GROUND WATER YEAR BOOK
UTTAR PRADESH
(2014 - 2015)

Foreword

Groundwater on account of its universal availability, dependability and low capital cost, is the major source of water to meet the requirement of various sector in India. However, with a rapid growth of population and all round development, there is incessant pressure on the ground water withdrawal resulting compulsive awakening in terms of both the quality and quantity. Ground water has an important role in meeting the water requirements of agriculture, industrial and domestic sectors in the state. About 78% percent of irrigation requirements in the Uttar Pradesh state are being met from ground water resources. If the present trend of the increasing demand remains incontrollable, the resource may be as strategic as are the minerals resources. Though in contrast to this, the resource of groundwater as a part of hydrologic cycle is replenishable.

The indiscriminate exploitation of groundwater has led to depletion of storage is essential in order to avoid the adverse impact. This could be achieved only after careful monitoring of various inpiuts of hydrological system. Temporal variation in the Ground water system need to be studied for the scientific management of the resource. In view of this Central Ground Water Board, Northern Region, Lucknow has setup a network of 1241 Ground Water Monitoring Wells all over the state to maintain a regular database. The behavior of water level is monitored four times every year in May, August, November and January. To ascertain the hydrochemical behavior of ground water, samples are collected from representative wells once a year during the month of May and samples are analysed in the chemical laboratory of the office.

The data thus generated are analysed and subjected to various types of interpretation using dedicated software – GEMS (Ground Water Estimation and Management System).

The present report, Ground Water Year Book 2014 -15, is the outcome of efforts made by Dr. R.K. Prasad, Scientist 'B' (HM), Sri Anmol Sharma, Assistant Hydrogeologist Puja Mehrotra, Scientist 'C' (Chemist), Sri D.N. Arun, Regional Director(retired). Their efforts in compilation of report are praise worthy. The input data is generated by the untiring efforts of technical personnel in the field and chemical lab.

It is hoped that the information and data presented will be of immense use to planners and ground water managers associated with the development and management of ground water resources in the state.

(Y.B.Kausik)
Regional Director

GROUND WATER YEAR BOOK

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EXECUTIVE SUMMARY

The state of Uttar Pradesh covering an area of 2,40,928 Sq. km. forms a part of the vast Gangetic plain. It is a south easterly sloping flat terrain with a gentle, variable land slope, steeper in western part and flattening eastward. The river Ganga is the major drainage with Yamuna, Ram Ganga, Gomti and Ghagra as its main tributaries. The state is characterized by sub-tropical climate. The average annual rainfall is around 1000 mm, 85% of which occurs during monsoon period. The rainfall is highest in northern and eastern part of the state which gradually decreases towards west and south west.

The state consists of two geomorphic units (i) Ganga plains (ii) Bundelkhand plateau. The Ganga plain covers nearly 85% area and is underlain by a thick pile of unconsolidated alluvial sediments of Quaternary age overlying the Precambrian basement. These sediments consist of sands of different grades with clay, silt and occasional gravel and kankar. The southern part of the state comprises of hard rocks of Bijawar and Vindhyan groups. The alluvium forms a very rich reservoir of ground water. The exploratory data have shown that ground water occurs in a multiple aquifer system which can broadly be divided into four groups. The shallow aquifer is being extensively exploited and hence is under heavy stress.

The plentiful availability of ground water in the state has led to high level of development in certain parts of the state. The monitoring of hydrological regime is of utmost importance for a scientific and planned management of the resource. Central Ground water Board has been monitoring the ground water regime since 1969 and has generated a vast database to understand the behavior of water levels in response to recharge to ground water storage or withdrawal from it. The data is being analysed and reported annually. The present report is one in the series. There are 1241 Ground Water Monitoring Wells as on 01.4.14 out of which 298 are piezometers and 943 open dug wells. The observed number of data varies from season to season on account of problems of approachability to site.

