.54	0.84	1.19	0.18
MUNGERIA	BARMER	14.16	10.73	13.24	12.76	1.84	-1.84	0.27	0.74
NAND	BARMER	8.89	5.33	6.23	7.34	-2.11	-3.67	-4.27	-7.36
NIMRI (RADEWA)	BARMER	-	8.33	7.90	8.25	0.00	0.67	-0.06	-1.78
PADMANIYON	BARMER	58.12	57.32	58.99	59.22	-1.49	-1.10	1.37	-0.34
PANAVADA	BARMER	29.32	28.80	29.38	29.10	-1.99	1.38	1.06	0.09
PANCHLA	BARMER	43.48	43.56	43.66	43.28	2.78	3.56	3.06	2.58
PATRASAR	BARMER	10.64	9.93	9.68	10.27	0.24	0.53	0.25	-1.08
PIPARLI GAON	BARMER	9.13	8.24	8.16	9.36	0.83	1.14	0.96	0.96
RAWATSAR1	BARMER	-	64.03	65.87	64.96	0.00	1.23	0.32	-13.55
REDANA	BARMER	22.29	16.03	14.35	15.39	5.97	0.39	-1.69	-3.03
SANAWARA	BARMER	43.27	43.36	44.28	44.36	-1.44	0.24	1.26	-0.55
SANLOR	BARMER	26.30	26.63	25.81	28.23	-1.90	0.43	0.01	-0.37
SASION-KA-KUA	BARMER	20.68	20.83	18.46	18.10	-3.42	-0.77	-0.24	-4.05
Sata1	BARMER	-	5.46	5.45	5.17	0.00	2.36	0.35	-1.13
SAUPADAMSINGH	BARMER	24.39	23.47	23.35	23.39	2.73	3.40	3.73	4.18
Sedwa	BARMER	-	53.28	53.78	52.67	0.00	-1.12	-0.82	-2.83
SELAU	BARMER	68.95	64.74	62.11	-	8.25	7.34	2.46	0.00
SIHANI	BARMER	18.83	13.77	15.70	16.84	-3.22	-2.23	-5.55	-6.61
SIHANIYA	BARMER	27.35	27.46	27.26	25.91	-8.90	-1.84	-1.55	-3.59
SINDARI	BARMER	16.15	15.79	16.08	16.11	0.95	-0.01	1.88	0.80
SIYAGA TALA	BARMER	-	65.42	66.62	66.26	0.00	-0.36	-0.36	0.02
SUTHARON KI DHA	BARMER	15.10	11.68	11.40	13.25	-3.50	-4.94	-6.00	-5.95

LOCATION	DISTRICT	Decadal Average Water Level in mbgl				Fluctuation (m) from Decadal Mean			
		MAY 04_13	AUG 04_13	NOV 04_13	JAN 05_14	May	Aug	Nov	Jan
TARLA	BARMER	4.82	4.39	4.23	4.58	0.17	0.19	0.13	-0.03
THOB	BARMER	19.78	13.11	15.03	16.21	1.92	-3.63	-1.91	0.73
BANDH BARETA	BHARATPUR	-	3.76	3.12	3.34	0.00	0.21	-0.03	0.39
BAONLI CHAN	BHARATPUR	23.03	23.33	-	24.60	-9.13	-9.07	0.00	-7.45
BAWARI BARODA	BHARATPUR	-	6.02	6.46	7.44	0.00	0.22	0.15	4.24
BHAGORI	BHARATPUR	15.37	8.13	10.18	12.27	3.03	-4.61	-1.36	0.48
Bharatpur1	BHARATPUR	3.49	3.96	2.68	-	-0.56	0.22	-1.06	0.00
Bhimnagar	BHARATPUR	21.01	9.68	14.03	23.91	-6.29	-17.42	0.08	5.31
BIRAITHA	BHARATPUR	8.90	6.33	6.78	-	3.74	1.17	1.62	0.00
CHIKSANA1	BHARATPUR	14.62	14.84	14.75	15.48	-4.10	-2.82	-3.09	-2.56
Chokarwada	BHARATPUR	39.92	36.87	41.19	47.29	-8.96	-9.94	-6.91	-2.16
DAHINAGAON	BHARATPUR	9.13	7.79	7.72	-	0.40	-1.59	-5.46	0.00
Deeg	BHARATPUR	3.48	1.80	1.79	3.13	0.63	-0.91	-0.62	-0.18
DEEG1	BHARATPUR	6.60	6.01	6.35	-	3.89	3.45	-6.51	0.00
GULPURA	BHARATPUR	8.51	8.43	8.34	8.58	0.91	0.53	-0.26	-2.47
HALENA	BHARATPUR	17.29	19.75	21.80	25.82	-24.76	-15.30	-18.35	-17.83
Jagjeevanpura	BHARATPUR	13.45	13.39	12.81	13.31	3.95	4.49	4.76	3.36
JAISARI	BHARATPUR	6.64	6.53	6.39	6.80	-0.76	-2.07	-1.91	-2.55
JHANTLI	BHARATPUR	6.66	6.07	5.39	-	-0.34	-0.23	-1.91	0.00
Jheel Mandir	BHARATPUR	24.70	22.92	-	-	-7.15	-7.88	0.00	0.00
JURAHRA	BHARATPUR	6.76	5.81	5.83	7.14	-0.36	-0.86	-1.69	-0.78
KALYANPURA2	BHARATPUR	6.36	6.21	6.52	-	0.70	1.26	0.86	0.00
KAMAN1	BHARATPUR	9.12	9.59	9.32	10.00	3.02	-2.31	-2.48	-2.05
KHAN SURJAPUR	BHARATPUR	8.84	6.96	5.07	6.74	3.64	3.04	1.47	1.99
KHANUA	BHARATPUR	7.04	6.22	6.44	6.78	-2.35	1.15	-0.63	-0.49
KOT1	BHARATPUR	8.81	6.32	6.07	6.89	1.76	-1.03	0.62	-0.06
KUMHER	BHARATPUR	4.11	3.18	2.67	3.15	1.61	-0.42	1.07	1.35
LULHARA	BHARATPUR	12.45	11.86	12.37	-	-1.44	8.87	-1.52	0.00
MANDHERA	BHARATPUR	7.96	6.69	7.04	7.69	-0.06	-2.73	-2.07	-2.27
NADBAI	BHARATPUR	13.59	12.83	12.81	13.45	-2.64	-2.89	-6.92	-3.27
PAHARI	BHARATPUR	5.65	4.00	4.07	4.56	0.07	0.22	0.29	0.28
PANHORI	BHARATPUR	8.31	6.20	-	-	-0.75	-3.06	0.00	0.00
Pasta	BHARATPUR	4.20	3.03	-	-	0.10	-1.27	0.00	0.00
RARAH PZI	BHARATPUR	16.25	17.32	16.77	24.73	-14.77	-5.13	-10.99	-3.52
RARAH PZII	BHARATPUR	12.92	10.59	11.20	11.64	1.94	0.29	1.10	1.24
Roopwas1	BHARATPUR	2.41	1.07	0.77	-	1.07	0.92	0.07	0.00
SADPURA	BHARATPUR	18.51	17.92	17.52	-	4.36	3.77	3.37	0.00
SALABAD	BHARATPUR	8.19	7.20	6.95	7.97	-0.06	-1.95	-1.15	-0.18
SIHORA	BHARATPUR	6.08	5.74	5.68	6.03	-2.07	-3.01	-1.82	-3.12
UCHAIN	BHARATPUR	8.71	8.10	8.57	-	-3.39	-4.00	-3.53	0.00
WEIR1	BHARATPUR	19.89	18.88	20.79	21.75	-2.58	-1.89	3.22	3.53
AMARWASI	BHILWARA	5.01	2.46	2.83	3.23	1.61	1.52	1.64	2.14
BADNOR	BHILWARA	-	8.03	9.54	6.67	0.00	6.65	8.82	6.16
BANERAMATAJI	BHILWARA	15.81	12.78	14.71	14.02	-2.50	3.73	3.41	-1.83
BARASNI	BHILWARA	14.59	11.59	9.97	10.70	-1.09	7.23	6.59	4.72
BIGOD	BHILWARA	10.25	3.12	3.77	3.69	0.05	-0.03	-3.23	1.14
BIJOLIA	BHILWARA	9.20	4.17	5.12	7.51	1.07	2.19	1.47	3.38
BORANI	BHILWARA	12.70	8.75	9.62	9.79	-4.79	4.86	-3.37	-6.60
DEVARIA	BHILWARA	17.25	12.26	13.20	12.70	7.75	-3.88	-2.65	-4.35
GAGEDA	BHILWARA	-	7.73	7.75	8.69	0.00	2.19	3.69	1.35
GANGAPUR1	BHILWARA	21.80	12.79	13.11	14.17	7.22	5.31	7.73	6.57
GULABPURA	BHILWARA	17.60	8.57	12.58	12.28	9.14	6.11	9.25	-4.73
GULABPURA1	BHILWARA	12.36	11.70	10.20	13.51	4.06	4.30	1.20	4.41
HAMIRGARH	BHILWARA	15.16	7.66	10.75	12.83	7.67	-3.33	-2.97	-3.17
JAHAJPUR	BHILWARA	11.28	8.42	7.75	8.83	-2.97	4.32	3.45	5.43
JIWANLIYAN	BHILWARA	-	8.15	7.16	7.73	0.00	0.25	0.89	-0.47
KANCHAN-KALA	BHILWARA	-	3.10	3.32	4.68	0.00	1.40	2.62	3.93
Karera	BHILWARA	20.11	16.04	17.36	18.20	-0.09	2.24	1.92	-0.12
KODUKOTA	BHILWARA	14.21	5.90	9.72	12.30	4.02	3.45	6.87	6.30
KOTARI	BHILWARA	11.16	7.46	7.63	8.53	0.29	2.34	0.44	0.26
LAKOLA	BHILWARA	12.31	8.82	7.11	8.34	5.61	7.49	5.53	-0.23
MANDAPIA RS	BHILWARA	11.73	6.24	8.95	9.43	3.73	1.64	1.29	1.73
NANGPURA	BHILWARA	20.04	18.36	16.77	18.18	7.66	3.48	3.69	0.10
PAROLI	BHILWARA	5.29	2.83	3.09	4.12	0.39	2.03	1.89	2.42
PITAKHERA	BHILWARA	-	7.72	8.12	10.39	0.00	4.12	5.39	4.49
RAILA ROAD	BHILWARA	15.51	11.89	9.48	9.72	-3.64	7.34	3.49	2.97
SALAWATIA	BHILWARA	23.57	10.70	15.77	19.77	7.97	3.50	-1.96	-1.43
SAWAIPUR	BHILWARA	15.23	11.40	11.71	13.25	-5.87	4.67	-0.09	-0.10
SOPURA	BHILWARA	7.24	4.18	7.18	6.40	-1.44	0.85	2.58	1.32
Taswaria Khurd	BHILWARA	14.09	8.39	10.62	13.13	1.41	2.44	2.15	1.71
TILOLI	BHILWARA	6.42	2.49	-	-	-7.13	1.89	0.00	0.00
6 PB	BIKANER	19.19	19.04	-	18.41	1.29	0.34	0.00	0.97
AMARPURA	BIKANER	18.72	18.18	17.96	18.07	3.82	3.51	3.29	2.18
ARJANSAR	BIKANER	19.79	19.60	19.43	19.53	2.62	1.65	-9.72	-9.98
BADERAN	BIKANER	40.65	33.42	39.17	39.56	1.10	-5.43	-0.69	-0.06
BINJAWARI	BIKANER	68.19	68.54	67.16	68.49	1.27	1.07	-0.24	1.65
Bithnok	BIKANER	54.48	54.43	54.28	54.45	-0.81	-0.02	3.39	3.44
BITHNOK	BIKANER	54.48	54.42	54.28	54.45	-0.81	3.68	3.39	3.44
CHHATARGARH	BIKANER	34.17	33.97	-	34.15	2.30	2.40	0.00	-0.32
DANTOR	BIKANER	13.55	19.01	12.94	12.88	1.95	6.91	0.94	0.40

LOCATION	DISTRICT	Decadal Average Water Level in mbgl				Fluctuation (m) from Decadal Mean			
		MAY 04_13	AUG 04_13	NOV 04_13	JAN 05_14	May	Aug	Nov	Jan
DESHNOKH	BIKANER	112.92	111.51	110.90	111.76	1.32	-1.39	-1.10	-0.69
DHIRERA	BIKANER	58.70	58.45	62.25	52.64	1.10	-2.06	11.25	1.74
Dhirera_Pz	BIKANER	51.62	50.17	-	49.78	1.78	-1.74	0.00	0.43
DIYATRA1	BIKANER	96.44	95.13	-	-	2.62	0.31	0.00	0.00
DUNGARGARH	BIKANER	60.30	60.03	-	60.23	-0.27	-0.27	0.00	-0.47
Gariyala_Pz	BIKANER	60.92	60.19	60.23	60.90	0.08	-1.38	-0.87	-0.38
Gigasar-Pz	BIKANER	-	105.38	-	-	0.00	0.10	0.00	0.00
GODU	BIKANER	22.65	22.58	22.54	23.32	3.02	4.05	4.85	4.37
Godu_Pz_I	BIKANER	18.75	17.70	17.92	17.10	1.51	-0.21	0.82	0.54
Godu_Pz_II	BIKANER	15.30	14.92	14.88	14.70	0.60	-0.63	0.08	0.02
GORABDESAR	BIKANER	62.67	63.14	62.36	63.07	-0.15	0.70	-0.80	0.12
HARIASAR	BIKANER	27.00	26.62	26.33	27.34	0.25	-1.25	-1.12	-0.56
JAGGASAR	BIKANER	19.30	18.80	19.07	18.95	1.20	0.47	1.37	0.90
JAITPUR1	BIKANER	50.12	49.94	50.08	49.98	-0.80	-2.11	0.18	0.28
KAKRA	BIKANER	75.86	75.54	75.44	76.76	-3.10	-6.99	-5.84	-4.42
Kanwalisar	BIKANER	66.26	65.80	65.37	65.59	1.88	0.12	1.30	1.31
KARMISAR	BIKANER	70.90	69.99	69.35	70.26	4.22	1.92	3.37	2.46
KASTURIA	BIKANER	33.10	33.67	33.76	34.18	-1.93	1.42	1.66	1.18
KHAKLI	BIKANER	15.97	18.98	-	-	-21.62	-18.60	0.00	0.00
KHARA1	BIKANER	51.78	52.00	51.67	51.85	0.98	1.68	1.00	1.45
KHARBARO	BIKANER	8.98	8.47	8.44	8.81	2.09	-1.22	1.60	0.42
KODAMDESAR	BIKANER	75.81	75.74	76.06	75.56	0.71	1.04	1.02	0.66
KOLAYAT	BIKANER	67.45	67.74	68.57	68.65	-2.95	-4.26	-2.71	-2.51
LAKHANSAR	BIKANER	17.13	16.24	-	16.06	3.63	2.49	0.00	1.01
LAKHASAR2	BIKANER	15.80	34.15	16.70	16.53	-0.60	-1.00	3.05	2.08
LAKHUSAR	BIKANER	43.49	44.14	44.29	44.09	0.78	2.14	2.07	1.49
LODERA	BIKANER	-	69.56	69.04	69.44	0.00	-0.94	-0.86	-0.56
LUNKARANSAR1	BIKANER	40.62	42.57	-	40.77	5.99	1.74	0.00	2.49
Mahajan	BIKANER	33.39	37.76	33.15	33.34	0.34	0.96	-3.50	-2.41
MAHAJAN	BIKANER	33.39	33.45	33.15	33.34	0.34	0.30	-3.50	-2.41
MALKISAR	BIKANER	16.38	16.07	18.03	15.95	1.91	4.80	3.61	0.95
MANARIA	BIKANER	49.27	50.24	50.02	-	1.66	2.23	2.18	0.00
Manju Ki Dhani	BIKANER	45.65	47.96	-	-	-7.05	-3.94	0.00	0.00
MANKASAR	BIKANER	12.11	11.75	11.66	11.67	1.05	0.99	1.16	-0.51
MODAYAT	BIKANER	15.64	15.38	15.54	15.33	0.90	0.77	0.68	1.04
NAPASAR	BIKANER	79.61	77.34	77.81	78.80	1.82	-10.27	0.27	2.03
NOKHRA	BIKANER	89.01	89.42	88.66	88.94	-0.48	1.14	0.08	1.18
RAISAR	BIKANER	75.42	74.92	-	75.21	0.22	-1.58	0.00	-0.34
RANER	BIKANER	18.24	17.60	17.58	17.37	2.74	-3.81	-2.08	-3.48
RANJITPURA	BIKANER	23.95	25.44	25.18	26.46	-0.95	0.74	0.88	1.61
SADHSAR	BIKANER	103.73	97.52	95.68	103.05	-9.12	-16.18	-19.40	-12.20
Sangrew	BIKANER	30.63	30.56	-	-	1.23	0.56	0.00	0.00
SATTASAR	BIKANER	31.44	30.93	31.48	31.00	1.43	-0.10	0.17	0.09
TANWAR WALA	BIKANER	20.02	19.95	19.87	19.50	1.25	0.48	0.40	-0.40
BALLOP	BUNDI	5.05	1.59	1.47	1.04	-0.95	-1.76	-2.98	0.82
DELUNDA	BUNDI	17.67	15.87	15.97	15.79	8.86	9.13	6.38	7.82
GAINDOLI	BUNDI	8.75	2.17	3.52	5.23	4.90	0.60	2.07	1.63
KAPREN	BUNDI	2.57	5.27	4.39	4.87	0.26	3.37	2.50	2.91
KESHORAIPATAN	BUNDI	3.95	1.70	1.83	1.76	1.34	0.52	-0.03	0.60
LAKHERI	BUNDI	2.61	2.03	2.34	2.74	1.81	1.96	2.16	2.44
MAIJA	BUNDI	3.64	3.26	1.31	1.16	1.44	2.22	-0.08	0.71
MOTIPURA	BUNDI	13.38	5.87	9.97	10.74	-0.12	-1.47	1.88	2.35
RAJWAS	BUNDI	6.35	3.48	3.77	4.83	1.89	1.68	1.32	1.62
RAMNAGAR	BUNDI	10.53	4.64	5.88	7.59	7.28	3.00	2.49	-0.65
SATUR	BUNDI	12.98	8.60	9.58	6.00	3.88	3.22	2.78	2.93
AKOLA	CHITTAURGARH	14.64	8.68	9.96	11.06	-1.36	0.38	2.50	2.96
BANSEN	CHITTAURGARH	14.96	5.03	-	8.10	-3.74	2.58	0.00	-0.80
Dugar	CHITTAURGARH	2.33	3.16	3.31	4.68	-0.97	2.71	1.51	4.28
KAPASAN1	CHITTAURGARH	12.37	11.05	9.62	8.90	7.19	8.75	7.35	5.73
KHARKHANDA	CHITTAURGARH	17.39	14.77	16.37	16.86	-4.15	13.33	10.43	4.82
MAHOODA	CHITTAURGARH	-	12.78	-	11.36	0.00	-3.22	0.00	-1.79
MANPURA2	CHITTAURGARH	11.87	3.54	6.49	9.96	2.80	0.57	0.00	1.05
MENAL	CHITTAURGARH	2.96	1.80	1.72	1.91	-1.10	0.95	-0.33	0.86
MUNGANA	CHITTAURGARH	16.11	12.38	14.00	15.04	3.36	4.56	6.46	7.17
NAGARI1	CHITTAURGARH	15.98	5.87	8.58	13.56	-1.17	4.02	2.03	0.96
NAPANIA	CHITTAURGARH	-	18.03	15.37	18.43	0.00	7.23	1.22	5.03
PARSOLI	CHITTAURGARH	11.16	3.68	5.51	9.06	-1.63	2.83	1.26	2.36
PUROHITOKASAVAT	CHITTAURGARH	-	23.59	22.81	25.17	0.00	2.86	2.33	3.59
RASHMI1	CHITTAURGARH	10.10	6.73	6.99	7.50	1.44	2.48	1.37	0.52
RAWATBHATA	CHITTAURGARH	-	0.29	0.37	0.41	0.00	-0.48	0.33	0.02
SINGHPUR	CHITTAURGARH	16.42	6.10	7.06	12.25	1.67	3.20	3.11	1.05
Aspalsar	CHURU	-	44.24	44.75	45.20	0.00	-1.36	1.20	0.90
BAMBOO	CHURU	60.38	60.84	59.40	60.92	-3.12	-2.16	-3.85	-1.86
BHALAUTIBBA	CHURU	14.09	13.40	13.56	13.75	1.38	0.88	0.45	0.89
BHOJASAR	CHURU	30.00	29.37	29.49	29.55	1.48	-0.10	0.97	-0.19
BHOJRASAR	CHURU	-	53.61	53.25	53.45	0.00	0.34	0.04	0.39
BINASAR	CHURU	34.00	33.46	-	33.54	0.35	-0.38	0.00	-0.19
BIRAMSAR1	CHURU	36.92	36.35	36.44	36.48	0.85	0.88	0.47	0.26
DADREWA	CHURU	14.61	14.07	13.72	13.55	-4.90	0.97	0.61	0.91
DHIRAWAS	CHURU	9.49	7.70	9.07	8.72	1.74	0.60	0.46	0.11