The depth to water level was found to vary from season to season over the state. The percentage of wells showing water level depth of different range during the year is summarised below:

DEPTH RANGE (m)	No. and Percentage of wells			
	May'14	*Aug'14*	*Nov'14*	*Jan'15*
0-2	22(2.1%)	189(19.6%)	121(12.9%)	66(8.6%)
2-5	391(37.6%)	333(34.6%)	354(37.8%)	312(40.6%)
5-10	404(38.9%)	262(27.2%)	270 (28.8%)	249(32.4%)
10-20	180(17.3%)	143(14.8%)	151(16.1%)	111(14.5%)
>20	39(3.7%)	32(3.3%)	38(4%)	27(3.5%)

The different range of depth to water level in different seasons show that ground water was recharged due to rainfall infiltration during monsoon. During the monsoon period (Aug'14) water levels of less than 2 mbgl is observed at 19.6% of the wells causing water logging in canal command areas. The number of wells showing water level in the range 2-5 m decreased in Aug'14 and increased in Nov'14. The number of wells showing water level in the range 5-10 m reduces in Aug'14 and further increases in Nov'14.The deep water level area remained stable indicating very less immediate response to rainfall.

The quantum of fluctuation during the year was assessed using pre and post monsoon DWL data of the year. The data indicates that 95% of well have shown a rise. The replenishment of ground water has taken place during monsoon.

Fluctuation Change of Groundwater Storage in U.P. (2014-15)

Magnitude of Change (m)	May'14 – Nov'14		May'14 – Jan'15	
	Rise (%)	Fall (%)	Rise (%)	Fall (%)
0-2	46.2	33.7	54	4
2-4	14.8	1	31	0.40
>4	1.4	0.79	10	0.40

The quantum of fluctuation during the year was assessed using pre and post monsoon DWL data of the year. The fluctuation of DWL between May'14 and Jan'15 indicate that 95% wells show rise and 5% fall. The behavior of water level during the year was compared with previous year which on district level have been presented in the present report. The position of the state as a whole may be evaluated from the following figures:

Annual Fluctuation in Water Level During 2014 –15, U.P.

FLUCTUATION RANGE	May 13 - May 14		August 13 - August 14		November 13 - November 14		January 14 - January 15	
	Rise (%)	*Fall (%)*	*Rise (%)*	*Fall (%)*	*Rise (%)*	*Fall (%)*	*Rise (%)*	*Fall (%)*
0-2	470 (58.8%)	224 (28%)	154 (20.39%)	392 (51.9%)	167 (20.9%)	476 (59.7%)	76 (11.6%)	465 (71.4%)
2-4	65 (8.1%)	14 (1.7%)	22 (2.9%)	130 (17.2%)	8 (1%)	110 (13.8%)	3 (0.46%)	89 (13.6%)
>4	10 (1.2%)	7 (0.87)	8 (1%)	5 (5.6%)	1 (0.12%)	28 (3.5%)	1 (0.15%)	15
TOTAL	545 (68.2%)	245 (30.7%)	184 (24.3%)	565 (74.8%)	176 (22.1%)	614 (77.13%)	80 (12.2%)	569 (87.4%)

From the analysis of table it is evident that the water level has shown a fall in more than half of the wells in August'14, November'14 and January'15 as compared to previous years. This is due to less monsoon rainfall experienced in almost all parts of the state in 2014. The magnitude of rise and decline is largely 0 – 2m.

The behavior of water level on long term basis has been studied by comparing the current water level with the ten year average water level. This would take into account the various highs and lows and give a more realistic picture. The status for the state as a whole is summarized as under:

DECADAL FLUCTUATION 2014 – 15, U.P.

FLUCTUATION RANGE	Mean May(2004-13) to May'14		Mean August(2004-13) to August'14		Mean Nov(2004-13) to November'14		Mean Jan(2005-14) to January'15	
	Rise (%)	*Fall (%)*	*Rise (%)*	*Fall (%)*	*Rise (%)*	*Fall (%)*	*Rise (%)*	*Fall (%)*
0-2	447 (49.7%)	293 (32.6%)	260 (31.4%)	406 (49.1%)	251 (29.7%)	459 (54.3%)	209 (30.3%)	402 (58.4%)
2-4	95 (10.5%)	31 (3.4%)	42 (5.0%)	92 (11.1%)	22 (2.6%)	88 (10.4%)	11 (1.5%)	53 (7.7%)
>-4	20 (2.2%)	8 (0.89%)	11 (1.33%)	15 (1.8%)	4 (0.47%)	21 (2.4%)	4 (0.58%)	9 (1.3%)
Total	562 (62.5%)	332 (36.9%)	313 (37.8%)	513 (62.1%)	277 (32.7%)	568 (67.2%)	224 (32.5%)	464 (67.4%)

From the analysis of table it is evident that 36.9 % of the wells have shown the water level fall in May'14 as compared to mean of last ten years. The decline in water level has

gradually increases in more than half of the wells in Aug'14, Nov'14 and January'15 as compared to mean of last ten years because of less monsoonal rain fall in 2014. The changes in water level with respect to mean were confined to a magnitude of 0-2 m. The rise/fall of higher magnitude was limited and isolated in nature.

Trend of Water Level:

The seasonal, annual and decadal fluctuations give an idea of the behavior of the water level but are subjected to many anomalous factors which give a short term picture. To have a true picture where highs and lows are balanced out, the long term trend for ten years 2005 to 2014 has been worked out and analyzed on the basis of DWL data of Ground Water Monitoring Wells. The pre monsoon, post monsoon and annual trend for the mentioned period is given in Annexure-II.

The declining trend data during Pre-monsoon for the period 2005-2014 are summarized as follows:

Percentage of wells showing Decline in Pre-monsoon DWL (cm/year)		
0-20cm	**20-40 cm**	**>40 cm**
73.1 %	15.8 %	10.7 %

There is a declining trend in 51.4% of the monitoring wells covering over 10 years period. Decline of 0 – 20 cm/yr is most extensive covering 73% wells followed by 20 – 40 cm/yr in 15.8% wells and >40 cm/yr in 10.7%. The low decline is spread all over the state but dominant in eastern and central parts and along Terai belt of the state. Higher decline occurs in most of the districts of western and southern regions. There is a rise in trend in 49.6 % of the monitoring wells over 10 years period.

The declining trend data during Post-monsoon for the period 2005-2014 are summarized as follows:

Percentage of wells showing Decline in Post-monsoon DWL (cm/year)		
0-20cm	**20-40 cm**	**>40 cm**
71%	13.9 %	13.9 %

There is a declining trend in 50.6% of the monitoring wells over 10 years period. Decline of 0 – 20 cm/yr is most extensive covering 71% wells followed by 20 – 40 cm/yr in 13.9% wells and >40 cm/yr also in 13.9% wells. The low decline is spread all over the state but dominant in central, eastern part and along Terai belt of the state. Higher decline occurs in most of the districts of western, north western and southern parts and along Yamuna River. There is a rise in trend of.50.4 % of the monitoring wells over 10 years period.

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CHAPTER 1
INTRODUCTION

The State of Uttar Pradesh forms a part of vast Gangetic Alluvial Plain covering an area of 2,40,928 Sq. Km. and lies between North latitude $23^0 52'12"$ & $30^0 24'30"$ and East longitude $77^0 05'38"$ & $84^0 38'30"$. It is bounded by Uttaranchal on the NW, Nepal on the NE, Bihar on the East, Madhya Pradesh in the South, and Haryana, Delhi & Rajasthan in the West.

The state is covered with rich fertile soil and underlain by a large thickness of alluvium making it one of the richest ground water repositories of the world. Ground water is a major source of fresh water on earth. It is the most dependable source of water, comparatively free from the vagaries of nature, easily accessible, available at the point of use and economical. Hence it is being developed indiscriminately and the ground water reservoir is stressed. The State being the most populous in the country with a population density of 649 persons per sq. km and a high rate of population growth (26%) its demand for water is soaring. Also due to industrialization, urbanization and modern farming practices its quality is also at stake.