LOCATION	DISTRICT	Decadal Average Water Level in mbgl				Fluctuation (m) from Decadal Mean			
		MAY 04_13	AUG 04_13	NOV 04_13	JAN 05_14	May	Aug	Nov	Jan
DUDWA	CHURU	37.05	31.33	-	-	-22.53	-28.25	0.00	0.00
DUDWA KHARA	CHURU	19.06	18.54	18.76	18.58	0.65	-1.76	-0.13	-1.01
GUJRON KI DHANI	CHURU	31.36	31.02	31.02	31.20	-0.05	-0.49	-0.41	-0.45
GULERIYA	CHURU	9.95	9.63	9.54	9.50	0.79	1.12	0.71	0.08
HARDESAR	CHURU	58.65	58.73	58.63	-	-0.97	1.10	0.96	0.00
KHUNDIA	CHURU	53.72	53.56	-	-	-1.28	-1.44	0.00	0.00
LOHA1	CHURU	-	33.11	-	32.11	0.00	4.00	0.00	3.10
MALASAR	CHURU	-	38.27	-	-	0.00	-9.35	0.00	0.00
MELUSAR	CHURU	-	23.17	-	30.05	0.00	-6.01	0.00	3.67
MELUSAR1	CHURU	40.71	40.21	38.58	40.81	0.01	-1.69	-1.43	0.09
MITTASAR	CHURU	57.68	55.08	55.65	55.99	-3.19	-5.09	-6.32	-5.43
NANGLI	CHURU	24.72	24.97	25.25	25.22	-1.48	-0.13	-0.66	0.42
PERIHARA	CHURU	25.43	24.26	-	-	-1.92	-3.09	0.00	0.00
RAJALDESAR	CHURU	46.50	46.58	49.03	47.43	-1.40	-3.30	3.15	-0.35
RAJGARH1	CHURU	21.69	21.81	18.54	18.49	-1.37	1.80	0.16	0.14
RAMPURA	CHURU	20.61	18.96	20.35	19.86	1.35	-3.04	0.11	-1.72
RATANGARH	CHURU	41.10	40.62	38.45	-	-0.77	-1.25	-2.72	0.00
Ratangarh2	CHURU	41.29	40.84	-	-	-1.71	-0.87	0.00	0.00
SADASAR	CHURU	59.03	59.37	58.99	59.13	-0.17	0.57	0.14	0.18
SARDARSHAHAR	CHURU	42.48	41.32	40.54	40.55	4.68	3.12	-2.01	-2.86
SHAWA	CHURU	14.68	14.72	14.56	14.79	-0.13	1.92	-0.24	0.29
SIRSALA	CHURU	30.50	30.34	30.26	30.23	1.10	0.17	0.34	0.59
SOMASAR	CHURU	57.55	57.13	57.06	57.03	1.03	-0.41	-0.58	-0.51
SONIASAR	CHURU	59.66	59.81	-	-	-15.12	-14.97	0.00	0.00
TODIASAR	CHURU	-	42.93	42.98	42.78	0.00	7.93	2.98	-1.27
B GURJRAN	DAUSA	38.45	37.58	36.45	-	-4.15	-4.92	-5.47	0.00
BAPI	DAUSA	9.25	5.84	9.60	9.95	1.27	1.02	2.68	2.98
Baswa1	DAUSA	39.21	39.97	39.12	40.92	-1.34	-2.73	-1.68	-0.68
BHANDAREJ	DAUSA	22.47	15.07	18.51	22.40	5.57	-3.13	-3.79	-0.40
BIGAWAS MOD	DAUSA	10.64	6.22	7.09	-	0.94	-4.93	-4.81	0.00
Dausa	DAUSA	10.61	7.83	8.96	8.76	0.81	-2.37	-0.14	-1.19
DAUSA1	DAUSA	11.81	5.92	8.50	9.93	-1.70	-8.09	-5.41	-4.83
DHAND1	DAUSA	14.16	12.22	13.33	16.41	-2.34	-6.68	-11.97	-9.54
GARH RANOLI	DAUSA	28.52	28.21	28.06	29.50	-8.58	-10.04	-10.04	-8.80
Ghazipur	DAUSA	-	11.80	8.77	10.38	0.00	0.18	-4.83	-0.76
GIJGARH	DAUSA	-	32.92	32.56	-	0.00	-16.78	-22.54	0.00
Kalipahari	DAUSA	22.26	19.91	21.94	22.19	-2.56	-6.81	-5.26	-5.51
LALSOT2	DAUSA	39.74	39.87	38.66	39.08	-0.43	-1.80	4.19	3.71
LANGRA BALAJI	DAUSA	27.64	27.07	27.66	28.26	-3.96	-4.83	-4.85	-6.45
MAHUWA	DAUSA	21.89	21.31	20.87	23.05	-11.08	-12.03	-13.50	-12.22
Nagal Rajawatan	DAUSA	25.30	25.28	24.54	25.54	-5.55	-5.92	-1.81	-6.26
AITHMEEL	DHAULPUR	10.87	4.82	6.35	8.42	2.35	-0.45	0.43	1.30
ANGAI	DHAULPUR	13.78	8.64	8.07	9.24	8.46	2.92	0.80	-0.28
BARETHA KALAN	DHAULPUR	16.00	14.62	15.45	-	-8.50	-9.58	-13.95	0.00
BARI1	DHAULPUR	12.85	12.49	12.78	12.34	2.05	1.24	1.63	1.29
Dhaulpur	DHAULPUR	14.56	13.40	12.96	13.55	0.96	-0.30	-0.45	0.35
Dhaulpur1	DHAULPUR	16.10	15.75	14.91	15.73	4.32	4.25	3.11	3.53
GAJPURA	DHAULPUR	8.01	2.54	3.99	5.51	3.04	-1.28	0.92	0.89
KANTHRI	DHAULPUR	6.16	6.51	6.40	5.57	0.18	1.01	2.20	0.22
Mangraul	DHAULPUR	16.00	16.17	18.65	17.94	-3.01	-2.48	-2.70	-4.91
NAKATPURA	DHAULPUR	9.43	4.65	5.08	6.23	1.73	-0.50	1.03	0.48
PIPEHARA	DHAULPUR	29.74	27.61	29.24	31.97	-5.36	-7.91	-10.66	-8.53
SALEMPUR	DHAULPUR	10.63	13.10	-	10.55	5.23	8.00	0.00	5.10
SAWALIAPURA	DHAULPUR	23.33	24.16	23.89	-	-2.97	-2.14	-2.41	0.00
SIKRONDA	DHAULPUR	26.83	24.19	25.41	27.66	-2.97	-3.51	-3.84	-2.99
Anteree	DUNGARPUR	4.51	1.75	2.52	2.46	0.99	-1.55	-0.15	0.94
Aspur	DUNGARPUR	-	10.26	-	10.35	0.00	-1.74	0.00	-1.23
ASPUR1	DUNGARPUR	7.70	2.29	6.38	4.49	-0.10	-9.61	4.73	-8.16
BARODA	DUNGARPUR	2.79	1.24	1.97	2.10	-1.27	-0.12	0.66	0.28
Beechiwara	DUNGARPUR	12.46	3.04	-	8.53	-0.94	-5.10	0.00	0.20
BHILURA	DUNGARPUR	5.92	2.87	3.67	4.57	0.49	-0.12	1.62	0.98
Dungarpur1	DUNGARPUR	10.06	4.49	5.41	6.58	2.01	0.36	0.92	2.63
GORADA	DUNGARPUR	7.39	1.91	4.22	5.48	-0.93	-2.85	-0.66	1.03
HATAI	DUNGARPUR	6.68	1.53	3.10	4.28	-0.10	-2.26	-1.88	-0.07
Jasala	DUNGARPUR	41.87	6.10	10.00	17.40	16.27	-10.85	-1.17	0.41
Kabja	DUNGARPUR	4.91	2.30	-	2.60	0.81	-1.37	0.00	-1.30
KANABA	DUNGARPUR	8.99	3.13	3.66	4.62	1.69	-0.34	0.56	0.74
KUA	DUNGARPUR	4.91	1.20	2.52	2.55	-5.59	-2.88	0.22	-3.25
MANPUR2	DUNGARPUR	6.18	2.00	13.65	11.42	-1.53	-0.35	5.78	1.35
NANTHODA	DUNGARPUR	8.35	2.77	3.13	5.16	0.60	-2.43	-1.27	-2.59
NAVAL SHYAM	DUNGARPUR	8.70	3.09	4.61	4.19	-0.84	-1.53	1.20	-0.92
NAYADERA	DUNGARPUR	9.14	4.29	5.70	6.24	1.86	-3.64	0.27	-1.24
NAYAGAON1	DUNGARPUR	6.80	3.65	3.98	5.31	1.55	0.95	1.46	1.71
PEETH	DUNGARPUR	10.86	1.59	3.86	5.58	-1.20	-1.26	1.66	-1.70
Ramgarh2	DUNGARPUR	11.45	4.60	47.16	7.73	5.85	-0.45	0.07	-6.42
RATANPPUR	DUNGARPUR	10.25	4.10	6.07	7.73	-1.40	-2.99	1.60	0.50
SABLA	DUNGARPUR	5.45	1.68	2.66	3.24	-2.31	-3.85	-2.10	-3.57
Sagwara	DUNGARPUR	9.43	4.98	6.95	7.62	1.03	-1.68	-0.42	0.02
22GB CHAK	GANGANAGAR	-	11.16	8.31	9.34	0.00	3.25	-2.00	0.38
ANUPGARH1	GANGANAGAR	14.00	13.99	14.40	14.05	0.84	4.83	2.25	0.35

LOCATION	DISTRICT	Decadal Average Water Level in mbgl				Fluctuation (m) from Decadal Mean			
		MAY 04_13	AUG 04_13	NOV 04_13	JAN 05_14	May	Aug	Nov	Jan
BANDA COLONY	GANGANAGAR	9.78	9.08	8.86	9.64	1.45	4.60	2.58	0.80
BHOPALPURA	GANGANAGAR	2.26	1.86	2.13	2.09	-1.49	-0.30	-1.77	0.04
BINJBALIA	GANGANAGAR	13.59	13.46	13.73	14.82	-0.51	2.35	1.63	0.92
Birdhwal1	GANGANAGAR	44.43	43.68	43.58	40.89	0.63	0.98	0.58	-0.21
BIRMANA	GANGANAGAR	6.03	4.90	5.90	5.40	0.33	1.62	0.90	0.00
CHUNAWAD	GANGANAGAR	14.59	14.66	14.29	14.03	1.72	1.79	1.22	0.91
DABLA	GANGANAGAR	10.86	7.97	10.31	10.54	-0.11	2.75	0.74	0.37
DELWAN	GANGANAGAR	11.96	9.89	12.30	12.14	0.64	2.47	1.15	1.44
GAJSINGHPURA	GANGANAGAR	10.06	9.86	9.66	9.53	1.99	1.64	1.64	1.71
GANESHGARH	GANGANAGAR	16.93	17.21	17.65	17.14	-1.19	2.59	0.73	0.75
GANGUWALA	GANGANAGAR	14.32	8.91	11.81	12.52	8.72	5.51	7.71	0.47
GOMANWALI	GANGANAGAR	10.60	9.35	9.18	9.67	2.10	2.85	0.68	3.02
HARISINGHPURA	GANGANAGAR	22.42	21.79	22.16	21.83	2.07	5.24	4.71	2.18
JAGATSINGHWALA	GANGANAGAR	12.09	12.00	12.00	11.98	1.06	1.87	1.17	2.23
Jaitsar	GANGANAGAR	7.81	7.80	7.42	8.15	0.21	1.90	1.02	1.50
KARANPUR1	GANGANAGAR	6.18	5.92	6.01	5.85	0.73	1.27	0.56	0.90
KHARLA	GANGANAGAR	9.91	11.08	-	-	-4.59	-3.42	0.00	0.00
KHERUWALA	GANGANAGAR	23.53	22.01	22.48	23.72	0.60	1.97	-0.35	1.19
LALGAARH JATAN	GANGANAGAR	20.61	21.08	21.74	20.86	-0.04	3.48	2.44	2.86
Lalgarh	GANGANAGAR	18.69	18.89	18.25	18.70	0.79	2.79	-0.45	-1.30
LALGARIYA	GANGANAGAR	26.66	27.24	29.58	27.02	2.91	6.49	7.18	2.01
MAHIYANWALI	GANGANAGAR	3.05	1.27	1.42	-	2.00	0.72	0.76	0.00
MORJHAND KHERI	GANGANAGAR	25.47	25.58	-	-	-15.03	-14.92	0.00	0.00
MUKLAWA	GANGANAGAR	12.74	12.58	12.57	12.69	-0.34	1.60	1.41	2.21
Narsinghpur	GANGANAGAR	18.40	17.57	17.55	17.82	-0.20	0.27	-0.05	0.32
NARSINGHPUR1	GANGANAGAR	-	18.11	17.89	18.25	0.00	10.91	9.79	1.26
PADAMPURA	GANGANAGAR	2.45	2.09	2.14	2.05	2.39	2.08	1.53	1.84
PIPASAR	GANGANAGAR	39.39	39.22	39.79	39.72	-0.69	1.34	1.46	0.94
PIPERAN	GANGANAGAR	6.52	6.45	6.76	6.41	-0.93	1.30	0.31	-0.74
RAISINGHNAGAR	GANGANAGAR	13.16	12.77	12.59	12.78	1.52	1.59	1.66	2.20
RAMSINGHPURA	GANGANAGAR	15.44	14.71	14.60	15.33	-0.25	0.02	-1.29	0.84
RAYANWALI	GANGANAGAR	21.94	19.18	19.44	19.44	2.82	5.57	5.33	1.18
ROJARI	GANGANAGAR	9.99	9.63	9.53	9.65	1.81	0.80	1.43	2.00
SARDARPURA	GANGANAGAR	4.55	4.10	4.41	3.66	0.55	-3.00	-3.39	-0.84
SURATGARH	GANGANAGAR	5.50	6.08	6.75	5.68	-1.05	2.28	1.85	0.58
TATARSAR	GANGANAGAR	14.62	14.51	14.54	14.51	0.66	1.01	0.58	1.09
BHUKARKA	HANUMANGARH	18.43	19.50	18.74	19.78	-4.37	-0.22	-1.16	-0.02
BHUKARKA1	HANUMANGARH	24.08	23.13	24.48	-	-1.17	-1.76	1.00	0.00
BIRAMSAR	HANUMANGARH	25.63	25.64	25.75	25.68	1.23	1.19	0.87	1.18
BISRASAR	HANUMANGARH	45.06	45.53	45.35	44.52	0.31	1.08	0.99	0.17
BOLANWALI	HANUMANGARH	17.47	17.05	17.10	17.10	1.97	1.45	0.80	1.48
Chak Sampatnagar2	HANUMANGARH	18.33	19.32	18.62	19.44	-4.33	-1.78	-3.05	-1.96
CHISTIAN	HANUMANGARH	26.00	26.06	26.01	26.17	-2.60	-2.54	-3.01	-2.83
CHOHLINYAWALI	HANUMANGARH	7.36	4.51	5.33	5.04	2.86	2.91	2.33	3.44
DHANASAR	HANUMANGARH	8.97	8.85	10.80	10.53	0.57	1.35	1.40	1.83
DHOLIPAL	HANUMANGARH	21.25	19.58	20.03	19.94	0.37	14.65	-2.91	-0.59
DUDHAL	HANUMANGARH	47.70	47.50	47.12	47.15	0.45	1.75	1.07	-0.10
DUNGRANA	HANUMANGARH	18.20	17.79	17.56	18.32	3.70	4.49	3.46	4.67
GOLUWALA	HANUMANGARH	21.21	21.02	21.31	21.34	-1.67	-0.88	-2.19	-1.76
Hanumangarh Rau	HANUMANGARH	17.65	17.92	17.62	18.05	-2.45	0.72	0.22	0.65
KOHLA	HANUMANGARH	15.97	16.17	16.51	16.88	-3.03	-0.88	-1.00	-2.78
LAKHASAR1	HANUMANGARH	17.77	17.68	17.91	17.99	-0.13	4.08	3.41	-1.51
LAKHASAR2	HANUMANGARH	15.80	15.80	16.70	16.53	-0.60	0.25	3.05	2.08
LAKHERAN	HANUMANGARH	37.79	35.56	37.72	35.66	-0.51	-1.54	0.12	-1.36
MALSISAR	HANUMANGARH	13.85	12.78	12.67	13.94	1.15	0.68	-1.23	1.79
MUNSARI	HANUMANGARH	15.04	12.54	14.70	13.45	0.46	-0.24	0.02	-0.28
NOHAR1	HANUMANGARH	-	13.95	16.66	13.32	0.00	-1.10	2.06	-1.78
PAKKASARNA	HANUMANGARH	23.00	22.54	24.04	23.10	-2.49	6.60	7.70	-2.49
Pale Wali Dhani	HANUMANGARH	-	24.26	-	-	0.00	2.16	0.00	0.00
PALLU	HANUMANGARH	43.19	43.14	-	-	-3.41	-3.46	0.00	0.00
PANDITAWALI	HANUMANGARH	7.91	7.38	7.73	7.79	-0.35	0.11	0.07	-0.24
RAMSARA	HANUMANGARH	13.95	14.78	13.90	14.44	-2.60	2.73	1.30	-1.76
RAMSARA1	HANUMANGARH	17.63	15.46	16.01	16.31	-1.97	0.36	1.11	2.66
RATANPURA	HANUMANGARH	13.55	10.52	10.97	14.79	2.05	7.02	5.07	3.44
RAWATSAR	HANUMANGARH	2.24	2.27	2.29	2.12	1.84	2.17	1.59	1.72
SALEWALI	HANUMANGARH	7.83	6.90	6.88	7.40	-2.02	6.30	4.98	5.40
SATIPURA	HANUMANGARH	-	18.31	18.44	18.01	0.00	-4.09	-4.16	-3.93
Tibbi	HANUMANGARH	14.16	14.24	-	-	-2.74	-2.66	0.00	0.00
AMBER	JAIPUR	11.95	9.80	9.65	9.35	0.05	4.40	2.55	-0.40
Anantpura	JAIPUR	44.69	45.19	-	-	-7.31	-10.41	0.00	0.00
Bassi Nagal	JAIPUR	-	50.71	51.02	52.91	0.00	-12.00	-10.20	-12.39
BASSI2	JAIPUR	32.44	28.91	30.58	31.53	-6.82	-10.34	-6.99	-6.27
BHANPUR KALAN	JAIPUR	42.54	38.73	39.94	-	-0.76	-5.32	-4.46	0.00
CHAKSU	JAIPUR	17.92	15.73	16.82	16.53	3.67	6.33	4.37	7.08
CHAUMP	JAIPUR	57.13	57.36	56.28	-	-19.87	-8.59	-7.97	0.00
Chirota	JAIPUR	17.68	16.94	-	15.76	-7.75	6.29	0.00	1.21
DATAL GURJRAN	JAIPUR	24.51	24.31	24.50	24.65	-0.19	-4.79	-5.60	-5.45
DAWACH	JAIPUR	10.18	8.74	9.95	10.34	0.58	0.79	3.23	3.04
DAWACH1	JAIPUR	10.67	10.08	9.03	10.62	1.87	2.48	1.30	2.16
DHODSAR	JAIPUR	32.58	31.88	31.86	32.79	-20.75	-11.43	-12.21	-10.90

LOCATION	DISTRICT	Decadal Average Water Level in mbgl				Fluctuation (m) from Decadal Mean			
		MAY 04_13	AUG 04_13	NOV 04_13	JAN 05_14	May	Aug	Nov	Jan
DURGAPURA	JAIPUR	48.78	49.54	47.38	48.32	-3.92	-5.56	-8.02	-6.76
GONER	JAIPUR	11.85	11.01	10.85	11.57	-1.45	-1.99	-2.05	-1.39
Hastera1	JAIPUR	-	17.49	17.02	18.65	0.00	-7.71	-8.29	-6.17
JHOTWARA1	JAIPUR	-	60.97	-	-	0.00	-7.63	0.00	0.00
Jobner	JAIPUR	30.12	29.57	29.72	28.38	-5.08	4.27	4.19	3.56
KALWAD	JAIPUR	34.85	33.00	34.77	34.74	-6.86	-13.70	-9.53	-9.63
MALAWALA	JAIPUR	44.01	43.98	44.48	44.96	-2.09	-1.82	-1.42	-0.75
MANGARWARA	JAIPUR	6.32	5.73	5.52	5.86	3.04	2.75	4.52	5.43
MANSAROVAR	JAIPUR	41.03	41.74	43.67	43.39	-3.27	4.82	7.05	7.35
Mansarovar Cgwb	JAIPUR	-	41.83	41.71	41.21	0.00	1.35	1.78	2.57
MES JAIPUR	JAIPUR	48.49	48.87	45.41	47.70	2.61	2.72	-0.06	2.66
MOHANA	JAIPUR	41.64	35.65	35.01	38.49	-7.06	-4.15	-6.42	-4.88
Mohanpur Balaji	JAIPUR	-	52.63	52.15	53.43	0.00	-6.92	-6.25	-4.42
MOZMABAD	JAIPUR	9.73	8.13	8.86	8.84	5.66	4.71	6.01	5.17
N.PUROHITAN	JAIPUR	-	37.09	37.62	39.18	0.00	-10.13	-9.61	-8.14
NASNOTA	JAIPUR	11.65	11.74	11.64	11.51	0.32	5.41	2.07	2.08
PALLUKHURD	JAIPUR	12.02	8.30	9.96	10.17	6.77	4.80	5.86	5.77
RASALA	JAIPUR	14.59	10.64	11.27	12.21	5.50	2.97	2.70	4.14
SHIVDASPURA	JAIPUR	24.39	23.78	23.28	23.82	5.69	5.08	4.65	4.42
SIROHIKHURD	JAIPUR	-	4.37	4.84	5.46	0.00	0.81	1.81	0.28
SIRSI	JAIPUR	57.13	52.16	60.92	64.93	-22.95	-22.70	-10.91	-6.44
SURYANAGAR	JAIPUR	34.75	33.16	33.69	33.99	-16.32	-12.52	-11.13	-9.85
THALLI	JAIPUR	14.08	13.26	12.96	12.81	5.03	6.66	5.21	4.31
TIGARIA	JAIPUR	35.64	34.77	35.34	36.31	-23.59	-18.83	-16.23	-20.89
TILAWALA	JAIPUR	30.28	31.18	-	-	-8.54	-3.73	0.00	0.00
AJASAR	JAISALMER	48.49	48.66	-	48.73	-3.31	-2.14	0.00	-0.67
AWAI	JAISALMER	6.79	6.42	6.72	6.59	0.49	0.07	0.31	0.14
BAISHAKHI	JAISALMER	20.29	17.63	19.97	19.74	-1.72	-3.90	-2.79	-3.12
BHADRIAS	JAISALMER	8.63	8.61	8.80	8.36	-0.37	-0.76	-0.85	-1.14
BHAINSARA	JAISALMER	21.22	20.49	20.73	20.42	-0.15	-0.76	-0.77	-2.15
BOA	JAISALMER	61.86	61.93	56.42	61.45	12.51	6.03	6.96	11.40
BORANA	JAISALMER	26.82	26.17	26.34	25.89	-4.66	-5.67	-5.00	0.19
CHACHA	JAISALMER	13.00	14.38	12.98	13.19	-0.39	1.17	-0.36	-0.77
CHANDAN	JAISALMER	45.93	46.03	45.81	46.97	-1.51	-1.56	-1.99	-0.97
CHODHARIYA	JAISALMER	22.04	19.70	20.62	21.78	-2.86	-0.08	-4.21	-4.32
Dantal	JAISALMER	-	4.61	-	-	0.00	2.56	0.00	0.00
DEVA	JAISALMER	30.46	30.28	30.01	-	1.00	0.82	0.55	0.00
DHAISAR	JAISALMER	60.41	60.18	60.83	60.35	-1.14	-1.15	-0.48	-1.12
GAMANEWALA	JAISALMER	60.19	60.11	61.27	59.83	-12.83	-1.68	-0.63	-2.11
GHANTIYALI	JAISALMER	-	38.79	-	37.50	0.00	2.65	0.00	1.09
Gomath	JAISALMER	42.04	43.39	-	43.39	-12.83	-5.19	0.00	-16.09
GOTARU	JAISALMER	37.80	39.50	35.63	38.43	-0.13	2.55	-1.34	0.78
GUDI KA TALA	JAISALMER	7.30	6.05	6.03	6.17	2.05	1.33	0.62	0.42
HABOOR	JAISALMER	108.86	106.15	105.42	-	3.51	0.80	0.07	0.00
HAMIRA	JAISALMER	42.01	41.26	41.83	-	-0.04	-0.59	-0.42	0.00
JAISALMER	JAISALMER	38.19	38.27	38.04	38.22	0.91	1.34	1.16	1.34
KALEWA	JAISALMER	23.18	21.06	17.76	19.23	-0.42	7.76	-3.95	-0.57
KHURI	JAISALMER	11.20	10.00	-	9.09	2.40	1.13	0.00	-0.06
LAKHASAR	JAISALMER	39.81	40.12	40.66	40.33	0.41	0.88	-0.41	0.98
LANELA	JAISALMER	36.11	36.51	36.39	36.53	-1.09	-0.49	-0.72	-0.97
LAWAN	JAISALMER	18.41	17.38	17.87	17.40	-3.39	-6.68	-5.83	-2.51
LONGEWALA1	JAISALMER	47.68	47.74	50.70	47.75	-6.72	0.02	2.90	0.05
LUNA KALAN	JAISALMER	11.99	11.61	11.42	11.89	-0.31	1.28	0.03	0.79
MADASAR	JAISALMER	10.91	9.08	9.50	9.76	-2.29	-1.95	0.43	-2.24
Maizalar	JAISALMER	61.40	63.06	62.33	-	-11.20	-9.41	-7.86	0.00
MOOLSAGAR	JAISALMER	14.10	14.87	14.87	14.62	-1.30	-0.54	-0.68	-1.08
Moolsagar_Pz	JAISALMER	69.57	69.82	69.50	69.80	-1.21	-1.83	-1.37	-4.38
NACHNA	JAISALMER	11.15	10.97	10.50	11.42	2.05	1.84	1.42	2.32
NATHU KA BERA	JAISALMER	-	31.03	31.08	31.31	0.00	0.24	0.32	0.21
NEWEATA	JAISALMER	20.96	21.12	21.19	21.01	-0.69	-0.03	-0.24	-0.19
Nokh1	JAISALMER	13.33	12.25	13.00	12.60	-9.19	-8.35	-7.69	-7.70
PHALSUND	JAISALMER	6.59	5.42	5.76	5.97	2.20	1.35	0.99	0.38
RAJGARH1	JAISALMER	21.69	18.40	18.54	18.49	-1.37	0.15	0.16	0.14
Ramgarh2	JAISALMER	11.45	47.00	47.16	7.73	5.85	0.07	0.07	-6.42
SADEWALA	JAISALMER	41.54	41.38	41.63	41.73	0.36	0.35	0.53	0.73
SAM1	JAISALMER	9.75	8.63	6.32	6.80	2.75	7.08	1.73	1.55
Sanu1	JAISALMER	-	111.92	106.54	105.87	0.00	5.55	0.17	-6.96
SANWALA	JAISALMER	33.05	32.77	34.31	32.41	2.10	-0.13	1.36	-0.58
SANWATA	JAISALMER	31.83	32.10	-	-	-1.82	-0.95	0.00	0.00
BHADRAJAN DHANI	JALORE	-	25.30	27.34	-	0.00	-2.60	-0.56	0.00
BHINMAL1	JALORE	5.42	4.62	4.34	4.25	0.02	0.42	0.44	-0.75
DHANWARA	JALORE	42.99	44.06	45.01	46.96	-19.01	-16.81	-17.10	-17.09
DOONGRI	JALORE	24.30	24.09	24.12	-	0.57	0.29	1.76	0.00
Kagmala(kundanpura)	JALORE	25.45	23.71	24.40	24.55	-13.50	-13.59	-2.40	-4.50
KHOKAGAON	JALORE	29.34	28.56	29.76	27.97	-10.66	-10.24	-8.84	-11.26
NIMLA	JALORE	-	14.41	18.51	-	0.00	0.91	1.81	0.00
PUNAK KALAN	JALORE	7.13	5.54	5.32	5.60	2.57	0.94	-0.17	-4.62
RAMSEEN	JALORE	8.04	6.78	5.41	5.93	1.91	0.28	-1.39	-3.22
AKLERA	JHALAWAR	8.75	3.17	4.58	6.17	1.35	1.27	0.48	2.42
AKTASA	JHALAWAR	8.12	3.50	4.67	6.50	0.43	1.03	1.48	5.11