The food production in UP is commensurate with the self sufficiency of the country. One of the major contributors for this sufficiency is irrigation. To meet this high irrigational requirement, water resources are being increasingly developed. Ground water contributes to about 71% of the irrigation needs of the State. The indiscriminate development of ground water has resulted in depletion of groundwater storage and lowering of water level in certain areas on one hand. On other side the surface water development in areas having shallow water level has resulted in water logging and soil salinisation.

All these negative impacts on the resource give rise to the need for regular and continuous monitoring of the ground water regime. The monitoring data forms the base of management practices. In order to manage the water resources and plan development on scientific lines a data base needs to be generated. In view of relative importance of this valuable resource it becomes imperative to adopt sound and scientific management of groundwater resources.

With this in view the Central Ground Water Board, an apex organisation of India in the field of ground water studies has established a network of 1241 monitoring wells, mostly

open wells spread all over the State. These are being monitored four times a year (January, May, August & November). Few wells are being monitored through Participatory monitoring Programme for the remaining eight months. To study the hydro chemical behavior ground water samples are collected from these stations once a year in May and analysed in the Regional chemical laboratory. The data thus generated are carefully analysed and interpreted to study the impact of various developmental activities on the groundwater regime. As dug wells are fast becoming obsolete, these are slowly being replaced by special bore wells for monitoring called Piezometers.

The statistical analysis of water level is carried out to decipher the water level status during different seasons of the year and prepare a zoning. The water levels of different periods are compared to analyse the behavioral patterns. The trend of water level behavior is worked out and future predictions are estimated made. The management programmes are framed safe guarding the environment and meet the requirement to optimal possibility.

Ground water is a dynamic resource, hence it requires continuous monitoring both in terms of quality and quantity. The main objectives of ground water monitoring are :

-To study the behavior of the water level in space and time in response to recharge and discharge.

-To study the long term behavior and trends for future predictions.

-To assess the ground water resource.

-To study the hydro chemical behavior of shallow ground water.

-To develop Artificial Recharge plan.

The district wise status of Ground Water Monitoring Wells (G.W.M.W.) as on 01.4.2015 are shown in Table-1 and location of wells are shown in Plate -1

Plate -1

Ground Water Monitoring Stations,
(As on March, 2014)
Uttar Pradesh
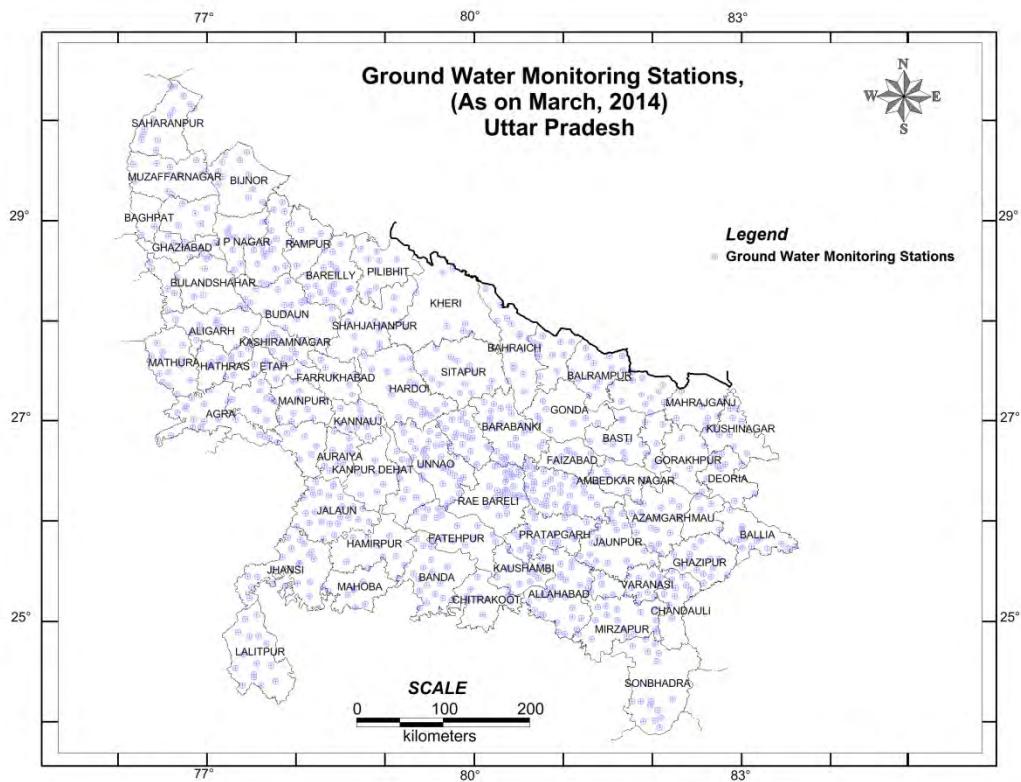
STATUS OF GROUND WATER MONITORING WELLS (G.W.M.W.), UTTAR PRADESH AS ON 01.4.15

Sl. No.	Name of the district	No. of G.W.M.W. as on 01.4.15		
		DW	PZ	Total
1	AGRA	9	12	21
2	ALIGARH	14	1	15
3	ALLAHABAD	42	0	42
4	AMBEDKAR NAGAR	10	4	14
5	AURAIYA	12	1	13
6	AZAMGARH	23	0	23
7	BAGHPAT	0	1	3
8	BAHRAICH	22	3	25
9	BALLIA	21	1	22
10	BALRAMPUR	17	2	19
11	BANDA	21	0	21
12	BARABANKI	29	3	32
13	BAREILLY	9	14	23
14	BASTI	11	0	11
15	BIJNOR	9	8	17
16	BUDAUN	5	15	20
17	BULAND SHAHAR	7	7	14
18	CHANDAULI	12	0	12
19	CHITRAKUT	10	1	11
20	DEORIA	10	0	10
21	ETAH (including Kanshiram Nagar)	7	16	23
22	ETAWAH	8	3	11
23	FAIZABAD	11	3	14
24	FARRUKHABAD	3	5	8
25	FATEHPUR	18	0	18
26	FIROZABAD	3	6	9
27	GAUTAM BUDDHA NAGAR	2	11	13
28	GHAZIABAD	1	14	15
29	GHAZIPUR	25	0	25
30	GONDA	10	2	12
31	GORAKHPUR	8	0	8
32	HAMIRPUR	14	0	14
33	HARDOI	22	0	22
34	HATHRAS	11	0	11
35	JALAUN	33	1	34
36	JAUNPUR	28	0	28
37	JHANSI	22	1	23
38	JYOTIBA PHULE NAGAR	0	13	13
39	KANNAUJ	6	6	12
40	KANPUR DEHAT	10	3	13

Sl. No.	Name of the district	No. of G.W.M.W. as on 01.4.15		
		DW	PZ	Total
43	KUSHI NAGAR	11	0	11
44	LAKHIMPUR KHERI	11	0	11
45	LALITPUR	17	2	19
46	LUCKNOW	9	41	50
47	MAHARAJGANJ	7	0	7
48	MAHOBA	9	1	10
49	MAINPURI	5	8	13
50	MATHURA	18	2	20
51	MAUNATH BHANJAN	14	0	14
52	MEERUT	1	15	16
53	MIRZAPUR	17	0	17
54	MORADABAD	6	17	23
55	MUZAFFAR NAGAR	6	14	20
56	PILIBHIT	8	4	12
57	PRATAPGARH	30	0	30
58	RAIBARELI	25	5	30
59	RAMPUR	6	3	9
60	SAHARANPUR	7	14	21
61	SANT KABIR NAGAR	5	0	5
62	SANT RAVIDAS NAGAR	5	0	5
63	SHAHJAHANPUR	13	3	16
64	SHRAWASTI	13	0	13
65	SIDDHARTH NAGAR	11	0	11
66	SITAPUR	17	2	19
67	SONBHADRA	18	0	18
68	SULTANPUR	41	1	42
69	UNNAO	34	0	34
70	VARANASI	13	0	13
	TOTAL :	943	298	1241

Chapter 2

PHYSIOGRAPHY AND DRAINAGE

The State of Uttar Pradesh can broadly be divided into 2 physiographic units, the Ganga Plain and the Bundelkhand and Vindhyan Plateau.