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ANVLIKALAN	JHALAWAR	11.15	9.18	8.83	8.85	4.06	4.37	3.84	3.21
ASALPUR	JHALAWAR	11.21	6.34	8.77	10.13	1.51	-0.31	1.57	3.18
BINDA	JHALAWAR	9.66	3.92	4.57	5.72	-3.11	0.87	-1.54	1.45
DOONGARGAON	JHALAWAR	6.80	2.33	5.74	6.24	2.22	1.05	3.61	4.01
GAGRON	JHALAWAR	12.92	4.10	5.55	8.39	-0.24	3.45	3.52	1.61
GAJWARA	JHALAWAR	13.97	4.97	9.92	10.79	3.20	3.62	4.84	2.86
GANESHPURA	JHALAWAR	15.25	9.73	9.93	11.19	4.24	5.56	5.46	6.27
GANGDHAR	JHALAWAR	-	8.98	9.16	9.98	0.00	0.28	-1.85	0.08
GAURADIYA KALAN	JHALAWAR	9.74	5.63	6.15	7.51	1.36	0.63	0.55	0.92
GUNAVI	JHALAWAR	12.92	4.18	6.50	10.85	0.07	-1.20	-2.00	-1.00
GURARIYA JOGA	JHALAWAR	14.02	10.54	10.95	13.47	4.15	3.69	4.20	2.06
GWALAT	JHALAWAR	8.68	1.39	3.34	5.31	2.70	0.69	0.71	0.21
JASWANTPURA1	JHALAWAR	22.06	11.57	13.18	-	3.06	-1.68	-2.53	0.00
JHALAWAR	JHALAWAR	18.10	4.85	9.75	13.49	7.13	4.48	4.03	10.12
JHALRAPATAN	JHALAWAR	6.29	3.73	4.59	5.45	-1.15	-0.67	-0.26	0.55
JHIRI	JHALAWAR	7.42	1.10	2.65	4.77	1.34	0.35	0.60	1.77
KARVAN KALA	JHALAWAR	-	6.69	9.83	12.22	0.00	-0.53	2.31	0.95
Krishanpura Chow	JHALAWAR	8.75	2.26	3.71	4.45	2.16	0.59	0.95	0.04
MANDAWAR1	JHALAWAR	10.54	0.63	1.78	4.44	5.19	0.40	0.98	1.79
MANOHAR THANA1	JHALAWAR	14.53	13.38	12.43	14.22	1.72	1.64	0.17	1.36
MISHROLI	JHALAWAR	9.79	3.15	4.58	6.98	4.68	2.20	3.57	2.85
SAREDI	JHALAWAR	16.90	12.76	12.96	12.41	7.79	8.60	3.60	2.85
BADAGAON	JHUNJHUNU	39.17	39.58	39.86	39.30	-6.83	-6.07	-6.39	-8.72
Birmi	JHUNJHUNU	40.08	39.15	37.73	39.18	-2.02	-2.35	-4.67	-1.15
CHOWARA	JHUNJHUNU	27.41	28.21	28.63	29.16	-10.99	-8.19	-8.48	-6.49
CHURELA	JHUNJHUNU	43.42	42.51	42.62	42.58	-2.73	-1.79	-2.18	-2.09
Devroad	JHUNJHUNU	66.71	66.97	67.43	67.00	-6.89	-6.83	-6.52	-7.62
Dighal	JHUNJHUNU	49.23	52.77	53.18	52.54	1.46	-6.33	-5.49	-1.26
JAISINGHPURA	JHUNJHUNU	45.02	44.97	-	45.06	-5.03	-4.88	0.00	-2.94
Likua	JHUNJHUNU	65.04	64.78	64.53	64.54	-6.96	-7.92	-8.58	-7.61
MANDASI SANDASI	JHUNJHUNU	51.09	50.98	51.24	51.63	4.39	-5.42	-4.46	-4.21
MANDRELA	JHUNJHUNU	49.77	51.31	51.40	52.43	-13.28	-9.14	-9.96	-3.57
Math	JHUNJHUNU	48.31	48.50	-	48.77	-1.59	0.28	0.00	-3.08
Morwa	JHUNJHUNU	70.39	69.61	69.54	69.28	-4.61	-7.51	-7.86	-8.82
PAPORANA	JHUNJHUNU	20.52	18.75	19.83	18.08	-1.28	-4.35	-3.77	-6.10
Shivpura1	JHUNJHUNU	-	70.42	-	-	0.00	-5.68	0.00	0.00
Arifa Kallan	JODHPUR	-	49.57	48.06	-	0.00	3.82	2.13	0.00
BALESAR_Pz	JODHPUR	-	2.80	-	-	0.00	-2.90	0.00	0.00
BAMBORE	JODHPUR	14.60	14.77	14.80	14.59	-0.20	0.06	0.31	-1.21
BAP1	JODHPUR	3.32	2.86	3.15	3.06	0.76	-0.07	-0.43	-1.14
BHAWI	JODHPUR	11.99	7.82	9.06	8.08	2.01	-0.12	-0.10	-1.06
BHIMKAM KAUR	JODHPUR	26.29	25.76	25.62	-	1.43	0.90	0.76	0.00
BUJAWAR	JODHPUR	25.19	23.05	21.84	23.77	4.25	2.51	0.90	2.80
CAZRI	JODHPUR	34.73	33.30	32.13	31.91	8.57	6.84	5.76	5.82
CHOPASNI NATH	JODHPUR	7.23	5.64	5.86	5.96	1.08	1.04	1.31	1.17
DANGIWAS	JODHPUR	11.12	10.42	10.44	11.10	-0.04	0.06	0.27	0.93
Darmi	JODHPUR	-	67.50	-	-	0.00	0.70	0.00	0.00
DEVATRA	JODHPUR	25.29	19.27	21.63	23.85	9.29	0.02	2.85	4.75
DHARMI	JODHPUR	62.01	61.21	60.21	-	2.92	-6.30	-7.30	0.00
DHAWA	JODHPUR	21.76	21.17	22.06	21.78	7.76	7.97	9.92	9.58
Dhirpura_Pz	JODHPUR	-	38.25	38.65	38.63	0.00	-1.43	-1.85	-2.27
Jambeshawar Nagar	JODHPUR	-	101.10	-	-	0.00	-6.44	0.00	0.00
JATYASANI	JODHPUR	21.70	21.18	22.19	22.06	1.40	1.20	2.19	1.86
JODHPUR	JODHPUR	8.11	8.08	8.07	7.66	2.37	0.35	0.33	0.07
KANGIK SIRDI	JODHPUR	22.97	24.96	-	25.95	-3.01	3.78	0.00	-5.13
KAPARDA	JODHPUR	16.20	12.92	13.05	-	-12.78	-16.06	-15.93	0.00
KAPURIA	JODHPUR	-	72.50	72.34	-	0.00	-4.81	-4.97	0.00
KARANI	JODHPUR	44.18	43.66	44.33	43.80	-2.87	-0.44	0.55	-0.08
KHUDALA	JODHPUR	30.93	30.31	30.17	28.07	1.73	-0.59	-0.61	-2.79
KOLU	JODHPUR	-	47.77	-	47.27	0.00	-19.46	0.00	-24.53
KUMARO KI DHANI	JODHPUR	35.20	35.28	34.37	35.19	-1.75	-0.67	-1.77	3.74
KURI1	JODHPUR	3.97	3.76	5.54	5.14	-0.98	0.01	2.39	1.96
LORDI	JODHPUR	29.12	32.03	30.07	29.21	-2.33	0.85	-0.54	-0.59
Lordiya	JODHPUR	-	24.60	-	-	0.00	6.05	0.00	0.00
MANDORE1	JODHPUR	16.25	14.84	11.78	13.06	7.41	6.75	3.57	5.12
MOGRA	JODHPUR	16.86	8.30	5.11	-	5.09	-8.56	-11.75	0.00
Nahar Singh Nagar	JODHPUR	-	42.90	-	-	0.00	0.75	0.00	0.00
NARAN KI DHANI	JODHPUR	39.73	39.68	39.97	39.90	-2.17	-1.66	-1.38	-1.45
NARNADI	JODHPUR	37.27	36.78	38.07	38.60	-4.73	1.48	4.54	5.05
Olvi	JODHPUR	-	27.55	-	-	0.00	-1.50	0.00	0.00
OSIAN1	JODHPUR	16.28	18.69	15.64	14.61	7.75	10.31	9.03	7.68
RAMRAWAS	JODHPUR	17.24	16.70	16.52	16.74	0.73	-0.11	-0.21	0.03
RARON KI DHANI	JODHPUR	34.38	33.81	33.58	34.48	-0.02	-5.42	-2.02	-2.02
SAJJARA	JODHPUR	4.73	4.37	4.40	4.77	0.51	0.19	0.15	0.50
SHERGARH1	JODHPUR	43.17	44.11	-	43.49	0.57	6.41	0.00	0.14
Umaidnagar	JODHPUR	-	75.70	-	-	0.00	-17.80	0.00	0.00
BADH KAMLA	KARAULI	10.28	8.40	9.18	10.17	1.63	0.05	3.38	4.12
BHAUAPURA	KARAULI	13.33	9.26	9.50	11.32	5.12	0.05	2.74	3.56
BIJALPUR	KARAULI	32.68	33.01	33.35	-	-1.38	-1.05	-0.71	0.00
Chainpur_Pz	KARAULI	-	12.10	-	14.68	0.00	-2.35	0.00	0.33

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Deeppura-Pz D	KARAULI	-	30.55	-	44.50	0.00	-0.65	0.00	8.60
Deeppura-Pz M	KARAULI	-	20.50	-	35.26	0.00	-10.86	0.00	0.96
GURLA1	KARAULI	19.98	17.88	17.96	18.50	-1.52	0.88	0.76	0.75
ISLAMPUR	KARAULI	10.83	7.51	8.30	8.76	2.68	2.16	5.35	5.01
KARSAI	KARAULI	14.88	13.76	14.22	15.34	1.83	0.56	1.92	2.19
KELADEVI	KARAULI	4.34	0.85	2.06	2.56	4.16	0.02	0.73	0.83
LANGRA	KARAULI	11.55	9.89	10.15	11.36	2.34	1.23	0.99	1.85
MANDRAL	KARAULI	30.64	28.72	29.79	29.97	10.77	10.68	-0.25	-0.53
NADAUTI	KARAULI	6.39	2.73	2.19	4.90	0.49	-3.87	-0.36	2.00
NAROLI DANG	KARAULI	18.28	16.29	18.28	-	0.75	-1.24	0.75	0.00
SAHAR1	KARAULI	10.51	9.50	9.69	8.54	2.45	0.84	2.83	1.03
SANKRA2	KARAULI	9.37	1.49	5.78	6.81	3.85	-4.01	2.68	3.41
SAPOTRA1	KARAULI	15.82	11.70	12.93	14.85	1.81	-1.46	-0.93	0.79
ALANIA	KOTA	11.34	1.49	3.71	6.74	2.48	0.59	-0.29	2.54
AYANA	KOTA	15.58	5.82	9.31	9.31	2.76	2.85	1.14	2.10
BORAWAS	KOTA	3.94	0.84	2.38	3.29	-0.41	0.67	1.88	2.69
DARA	KOTA	-	1.58	2.01	2.64	0.00	1.13	-1.04	0.84
DIGOD1	KOTA	2.01	1.04	1.47	1.37	0.53	0.24	0.57	0.54
GADEPAN	KOTA	2.76	0.88	1.63	1.61	0.12	-0.02	-0.27	0.26
GAINTA	KOTA	25.08	23.38	25.88	26.00	-0.99	1.52	4.92	2.64
GIRDHARPURA	KOTA	5.47	3.01	3.29	3.28	0.06	-0.50	-1.04	-0.53
GUDLI	KOTA	5.57	3.76	2.06	1.12	-0.52	-1.06	0.97	0.45
KESHAVPURA	KOTA	7.38	4.79	5.97	5.92	3.42	2.93	3.72	3.74
KHATOLI	KOTA	13.65	12.79	14.04	14.41	0.05	1.84	1.24	1.21
KHERARASULPUR	KOTA	9.85	3.90	6.23	5.85	1.64	0.27	0.00	-0.66
KOTA1	KOTA	6.26	5.67	5.63	5.51	1.63	1.36	1.97	1.64
MANDANA	KOTA	5.19	1.16	2.07	2.56	2.27	0.79	-0.31	-0.52
MANDAVRA	KOTA	12.03	11.15	11.34	12.11	2.86	4.27	9.62	3.51
RAJGARH1	KOTA	21.69	10.33	18.54	18.49	-1.37	0.68	0.16	0.14
RATTANPURA	KOTA	15.16	17.93	17.24	17.83	-2.55	0.58	-0.08	0.23
SULTANPUR	KOTA	2.99	2.34	2.64	-	-7.67	0.29	0.59	0.00
AMARPURA1	NAGAUR	-	26.16	-	-	0.00	0.00	0.00	0.00
BANKALIA	NAGAUR	27.27	25.94	25.13	25.72	0.83	2.92	2.11	2.70
BANTHRI	NAGAUR	50.07	50.21	50.20	-	0.07	0.21	0.20	0.00
BARANI	NAGAUR	55.58	54.74	55.00	53.88	-3.59	-3.53	-3.67	-4.82
BHOORIYASAM	NAGAUR	26.08	26.08	11.64	-	0.00	0.00	-14.44	0.00
CHAKDHANI	NAGAUR	35.98	35.78	36.27	36.21	-1.71	-1.43	-0.97	-1.08
CHHOTI KHATU	NAGAUR	33.98	28.87	26.75	28.71	7.63	8.87	5.95	7.93
CHILO	NAGAUR	33.69	33.48	34.11	33.54	0.39	1.00	1.59	0.99
CHOSLI	NAGAUR	41.58	41.37	42.81	42.91	-2.44	-3.35	-1.41	-1.61
DAULATPURA	NAGAUR	27.63	27.28	27.40	27.43	-2.30	-3.50	-3.29	-3.30
DEU	NAGAUR	51.66	51.52	52.12	52.49	-2.87	-2.56	-1.96	-1.93
DIDWANA1	NAGAUR	16.07	15.49	14.40	15.31	2.84	2.13	1.82	2.69
HARSOR	NAGAUR	9.89	7.13	5.59	-	-0.15	-5.31	-6.85	0.00
KALRU	NAGAUR	12.14	12.14	-	-	0.00	0.00	0.00	0.00
KATOTI	NAGAUR	50.34	50.13	50.39	-	-2.29	-2.50	-2.24	0.00
KERAP	NAGAUR	-	38.61	36.80	-	0.00	-4.68	-6.48	0.00
Kolia	NAGAUR	18.21	20.77	21.47	21.62	2.21	3.77	4.10	4.22
Kuchera	NAGAUR	48.65	49.25	52.02	49.75	-3.05	-0.53	2.12	0.85
MERTA CITY	NAGAUR	21.40	21.65	-	20.95	2.75	3.15	0.00	2.72
MUNDWA1	NAGAUR	-	71.24	-	-	0.00	0.00	0.00	0.00
NAGARI	NAGAUR	-	53.85	55.76	-	0.00	-3.78	-1.87	0.00
Nagaur1	NAGAUR	-	26.87	30.32	-	0.00	-2.48	0.49	0.00
PADMANIWAS	NAGAUR	5.54	5.16	5.07	5.04	0.97	0.49	0.39	0.37
PADUKALAN	NAGAUR	41.96	40.92	36.90	-	-0.90	-1.94	-5.96	0.00
PANCHORI	NAGAUR	-	57.17	-	-	0.00	35.14	0.00	0.00
PIPLAD	NAGAUR	-	23.00	-	-	0.00	0.00	0.00	0.00
RAGHUNATHPURA	NAGAUR	28.97	25.12	24.92	25.50	-2.64	0.80	-0.74	-0.66
RIAN	NAGAUR	43.62	41.77	39.89	41.77	2.55	7.27	2.67	2.45
SANGWA KI DHANI	NAGAUR	52.78	53.28	53.78	-	-2.29	-1.79	-1.29	0.00
SANWARD	NAGAUR	27.82	27.87	28.02	29.52	2.21	2.08	0.93	2.05
SINGHANA1	NAGAUR	29.80	29.34	28.64	30.45	-2.65	1.67	0.87	2.58
Balwana	PALI	7.12	4.71	5.03	5.65	-2.14	-0.94	-0.50	-3.16
BASSI1	PALI	12.33	11.14	11.08	11.50	-0.53	7.25	7.03	7.60
BIRAMI	PALI	16.23	12.75	15.39	-	4.88	-4.55	-3.71	0.00
GUNDOJ	PALI	8.91	6.05	7.26	8.86	2.01	2.45	2.06	1.31
HAJIWAS	PALI	12.22	11.60	10.28	11.49	4.75	0.55	2.46	3.66
JAITPURA	PALI	8.22	6.99	8.18	9.38	-1.75	1.37	1.33	4.16
KANAWAS	PALI	14.85	11.64	14.26	14.09	0.75	-0.96	1.69	1.47
KARIASODA	PALI	19.37	19.55	17.88	17.32	-0.61	3.60	1.91	1.32
KIRWA	PALI	20.09	9.15	11.59	-	4.34	2.85	0.89	0.00
NIMAJ	PALI	35.33	35.54	34.76	34.36	0.75	0.74	-0.74	-1.20
NIMBORNATH	PALI	3.85	3.34	3.67	3.41	0.31	1.25	1.04	0.27
PALI1	PALI	10.20	6.64	7.38	8.44	0.11	2.35	4.35	2.55
PERWA	PALI	11.68	7.36	6.43	8.44	4.43	0.36	-0.52	-1.31
PRITHIPURA	PALI	24.58	23.55	23.32	22.99	0.15	-1.64	1.80	1.44
RADAWAS	PALI	19.80	18.90	17.77	18.14	3.33	6.26	4.93	3.62
RAIPUR-I	PALI	6.68	4.17	5.30	5.63	1.93	2.17	1.20	1.53
ROHAT1	PALI	2.53	1.28	1.66	1.81	0.85	0.80	1.60	0.48
SANDERAO	PALI	8.84	5.85	6.70	-	-4.76	-3.55	-3.68	0.00

LOCATION	DISTRICT	Decadal Average Water Level in mbgl				Fluctuation (m) from Decadal Mean			
		MAY 04_13	AUG 04_13	NOV 04_13	JAN 05_14	May	Aug	Nov	Jan
SARDARSAMAD	PALI	7.74	7.81	6.99	6.96	1.19	1.76	0.91	0.90
SUMERPUR1	PALI	12.34	9.27	10.12	12.47	-3.21	0.69	3.17	1.67
VAED	PALI	11.03	8.03	8.88	9.57	0.09	2.60	1.10	0.54
Barawarda	PRATAPGARH	8.71	1.73	2.63	3.71	-6.03	0.95	0.41	1.81
Choti Sadri	PRATAPGARH	19.73	6.72	11.54	12.31	4.89	1.80	0.14	6.49
Dholapani	PRATAPGARH	4.43	1.38	2.15	3.23	-1.97	-0.15	0.40	1.27
Jawahar Nagar	PRATAPGARH	4.64	2.23	3.53	3.28	-1.36	0.83	-2.17	0.73
Lamba Dabra	PRATAPGARH	5.29	2.15	3.72	3.62	-0.26	0.00	1.69	0.72
Mohada	PRATAPGARH	-	2.78	5.25	-	0.00	-2.31	1.35	0.00
Mokhampura	PRATAPGARH	17.38	8.24	8.02	13.68	2.78	2.34	2.72	7.13
Mungna	PRATAPGARH	10.34	3.38	6.97	8.38	-1.77	-1.59	-1.24	2.03
Ninor	PRATAPGARH	10.04	1.12	4.23	4.93	0.99	-0.69	0.95	0.47
Ninor	PRATAPGARH	10.04	4.05	4.23	4.93	0.99	-0.84	0.95	0.47
Peepalkhoont	PRATAPGARH	9.19	4.09	5.56	6.74	-4.03	-5.64	-5.53	-5.93
Pratapgarh	PRATAPGARH	7.60	3.32	5.93	-	-1.65	-1.10	-0.97	0.00
Suhagpura	PRATAPGARH	9.97	1.71	4.60	6.46	-3.08	0.31	3.40	-3.10
Bagar1	RAJSAMAND	11.90	9.69	-	9.95	4.00	5.68	0.00	-1.55
BAGHANA	RAJSAMAND	14.07	9.22	8.02	10.34	0.11	0.76	0.36	0.53
BALI1	RAJSAMAND	8.79	7.24	6.00	8.96	-1.21	0.22	1.96	-0.79
BARAR	RAJSAMAND	12.60	6.68	6.75	10.26	-1.58	1.60	1.47	-1.54
BHIM1	RAJSAMAND	12.07	7.24	-	8.15	1.37	0.89	0.00	-0.91
CHATTARPUR	RAJSAMAND	16.11	11.31	12.17	-	2.78	3.67	5.87	0.00
DEWAIR	RAJSAMAND	12.59	7.17	7.11	18.29	1.49	2.92	4.31	11.84
DOWAS	RAJSAMAND	6.37	1.73	3.61	3.33	1.05	-1.19	-6.26	1.21
GAVERDI	RAJSAMAND	12.27	12.15	10.58	10.46	1.72	6.29	2.48	2.41
GHATO1	RAJSAMAND	12.53	7.87	-	9.26	-3.07	5.77	0.00	2.66
GUGLI	RAJSAMAND	16.27	10.89	10.72	12.12	2.30	-1.38	7.83	-8.35
JHILWARA	RAJSAMAND	14.53	10.79	11.41	12.62	2.44	-2.35	-1.03	2.68
KALWANA	RAJSAMAND	11.09	5.30	5.96	7.55	-1.86	0.90	1.36	-1.55
KANCHOLI	RAJSAMAND	10.19	5.53	4.09	6.37	-0.36	-2.28	0.14	1.09
KELWARA	RAJSAMAND	5.99	4.29	3.36	4.40	-1.30	-0.21	0.57	0.71
KHAMNOR1	RAJSAMAND	13.81	9.33	7.89	11.01	-2.74	-1.87	-0.96	-3.44
KHANDEL1	RAJSAMAND	-	9.65	9.51	8.77	0.00	-6.91	-5.13	-7.47
KITELA	RAJSAMAND	12.17	7.45	8.30	8.73	0.96	2.84	2.64	1.57
MANSINGH KAGURA	RAJSAMAND	8.50	5.83	5.35	6.83	0.54	3.22	2.74	4.47
MOKAMPURA	RAJSAMAND	10.44	6.19	6.20	7.82	-4.43	2.60	3.49	4.32
NADIAWALA	RAJSAMAND	15.31	11.37	11.01	13.04	-5.88	-7.07	-5.68	-2.20
ODA1	RAJSAMAND	6.81	3.83	2.30	4.64	2.28	1.49	0.97	2.31
ODAN	RAJSAMAND	7.21	3.74	3.90	5.37	0.22	0.75	1.31	1.87
RAILMAGRA1	RAJSAMAND	13.08	9.26	-	-	-7.04	-10.86	0.00	0.00
RAJSAMAND	RAJSAMAND	14.99	7.62	12.41	12.76	3.12	0.53	3.49	7.74
SANGET	RAJSAMAND	15.86	10.23	9.72	12.61	-3.43	-7.51	-0.47	-0.33
Sheron Ka Bala	RAJSAMAND	11.00	5.20	5.01	6.53	2.58	3.31	2.92	3.39
THIKARWAS	RAJSAMAND	11.20	8.48	7.51	8.78	1.24	1.72	4.65	-0.58
BAMNAWAS	SAWAI MADHOPUR	8.39	6.08	5.85	6.14	0.77	2.46	2.83	2.67
BHADOTI	SAWAI MADHOPUR	12.77	10.92	10.34	11.19	2.61	5.56	2.23	2.91
BODAL	SAWAI MADHOPUR	8.70	5.00	5.26	6.95	1.75	3.26	-0.43	1.45
BONALI	SAWAI MADHOPUR	8.43	6.06	5.83	8.92	2.47	2.00	-0.41	3.15
CHANN	SAWAI MADHOPUR	20.91	14.83	16.30	14.26	10.09	4.38	3.22	2.36
GANGAPUR2	SAWAI MADHOPUR	7.44	2.98	3.85	4.58	4.69	-0.23	0.80	1.18
HINDWAR	SAWAI MADHOPUR	13.96	13.02	12.32	11.67	6.63	8.44	6.47	2.22
KHANDAR1	SAWAI MADHOPUR	15.35	8.71	10.15	12.51	4.89	1.15	1.32	0.95
KUSHTALA	SAWAI MADHOPUR	-	9.22	10.96	9.76	0.00	4.88	2.70	6.75
MALARNACHOR	SAWAI MADHOPUR	5.40	1.41	2.39	3.28	-0.10	0.52	1.40	2.21
MEENAPARA	SAWAI MADHOPUR	14.25	14.89	14.82	14.06	1.50	8.82	0.15	-0.97
MORAL TIWARA	SAWAI MADHOPUR	11.51	6.18	8.02	8.68	3.26	-1.42	1.82	-1.47
PHARIYA	SAWAI MADHOPUR	13.72	12.28	13.19	12.79	1.78	4.99	3.00	1.00
PIPLAI	SAWAI MADHOPUR	10.07	9.72	9.74	9.15	1.68	1.68	2.00	0.66
RANTHAMBOR	SAWAI MADHOPUR	10.82	8.91	8.69	8.42	3.27	2.06	2.36	1.72
SEWA	SAWAI MADHOPUR	6.42	3.86	4.99	6.52	-1.16	-2.08	-0.24	0.64
TOND	SAWAI MADHOPUR	7.25	2.88	4.91	5.14	1.41	-0.16	3.47	2.54
Anokh_Pz	SIKAR	-	60.80	-	63.85	0.00	-1.90	0.00	-1.70
BAI2	SIKAR	14.45	15.35	14.36	14.85	-2.09	-2.01	-2.18	-2.18
BALARAN	SIKAR	-	46.49	-	-	0.00	6.14	0.00	0.00
Barala	SIKAR	-	2.05	-	-	0.00	0.25	0.00	0.00
Bau	SIKAR	60.16	61.37	-	-	-7.14	-6.63	0.00	0.00
BINJYASI	SIKAR	49.90	49.70	50.31	-	-7.43	-9.16	-5.52	0.00
CHINCHAS	SIKAR	47.15	48.24	47.61	47.95	-1.57	-0.99	-0.53	-2.70
Datunjala	SIKAR	50.71	51.13	51.92	51.19	-1.84	-1.72	-0.18	-2.14
Dhadhliawas	SIKAR	38.40	40.10	39.58	39.67	-6.40	-5.48	-4.05	-5.56
DHOD	SIKAR	60.82	61.18	61.90	-	-8.44	-9.62	-7.09	0.00
FATEHPUR	SIKAR	44.53	44.94	44.71	44.96	3.86	3.36	4.54	3.59
Garoda	SIKAR	40.85	40.84	40.92	40.61	-0.88	0.84	-0.34	-1.99
GHANA	SIKAR	55.01	54.77	54.62	-	-3.93	-6.23	-3.68	0.00
GOKALPURA	SIKAR	47.78	48.49	48.74	-	-8.66	-11.06	-7.66	0.00
Goriya	SIKAR	17.58	17.53	17.58	18.01	-8.12	-8.92	-8.02	-7.57
JAJOD	SIKAR	50.06	49.84	49.86	50.49	-1.23	-2.66	-6.27	-1.59
KARANPURA	SIKAR	62.74	63.14	63.07	63.13	-5.31	-5.56	-4.71	-4.97
Khatu Shyamji	SIKAR	17.70	18.74	17.77	18.43	-6.50	-4.81	-6.93	-6.42
Lampura	SIKAR	37.83	41.08	-	-	-15.84	-11.17	0.00	0.00

LOCATION	DISTRICT	Decadal Average Water Level in mbgl				Fluctuation (m) from Decadal Mean			
		MAY 04_13	AUG 04_13	NOV 04_13	JAN 05_14	May	Aug	Nov	Jan
Mandha	SIKAR	36.61	36.25	35.47	36.51	-7.19	-9.45	-13.03	-9.58
Nani	SIKAR	52.47	52.10	51.85	53.28	-4.43	-5.67	-5.15	-4.08
Nathusar	SIKAR	19.52	22.23	23.22	26.18	-11.98	-9.85	-7.88	-5.77
NECHWA	SIKAR	39.13	39.90	39.05	34.83	-2.57	-2.80	3.65	-0.96
PALSANA	SIKAR	42.51	41.21	42.05	40.89	-0.34	-3.29	-4.54	-5.65
PATAN	SIKAR	13.61	9.82	11.55	12.05	-2.51	1.00	2.13	0.91
PIPRALI	SIKAR	52.25	51.34	-	50.81	-8.71	-9.52	0.00	-8.77
RASHIDPURA	SIKAR	64.36	63.93	64.39	64.62	-9.17	-10.81	-19.61	-14.70
ROHALSOBHSAR	SIKAR	35.50	35.54	35.82	34.97	-0.53	-1.53	-0.63	-13.38
Sabalpura	SIKAR	56.84	56.94	57.37	57.39	-8.16	-8.76	-8.63	-14.27
AMBESHWARJI	SIROHI	5.98	4.09	5.08	4.91	1.04	3.11	3.28	1.38
BARLOT	SIROHI	23.69	20.53	22.57	-	2.62	6.49	3.53	0.00
GULABGANJ	SIROHI	11.34	7.54	7.56	9.17	-2.21	-3.54	-0.41	-2.82
JIRAWAL	SIROHI	22.39	15.88	15.74	19.16	-1.72	2.26	4.01	3.80
KALANDRI	SIROHI	12.74	8.13	9.67	11.00	-1.94	-6.73	-4.41	0.02
Manpur2	SIROHI	6.18	20.15	13.65	11.42	-1.53	12.66	5.78	1.35
MOUNT ABU	SIROHI	-	2.91	3.54	5.11	0.00	-1.52	0.15	1.17
Mungthalla	SIROHI	-	8.39	9.47	8.57	0.00	2.19	3.37	1.22
PALRI	SIROHI	14.94	10.82	7.51	13.91	-2.13	6.47	1.16	0.84
Palri1	SIROHI	-	45.80	-	-	0.00	9.00	0.00	0.00
Posaliya	SIROHI	-	12.91	14.92	17.39	0.00	-20.59	-17.68	-14.98
SARUPGANJ	SIROHI	15.80	5.08	9.20	-	-2.88	-6.99	-8.86	0.00
SIROHI	SIROHI	13.50	7.25	6.73	9.01	-0.21	-7.87	-6.99	-8.10
SIYANA	SIROHI	8.88	7.31	8.53	7.48	0.30	0.45	1.96	0.00
ALIGARH	TONK	22.70	13.06	7.28	13.19	7.10	5.02	-5.91	-2.10
ARNIYALMAL	TONK	7.66	5.96	6.99	7.08	4.54	4.01	3.89	5.03
BANTHOLI	TONK	9.14	7.82	9.00	9.77	0.74	1.63	1.50	1.79
DEWAL1	TONK	5.69	3.02	-	3.59	-1.11	1.42	0.00	0.64
DIKOLIYA	TONK	5.97	9.01	11.22	11.08	0.34	7.50	9.23	8.69
Ghans	TONK	-	1.91	-	-	0.00	0.01	0.00	0.00
HAMIRPUR	TONK	8.79	6.77	6.95	8.74	4.29	3.09	0.22	4.11
JAINAGAR	TONK	-	11.62	12.91	-	0.00	3.38	3.16	0.00
JAISINGHPUR	TONK	5.94	4.72	5.01	5.78	2.37	3.34	3.07	3.43
MAHUVA	TONK	9.96	8.79	8.53	9.61	4.57	5.05	4.52	5.52
MALPURA1	TONK	11.06	11.48	9.08	7.72	8.46	10.43	7.15	4.85
MANDIAWAS	TONK	20.39	19.90	20.13	-	4.70	4.10	3.79	0.00
NAYAGAON	TONK	6.63	5.32	5.71	-	3.32	4.06	2.80	0.00
NIWAI1	TONK	24.90	19.23	18.99	25.15	-6.55	-4.10	-6.81	1.30
RAMTHALA	TONK	-	2.87	-	3.70	0.00	1.96	0.00	2.29
SOHELA	TONK	9.83	7.53	8.24	8.52	1.93	4.93	4.32	6.02
Sop1	TONK	17.11	9.52	13.06	15.20	2.82	7.94	7.21	7.55
TODARAISINGH1	TONK	2.31	1.30	2.94	3.06	0.26	0.31	1.70	1.56
AMALIA	UDAIPUR	7.70	3.60	3.22	5.11	-1.35	-3.60	-0.13	-1.54
ARAMPURA	UDAIPUR	4.40	0.94	-	2.54	-1.15	0.74	0.00	0.64
BASSI	UDAIPUR	-	3.71	0.94	1.42	0.00	3.61	-0.16	0.42
BHATEWAR	UDAIPUR	6.79	3.06	2.89	3.75	-2.70	-3.58	1.05	-3.29
BHINDER	UDAIPUR	14.30	8.51	11.15	13.08	1.40	-6.22	-2.19	-0.97
Bhinder_Pz	UDAIPUR	11.39	7.74	8.02	9.09	-0.56	0.94	-0.37	-1.68
BHOYANA	UDAIPUR	8.10	4.19	4.34	5.79	-4.85	-3.49	0.24	-2.56
CHIRWA	UDAIPUR	-	3.35	4.66	5.58	0.00	-3.04	-0.59	-1.37
DEOLA	UDAIPUR	3.83	2.04	-	2.67	-0.82	0.83	0.00	0.18
Devgaon1	UDAIPUR	4.13	1.21	1.03	1.33	-2.82	-1.14	0.48	-0.67
DINGRI	UDAIPUR	4.29	1.46	1.09	1.68	-1.64	0.58	-0.29	0.63
GADOLI	UDAIPUR	8.12	4.43	4.45	6.25	-1.13	-0.60	0.77	0.37
GUREL	UDAIPUR	7.40	3.12	5.96	3.49	-8.09	2.17	4.17	1.60
HARIYAB	UDAIPUR	16.36	7.36	7.63	9.43	-3.12	5.53	2.80	7.19
INTALIKHARA	UDAIPUR	6.56	2.07	2.33	2.61	0.76	-0.20	-0.57	-0.06
JASWANTGARH	UDAIPUR	11.02	7.72	8.07	10.85	-3.63	-3.48	2.07	0.80
KALAYANPURA	UDAIPUR	4.10	3.66	3.80	4.04	-1.29	0.12	-0.04	0.00
KANOD	UDAIPUR	8.41	5.63	4.72	5.82	-1.64	-2.87	-0.68	0.27
KANPUR	UDAIPUR	8.81	3.79	3.21	5.60	-0.90	1.63	1.55	-0.71
KATHAR1	UDAIPUR	3.34	1.90	2.10	2.73	-0.91	-0.85	0.60	0.23
KHAIRKA	UDAIPUR	-	2.22	3.15	-	0.00	-2.98	1.65	0.00
KHERODA	UDAIPUR	27.38	19.37	25.92	25.33	4.53	-1.33	7.12	-0.02
KHERWARA	UDAIPUR	6.61	2.98	3.35	4.92	-1.25	0.59	1.09	1.11
KHOLRI	UDAIPUR	9.00	6.28	5.01	6.53	-2.95	-0.24	-1.89	-0.95
KHUNTA	UDAIPUR	4.77	1.99	-	-	-1.48	-0.17	0.00	0.00
Koliyari1	UDAIPUR	3.71	1.11	2.03	2.62	0.36	-5.00	0.98	-4.18
KURABAR	UDAIPUR	14.03	7.21	8.97	10.43	-1.49	-3.40	-1.40	-1.96
LUNIYARA	UDAIPUR	8.48	6.79	7.47	8.80	-1.81	-1.75	0.13	0.16
MANPURA	UDAIPUR	7.97	4.35	5.97	6.29	-1.31	-0.50	-0.81	-0.07
MAVLI1	UDAIPUR	19.16	14.11	12.65	14.74	1.11	-1.55	3.25	-2.06
PADAWALI	UDAIPUR	6.89	3.51	5.30	5.90	-0.06	1.25	-1.15	1.50
PADUNA	UDAIPUR	5.12	2.03	2.74	3.06	-1.25	-0.32	1.12	-0.37
PAI	UDAIPUR	14.46	4.53	7.03	8.56	-0.39	-4.12	2.48	-5.79
PARSHAD	UDAIPUR	6.30	3.34	3.59	5.24	-0.50	0.54	0.19	-0.41
PUNAWALI	UDAIPUR	10.51	5.57	5.85	6.83	-2.71	-0.45	3.63	1.91
Ramgiri(badagaon)	UDAIPUR	14.40	9.35	9.49	11.51	8.00	5.05	7.94	6.36
SALUMBER1	UDAIPUR	8.64	5.48	5.74	6.48	-2.09	-1.58	-0.74	-1.01
SARADA	UDAIPUR	12.00	9.13	7.20	7.86	5.35	0.23	0.05	-0.64

LOCATION	DISTRICT	Decadal Average Water Level in mbgl				Fluctuation (m) from Decadal Mean			
		MAY 04_13	AUG 04_13	NOV 04_13	JAN 05_14	May	Aug	Nov	Jan
SAVINA	UDAIPUR	6.09	4.27	3.43	4.62	1.94	1.32	-0.49	0.96
SEMRI	UDAIPUR	5.26	3.16	3.03	3.37	1.91	1.26	0.63	1.12
Sisarma	UDAIPUR	-	6.53	6.14	8.17	0.00	-2.87	1.01	-3.08
SOM1	UDAIPUR	10.60	5.56	7.44	8.77	-1.37	-4.30	0.63	0.41
SRIMALI KI KARIA	UDAIPUR	11.20	3.47	3.79	4.56	3.20	-2.04	3.64	-1.74
UNDRI	UDAIPUR	7.52	2.64	3.88	6.22	5.27	0.84	-0.57	3.42

Annexure - 3 Chemical analysis results of collected samples during NHS monitoring 2014-15 :-

S.No.	Well No.	Location	Block	District	pH	EC in µS/cm at 250C	CO3	HCO3	Cl	SO4	NO3	PO4	TH	Ca	Mg	Na	K	F	Fe	SiO2	TDS
1	45J-4D1	KALYANPURA	Kekri	Ajmer	8.89	1940	24	380	395	30	30.00	0.06	440	36	85	250	3.10	8.30	0.50	8	1261
2	45N-4A3	BARORA	Arain	Ajmer	8.30	900	0	302	120	10	42.00	0.03	210	44	24	120	1.10	3.32	1.16	8	585
3	45J-3C3	NASIRABAD	Srinagar	Ajmer	8.13	1120	0	268	205	5	110.00	0.09	410	60	63	92	1.10	2.00	1.00	4	728
4	45J-5C3	JHOPADIYAN	Masuda	Ajmer	7.75	4020	0	183	1278	152	3.00	0.19	1620	280	224	230	1.40	1.90	0.20	10.2	2613
5	45J-3D1	KANPUR	Arain	Ajmer	8.68	400	12	120	64	36	40.00	0.04	220	48	24	28	1.10	1.28	0.18	9	260
6	45N-4A6	AJAGARA	Kekri	Ajmer	8.22	3310	0	602	799	45	20.00	0.20	340	44	56	620	2.40	1.25	2.10	16.2	2152
7	45O-1A1	KEKRI	Kekri	Ajmer	8.29	1330	0	380	220	10	55.00	0.37	580	112	73	48	1.10	1.25	0.30	7	865
8	45K-1A5	BAGLIAS	Jawaja	Ajmer	8.00	3550	0	427	905	165	6.00	2.20	760	100	124	480	3.70	1.10	0.92	15.3	2308
9	45K-1C3	LUDIYANA	BHINAI	Ajmer	8.11	1120	9	366	178	20	6.00	0.03	310	40	51	130	1.70	1.10	1.36	8	728
10	45J-3D2	RAMSAR	Srinagar	Ajmer	8.21	680	0	232	78	20	20.00	0.16	240	56	24	46	1.00	0.90	0.90	5	442
11	45J-4B5	M. KA BADIYA	Masuda	Ajmer	7.73	1950	0	122	532	160	6.00	0.03	720	100	114	140	2.30	0.85	0.60	9	1268
12	45K-1A2	JAWAJA	Jawaja	Ajmer	8.10	1400	0	305	234	160	3.00	0.18	250	48	32	230	1.70	0.80	4.90	11	910
13	45J-4B3	LAMANA	Pisangan	Ajmer	8.59	2060	60	549	298	40	69.00	0.73	220	44	27	390	1.00	0.80	0.50	8.6	1339
14	45J-4B4	PAKHRIAWAS	Masuda	Ajmer	8.58	390	12	60	71	5	40.00	1.40	150	60	0	28	1.10	0.80	0.90	6	254
15	45J-4B2	NARBADKHERA	Pisangan	Ajmer	8.50	1000	36	260	142	10	40.00	0.29	190	40	22	150	1.40	0.60	1.60	12	650
16	45O-1A2	SANPLA	Kekri	Ajmer	7.98	6170	0	500	1520	440	145.00	0.24	820	56	165	1060	4.80	0.60	1.20	15.6	4011
17	45J-4D3	GOELO	Kekri	Ajmer	8.84	3760	120	1013	639	5	2.00	0.16	300	52	41	750	7.80	0.50	0.25	12	2444
18	45N-4A4	SARWAD	Kekri	Ajmer	8.51	910	36	232	35	180	10.00	0.04	250	48	32	115	2.10	0.50	0.50	6	592
19	45N-3A2	DASUK	Arain	Ajmer	7.94	860	0	210	110	20	120.00	0.03	350	56	51	45	1.00	0.30	3.10	10	559
20	45O-1A3	BOGLA	Kekri	Ajmer	8.40	710	12	173	54	150	1.00	0.85	310	84	24	40	1.10	0.25	0.60	6.3	462
21	45J-4C2	MASUDA	Masuda	Ajmer	8.20	2530	0	281	680	30	140.00	0.03	350	100	24	450	4.30	0.25	1.30	8.5	1645
22	54A 1D2	HASANPURA	TIJARA	Alwar	8.51	1860	72	256	362	55	15.95	0.02	190	40	22	344	0.60	9.32	3.09	12.6	1209
23	54A 2D1	RAMGARH	RAMGARH	Alwar	8.15	1840	0	537	284	52	17.25	0.02	260	44	36	300	6.80	3.58	0.14	12	1196
24	53D4C2A	BOLNI	NEEMRANA	Alwar	8.41	1500	24	98	305	180	25.71	0.02	110	16	17	303	0.60	2.85	1.17	11	975
25	54A 4B2	TORKIKABAS	THANAGAAZI	Alwar	8.32	1300	48	195	142	232	4.14	0.01	400	64	58	134	3.00	2.24	0.80	8	845
26	54A 3D2	LACHMANGARH	GOVINDGARH	Alwar	8.42	3270	168	464	540	228	13.62	0.01	210	32	32	674	1.90	1.66	1.45	11.2	2126
27	54A1B6A	NEEMRANA	NEEMRANA	Alwar	8.35	2300	60	122	298	490	30.95	0.02	520	80	78	294	1.40	0.85	0.64	10.3	1495
28	New	HARSAULI	KOTKASSIM	Alwar	8.38	1100	72	305	107	4	33.00	0.04	240	48	29	144	0.80	0.83	1.66	15	715
29	54A 1D3	NIMLI	TIJARA	Alwar	8.21	3600	0	562	600	450	30.00	0.02	220	32	34	728	1.80	0.80	3.34	14	2340
30	54A 4B1	TEHLA	RAJGARH	Alwar	8.17	900	0	403	64	40	14.02	0.03	390	64	56	40	1.70	0.78	1.09	10	585
31	54A 2D5	NOGAONWA	Ramgarh	Alwar	7.74	2200	0	561	319	52	159.00	0.02	210	40	27	408	0.70	0.54	0.20	10.2	1430
32	53D 4D1A	TAPOOKARA	TIJARA	Alwar	8.15	680	0	61	106	94	46.59	0.01	230	36	34	50	1.70	0.38	-	8	442
33	New	DOULATPUR	Umrain	Alwar	8.45	1100	24	317	128	70	6.00	0.02	200	32	29	164	4.40	0.37	3.78	14	715
34	New	JOSAI	MANDAWAR	Alwar	8.52	840	48	146	103	58	16.97	0.01	190	32	27	107	1.40	0.23	0.44	11.2	546
35	New	RAMBAS	Govindgarh	Alwar	8.12	1200	0	403	36	168	47.26	0.04	270	40	41	151	0.80	0.17	1.57	10.2	780
36	54A 2C5	DALALPUR	UMRAIN	Alwar	8.66	1640	48	268	199	208	20.59	0.01	310	44	49	232	2.40	0.16	0.17	12	1066
37	54A 4B3	GHATA MORDI	THANAGAAZI	Alwar	8.54	600	48	146	28	56	1.45	0.01	260	36	41	18	2.10	0.15	5.19	6	390
38	54A 1C9	KISHANGARH BAS	KISHANGARH BAS	Alwar	8.51	860	48	110	113	76	25.00	0.02	200	28	32	106	1.80	0.15	0.43	10.2	559
39	New	BARODA MEO	LAXMANGARH	Alwar	8.35	2500	144	244	454	170	37.89	0.03	120	36	7	523	1.30	0.02	0.85	12	1625
40	46I-3B7	BARODIA	Talwara	Banswara	8.00	620	0	340	28	25	6.00	0.30	310	60	39	20	1.00	1.60	3.10	9	403
41	46I-4B2	CHOTA DUNGRA	Sajjangarh	Banswara	7.90	890	0	525	35	42	20.00	0.03	500	72	78	20	1.00	1.33	0.23	5.8	579