The Ganga Plain covering 85% of the State is a vast, flat expanse of alluvium having a gentle south easterly regional slope. The highest elevation is around 350 mamsl in the north western parts and lowest 60 mamsl in extreme south eastern part of the state. The land slope is variable, being steep in the north western parts and gradually diminishing south east wards. The slope ranges between less than a metre per kilometer to 5m/km. This Plain has three sub divisions – the Terai in the northwest, the Central Ganga Plain in the centre and the Marginal alluvial Plain in the south.

The southern part of the state south of the Marginal Alluvial Plain is a part of Bundelkhand and Vindhyan plateau. This plateau region slopes northerly and is represented by undulating hilly terrain. The land slope varies from 550 – 130 mamsl in the western part and 650 – 100 mamsl in the eastern part with steeper gradients than those in the northern Ganga plain.

The State forms a part of Ganga basin. The master drainage of the state is river Ganga and its tributaries. The Ramganga, Ghagra and Gomti are the main left bank tributaries, while the Yamuna is the main right bank tributary. All these rivers except Gomti originate from Himalayan ranges and are snow fed. Initially the rivers flow southward in the northwestern part of the State, then turn south eastward and finally leave the State in an easterly direction.

Chapter 3

CLIMATE AND RAINFALL

The State experiences a sub-humid and tropical climate with three distinct seasons summer, monsoon & winter. The intervening periods are transitional period on the basis of IMD long term normal data. The summer is hot and dry with maximum daily temperature ranging between 38°C. to 43°C. The humidity during this season is lowest ranging between 30% to 53% at 08.30 hrs and 18% to 42% at 17.30 hrs. Summer seasons ends by May and transition period starts. The rainy season commences by late June when south western monsoon sets in over the State. The humidity gradually increases and reaches above 80%. August is the peak rainy season. The bulk of annual rainfall about 85% occurs during monsoon period (June to September). The monsoon starts retreating from the State in late September or early October. Then commences another transitional period followed by winter from late November till February. January is the coldest month of the period. Another transitional period follows between winter and summer.

There is large variation in temperature both in time and space. The lowest temperature is observed during January when night temperature ranges between 2°C & 6°C over the state. With the start of summer the temperature starts rising with maximum during May when the mercury may touch 45°C in central and eastern parts of the State. Gradually with the beginning of rainy season the temperature drops which again shows a mild rising trend during the intervening period before winter (October, November). The wind speed varies between 8-10 km/hr during summer season and 4-6 km/hr during winter and rainy seasons. The wind is mainly south westerly during summer and south easterly during winter. The Normal annual potential Evapotranspiration of Uttar Pradesh is 1491.5 mm. The Normal annual potential Evapotranspiration of East Uttar Pradesh is 1484.0 mm and of West Uttar Pradesh is 1499.0 mm. The monthly normal potential Evapotranspiration is high in hot months and low in winter months. Normal potential Evapotranspiration is highest in the month of May with value of 217.8 mm fallowed by June with value of 201.6 mm. The normal potential Evapotranspiration is lowest in the month of December with value of 50.7 mm fallowed by January with value of 55.6 mm.