S.No.	Well No.	Location	Block	District	pH	EC in µS/cm at 250C	CO3	HCO3	Cl	SO4	NO3	PO4	TH	Ca	Mg	Na	K	F	Fe	SiO2	TDS
42	46I-3B4	Bagidora	Bagidora	Banswara	8.10	920	0	427	71	10	42.00	0.03	400	104	34	46	1.00	1.20	-	8.8	598
43	New	Danpur	Pipalkhunt	Banswara	8.00	1580	0	580	213	5	20.00	0.03	750	180	73	25	1.00	1.00	0.13	10	1027
44	46I-3B2	RAKHO	Bagidora	Banswara	7.80	400	0	232	43	50	35.00	0.04	290	80	22	21	1.00	0.98	0.21	4.3	260
45	46I-2B1	Banswara	Talwara	Banswara	7.95	1080	0	289	105	60	135.00	2.20	470	168	12	43	1.00	0.80	2.25	8	702
46	46I-2B5	CHANDUJIKAGUDA	Ghatol	Banswara	8.00	780	0	410	35	34	20.00	0.11	350	48	56	42.1	1.00	0.79	0.26	5.2	507
47	New	Kutumbi	Pipalkhunt	Banswara	7.60	450	0	195	35	40	12.00	0.20	200	48	19	30	1.00	0.75	0.33	5	293
48	46I-2B9	Wajwana	GARHI	Banswara	7.90	1500	0	268	178	310	10.00	0.05	310	100	15	230	1.00	0.70	1.07	10	975
49	46I-3A1	ARTHUNA	Garhi	Banswara	8.00	1080	0	350	180	20	50.00	0.02	560	120	63	20	1.00	0.60	2.10	10.2	702
50	46I-4B5	Bhura Kua	Sajjangarh	Banswara	7.90	550	0	320	35	15	15.00	0.20	300	80	24	20	1.00	0.49	0.19	6	358
51	46I-4B1	KUSALGARH	Kushalgarh	Banswara	7.40	580	0	310	57	25	25.00	0.16	350	120	12	16	1.00	0.32	0.42	6	377
52	46I-2C2	BHUNGRA	Pipalkhunt	Banswara	8.00	720	0	415	43	8	20.00	0.12	390	140	10	18	1.00	0.28	3.70	7	468
53	New	KUSALGARH	Kushalgarh	Banswara	7.80	1305	0	440	163	40	22.00	0.04	350	100	24	140	1.00	0.20	0.40	8	848
54	46I-1B1	DUNGARIA	Ghatol	Banswara	8.10	890	0	360	71	20	95.00	0.05	450	152	17	20	1.00	0.09	-	12	579
55	54C-4C3	BOTH	Anta	Baran	8.23	1020	0	459	85	14	30.00	-	370	36	68	75	3.00	0.63	0.12	28	663
56	54C-3C1	MANGROL	ANTA	Baran	8.43	1595	24	281	106	432	37.00	-	400	28	80	228	5.00	0.58	0.85	23	1037
57	54C-4B1A	Barkherdi(ANTA)	BARAN	Baran	7.80	2460	0	268	71	1122	19.00	-	1080	280	92	192	7.00	0.53	0.13	38	1599
58	54C-4C4A	Bansthooni	KISHANGANJ	Baran	8.16	610	0	305	28	5	15.00	3.46	230	36	34	24	21.00	0.48	0.15	17	397
59	54C-4B1	BARAN	BARAN	Baran	8.10	4780	0	439	823	1224	84.00	-	1000	68	202	853	8.00	0.37	0.12	34	3107
60	54C-3B2	URPURIA	Anta	Baran	7.95	3220	0	317	660	165	378.00	-	870	28	195	366	3.00	0.37	0.25	38	2093
61	54C-4D2	KELWARA	KASBATHANA	Baran	8.29	1220	0	561	128	33	15.00	0.50	390	64	56	107	51.00	0.33	0.20	18	793
62	54G-4B1	KASBATHANA	SHAHBAD	Baran	7.90	810	0	244	121	20	54.00	-	320	48	49	52	5.00	0.29	1.40	26	527
63	54C-3C1	Memoni		Baran	8.42	267	6	98	21	15	17.00	-	130	48	2	5	9.00	0.29	0.96	19	174
64	54E-4A2	SHAHBAD	SHAHBAD	Baran	8.15	630	0	342	28	8	6.00	-	240	68	17	25	32.00	0.28	3.20	38	410
65	45B-4c2	Kalyanpura	Balotra	Barmer	8.25	12200	0	1165	2630	1540	91.00	0.72	810	77	150	2538	24.00	6.50	-	24	7930
66	40k-1b1	Nopat	sheo	Barmer	8.34	780	24	98	92	141	80.00	0.05	280	32	49	84	7.60	3.82	1.92	17	507
67	40K 2D2	BHACHHBAR	BARMER	Barmer	8.75	7900	24	671	1385	882	167.80	0.01	1300	240	170	1218	15.90	2.50	0.01	22	5135
68	40O 2B3	RADEWANMRD	SHEO	Barmer	8.75	1610	84	195	270	86	36.67	0.01	280	36	46	243	0.90	2.16	-	22.3	1047
69	40k-2c1	gadra road	sheo	Barmer	8.04	3400	0	671	639	241	1.10	0.22	300	60	36	643	10.80	1.92	0.24	10	2210
70	40O 2A1	PATRASAR	BARMER	Barmer	8.26	2150	60	464	298	170	17.23	0.02	460	64	73	292	3.80	1.91	0.03	22.6	1398
71	45C-2C1	DEVRA	Siwana	Barmer	7.81	9210	0	586	2021	1502	79.00	0.12	1000	148	153	1825	5.00	1.90	0.09	52	5987
72	40P-1A3	THOB	Balotra	Barmer	7.69	1920		305	458	75	15.00	0.04	319	40	53	298	23.00	1.80	0.07	22	1248
73	40k-1a1	pachla	sheo	Barmer	7.75	8050	0	347	2075	850	12.00	0.10	910	144	134	1463	23.00	1.40	7.20	46	5233
74	45B-4C1	DOLI	Pachpadra	Barmer	7.90	5837	0	573	1172	720	57.00	0.01	600	120	73	961	185.00	1.30	0.03	21.3	3794
75	40O 2A3	KHAREEN	BARMER	Barmer	8.16	4300	0	915	887	94	114.80	-	450	60	73	803	2.20	1.26	nr	12.2	2795
76	40O 1C6	PIPALIGAON	DHORIMANNA	Barmer	8.37	7600	60	183	1500	1256	155.18	0.08	900	140	134	1328	13.40	1.24	nr	22.6	4940
77	40O 1A5	SUTHARON KI DHANI	BARMER	Barmer	7.96	3300	0	366	639	226	268.00	0.01	540	104	68	509	10.20	1.08	0.03	13	2145
78	40O 2B4	SANSION KA KUA	BARMER	Barmer	7.90	4900	0	671	888	512	137.27	0.01	750	100	122	775	15.00	1.06	0.01	14	3185
79	40O 2A4	JASAI	BARMER	Barmer	8.03	1300	0	488	99	88	21.82	0.00	440	52	75	99	0.90	1.01	0.85	15	845
80	40O 1A3	SINHANI	BARMER	Barmer	8.22	2004	60	512	206	84	132.72	0.01	540	92	75	216	2.00	1.01	1.55	11.2	1303
81	40O 3B2	PADMANIYON KA TALA	DHORIMANNA	Barmer	8.45	3150	32	146	568	526	58.46	0.01	580	72	97	455	4.60	0.95	-	20.2	2048
82	40O 1A2	BISALA	barmer	Barmer	8.29	5000	120	549	604	938	100.00	0.02	1400	220	207	522	24.20	0.94	0.06	26	3250
83	40n-4a2	Mungeri	sheo	Barmer	7.68	2700	36	238	302	700	30.00	0.20	370	68	49	496	1.00	0.88	0.12	10	1755

S.No.	Well No.	Location	Block	District	pH	EC in µS/cm at 250C	CO3	HCO3	Cl	SO4	NO3	PO4	TH	Ca	Mg	Na	K	F	Fe	SiO2	TDS
84	40O 2B1	BARMER	BARMER	Barmer	8.17	4850	0	305	462	605	846.40	0.01	1100	120	195	450	270.00	0.72	0.04	25	3153
85	45 C 3A2A	ARNIYALI	SINDRI	Barmer	8.08	8800	0	939	1980	810	42.32	-	460	76	66	1825	8.90	0.71	0.01	29.5	5720
86	40O 1A1	DERASAR	SHEO	Barmer	7.61	2300	0	412	353	100	101.00	0.01	640	72	112	250	4.10	0.68	nr	10	1495
87	40O 4C3	KOTHLA	DHORIMANNA	Barmer	8.12	6630	0	305	852	1718	88.95	0.01	1350	220	195	901	7.50	0.66	0.04	15	4310
88	40O 3B1	SANAWARA	BARMER	Barmer	8.38	6600	60	366	816	1608	88.95	0.02	1550	240	231	802	7.90	0.64	0.02	11.2	4290
89	40o-4d1	jawan singh ki beri	SHEO	Barmer	8.10	2950	0	482	529	375	62.00	0.10	330	44	54	571	12.00	0.58	0.15	12	1918
90	45C-1B1	KURI	Balotra	Barmer	7.84	970	0	232	163	69	23.00	1.01	230	48	27	118	23.80	0.57	4.80	15	631
91	40P 1A3	TARLA	CHAUHTON	Barmer	8.07	2400	0	268	298	222	419.00	0.07	640	104	92	227	63.90	0.54	0.08	15.2	1560
92	40O 4C2	RAMJI KA GOI	BARMER	Barmer	8.01	4600	0	240	610	1074	155.00	0.01	1200	220	158	498	17.60	0.42	0.91	14	2990
93	40O 2A2	SANWLOR	BARMER	Barmer	8.28	3140	48	98	937	122	25.59	0.02	400	64	58	518	85.00	0.35	0.07	12	2041
94	45C-1B2	BALOTRA	Balotra	Barmer	8.07	1650	0	372	360	13	31.00	0.04	300	79	25	252	5.00	0.10	0.08	43	1073
95	54E 3B4	MANDHERA	DEEG	Bharatpur	7.97	7600	0	1769	1207	615	50.00	0.01	1900	280	292	795	169.00	2.72	0.07	26.3	4940
96	New	HALENA	BHUSAWAR	Bharatpur	8.48	4260	72	464	795	474	11.00	0.01	960	96	175	540	1.20	2.55	0.06	12.3	2769
97	New	KHERIAMOD	BAYANA	Bharatpur	8.86	11640	108	146	220	192	2.00	0.05	80	12	12	341	-	2.42	0.14	29	7566
98	54E 2A1	PAHARI	NAGAR	Bharatpur	8.35	4400	0	549	923	265	240.00	0.04	400	48	68	840	1.70	2.23	2.95	19.2	2860
99	54E 2B1	KAMAN	KAMA	Bharatpur	8.03	3300	0	732	639	128	60.00	0.01	620	72	107	482	19.60	2.19	0.20	26	2145
100	54E 4A2	NADBAI	NADBAI	Bharatpur	8.68	4700	216	805	582	462	24.00	0.03	360	32	68	915	1.20	2.04	0.04	14	3055
101	54E 4C2B	CHIKSANA	SEWAR	Bharatpur	8.12	3520	0	420	781	370	10.00	0.05	500	80	73	605	21.10	1.55	0.09	14	2730
102	New	NEWADA	BHUSAWAR	Bharatpur	8.57	2670	72	366	568	108	5.00	0.01	640	56	122	324	0.60	1.49	1.22	19	1736
103	54E 2A3	JHANTLI	NAGAR	Bharatpur	8.16	6800	72	464	1803	306	80.00	0.02	1040	120	180	1100	1.10	1.32	1.40	15	4420
104	New	INDROLI	KAMA	Bharatpur	8.41	3700	0	195	809	228	400.00	0.03	1260	168	204	277	4.40	1.31	0.38	14	2405
105	54F 2B4	PASTA	DEEG	Bharatpur	7.91	9800	0	732	2769	374	19.00	0.01	1750	240	280	1449	13.20	1.25	1.84	28	6370
106	54F 1C3	KHAN SURJAPUR	RUPWAS	Bharatpur	7.93	4100	0	683	838	252	70.00	0.02	500	80	73	720	1.70	1.25	-	25	2665
107	54E3B2A	DEEG	DEEG	Bharatpur	8.88	1420	84	378	114	112	3.00	0.04	150	12	29	269	0.80	0.98	0.29	15	923
108	54E 3B2	DEEG	DEEG	Bharatpur	7.76	14500	0	366	4508	590	15.00	0.02	3750	460	632	1622	7.70	0.98	0.20	29.6	9425
109	54E 3B3	KUMHER	KUMHER	Bharatpur	8.10	5500	0	464	795	1210	-	0.03	1220	144	209	711	2.30	0.95	0.40	20.2	3575
110	54E 4C4	KALYANPURA	SEWAR	Bharatpur	8.25	4900	72	268	1335	238	-	0.04	1100	128	190	631	3.60	0.88	10.80	22	3185
111	54E 4A5	SADPURA	WEIR	Bharatpur	8.02	1860	0	146	383	256	-	0.01	360	80	39	260	5.30	0.86	0.34	12.2	1209
112	54E 4A6	BARIOLICHHAN	NADBAI	Bharatpur	8.35	710	96	244	1278	1704	5.00	0.02	1360	192	214	1186	4.60	0.79	1.97	14	462
113	54E 4A3	JAGJEEWANPURA	WEIR	Bharatpur	8.48	1330	24	305	227	62	6.00	0.02	350	64	46	152	3.50	0.75	0.15	11.2	865
114	New	GOPALGARH	DAHARI	Bharatpur	8.52	6840	72	220	1903	382	60.00	0.07	1000	120	170	1120	0.80	0.70	7.47	16	4446
115	54F 1C6	ROOPWAS	RUPWAS	Bharatpur	7.86	4010	0	537	795	428	12.00	0.04	580	88	88	643	35.40	0.67	2.27	15	2607
116	54F1B10	JHEELMANDIR	BAYANA	Bharatpur	7.92	1560	0	378	298	44	1.00	0.02	400	84	46	173	5.00	0.63	0.21	11	1014
117	54E 2B2	SIHORA	KAMAN	Bharatpur	8.47	1286	0	122	163	226	90.00	0.01	490	84	68	64	11.40	0.63	0.43	14	836
118	54E 4C1	KHANUA	RUPWAS	Bharatpur	7.57	3300	0	488	639	98	300.00	0.05	1160	160	185	133	158.00	0.59	2.08	12	2145
119	54E 4A4	WEIR	WEIR	Bharatpur	7.77	1380	0	464	35	202	60.00	0.03	570	96	80	50	12.20	0.58	0.13	10	897
120	54F 1B5	BHAGORI	BAYANA	Bharatpur	8.45	2400	48	98	568	192	45.00	0.02	820	176	92	134	71.40	0.55	0.15	15.2	1560
121	54E 4B3	UCHAIN	RUPWAS	Bharatpur	8.05	10560	0	549	2662	1048	80.00	0.01	1900	380	231	1592	2.90	0.45	5.90	12	6864
122	54E 4B	BHARATPUR	SEWAR	Bharatpur	7.55	5400	0	480	1132	682	35.00	0.01	1100	20	255	950	14.10	0.32	3.07	14.2	3510
123	45K-3D3	KODUKOTA	Suwana	Bhilwara	8.33	2800	24	477	472	365	35.00	0.04	111	18	16	645	4.60	5.50	0.22	26	1820
124	45K-1C2	GAGEDA	Hurara	Bhilwara	8.40	1210	30	220	209	110	12.00	0.06	170	38	18	225	5.40	5.20	0.10	21	787
125	45K-1B3	BARASNI	Asind	Bhilwara	7.99	2640	0	501	542	194	30.00	0.23	260	74	18	528	5.90	4.20	3.10	12	1716
126	45K-2D3	KANCHAN-KALA	Shahpura	Bhilwara	8.03	7450	0	251	2457	330	25.00	0.04	1410	298	162	1208	8.20	4.10	0.33	29	4843

S.No.	Well No.	Location	Block	District	pH	EC in µS/cm at 250C	CO3	HCO3	Cl	SO4	NO3	PO4	TH	Ca	Mg	Na	K	F	Fe	SiO2	TDS
127	45K-2C5	JIWANLIYAN	Maldal	Bhilwara	8.10	1000	0	440	74	35	40.00	0.05	120	22	16	194	4.20	3.20	0.12	28	650
128	45K-4C2	HAMIRGARH	Suwana	Bhilwara	8.28	1070	0	422	86	108	13.00	0.04	240	38	35	162	3.40	2.30	0.60	11	696
129	45K-4B3	LAKOLA	Sahara	Bhilwara	8.22	1550	0	574	162	130	15.00	0.04	240	46	30	281	7.40	2.10	0.60	29	1008
130	45O-2A1	PAROLI	Jahazpur	Bhilwara	8.01	8490	0	885	2411	560	9.00	0.09	1731	166	320	1368	13.00	1.85	1.30	12	5519
131	45K-1C1	GULABPURA	Hurara	Bhilwara	7.79	3980	0	647	882	320	70.00	0.08	605	68	106	716	9.70	1.80	2.10	15	2587
132	45K-1B1	BADNOR	Asind	Bhilwara	7.89	3690	0	257	887	490	60.00	0.09	336	53	49	778	3.00	1.60	0.05	12	2399
133	45K-3C3	MANDAPIA RS	Suwana	Bhilwara	8.08	5530	0	641	1408	450	70.00	0.03	1126	172	169	869	19.00	1.56	0.22	25.8	3595
134	45K-4B4	GANGAPUR	Sahara	Bhilwara	8.35	1640	12	251	274	120	180.00	0.06	395	44	69	221	10.00	1.52	0.30	15	1066
135	45O-2B3	BORANI	Jahazpur	Bhilwara	7.47	2960	0	593	402	290	195.00	0.15	670	98	103	385	7.80	1.51	0.60	6.2	1924
136	45O-2B4	AMARWASI	Jahazpur	Bhilwara	8.40	3850	16	812	600	236	180.00	0.12	790	146	103	489	68.00	1.30	0.55	6.2	2503
137	45K-3A1	DEVARIA	Sahara	Bhilwara	7.72	2300	0	629	312	243	35.00	0.17	480	60	80	341	15.00	1.10	0.30	15.2	1495
138	45K-3A2	PITAKHERA	Raipur	Bhilwara	8.39	1800	0	440	287	220	5.00	0.09	395	110	29	272	16.00	1.10	0.11	27	1170
139	45K-2C1	RAILA ROAD	Banera	Bhilwara	8.01	2490	0	458	412	209	210.00	0.05	630	126	77	325	18.00	1.10	0.52	19	1619
140	new	Dahimatha	Asind	Bhilwara	8.50	4150	120	910	600	250	39.00	0.02	910	162	123	535	12.10	0.90	0.20	6.8	2698
141	45K-3A3	NANGPURA (THALA)	Raipur	Bhilwara	7.92	2140	0	324	373	245	26.00	0.14	270	50	35	364	6.10	0.70	0.11	11	1391
142	45O-2A2	GULABPURA	Jahazpur	Bhilwara	8.40	2650	24	519	458	185	70.00	0.01	290	42	45	492	5.70	0.60	0.30	8.6	1723
143	45O-4A1	MANDALGARH	Mandalgarh	Bhilwara	8.10	1210	0	263	107	146	160.00	0.05	400	104	34	120	1.20	0.55	0.23	15	787
144	45O-2B1A	JAHAJPUR	Jahazpur	Bhilwara	8.04	1050	0	446	89	35	6.00	0.01	370	78	43	69	13.60	0.42	0.50	7	683
145	45K-3D2	KOTARI	Kotri	Bhilwara	8.28	1460	0	434	160	135	78.00	0.03	460	62	74	145	9.40	0.40	0.98	10.2	949
146	45O-4B2	SALAWATIA	Mandalgarh	Bhilwara	8.72	295	0	111	24	30	6.00	0.03	130	34	11	15	2.60	0.40	0.60	11	192
147	45O-4B1	BIJOLIA	Mandalgarh	Bhilwara	7.60	1040	0	239	128	120	78.00	0.24	310	86	23	116	6.40	0.30	0.60	16.3	676
148	44H-1D3	MANARIA	LUNKARANSAR	Bikaner	8.54	3650	24	598	530	215	572.00	-	260	24	49	766	33.00	2.68	0.75	42	2373
149	44H-1D1	ARJANSAR	LUNKARANSAR	Bikaner	8.60	2605	84	512	380	250	32.00	0.06	100	16	15	617	3.00	2.24	0.26	32	1693
150	45E-1C1	NAPASAR	BIKANER	Bikaner	8.46	1610	24	329	275	118	38.00	-	120	24	15	337	3.00	2.17	0.26	27	1047
151	44H-1B3	RANER	BIKANER	Bikaner	8.55	920	12	403	60	66	17.00	0.16	90	24	7	198	3.00	1.96	0.55	22	598
152	45A-1D1	DIYATRA	KOLAYAT	Bikaner	7.96	2500	0	293	590	188	1.00	-	250	36	39	471	3.00	1.75	0.23	34	1625
153	New	gigasar	BIKANER	Bikaner	8.05	3800	0	329	1021	178	13.00	-	360	24	73	710	4.00	1.61	0.15	46	2470
154	44D-3D1	AMARPURA	KOLAYAT	Bikaner	8..28	255	0	122	14	32	3.00	0.08	120	24	15	15	4.00	1.30	0.36	16	166
155	45A-2A1	BHIKAMPUR	NOKHA	Bikaner	7.96	400	0	98	28	104	1.70	0.04	180	48	15	25.3	0.10	1.25	0.09	17	260
156	44H-2A4	SATTASAR	BIKANER	Bikaner	8.44	800	12	317	60	96	15.00	-	150	20	24	151	5.00	1.10	0.25	24	520
157	New	Desnokh	BIKANER	Bikaner	8.10	1400	0	244	319	60	2.00	-	210	28	34	230	4.00	0.66	0.45	24	910
158	New	Gagner	BIKANER	Bikaner	8.30	1790	0	244	255	400	35.00	-	370	44	63	288	9.00	0.61	0.50	24	1164
159	44H-4D1	LAKHASAR	DUNGARGARH	Bikaner	7.91	1910	0	232	248	40	480.00	0.16	660	72	117	125	29.00	0.57	0.20	38	1242
160	New	kolayat	KOLAYAT	Bikaner	8.41	3345	12	171	553	708	-	-	290	32	51	633	11.00	0.47	0.23	46	2174
161	New	kalyansar	BIKANER	Bikaner	8.57	750	12	195	106	34	43.00	-	140	44	7	118	4.00	0.44	0.25	16	488
162	New	nokha	NOKHA	Bikaner	8.17	3290	0	451	738	80	235.00	0.04	370	28	73	585	33.00	0.42	0.32	38	2139
163	44L-3A3	GORABDESAR	LUNKARANSAR	Bikaner	8.28	5850	0	390	1625	505	55.00	0.12	820	40	175	1084	12.00	0.40	0.15	46	3803
164	45O-3D6	MAIJA	KESHORAIPATAN	Bundi	8.60	1430	60	610	135	25	1.00	0.04	260	44	36	257	4.00	1.65	1.10	28	930
165	45O-3D3	KESHORAIPATAN	KESHORAIPATAN	Bundi	8.82	4580	120	1147	652	525	8.00	1.32	180	20	32	1120	1.00	1.32	0.11	46	2977
166	45O-3D5	DELUNDA	TALERA	Bundi	8.30	980	0	494	50	125	15.00	-	340	20	71	128	4.00	1.03	0.25	20	637
167	45O-3C1	RAMNAGAR	TALERA	Bundi	8.54	1790	12	329	210	388	-	-	320	32	58	308	6.00	0.75	0.20	24	1164
168	45O-2D1	GAINDOLI	KESHORAIPATAN	Bundi	8.40	940	24	305	113	30	19.00	-	260	40	39	108	3.00	0.73	0.21	25	611
169	54C-3A3	KAPREN	KESHORAIPATAN	Bundi	8.30	4360	0	952	468	1100	29.00	0.04	700	27	154	878	2.00	0.60	0.11	48	2834

S.No.	Well No.	Location	Block	District	pH	EC in µS/cm at 250C	CO3	HCO3	Cl	SO4	NO3	PO4	TH	Ca	Mg	Na	K	F	Fe	SiO2	TDS
170	54C-2A2	DEI KHERA	KESHORAIPATAN	Bundi	8.24	1640	0	708	163	44	93.00	0.42	480	20	105	207	2.00	0.53	0.10	28	1066
171	54C	KOTA KHURD	KESHORAIPATAN	Bundi	8.23	880	0	415	85	24	9.00	-	330	28	63	74	2.00	0.34	1.50	22	572
172	54C-2A1A	LAKHERI	KESHORAIPATAN	Bundi	8.27	1770	0	439	255	204	14.00	-	360	32	68	273	2.00	0.30	0.92	24	1151
173	45O-3C4A	SATUR	HINDOLI	Bundi	7.93	1530	0	366	206	38	167.00	0.06	440	44	80	101	83.00	0.23	1.60	24	995
174	45O-3D2	RAJWAS	TALERA	Bundi	8.12	5290	0	207	1277	300	672.00	-	2000	268	323	372	14.00	0.22	0.85	68	3439
175	46i-1D2	MOHADA	AMOAD	Chittorgarh	8.00	750	0	340	15	10	110.00	0.12	250	50	30	32	68.00	1.20	0.03	9	488
176	45L-1B3	MUNGANA	KAPASAN	Chittorgarh	8.42	840	48	202	61	108	9.00	0.04	210	34	30	109	5.50	0.85	0.40	6.2	546
177	45L-2B2	NAPANIA	BHADESAR	Chittorgarh	8.45	1940	120	129	265	280	26.00	0.05	450	82	60	243	16.70	0.80	0.30	11	1261
178	45P-1C1	RAWAT BHATA	BHAINSARGARH	Chittorgarh	8.29	310	0	210	35	5	80.00	0.05	250	40	36	20	1.00	0.55	0.23	5	202
179	45K-4B1A	RASHMI	RASHMI	Chittorgarh	8.42	2740	96	443	402	250	40.00	0.11	310	58	40	493	3.90	0.50	0.10	12.2	1781
180	45K-4C1	GNGANAGAR	GNGANAGAR	Chittorgarh	8.45	2240	24	422	295	122	260.00	1.30	610	82	98	245	1.50	0.45	0.10	11	1456
181	45L1C6	NAGARI	CHITTORGARH	Chittorgarh	8.10	840	0	319	103	15	42.00	-	370	122	16	40	2.70	0.35	0.84	21	546
182	45L1B2	KAPASAN	KAPASAN	Chittorgarh	7.68	4940	0	617	910	298	480.00	0.35	1760	282	257	325	20.00	0.33	3.10	14	3211
183	45K-4D1	PARSOLI	BEGUN	Chittorgarh	7.30	740	0	300	61	45	15.00	0.06	350	114	16	21	2.90	0.30	0.20	18	481
184	45L-1C3	MANPURA	CHITTAURGARH	Chittorgarh	8.40	1540	48	251	231	160	5.00	0.12	250	34	40	244	5.90	0.29	0.20	11	1001
185	45K4B2	KHARKHANDA	GANGRAR	Chittorgarh	8.23	1440	0	300	189	130	120.00	0.35	610	170	45	52	21.60	0.25	0.90	1815	936
186	45L-1C1	SINGHPUR	KAPASAN	Chittorgarh	8.42	1540	48	105	189	260	130.00	0.03	450	74	64	163	9.90	0.20	2.10	10	1001
187	44L-1D2	DHIRAWAS	TARANAGAR	Churu	8.30	1410	0	439	115	32	175.00	-	430	36	83	70	97.00	2.34	0.25	24	917
188	44L-1D1	SHAWA	TARANAGAR	Churu	8.69	3530	84	427	575	336	455.00	-	590	28	126	600	106.00	2.20	0.15	42	2295
189	44L-2B4	GULERIYA	SUJANGARH	Churu	8.30	1605	0	329	235	72	180.00	-	190	32	27	279	23.00	2.00	0.15	28	1043
190	New	Gujronki dhani	CHURU	Churu	8.25	8663	0	476	2234	1350	41.00	-	1400	28	323	1643	9.00	1.91	1.70	68	5631
191	44L-4B1	RAJALDESAR	RATANGARH	Churu	8.46	1722	12	293	340	88	140.00	0.08	250	28	44	319	3.00	1.75	0.25	38	1119
192	44L-4C23	RATANGARH	RATANGARH	Churu	8.41	2700	18	281	690	74	80.00	-	160	24	24	548	2.00	1.68	0.16	30	1755
193	44L-4C1	MALASAR	RATANGARH	Churu	8.52	3701	24	561	835	172	119.00	-	140	20	22	834	3.00	1.67	0.11	42	2406
194	44L-4D1	BIRMASAR	RATANGARH	Churu	8.40	4295	60	939	667	520	114.00	-	390	20	83	944	3.00	1.53	0.23	48	2792
195	44L-2B4	MITTASAR	SARDARSHAR	Churu	8.50	1678	12	415	245	92	76.00	0.06	50	8	7	373	7.00	1.48	0.11	26	1091
196	45I-2A1	BAMBOO	SUJANGARH	Churu	7.97	2096	0	146	248	609	47.00	0.06	720	80	126	193	4.00	0.66	0.11	34	1362
197	45I1B2	BIDASAR	SUJANGARH	Churu	8.04	2307	0	281	454	76	268.00	-	430	44	78	327	21.00	0.59	0.25	34	1500
198	44L-3D15	BINASAR	CHURU	Churu	8.30	5415	0	415	1078	780	396.00	-	720	36	153	1044	5.00	0.40	0.45	63	3520
199	44L-2B2	BHOJASAR	SARDARSAHAR	Churu	8.45	220	6	80	21	35	-	-	70	16	7	10	3.00	0.30	0.04	14	143
200	44L-4C14	TODISAR	SUJANGARH	Churu	8.09	5041	0	220	1064	247	958.00	-	1200	48	263	686	16.00	0.29	0.32	58	3277
201	44L-2C2	ASPALSAR	SARDARSAHAR	Churu	8.67	7610	48	354	1901	450	957.00	-	1240	36	280	1374	51.00	0.25	1.40	46	4947
202	New	SATDA	CHURU	Churu	8.49	4638	24	244	1000	677	40.00	-	440	20	95	894	5.00	0.15	0.50	54	3015
203	44p-2b2	nangli	rajgarh	Churu	8.40	6650	60	183	1702	286	1,250.00	0.12	1900	48	433	936	18.00	0.15	1.41	56	4323
204	44l-2b3	Hardesar	SARDARSAHAR	Churu	8.30	3785	0	281	965	250	214.00	-	550	40	109	673	8.00	0.07	1.45	46	2460
205	54B 1D7	MAHUA	MAHUA	Dausa	8.45	1000	60	122	107	134	14.06	0.03	270	44	39	111	0.90	2.36	0.51	9	650
206	54A 4D2	MAHUA	MAHUA	Dausa	8.47	1100	72	134	180	26	4.11	0.05	90	2	21	216	0.70	2.31	0.24	10	715
207	New	HIGETWARI DHANI	MAHUA	Dausa	8.23	5800	0	439	852	1278	8.15	0.04	1000	160	146	872	9.60	2.11	0.44	19.6	3770
208	54B 1B2	DAUSA	DAUSA	Dausa	8.01	4900	0	622	724	368	654.05	0.03	700	120	97	804	2.60	1.79	2.11	41	3185
209	New	JASUTA	DAUSA	Dausa	8.07	2800	0	512	355	478	7.67	0.01	640	88	102	361	5.20	1.43	1.09	15.3	1820
210	54B 1C2A	GIJGARH	SIKARAL	Dausa	7.87	1780	0	512	263	50	54.14	0.01	260	40	39	290	1.70	1.26	0.45	11	1157
211	54B 2B1B	LALSOT	LALSOT	Dausa	7.95	1060	0	293	124	78	57.02	0.03	290	52	39	117	2.20	0.85	NF	11	689
212	54F 1A2	DHAND	MAHUA	Dausa	7.94	480	0	183	14	72	-	0.02	200	32	29	22	1.10	0.39	0.94	8	312

S.No.	Well No.	Location	Block	District	pH	EC in µS/cm at 250C	CO3	HCO3	Cl	SO4	NO3	PO4	TH	Ca	Mg	Na	K	F	Fe	SiO2	TDS
213	54B 2C5	LALSOT	LALSOT	Dausa	8.16	2100	0	659	312	46	30.77	0.02	370	60	54	315	2.40	0.27	1.63	12.3	1365
214	New	JASUTA	DAUSA	Dausa	8.20	2500	0	342	469	326	12.25	0.03	210	36	29	498	1.70	0.13	0.14	10	1625
215	54B 1D5A	LANGRA BALAJI	SIKARAL	Dausa	8.07	1020	0	342	85	48	75.79	0.01	300	48	44	97	1.50	0.10	0.26	10	663
216	54F 1C5	LEBUDAPURA	DHAULPUR	Dhaulpur	8.36	920	60	330	43	4	19.63	0.03	330	60	44	60	0.30	3.35	3.37	12	598
217	54F2C4	SALEMPUR	BASERI	Dhaulpur	8.37	150	72	207	213	118	48.02	0.01	300	40	49	213	0.40	2.93	3.87	5	98
218	54J 1A1	MARAINA	RAJA KHERA	Dhaulpur	8.48	200	216	293	227	138	30.21	0.03	600	80	97	228	3.10	2.75	0.70	8	130
219	54F 2C3	GAJPURA	BARI	Dhaulpur	7.90	2500	0	415	412	284	36.98	0.07	380	76	46	400	4.50	1.99	2.12	5	1625
220	54F 2C1	BARI	BARI	Dhaulpur	8.02	1100	0	366	85	78	89.53	0.06	370	64	51	93	4.90	0.92	0.89	11	715
221	54F 1D4	PIPEHARA	BASERI	Dhaulpur	8.02	3100	0	927	341	218	115.75	0.04	860	96	151	318	11.90	0.89	1.14	10	2015
222	54F 1D6	MANGRAUL	RAJAKHERA	Dhaulpur	8.34	2500	120	268	426	212	9.60	0.03	320	48	49	429	1.20	0.73	na	11	1625
223	54F 2B1	NAKATPURA	BASERI	Dhaulpur	8.17	980	0	281	64	132	38.82	0.05	340	76	36	69	2.50	0.66	4.91	10.2	637
224	54J 1A4	SAWALIAPURA	RAJA KHERA	Dhaulpur	8.40	2450	96	342	327	298	9.27	0.06	260	48	34	443	1.90	0.53	0.51	9	1593
225	54F 2D1	DHAULPUR	DHAULPUR	Dhaulpur	7.63	3200	0	390	256	752	202.49	0.05	1100	168	165	241	4.60	0.43	0.70	12.2	2080
226	54F 2D3	AITHMEEL	DHAULPUR	Dhaulpur	7.60	1200	0	439	142	28	23.94	0.01	360	72	44	115	1.90	0.35	0.24	12	780
227	54F 2B2	ANGARI	BASERI	Dhaulpur	8.09	600	0	244	43	36	5.07	0.02	250	56	27	18	12.70	0.33	0.85	10.2	390
228	46E-1C1	NAYADERA	Dungarpur	Dungarpur	7.92	1110	0	171	250	15	65.00	0.20	300	52	41	121	2.00	1.60	0.08	8.3	722
229	46I-1A2	BARODA	Sagawara	Dungarpur	8.04	1020	0	183	135	140	30.00	0.03	260	52	32	118	2.40	1.40	0.20	4	663
230	46E-2D4	NANTHODA	Sagawara	Dungarpur	8.12	1250	0	317	163	70	102.00	0.04	250	32	41	184	1.70	1.30	0.05	8.2	813
231	46E-1D1	HATAI	Dungarpur	Dungarpur	8.09	1510	0	464	192	120	5.00	0.05	260	36	41	240	2.20	1.08	0.11	10.2	982
232	46E-2D5	Chhitri		Dungarpur	7.72	620	0	190	92	4	35.00	0.25	180	52	12	52.4	1.10	0.80	0.41	8	403
233	46I-2A1	BHILURA	Sagawara	Dungarpur	8.24	750	0	302	99	5	5.00	0.08	270	44	39	60	1.00	0.75	0.34	6	488
234	46E-1D4	Ramgarh	Aspur	Dungarpur	7.96	1305	0	390	213	95	9.00	0.03	230	32	36	230	1.40	0.70	0.91	9	848
235	46E-2D1	Anteree	Dungarpur	Dungarpur	7.98	505	0	120	57	12	90.00	0.22	150	32	17	55	1.00	0.65	0.25	5	328
236	New	Ratanppur	Bhichiwara	Dungarpur	8.28	910	0	378	92	20	8.00	0.05	170	56	7	140	1.10	0.60	0.52	8	592
237	46E-1C3	KANABA	Bhichiwara	Dungarpur	8.46	420	24	136	30	5	49.00	0.14	110	20	15	60	1.30	0.52	3.42	5	273
238	46E-1C7	Beechiwara	Bhichiwara	Dungarpur	7.83	380	0	207	21	20	52.00	0.14	180	62	6	40	1.00	0.40	0.56	4	247
239	46E-2C1	GORADA	Dungarpur	Dungarpur	8.06	390	0	159	21	45	30.00	-	180	68	2	25	1.00	0.31	0.01	5	254
240	46I-1A4	NAYAGAON	Aspur	Dungarpur	8.47	905	36	110	149	110	5.00	0.06	220	48	24	120	1.40	0.24	3.80	8	588
241	46E-1C2	Dungarpur	Dungarpur	Dungarpur	8.14	905	0	329	121	48	9.00	0.04	200	40	24	140	1.30	0.23	0.01	6	588
242	46I-1A3	SABLA	Aspur	Dungarpur	8.04	605	0	200	85	30	7.00	0.03	250	40	36	35	1.00	0.08	0.12	8	393
243	46I-1A1	ASPUR	Aspur	Dungarpur	7.36	1450	0	366	270	50	25.00	0.01	360	76	41	184	1.20	0.07	0.14	6	943
244	New	karanpur	PADAMPUR	Ganganagar	7.93	860	0	390	85	36	1.00	-	360	60	51	44	7.00	2.60	0.20	26	559
245	New	Mahiyanvali	SADULSAHAR	Ganganagar	8.03	3395	0	317	64	1718	16.00	-	640	96	97	682	26.00	2.00	0.20	44	2207
246	44G-3D6	PADAMPURA	SURATGARH	Ganganagar	8.14	7162	0	390	2049..	715	15.00	0.12	420	88	49	1608	50.00	2.00	0.30	62	4655
247	44G-4C3	jagatsinghwala	SURATGARH	Ganganagar	7.74	5350	0	329	1050	1486	12.00	-	1540	200	253	799	23.00	0.60	0.12	54	3478
248	44G-3C2	jaitsar	ANUPGARH	Ganganagar	8.30	2750	0	451	490	446	17.00	-	300	48	44	542	10.00	0.57	0.75	34	1788
249	New	Tatarsar	GANGANAGAR	Ganganagar	8.30	260	0	110	21	25	-	-	120	36	7	11	3.00	0.48	0.15	18	169
250	44L-3A1	dabla	ANUPGARH	Ganganagar	7.92	5000	0	207	1007	1450	16.00	-	1400	208	214	774	26.00	0.48	0.23	38	3250
251	New	chunawad		Ganganagar	8.10	280	0	134	28	8	4.00	-	130	44	5	13	3.00	0.31	0.15	14	182
252	New	Ruonagar		Ganganagar	8.23	1110	0	171	191	180	-	-	420	64	63	79	7.00	0.30	0.25	25	722
253	44G-2D4	gajsinghpura	PADAMPUR	Ganganagar	8.29	1110	0	171	199	180	-	-	430	72	61	78	9.00	0.29	0.12	32	722
254	New	LALGARH	SURATGARH	Ganganagar	7.94	5880	0	268	752..	1947	47.00	-	1200	220	158	974	25.00	0.28	0.12	64	3822
255	44G-2B1	RAISINGHNAGAR	RAISIGHNAGAR	Ganganagar	8.28	800	0	122	213	5	1.00	-	320	48	49	36	8.00	0.27	0.25	28	520

S.No.	Well No.	Location	Block	District	pH	EC in µS/cm at 250C	CO3	HCO3	Cl	SO4	NO3	PO4	TH	Ca	Mg	Na	K	F	Fe	SiO2	TDS
256	44G-4D6	ganguwala	SURATGARH	Ganganagar	8.06	6230	0	98	1191	1625	122.00	-	1420	228	207	968	23.00	0.23	0.25	68	4050
257	44K2B5	SATIPURA	HANUMANGARH	Hanumangarh	8.41	1400	36	110	128	252	162.93	0.16	420	76	56	144	5.20	4.34	0.04	6	910
258	44K1A1	PALE WALL DHAN	HANUMANGARH	Hanumangarh	8.32	5600	60	305	817	1222	36.97	0.03	890	120	143	873	22.10	2.70	0.02	16.5	3640
259	44K1B4	BOLANWALI	HANUMANGARH	Hanumangarh	8.16	6300	0	305	994	1442	18.62	0.04	1000	180	134	991	19.30	2.48	-	4	4095
260	44K3A3	PANDITAWALI	HANUMANGARH	Hanumangarh	8.06	2600	0	683	367	230	10.14	0.02	800	120	122	233	22.30	2.40	0.03	12.3	1690
261	44K2B8	KOHLA	HANUMANGARH	Hanumangarh	8.47	2200	84	256	213	302	186.22	0.01	240	40	34	401	10.70	2.22	0.01	14	1430
262	44K2B6	PANNWALI	HANUMANGARH	Hanumangarh	8.42	11085	36	378	57	88	4.01	0.02	150	20	24	185	2.70	2.22	0.02	11	7205
263	44K4B4	DHANASAR	NOHAR	Hanumangarh	8.35	2600	168	464	284	144	159.68	0.01	400	60	61	430	11.20	2.14	-	8	1690
264	44K1B10	DHOBPAL	HANUMANGARH	Hanumangarh	7.92	800	0	305	57	64	5.66	0.01	240	52	27	74	7.20	1.74	-	12	520
265	44P1A1	MALSISAR	BHADRA	Hanumangarh	8.42	2000	24	464	227	244	23.84	0.02	380	60	56	200	162.00	1.52	0.01	21	1300
266	44O4A5	BHADRA	HANUMANGARH	Hanumangarh	8.27	700	0	171	36	128	41.34	0.03	320	64	39	17	5.40	1.40	0.02	10	455
267	44K2C4	TIBBI	HANUMANGARH	Hanumangarh	8.44	1400	60	281	234	33	28.29	0.04	320	40	54	182	4.40	1.22	NR	11	910
268	44K1C3	GANDHALI	NOHAR	Hanumangarh	8.13	1160	0	384	99	48	90.99	0.01	230	48	27	156	9.70	1.04	0.02	11	754
269	44K4B5	KHODA	NOHAR	Hanumangarh	8.48	1300	48	439	107	78	8.16	0.02	390	36	73	129	10.80	0.94	-	12	845
270	44K2B2	CHOHLINYAWALI	HANUMANGARH	Hanumangarh	8.50	800	36	110	43	215	23.63	0.07	310	56	41	44	21.10	0.72	NR	8	520
271	44K2B2	SALEWALI	HANUMANGARH	Hanumangarh	8.16	300	0	146	14	28	1.73	0.03	140	28	17	14	3.80	0.62	0.02	5	195
272	44K4D1	NOHAR	NOHAR	Hanumangarh	7.95	1190	0	183	220	174	15.97	0.01	350	72	41	114	48.30	0.56	0.03	12	774
273	44K3B6	MUNDA	HANUMANGARH	Hanumangarh	7.98	1780	0	549	107	198	106.82	0.02	520	80	78	166	10.90	0.46	-	11.3	1157
274	44K2A2	CHISTAN	HANUMANGARH	Hanumangarh	8.40	1800	60	236	243	248	11.06	0.04	450	76	63	205	8.80	0.34	0.04	4	1170
275	44B1B2	DUDHAL	NOHAR	Hanumangarh	8.12	570	0	171	21	105	4.07	0.01	240	40	34	18	4.60	0.28	0.01	11	371
276	44K3B1	RAWATSAR	NOHAR	Hanumangarh	8.17	400	0	146	28	46	1.16	0.12	180	32	24	13	2.90	0.24	0.01	10	260
277	44K4B1	BIRMASAR	NOHAR	Hanumangarh	8.67	780	36	85	64	128	24.21	0.03	260	52	32	41	19.40	0.22	0.02	7	507
278	44O4A4	MUNSHI	BHADRA	Hanumangarh	7.42	1960	0	488	263	185	24.67	0.04	610	128	71	104	111.00	0.14	-	11	1274
279	44L1B1	BISRASAR	NOHAR	Hanumangarh	8.15	550	0	146	28	108	4.39	0.01	220	40	29	24	5.80	0.14	0.06	5	358
280	44K2A1	PAKKASARNA	HANUMANGARH	Hanumangarh	8.01	500	0	134	21	102	1.69	0.04	150	28	19	45	2.60	0.02	0.01	8	325
281	44K2C5	CHANDUWALA	HANUMANGARH	Hanumangarh	8.26	1000	48	281	114	46	2.87	0.05	270	32	46	113	5.30	0.02	-	5	650
282	45N-2B1	MOZMABAD	DUDU	JAIPUR	8.65	2630	120	1159	57	110	19.00	-	60	12	7	598	2.00	4.80	0.15	42	25L/3
283	45N-1D2	AMBER	AMBER	Jaipur	8.82	1395	48	281	184	22	153.00	0.56	390	48	66	134	29.00	2.60	0.25	26	906.8
284	54A-2A1	KOTPUTLI	KOTPUTLI	Jaipur	8.60	1375	60	427	156	60	37.00	-	170	16	32	271	4.00	2.12	0.15	22	894
285	45M-4D5	BHANPUR KALAN	AMBER	Jaipur	8.69	1822	96	549	163	60	26.00	0.06	140	20	22	360	2.00	1.19	0.14	28	1184
286	45N-2D2	SHIVDASPURA	CHAKSU	JAIPUR	7.85	1035	0	427	149	85	20.00	-	260	28	46	168	7.00	1.17	0.50	26	25L/1
287	45N-2D4	DAWACH	PHAGI	JAIPUR	7.30	2103	0	573	326	84	73.00	-	210	20	39	337	106.00	1.12	0.25	34	25L/2
288	45N-1B1	NASNOTA	DUDU	JAIPUR	8.06	3805	0	281	1092	336	8.00	-	860	120	136	579	9.00	0.58	0.25	52	25L/4
289	54A-4A3	RASALA	JAMWARAMGARH	JAIPUR	7.88	1298	0	366	184	97	78.00	-	390	44	68	144	18.00	0.55	0.14	34	25L/5
290	45N-2B2	MANGANWARA	DUDU	JAIPUR	8.76	2013	60	476	355	115	56.00	-	230	12	49	412	24.00	0.40	0.20	26	25L/6
291	54A-4A4	Datal gurjran	Jamua	Jaipur	8.19	440	0	207	21	16	27.00	-	190	28	29	22	2.00	0.29	0.05	22	286
292	40N-3D2	Falsund	SANKRA	Jaisalmer	8.17	2855	0	200	546	460	142.00	0.13	230	59	20	592	21.60	3.90	0.13	21.2	1856
293	45B-1A1	LAWAN	SANKRA	Jaisalmer	7.96	3420	0	744	539	286	238.00	0.10	460	76	66	646	3.90	2.30	0.36	31	2223
294	40N-2C5	RAJGARH	SANKRA	Jaisalmer	8.28	5270	0	622	1163	575	259.00	0.06	530	88	75	1118	9.50	2.12	0.04	38	3426
295	40M-4D1	Loharki	SANKRA	Jaisalmer	8.28	4000	24	268	653	806	0.80	0.07	460	88	58	715	9.70	2.05	0.07	14	2600
296	40N-1D3	KALEWA	SANKRA	Jaisalmer	8.35	4120	48	390	897	432	104.00	0.07	240	28	41	904	4.10	1.90	0.07	41	2678
297	40M-3A1	MOHANGARH	JAISALMER	Jaisalmer	8.04	460	0	195	32	30	2.80	0.17	50	8	7	88	3.70	1.81	0.43	5.6	299
298	40I-1B3	KURIA BERI	SAM	Jaisalmer	8.34	2700	48	244	525	342	6.70	0.07	250	36	39	518	9.50	1.58	0.06	18	1755

S.No.	Well No.	Location	Block	District	pH	EC in µS/cm at 250C	CO3	HCO3	Cl	SO4	NO3	PO4	TH	Ca	Mg	Na	K	F	Fe	SiO2	TDS
299	40N-2b1	lakhasar	Sum	Jaisalmer	8.40	8500	90	305	2020	1012	18.00	1.77	1150	240	134	1415	42.80	1.50	0.06	14	5525
300	40N-2C3	MADASAR	SANKRA	Jaisalmer	7.97	2070	0	378	344	175	162.00	0.04	240	36	36	395	6.20	1.34	0.06	26	1346
301	40I-1D2	MOOL SAGAR	JAISALMER	Jaisalmer	8.02	1020	0	537	191	70	51.00	0.69	550	13.2	126	125	5.90	1.33	0.19	22	663
302	40J-2C1	KHURI	SAM	Jaisalmer	8.19	8550	0	256	2407	1018	4.30	0.04	961	212	105	1700	17.00	1.32	0.14	32	5558
303	40i-1b2a	ghantiyali	JAISALMER	Jaisalmer	8.18	3680	0	354	918	324	34.00	0.11	200	28	32	798	10.00	1.26	0.03	38	2392
304	40I-3A1	GOTARU	SAM	Jaisalmer	8.02	2450	0	318	617	70	25.00	0.23	460	106	47	350	6.70	1.20	0.36	8	1593
305	40M-3C1	Nachana	JAISALMER	Jaisalmer	8.34	2700	96	415	255	454	42.00	1.99	620	144	63	220	215.00	1.20	0.22	21	1755
306	40i-3d2	boa	JAISALMER	Jaisalmer	8.32	4100	96	512	824	346	34.80	4.40	420	72	58	770	31.50	1.17	0.32	11	2665
307	40M-2D2	AWAI	JAISALMER	Jaisalmer	8.25	2250	0	378	245	400	136.00	0.04	260	52	32	386	73.00	1.08	0.20	26	1463
308	40M-4C4	Shri Bhadriya	SANKRA	Jaisalmer	8.32	5000	60	122	1065	812	39.00	0.04	500	88	68	940	32.60	1.00	0.26	12	3250
309	40I-1B5A	Nathu ka bera	SAM	Jaisalmer	8.28	5300	24	146	1420	510	16.00	0.41	280	60	32	1110	15.10	0.97	0.27	14	3445
310	40N-1D2	CHACHA	SANKRA	Jaisalmer	8.28	2570	0	305	546	212	162.00	0.08	741	176	73	283	18.00	0.83	0.44	19	1671
311	40i-	khario bera		Jaisalmer	8.20	2670	0	255	507	400	33.00	0.06	100	30	6	580	11.10	0.80	0.13	11	1736
312	40N-1C1	GUDI KA TALA	SANKRA	Jaisalmer	8.49	3160	36	293	681	450	13.00	0.02	280	32	49	605	118.00	0.73	0.22	35	2054
313	40N-2B3	Sanwata	Sum	Jaisalmer	7.31	1250	0	549	78	80	124.00	0.11	350	88	32	103	135.00	0.63	0.88	8	813
314	40N-2D1	MANDWA	SANKRA	Jaisalmer	8.04	1520	0	377	177	150	96.00	0.23	250	58	26	250	8.10	0.62	1.50	12.2	988
315	40I-4B1	KHUYILA	SAM	Jaisalmer	8.20	900	0	196	149	50	70.00	0.10	270	30	47	60	67.20	0.60	0.35	6	585
316	4OJ-1D1	JAISALMER	JAISALMER	Jaisalmer	8.24	4230	0	255	645	640	440.00	0.22	1361	238	186	350	20.20	0.39	0.13	15	2750
317	40J-1C1	SAM	SAM	Jaisalmer	8.29	750	0	390	21	55	5.70	0.11	240	72	15	42	68.00	0.35	0.21	12	488
318	45C 2D1	NIMLA	AHORE	JALORE	8.24	4000	48	512	795	306	74.11	0.05	540	80	83	655	36.40	2.85	0.20	12	2600
319	45C 3C1	JALORI	JALORE	JALORE	7.91	2000	0	366	450	22	51.45	0.10	380	80	44	226	31.90	2.68	1.10	11	1300
320	40P 1B1	DOONGRI	CHITALWANA	JALORE	8.08	3300	0	512	469	546	166.00	0.10	840	120	131	435	6.20	2.20	0.27	15.6	2145
321	45C 4B5	BAKARA ROAD	SAYALA	JALORE	7.56	3000	0	659	539	208	9.44	0.14	300	40	49	567	0.70	2.02	0.09	11.3	1950
322	45C 3A4	POSANA	SAYALA	JALORE	8.26	960	12	415	78	24	-	0.02	200	32	29	140	0.60	1.95	0.15	11.2	624
323	45C 4A5	SURSNA		JALORE	8.31	2340	72	708	284	46	22.15	0.03	200	24	34	448	0.50	1.74	0.02	12	1521
324	45C 2D3	BHADRAJUN	AHORE	JALORE	7.70	4200	0	561	809	410	111.00	0.02	680	136	83	663	4.70	0.74	0.18	19.2	2730
325	45D 1C3	PUNAK KALAN	JASWANTPURA	JALORE	7.92	2640	0	708	486	10	56.00	0.03	480	88	63	355	56.90	0.73	0.30	16	1716
326	45C 3B2	SAYALA	SAYALA	JALORE	7.98	5080	0	562	951	686	32.42	0.01	460	72	68	958	1.60	0.12	0.06	11.6	3302
327	45P-3D6	GUNAVI	JHALRAPATAN	Jhalawar	7.73	550	0	305	35	40	32.00	0.13	330	80	32	20	1.00	1.42	0.05	6.2	358
328	54D-3D1	Gajwara	MANOHARTHANA	Jhalawar	8.00	580	0	232	71	45	3.00	0.04	300	88	19	20	1.00	0.92	0.05	4.2	377
329	54D-3C2	SAREDI	MANOHARTHANA	Jhalawar	8.48	950	36	360	57	10	75.00	0.11	450	40	85	28	1.00	0.70	0.06	8.3	618
330	54D-2A6	Mandawar	JHALRAPATAN	Jhalawar	7.85	2700	0	427	710	25	25.00	0.23	650	108	92	345	2.30	0.63	2.00	14	1755
331	45P-3D3	ANVLIKALAN	BAKANI	Jhalawar	8.11	3000	0	450	502	430	70.00	1.10	800	204	71	360	0.50	0.56	0.05	18	1950
332	54D-2A6	KISHANPUR Chowki	JHALRAPATAN	Jhalawar	8.54	830	36	250	120	5	12.00	0.07	420	52	71	14	1.00	0.41	0.08	5.2	540
333	44P-4C8	KHUDANA	CHIRAWA	Jhunjhunu	8.85	650	36	293	50	15	2.00	-	50	8	7	155	1.00	3.30	0.05	17	423
334	44P-4C7A	BADAGAON	JHUNJHUNU	Jhunjhunu	8.40	950	24	195	65	191	25.00	0.24	130	28	15	177	4.00	1.73	0.04	16	618
335	44P-3D1	PIPLI	SURAJGARH	Jhunjhunu	8.30	1650	0	451	234	63	115.00	-	140	24	19	330	2.00	1.68	0.05	25	1073
336	44P-4A2A	MANDAWA	JHUNJHUNU	Jhunjhunu	8.70	2110	60	781	284	66	65.00	-	190	16	36	493	2.00	1.58	0.05	24	1372
337	44P-3C8	DULANIA	SURAJGARH	Jhunjhunu	8.50	1870	48	464	184	90	231.00	-	130	16	22	400	2.00	1.56	0.05	22	1216
338	44P-4B20	JAISINGHPURA	JHUNJHUNU	JHUNJHUNU	8.53	1640	48	376	326	90	34.00	-	160	20	27	350	2.00	1.20	0.16	29	1066
339	44P-4B2	DIGHAL	NAWALGARH	Jhunjhunu	8.75	1720	36	317	390	45	22.00	-	90	12	15	388	2.00	1.19	0.11	22	1118
340	45M-1D5	PAPORANA	KHETRI	Jhunjhunu	8.16	830	0	305	113	80	2.00	-	160	28	22	153	4.00	1.07	0.05	22	540
341	44P-3C5	DEVROAD	CHIRAWA	Jhunjhunu	8.95	1002	24	329	163	48	27.00	-	110	12	19	230	3.00	1.06	0.04	18	651

S.No.	Well No.	Location	Block	District	pH	EC in µS/cm at 250C	CO3	HCO3	Cl	SO4	NO3	PO4	TH	Ca	Mg	Na	K	F	Fe	SiO2	TDS
342	44P-4C9	LAKHU	SURAJGARH	Jhunjhunu	8.12	810	0	244	142	35	33.00	-	200	36	27	120	3.00	1.04	0.05	18	527
343	New	MATH	JHUNJHUNU	Jhunjhunu	8.04	1520	0	305	348	34	64.00	-	200	40	24	288	2.00	0.88	0.02	22	988
344	45M-1C2	CHOWARA	UDAIPURWATI	Jhunujhunu	8.30	840	0	232	135	62	27.00	-	180	28	27	131	3.00	1.08	0.05	22	546
345	45F04A1	MOGRA	Luni	Jodhpur	8.20	5120	0	820	720	1280	150.00	0.10	300	60	36	1310	12.00	5.60	0.26	32	3328
346	45F-4C3	BHAWI	Bilara	Jodhpur	7.75	18520	0	2202	4880	681	650.00	0.04	1360	227	193	3900	76.00	4.00	0.06	31	12038
347	45B-3D4	KARANI	Mandore	Jodhpur	8.45	5540	24	775	762	994	80.00	0.16	260	33	43	1195	6.60	3.60	0.08	44	3601
348	45a-3b3	bari ki dhani	JODHPUR	Jodhpur	8.10	1930	0	500.2	127.8	312	55.00	0.05	450	124	34	240	1.00	3.00	0.19	6.5	1255
349	45F-2B1	KHERAPA	Mandore	Jodhpur	8.13	3040	0	390	581	487	35.00	-	384	37	71	596	3.60	2.00	0.25	27	1976
350	45B-4D3	NARON KI DHANI	Luni	Jodhpur	8.60	2070	36	152	500	132	70.00	0.02	150	21	24	435	4.10	2.00	0.07	19	1346
351	45B-4D7	RARON KI DHANI	Luni	Jodhpur	8.46	10210	240	183	2627	725	154.00	0.01	700	180	61	2040	7.20	1.98	0.06	14	6637
352	45B-3d8	lordi	Mandore	Jodhpur	7.96	3000	0	305	532	247	333.00	0.11	550	80	85	443	15.70	1.41	0.04	11	1950
353	45B-1BD13	JATYASANI	Luni	Jodhpur	8.38	2810	36	226	432	452	125.00	0.07	550	125	58	350	98.00	1.30	0.14	48	1827
354	45b-3b5	kui		Jodhpur	8.11	700	0	256	56	65	11.00	0.02	260	52	32	38	9.60	1.20	0.12	22	455
355	45a-3b2	bap	JODHPUR	Jodhpur	7.98	500	0	220	28	54	9.00	0.10	240	64	19	19	5.40	1.17	0.51	15	325
356	NEW	GANGANI	Luni	Jodhpur	7.30	1900	0	415	325	135	10.00	0.47	420	64	63	236	22.00	1.15	0.01	11	1235
357	45F-5C1	KAPARDA	Bilara	Jodhpur	8.53	7370	36	107	2126	794	120.00	-	1060	145	170	1360	50.00	1.03	0.05	27	4791
358	45B-4C3	DHAWA	Luni	Jodhpur	8.41	2300	144	146	469	212	20.00	0.03	320	40	54	426	13.00	0.94	0.14	18	1495
359	45F-3B3	RAMRAWAS	Bhopalgarh	Jodhpur	8.20	1175	0	421	142	16	27.00	0.10	262	41	39	140	19.00	0.90	-	18	764
360	45A-3B1	KAN JEE KI SID	Bap	Jodhpur	8.15	3010	0	719.8	479.25	260	48.00	0.11	500	80	73	500	3.90	0.85	0.21	9	1957
361	45F-2B2	DEVATRA	Bhopalgarh	Jodhpur	7.35	2430	0	781	222	223	100.00	0.29	520	72	83	342	6.40	0.82	0.03	11.2	1580
362	45F-3B2	BENAN	Bilara	Jodhpur	7.10	10600	0	378	3195	402	200.00	0.07	1640	296	219	1720	15.80	0.80	0.06	51.3	6890
363	New	LUNI	Luni	Jodhpur	7.29	2570	0	640	475	92	200.00	0.04	450	45	82	460	7.00	0.80	0.06	32	1671
364	45B-3D10	CHOPASNI NATH	Mandore	Jodhpur	7.39	1870	0	482	162	248	120.00	0.01	385	89	40	270	14.00	0.80	-	14	1216
365	45F-3A2	MANDORE	Mandore	Jodhpur	7.68	1645	0	323	171	265	78.00	0.01	405	93	42	190	27.00	0.60	-	32	1069
366	45F-3A3	JODHPUR	Mandore	Jodhpur	8.05	6050	0	390	1240	167	1,010.00	-	1660	364	182	638	10.00	0.48	-	36.4	3933
367	45B-4D5	BUJAWAR	Luni	Jodhpur	7.72	470	0	189	46	50	12.00	0.02	192	60	10	38	6.00	0.25	0.08	24	306
368	45F-3b1	Dangiawas	luni	Jodhpur	8.41	3000	144	185	696	168	12.00	0.01	660	96	102	405	15.90	0.15	0.01	18	1950
369	54B-2B7	ISLAMPUR	Hindaun	Karauli	8.28	4200	0	842	682	440	9.00	0.03	710	28	156	650	1.90	2.20	0.04	10.2	2730
370	New	MAMCHARI	Karauli	Karauli	8.30	550	24	195	21	35	4.00	0.01	190	36	24	40	1.40	1.50	0.05	5.9	358
371	54B-2D5	BADH KAMLA	Nadauli	Karauli	8.38	3100	36	427	532	210	200.00	0.02	630	56	119	400	43.60	1.45	1.85	15.2	2015
372	New	DEEPPUR(Pz)	Karauli	Karauli	7.90	700	0	244	85	35	0.70	0.02	240	52	27	60	2.60	1.30	0.20	6.5	455
373	54B-2C1	NAROLI DANG	Sapotra	Karauli	8.30	750	36	256	43	30	28.00	0.03	190	20	34	92	0.90	1.20	0.35	10.3	488
374	54F-3A3	SANKRA	Karauli	Karauli	7.90	1310	0	220	240	92	30.00	0.03	160	16	29	226	2.00	1.15	1.60	12.3	852
375	54B-2C1	NADAUTI	Nadauli	Karauli	8.40	2120	60	342	390	110	24.00	0.02	390	24	80	260	90.00	1.10	0.05	11.2	1378
376	54B-3D2	KELADEVI	Karauli	Karauli	8.35	840	36	207	85	62	5.00	0.02	220	28	36	92	2.50	1.00	0.35	10.2	546
377	New	LOHARA	Karauli	Karauli	7.90	780	0	220	78	35	65.00	0.01	270	36	44	55	3.10	1.00	0.05	9	507
378	54F-3A2	MANDRAL	Sapotra	Karauli	8.38	1200	36	268	99	75	140.00	0.04	490	12	112	57	1.80	1.00	1.20	12	780
379	54B-3D5	SAPOTRA	Sapotra	Karauli	7.85	1400	0	293	210	57	150.00	0.01	410	76	54	115	44.80	0.96	0.20	10.2	910
380	54F-2A2A	GURLA	Karauli	Karauli	8.72	5000	84	415	1086	420	110.00	0.01	570	12	131	850	102.00	0.85	0.05	26.2	3250
381	54F-2A3	BHAUAPURA	Karauli	Karauli	8.53	800	24	183	99	40	30.00	0.03	180	20	32	100	1.20	0.82	0.08	10	520
382	54F-3A1	LANGRA	Sapotra	Karauli	7.90	800	0	220	92	50	30.00	0.01	260	52	32	60	3.20	0.82	0.95	8	520
383	54B-2D22	ATEWA	Karauli	Karauli	7.90	780	0	220	95	35	40.00	0.01	260	56	29	60	0.20	0.81	0.06	8	507
384	54B-2C3	SAHAR	Nadauli	Karauli	8.20	6990	0	342	1450	660	600.00	0.02	1610	284	219	790	135.00	0.75	0.09	25.2	4544

S.No.	Well No.	Location	Block	District	pH	EC in µS/cm at 250C	CO3	HCO3	Cl	SO4	NO3	PO4	TH	Ca	Mg	Na	K	F	Fe	SiO2	TDS
385	54B-3D3	BIJALPUR	Sapotra	Karauli	8.60	850	60	232	43	35	76.00	0.01	130	12	24	150	1.70	0.66	0.05	12	553
386	54B-3D6	KARSAI	Karauli	Karauli	8.00	2200	0	183	398	168	250.00	0.02	830	22	188	120	2.20	0.60	1.40	22	1430
387	New	HINDAUN	Hindaun	Karauli	8.32	1150	42	262	107	30	180.00	0.02	400	52	66	100	4.40	0.36	0.06	8	748
388	54C-3A1	MANDAVARA	DIGOD	Kota	8.91	810	48	310	78	10	14.00	0.05	230	28	39	110	1.00	1.40	0.05	8	527
389	54C-3A1	DIGOD	SULTANPUR	Kota	8.44	1295	48	464	114	10	5.00	0.30	300	40	49	160	2.10	0.95	0.28	7	842
390	45O-3D4	GUDLI	LADPURA	Kota	8.75	1150	60	366	64	120	15.00	0.03	390	36	73	115	1.40	0.90	0.30	9	748
391	45O-4D5	KHERARASULPUR	PIPADIA	Kota	8.28	1260	0	410	140	5	112.00	0.08	300	48	44	154	1.10	0.75	0.10	8	819
392	45P-1D3	Dara	Ramgang mandi	Kota	8.23	420	0	220	64	35	11.00	0.05	230	60	19	40	1.00	0.70	0.88	6	273
393	54C-3A2	Rattanpura	SULTANPUR	Kota	8.21	1620	0	544	170	170	21.00	0.16	360	44	61	240	2.30	0.70	0.25	9	1053
394	45O-4D8	ALANIYA	LADPURA	Kota	8.30	360	0	220	50	15	18.00	0.03	240	44	32	20	1.00	0.60	0.95	5.2	234
395	45O-4D7A	GIRDHARPURA	LADPURA	Kota	8.52	1290	24	73	263	170	10.00	0.20	340	64	44	150	2.10	0.60	0.35	8	839
396	54C-4A1	RAJGARH	SULTANPUR	Kota	8.51	720	36	244	64	30	6.00	0.02	290	52	39	46	2.10	0.60	0.05	7	468
397	54C-2B3	KESHVPURA	HAWA	Kota	8.29	1100	0	320	149	105	21.00	0.09	350	60	49	115	1.30	0.50	0.42	10	715
398	54C-2B2	KHATOLI	ITAWA	Kota	7.91	2900	0	464	391	605	12.00	0.06	570	140	54	460	3.70	0.45	0.90	9	1885
399	54C-4A2	GADEPAN	SULTANPUR	Kota	7.87	2850	0	464	575	245	3.00	0.18	700	180	61	345	2.40	0.23	5.80	5	1853
400	45O-4D1	KOTA	LADPURA	Kota	8.55	460	48	120	55	8	10.00	0.25	190	52	15	40	1.10	0.23	0.12	5	299
401	54C-3B3	AYANA	ITAWA	Kota	8.26	2200	0	320	220	420	111.00	0.95	560	124	61	250	1.00	0.20	0.15	10.3	1430
402	45O-4C1	BORAWAS	LADPURA	Kota	8.68	320	12	134	43	30	12.00	0.20	190	72	2	20.8	1.00	0.12	0.40	5	208
403	45P0-1D1	MANDANA	LADPURA	Kota	8.00	1250	0	366	178	105	22.00	0.16	380	76	46	140	1.00	0.12	0.20	10	813
404	45J-1B2	KITALSAR	DEGANA	Nagaur	8.90	3320	96	732	503	246	68.00	0.06	170	28	24	750	0.60	6.50	0.20	26	2158
405	56I-3C4	PADMANIWAS	Didwana	Nagaur	7.86	4080	0	1067	644	312	120.00	0.72	230	25	41	910	5.70	4.00	0.06	25	2652
406	45E-3C1	BARANI	Nagaur	Nagaur	7.80	13500	0	293	3050	2250	83.00	0.04	2280	796	71	2140	29.00	2.90	0.12	42	8775
407	45E-4B1	GURHA	Nagaur	Nagaur	8.23	5220	0	378	1219	729	101.00	0.07	520	100	66	1082	6.50	2.23	0.15	42	3393
408	45E-4B2	DEU	Nagaur	Nagaur	8.33	3990	36	323	942	526	30.00	0.01	510	85	72	790	8.10	2.00	0.10	37	2594
409	45I-2C2	SANWARD	LADNU	Nagaur	8.02	3260	0	665	524	66	410.00	0.14	700	37	148	445	18.00	1.50	0.16	18	2119
410	45I-3C3	SINGHANA	Didwana	Nagaur	8.30	11110	0	183	3226	795	650.00	0.04	1760	164	328	1958	34.00	1.33	0.12	41	7222
411	45J-2A3	RIYAN	RIYAN	Nagaur	7.82	4170	0	134	950	722	95.00	0.02	580	96	83	779	11.00	1.33	0.19	37	2711
412	45I-3B13	KOLIA	Didwana	Nagaur	7.82	2620	0	616	346	190	200.00	0.08	260	25	48	500	17.00	1.30	0.03	46	1703
413	45I-4B2	CHOTTI KHATU	DIDWANA	Nagaur	7.73	1820	0	526	254	125	120.00	0.09	583	63	103	200	6.90	1.20	0.10	25	1183
414	45J-1B2	HARSOR	Parbatsar	Nagaur	8.00	1870	0	291	262	213	225.00	0.08	539	132	51	195	44.00	0.93	0.08	26	1216
415	45I-3C5	RAGHUNATHPURA	Didwana	Nagaur	7.46	5340	0	903	1207	215	31.00	0.02	320	32	58	1085	10.00	0.76	0.06	11.2	3471
416	45j-4a14	Hajiwas	Raipur	Pali	8.22	2790	0	677	477	183	60.00	0.20	240	41	33	565	8.50	3.00	-	27	1814
417	45G-1B3A	SARDAR SAMAND	SOJAT	Pali	7.91	1980	0	433	341	140	65.00	0.20	310	68	34	337	3.00	2.10	0.60	24	1287
418	45G 1A6	BALWANA	Sumerpur	Pali	7.83	8800	0	1525	1491	942	80.52	0.01	1200	120	219	1474	2.21	2.03	0.04	35	5720
419	45G-1B4	KANAWAS	SOJAT	Pali	7.48	4320	0	921	787	246	30.00	0.02	310	25	60	840	20.00	2.00	-	24	2808
420	45G 1B2	GEMTI	Pali	Pali	7.84	2000	0	525	206	198	103.93	0.05	640	100	95	173	1.60	1.99	0.02	15	1300
421	45F-4D3	PRITHVIPURA	JAITARAN	Pali	7.34	6240	0	1403	1278	196	26.00	0.04	400	20	85	1270	18.00	1.82	0.74	12	4056
422	45G 1B2	KHUDALA		Pali	8.79	6300	240	549	1136	668	-	0.01	700	100	109	1128	1.70	1.63	0.13	9	4095
423	45J-4A4	RAIPUR-1	Raipur	Pali	7.41	4550	0	183	1172	366	172.00	0.09	1100	140	182	560	9.00	1.62	0.35	10.2	2958
424	45G 4A4	PERWA	Bali	Pali	8.07	1100	0	366	142	42	27.88	0.02	190	44	19	173	6.10	1.48	0.08	8	715
425	45J-3A3	Bassi	JAITARAN	Pali	7.11	5280	0	793	1456	73	26.00	0.06	500	40	97	1058	8.90	1.47	0.01	14	3432
426	45G 2A1	DHOLA	_	Pali	8.36	900	36	256	64	98	2.23	0.02	310	32	56	73	0.40	1.32	1.04	8	585
427	45G 4B5	RADAWAS	Bali	Pali	8.20	9300	60	110	149	54	2.37	0.03	140	24	19	148	3.00	1.22	0.97	29.6	6045

S.No.	Well No.	Location	Block	District	pH	EC in µS/cm at 250C	CO3	HCO3	Cl	SO4	NO3	PO4	TH	Ca	Mg	Na	K	F	Fe	SiO2	TDS
428	45G 3B1	KIRWA	Rani	Pali	8.41	140	60	183	284	84	-	0.02	160	32	19	268	2.60	1.11	0.08	10.2	91
429	45J-4A2	NIMAJ	Raipur	Pali	7.79	1270	0	433	145	120	16.00	0.05	110	36	5	271	2.00	1.10	6.20	12	826
430	45G 1B1	PALI	Pali	Pali	7.98	1000	0	366	71	128	11.53	0.02	300	60	36	112	4.60	1.09	0.06	10.5	650
431	45G 3A2	SANDERAO	Sumerpur	Pali	7.33	4200	0	1464	497	102	136.32	0.01	1000	160	146	484	55.00	0.85	-	20.2	2730
432	45G 4A3	NMBORNATH	Sumerpur	Pali	8.07	700	0	244	71	42	-	0.01	240	64	19	46	8.10	0.81	0.03	10.2	455
433	45C 1D1	VAED	Rohat	Pali	7.72	6700	0	610	862	1508	97.45	0.01	1550	200	255	781	94.00	0.75	1.54	21.2	4355
434	45J-4A5	RAIPUR-2	Raipur	Pali	7.32	2680	0	403	514	202	127.00	0.04	490	116	49	391	23.00	0.63	3.17	24	1742
435	45L-4C1	BARAWARDA	Pratapgarh	Pratapgarh	8.39	450	24	122	35	70	9.00	0.14	250	64	22	14	1.00	1.90	0.65	4	293
436	New	Devgarh	Pratpgarh	Pratapgarh	8.18	1410	0	37	419	105	55.00	0.09	240	92	2	250	1.20	1.80	0.50	5	917
437	45L-3C1	Choti Sadri	Choti sadri	Pratapgarh	8.29	710	0	122	150	10	36.00	0.11	220	52	22	62	1.00	1.30	1.70	5	462
438	46I-1B4	MUNGANA	Dhariawad	Pratapgarh	7.76	1120	0	329	114	120	52.00	0.20	540	84	80	32	1.00	0.95	1.25	5.2	728
439	45L-3B4	ARAMPURA	Dhariawad	Pratapgarh	8.27	420	0	245	50	10	9.00	0.12	250	48	32	20	1.10	0.90	0.30	5	273
440	46i-1c4	Suhagpura	Pratapgarh	Pratapgarh	8.53	570	60	140	40	2	20.00	0.06	190	44	19	46	1.10	0.62	0.05	5	371
441	45L-4D3	Mokhampura	Pratapgarh	Pratapgarh	8.27	450	0	220	21	10	40.00	0.80	200	40	24	25	1.00	0.60	1.08	6	293
442	46I-2D1	NINOR	Arnaod	Pratapgarh	7.93	1160	0	390	156	25	22.00	0.05	350	80	36	110	1.10	0.60	0.05	6	754
443	45L-3B3	KALAKHET	Dungla	Pratapgarh	8.09	710	0	439	57	40	2.00	0.05	440	120	34	20	1.00	0.52	4.12	6	462
444	New	Pratapgarh	Pratapgarh	Pratapgarh	8.36	1280	60	293	135	140	15.00	0.18	390	10	89	138	1.40	0.40	2.00	8	832
445	46I-1C2	PIPAL KHUNT	Pipalkhunt	Pratapgarh	8.22	470	0	200	158	5	11.00	0.13	360	80	39	20	1.10	0.30	0.92	5	306
446	45L-4D2	RAJPURIA	Pratapgarh	Pratapgarh	8.60	900	12	260	145	4	42.00	1.20	240	80	10	111	1.10	0.30	1.00	6	585
447	46i-1b5	Deola	Dhanwad	Pratapgarh	7.92	510	0	268	35	45	15.00	0.18	270	52	34	28	1.00	0.30	0.05	5	332
448	45K-1A1	Sheron Ka Bala	Bhim	Rajsamand	8.22	860	0	310	99	5	30.00	0.32	300	96	15	60	1.10	2.30	0.45	6	559
449	45G-4D2	NADIAWALA	Amet	Rajsamand	7.63	3200	0	410	348	500	352.00	0.06	1520	28	353	55	1.40	1.70	0.08	6.3	2080
450	45L-1A2	GAVERDI	Railmagra	Rajsamand	7.91	1595	0	350	290	20	85.00	1.20	450	60	73	160	1.70	1.60	0.03	8	1037
451	45G-4D5	MANSINGH KAGURA	Kumbhalgarh	Rajsamand	8.42	670	36	250	65	5	15.00	0.14	320	40	54	28	1.00	1.50	0.05	6	436
452	45G-4D4	Rajsamand	Rajsamand	Rajsamand	7.80	3500	207	450	380	450	120.00	0.11	345	80	35	680		1.20	0.05	14.5	2275
453	45H-1C6	KANCHOLI	Kumbhalgarh	Rajsamand	8.00	970	0	350	90	20	75.00	0.17	400	100	36	46	1.00	0.65	0.05	8	631
454	45H-1C2	SANGET	Kumbhalgarh	Rajsamand	7.99	1070	0	342	142	60	60.00	0.11	340	44	56	115	2.40	0.56	0.40	8	696
455	45g-2d3	Bagar	rajsamand	Rajsamand	7.91	1510	0	305	270	20	159.00	0.02	280	60	32	230	2.20	0.50	2.60	11	982
456	45G-4D1	MOKAMPURA	Rajsamand	Rajsamand	8.29	1460	0	488	178	60	65.00	0.09	680	140	80	40	1.10	0.50	1.60	10.2	949
457	45K-1A4	BALI	Bhim	Rajsamand	7.86	820	0	264	121	56	26.00	0.04	340	76	36	60	1.20	0.35	0.05	5	533
458	45K-2A1	Bhim	Bhim	Rajsamand	7.55	2230	0	293	550	40	185.00	0.11	460	132	32	345	2.40	0.30	0.06	12.3	1450
459	45G-4C2	KELWARA	Kumbhalgarh	Rajsamand	7.67	1240	0	280	220	5	165.00	0.06	480	108	51	92	1.40	0.30	0.18	10.3	806
460	45H-1D1	ODAN	Khamnor	Rajsamand	8.57	870	36	134	110	10	125.00	0.05	310	80	27	60	1.00	0.20	0.08	6.6	566
461	54B 2CQA	GANGAPUR	GANGAPUR	S.Madhopur	8.64	2400	84	171	412	318	43.21	0.01	320	48	49	424	0.20	3.80	0.03	11	1560
462	54B 2C2A	PIPLAI	BAMANWAS	S.Madhopur	9.06	3300	120	427	427	485	2.12	0.05	600	80	97	492	0.40	2.75	0.09	15	2145
463	54B 3B6	MORAL TIWARA	BAMANWAS	S.Madhopur	8.37	1880	60	488	121	226	17.24	0.06	600	100	85	152	0.80	2.63	na	10	1222
464	54B-3B4	BONALI	BONLI	S.Madhopur	8.73	820	24	290	71	12	62.00	0.50	140	24	19	142	1.40	2.06	0.10	6.3	533
465	54B 2C2A	MEENAPARA	BAMANWAS	S.Madhopur	8.25	1600	0	366	178	198	42.24	0.02	400	60	61	184	0.40	1.61	0.11	5	1040
466	54B 2D2A	RAIPUR	GANGAPUR	S.Madhopur	8.21	120	0	305	184	92	32.66	0.01	220	36	32	192	1.30	1.54	0.09	8	78
467	54B-4B3	SURWAL	SAWAIMADHOPUR	S.Madhopur	8.56	620	36	207	71	5	5.00	0.03	300	24	58	20	1.00	1.34	0.20	5	403
468	54B-4B5	BHADOTI	BONLI	S.Madhopur	7.99	1600	0	320	190	5	320.00	0.10	450	52	78	160	2.40	1.10	4.52	8	1040
469	54B 2D4	SEWA	GANGAPUR	S.Madhopur	7.63	8000	0	1769	852	1250	50.00	0.03	2100	300	328	882	13.40	0.75	na	20.3	5200
470	54b-3b9	Tond	BONLI	S.Madhopur	8.60	1330	48	360	213	30	16.00	0.12	220	20	41	230	1.10	0.74	5.09	6	865

S.No.	Well No.	Location	Block	District	pH	EC in µS/cm at 250C	CO3	HCO3	Cl	SO4	NO3	PO4	TH	Ca	Mg	Na	K	F	Fe	SiO2	TDS
471	54B-4C1	KHANDAR	KHANDAR	S.Madhopur	7.63	1680	0	260	250	60	320.00	-	670	128	85	100	1.60	0.64	-	6	1092
472	54B-3B1	MALARNACHOR	BONLI	S.Madhopur	8.13	530	0	281	50	5	52.00	0.03	310	84	24	18	1.00	0.63	0.61	5	345
473	54B 2C4	BAMANWAS	BAMANWAS	S.Madhopur	8.80	1500	60	303	199	128	6.70	0.06	450	52	78	139	15.80	0.59	0.54	12	975
474	54C-1B3	HINDWAR	SWAIMADHOPUR	S.Madhopur	8.17	440	0	190	90	12	40.00	-	280	44	41	24	1.20	0.51	10.50	5.2	286
475	54C-1B5	CHANN	KHANDAR	S.Madhopur	7.52	1080	0	293	156	50	95.00	-	550	100	73	18	1.00	0.45	1.07	5.9	702
476	54C-1B2	BODAL	SWAIMADHOPUR	S.Madhopur	8.87	590	60	70	50	5	95.00	-	190	48	17	55	1.10	0.37	0.73	5.2	384
477	54c-1b1	kushtala	Sawaimadhopur	S.Madhopur	7.96	1040	0	329	178	20	59.00	-	340	72	39	116	1.10	0.30	1.15	5	676
478	54C-1C1	PHARIYA	SWAIMADHOPUR	S.Madhopur	8.15	680	0	207	107	40	65.00	0.02	380	56	58	20	1.00	0.19	1.91	6	442
479	54B-4B4	RANTHAMBORE	SWAIMADHOPUR	S.Madhopur	7.62	1640	0	250	240	29	320.00	-	550	116	63	130	1.40	0.12	0.43	8	1066
480	new	KUSHALPURA	BONLI	S.Madhopur	8.26	470	0	232	57	60	5.00	0.07	300	56	39	17	1.00	0.08	0.39	5	306
481	45M-2A8A	KATRATHAL	PIPRALI	Sikar	8.00	550	0	210	55	2	39.00	0.06	250	40	36	20	1.00	2.20	0.36	5	358
482	45I1D2	FATHEPUR	FATHEPUR	Sikar	8.58	2190	96	781	163	21	65.00	0.30	350	64	46	350	1.40	1.90	0.21	8	1424
483	45M-1A2A	LAKXMANGARH	LAKXMANGARH	Sikar	8.61	1550	120	390	177	10	60.00	0.26	190	24	32	295	1.80	1.60	0.08	8	1008
484	45M-1A10	BAU	LAKXMANGARH	Sikar	8.30	1000	0	260	110	20	150.00	0.20	210	16	41	140	1.00	1.57	0.05	5.6	650
485	new	Anokho pz	DHOD	Sikar	8.88	2120	60	183	530	25	60.00	0.32	200	24	34	402	1.70	1.20	0.20	7	1378
486	45I-2D7	BINJYASI	DHOD	Sikar	8.20	2030	0	378	433	20	120.00	0.21	170	40	17	400	2.40	1.20	0.01	6.3	1320
487	45I-1D18A	JAJOD	LAKXMANGARH	Sikar	8.92	2000	120	659	234	10	32.00	0.28	200	28	32	420	1.80	1.06	0.03	10.2	1300
488	45M-3B2B	MANDHA	DANTA RAMGARH	Sikar	8.24	830	0	240	78	125	6.00	0.24	190	16	36	118	3.10	1.06	-	6	540
489	45I-2D1B	NECHWA	LAKXMANGARH	Sikar	8.30	3300	0	510	852	16	25.00	0.41	400	60	61	575	7.10	0.89	0.03	16.2	2145
490	45M-1D1	Patan	NEEMKATHANA	SIKAR	7.95	1360	0	354	177	103	140.00	-	440	56	73	144	7.00	0.86	0.60	38	884
491	45M2-2B6A	PIPRALI	PIPRALI	Sikar	8.26	390	0	210	35	20	35.00	0.09	230	56	22	20	1.00	0.69	0.25	4	254
492	45M-2A4A	DHOD	DHOD	Sikar	8.11	1740	0	390	320	65	55.00	-	220	68	12	310	1.10	0.60	0.06	8.2	1131
493	45M-3A1A	KARANPURA	Danta ramgarh	Sikar	8.40	720	60	159	78	12	35.00	0.23	150	12	29	110	1.00	0.54	0.01	5	468
494	45M-3A3A	KHATU SHAYAMJI	DANTA RAMGARH	Sikar	8.15	710	0	290	60	5	65.00	0.24	300	40	49	40	1.10	0.42	0.04	6.2	462
495	45I-2D16A	SEWAD BARI	DHOD	Sikar	8.47	1200	60	290	142	25	140.00	0.09	180	36	22	230	1.10	0.42	0.20	12	780
496	New	Berla Mode	NEEMKATHANA	SIKAR	7.72	2370	0	329	447	345	3.00	-	530	84	78	313	42.00	0.42	0.45	45	1541
497	45M-2B7	DHUDH KA BAS	KHANDELA	Sikar	7.95	2410	0	293	710	20	25.00	0.09	170	50	11	510	3.30	0.40	0.16	10	1567
498	45M-2B6	GORIYA	PIPRALI	Sikar	8.20	570	0	210	64	5	41.00	0.03	250	30	43	25	1.00	0.40	0.06	6	371
499	45M-2A7A	GOKALPURA	PIPRALI	Sikar	8.28	840	0	260	142	4	30.00	0.28	300	72	29	65	1.00	0.22	0.03	5.2	546
500	45M-2A10	SABALPURA	FATHEPUR	Sikar	8.42	780	12	281	85	30	22.00	0.30	220	40	29	92	1.00	0.20	0.01	10.2	507
501	45D-1C2	Kalandri	Sirohi	Sirohi	7.80	4510	0	756	730	362	250.00	0.01	590	104	80	750	24.70	4.20	0.06	16	2932
502	45D-1D3	Ambeshwarji	Sirohi	Sirohi	8.15	800	0	134	92	115	45.00	0.10	220	56	19	120	0.60	3.60	4.50	10.2	520
503	45D-2B3	Jirawal	Sirohi	Sirohi	8.04	1480	0	293	121	182	192.00	0.02	490	132	39	102	45.70	3.60	0.05	11	962
504	New	Manpur	Sirohi	Sirohi	7.40	4000	0	451	880	250	240.00	0.01	990	192	124	500	0.80	2.80	3.50	19.8	2600
505	New	Veer Vara	Sirohi	Sirohi	7.60	1250	0	366	128	100	40.00	0.02	370	72	46	96	37.00	2.40	0.15	16.3	813
506	45D-2D2	Abu Road	Sirohi	Sirohi	7.64	2710	0	622	462	135	60.00	0.01	530	72	85	360	35.50	2.30	0.05	20	1762
507	45D-3D1	Siyana	Sirohi	Sirohi	7.90	1930	0	268	284	265	80.00	0.01	260	48	34	325	0.30	2.30	0.05	14.2	1255
508	New	Reodar	Sirohi	Sirohi	7.60	2370	0	464	398	145	105.00	0.01	680	132	85	230	4.10	2.20	0.20	12.2	1541
509	45D-2C3	Karaunti	Sirohi	Sirohi	8.25	650	0	61	64	130	50.00	0.01	190	48	17	60	1.80	2.10	0.25	11	423
510	New	Gulab Ganj	Sirohi	Sirohi	7.75	1280	0	183	165	110	160.00	0.01	290	56	36	120	69.60	2.10	0.50	11	832
511	45D-2D1	Sarupganj	Sirohi	Sirohi	7.80	3470	0	537	625	205	252.00	0.01	580	100	80	532	9.50	2.00	0.05	19	2256
512	New	MungthallaPZ	Sirohi	Sirohi	7.75	750	0	146	71	111	60.00	0.01	270	60	29	55	5.20	1.90	0.05	16.3	488
513	New	Jhadoli	Sirohi	Sirohi	7.80	850	0	183	99	90	50.00	0.01	240	56	24	88	0.90	1.50	0.05	23	553

S.No.	Well No.	Location	Block	District	pH	EC in µS/cm at 250C	CO3	HCO3	Cl	SO4	NO3	PO4	TH	Ca	Mg	Na	K	F	Fe	SiO2	TDS
514	45D-1D1	Sirohi	Sirohi	Sirohi	8.00	1000	0	281	71	120	60.00	0.24	430	116	34	34	4.00	1.40	0.06	12.3	650
515	45D-1D1	Pindwara	Sirohi	Sirohi	7.50	6200	0	439	1676	265	200.00	0.01	1580	440	117	730	2.50	1.40	0.06	32.2	4030
516	45D-2C2	Palri	Sirohi	Sirohi	7.70	940	0	170	85	120	105.00	0.01	320	92	22	50	1.80	1.10	0.15	10.3	611
517	New	Posalia	Sirohi	Sirohi	7.80	620	0	220	42	50	15.00	0.01	190	56	12	40	27.00	1.00	2.40	20	403
518	New	NAGAR	NENWA	Tonk	8.70	1220	60	488	64	212	23.00	0.08	110	20	15	285	2.00	5.56	0.42	16	793
519	45N-4D5	GHANA	TONK	Tonk	8.70	1310	36	537	160	68	34.00	-	130	64	-7	202	71.00	3.40	0.12	28	852
520	45N3B2	JAISINGHJPUR	MALPURA	Tonk	8.71	1850	72	488	199	266	20.00	-	140	20	22	438	4.00	3.26	0.30	22	1203
521	New	Sirohi	Deoli	Tonk	8.52	1570	72	525	199	72	7.00	-	110	20	15	368	2.00	2.86	0.15	27	1021
522	45N4D2	NAYAGAON	UNIARA	Tonk	8.71	1080	36	293	128	125	23.00	-	160	16	29	207	1.00	2.46	0.10	16	702
523	54C-1A1A	ALIGARH	UNIARA	Tonk	8.70	1175	60	439	28	135	60.00	0.14	70	20	5	285	1.00	2.02	0.89	27	764
524	45N-4C2	HAMIRPURA	TODA REISINGH	Tonk	7.86	2120	0	305	461	214	72.00	-	470	80	66	325	5.00	1.10	0.35	30	1378
525	45N-4D3	SOHELA	TONK	Tonk	7.89	7110	0	195	1794	1210	66.00	-	1820	252	289	1002	5.00	0.95	0.20	64	4622
526	45N-4B1	TODA REISINGH	TODA REISINGH	Tonk	8.27	1635	0	329	213	95	209.00	-	310	64	36	202	71.00	0.86	0.20	34	1063
527	45N-4D4	ARNIYALMAL	TONK	Tonk	8.89	1080	36	146	121	207	46.00	-	200	24	34	163	39.00	0.83	0.12	22	702
528	45O-1D1A	DIKOLIYA	UNIARA	Tonk	8.09	1940	0	342	298	356	13.00	0.10	450	72	66	291	2.00	0.83	0.22	34	1261
529	45O-1C2	MAUHA	TONK	Tonk	7.98	990	0	220	156	90	5.00	-	200	48	19	137	2.00	0.66	0.05	18	644
530	45N3D1A	NIWAI	NIWAI	Tonk	8.07	1200	0	268	199	115	90.00	0.06	300	60	36	180	3.00	0.62	0.32	20	780
531	450-1C1	BANTHOLI	DEOLI	Tonk	8.01	4440	0	220	1291	245	102.00	-	430	148	15	614	20.00	0.38	0.20	22	2886
532	45c-1A3	Jainagar	UNIARA	Tonk	7.87	1370	0	134	348	8	97.00	-	520	132	46	77	1.00	0.38	0.15	32	891
533	45N-3B1A	MALPURA	MALPURA	Tonk	8.70	410	12	146	43	18	3.00	-	140	36	12	36	3.00	0.34	0.12	22	267
534	45N4C1	NEHDWAS	TONK	Tonk	7.82	5610	0	451	1489	112	720.00	-	800	72	151	1086	8.00	0.27	0.02	42	3647
535	45H-4D2	SARADA	SARADA	Udaipur	7.81	620	0	232	71	60	10.00	0.05	290	80	22	40	1.00	3.60	0.10	6	403
536	45H-4D3	SEMRI	SARADA	Udaipur	8.81	1400	96	370	178	22	33.00	0.08	380	120	19	180	1.20	3.40	0.95	10	910
537	45H-1D2	MAVLI	MAVLI	Udaipur	7.69	2420	0	536	568	100	41.00	0.06	880	200	92	230	2.40	1.60	0.06	8	1573
538	45H-4C1	SALUMBAR	SALUMBAR	Udaipur	7.89	2560	0	366	440	240	180.00	0.02	800	204	71	240	1.40	1.60	0.60	12	1664
539	45L-4A2	KHAIRKA	SALUMBAR	Udaipur	8.07	780	0	256	107	15	62.00	0.15	390	80	46	20	1.00	1.30	0.08	8	507
540	45H-4D5	KALYANPURA	KHERWARA	Udaipur	8.03	1410	0	380	213	30	63.00	0.10	400	100	36	140	1.00	1.20	0.20	10.2	917
541	45H-3C2	PADUNA	GIRWA	Udaipur	8.63	640	48	180	40	5	40.00	0.32	250	80	12	35	1.20	1.20	0.20	6.5	416
542	45H-4C2	PARSHAD	SARADA	Udaipur	7.99	1470	0	292	213	185	22.00	0.05	560	120	63	92	1.40	1.20	0.05	8.2	956
543	45H-4D2	SARADA	SARADA	Udaipur	8.11	1020	0	232	92	210	20.00	0.03	520	120	54	20	1.10	1.20	0.10	6.5	663
544	45L-3A1	GUREL	GIRWA	Udaipur	7.89	1000	0	244	135	95	20.00	0.07	400	100	36	49	2.10	0.96	0.85	6	650
545	45H-4B3	SOM	JHAROL	Udaipur	8.27	640	0	140	121	65	8.00	0.10	120	40	5	115	1.70	0.90	1.20	11	416
546	46E-1C4	KHERWARA	KHERWARA	Udaipur	8.08	1020	0	280	178	20	52.00	0.07	420	120	29	60	1.20	0.89	0.20	7	663
547	45H-2D1A	BHOYANA	MAVLI	Udaipur	8.22	2100	0	350	532	50	61.00	0.07	600	140	61	250	2.10	0.85	2.00	9.2	1365
548	45L-2A1	BHATEWAR	BHINDER	Udaipur	8.09	1050	0	244	20	230	69.00	0.09	330	80	32	95	1.10	0.82	0.25	6.5	683
549	45H-2B1	PADDAWALI KALLAN	KOTRA	Udaipur	8.28	820	0	250	142	20	12.00	0.07	350	80	36	40	1.00	0.68	0.06	6	533
550	45H-3D1	KURABAR	GIRWA	Udaipur	7.74	850	0	230	128	15	95.00	0.08	400	100	36	30	1.00	0.65	0.10	8.2	553
551	45H-2C5	RAMGIN	GIRWA	Udaipur	7.76	770	0	292	149	5	20.00	0.07	430	120	32	20	1.00	0.60	0.20	6.5	501
552	45H-4B1	AMALIA	JHADOL	Udaipur	7.92	760	0	210	140	10	36.00	0.20	330	80	32	40	1.10	0.56	2.60	5.6	494
553	45H-2D4	HARYAB	BHINDER	Udaipur	8.14	600	0	140	120	20	95.00	-	340	80	34	20	1.10	0.56	0.90	5	390
554	45L-2A6	BHINDER	BHINDER	Udaipur	7.80	1840	0	305	260	260	30.00	0.05	570	120	66	160	2.10	0.55	0.10	8.6	1196
555	45H-4B6	GARANWAS	JHADOL	Udaipur	8.30	680	0	280	85	10	35.00	0.05	240	60	22	70	1.10	0.52	0.12	8	442
556	45H-3B2	LUNIYARA	JHADOL	Udaipur	8.22	910	0	320	156	30	30.00	0.20	300	80	24	110	1.20	0.50	0.05	7.6	592

S.No.	Well No.	Location	Block	District	pH	EC in µS/cm at 250C	CO3	HCO3	Cl	SO4	NO3	PO4	TH	Ca	Mg	Na	K	F	Fe	SiO2	TDS
557	45H-3C3	UNDRI	GIRWA	Udaipur	8.42	920	60	150	185	8	9.00	0.05	250	80	12	115	1.20	0.44	1.10	5	598
558	45H-1B3	PUNAWALI	GOGUNDA	Udaipur	7.91	750	0	207	121	5	40.00	0.08	300	80	24	38	1.00	0.42	1.75	5	488
559	45H-2C3	SAVINA	GIRWA	Udaipur	7.87	2010	0	378	405	120	10.00	0.05	300	80	24	331	1.20	0.30	0.50	6.6	1307
560	45H-3B4	GHORI MARI	JHADOL	Udaipur	7.98	780	0	210	130	5	49.00	0.05	250	60	24	69	1.00	0.23	0.20	7	507
561	45H-1B1	JASWANTGARH	GOGUNDA	Udaipur	8.21	1050	0	464	71	40	60.00	0.18	450	100	49	60	1.00	0.08	1.65	6.3	683