The South West Monsoon entered in East Uttar Pradesh on 17th June, 2 days later than its normal dates of 15th June and covered whole Uttar Pradesh for 14 days later i.e. on 14th July. The

southwest monsoon currents covered the entire country by 17th July, 2 days later than its normal date of 15th July.Withdrawal of monsoon from West Uttar Pradesh commenced on 27th September against its normal date of 15th September and it completely withdrew from the state on 18th October. Isochrones of advance of Monsoon and withdrawal of monsoon 2014 are shown in fig1 and fig.2

Plate II
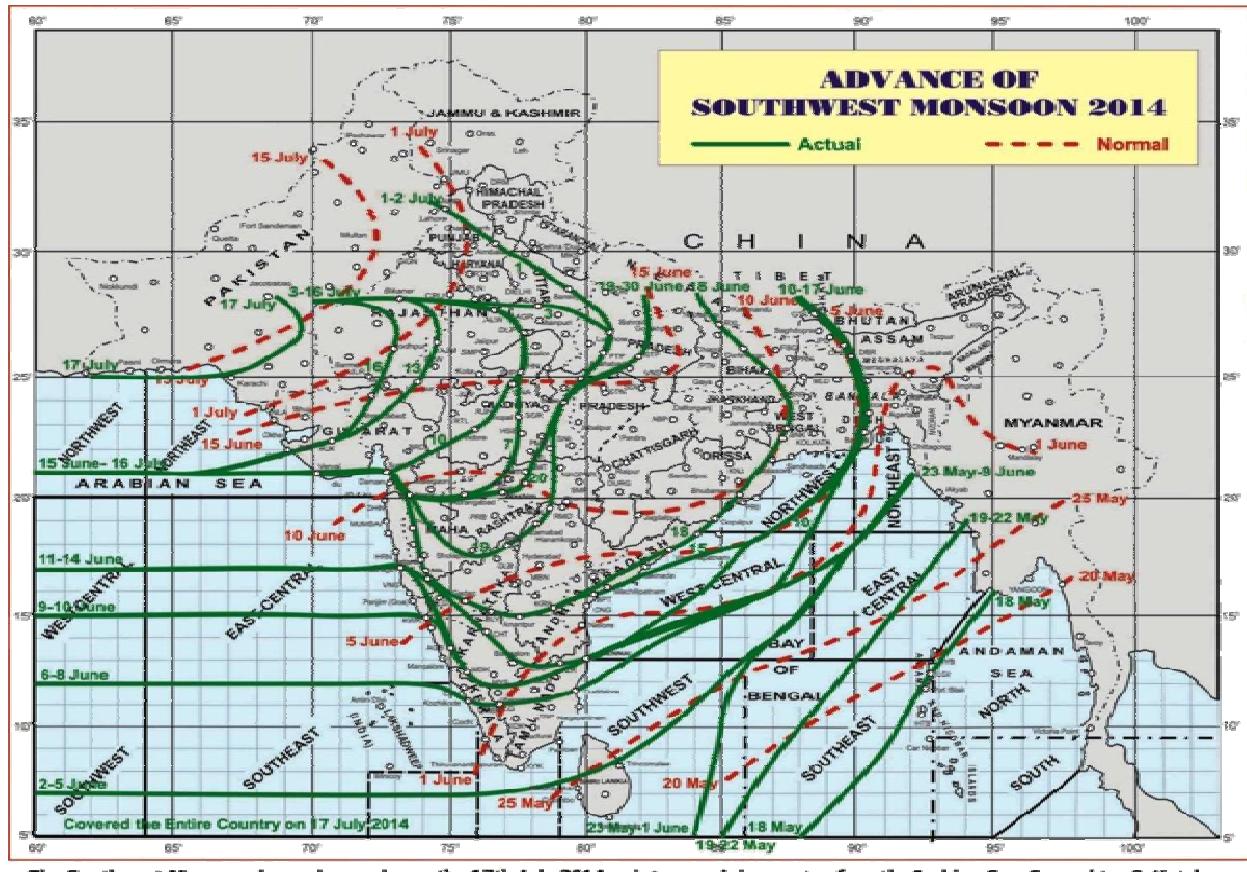
Figure1: Showing the Isochrones of advance of Monsoon 2014

Plate III
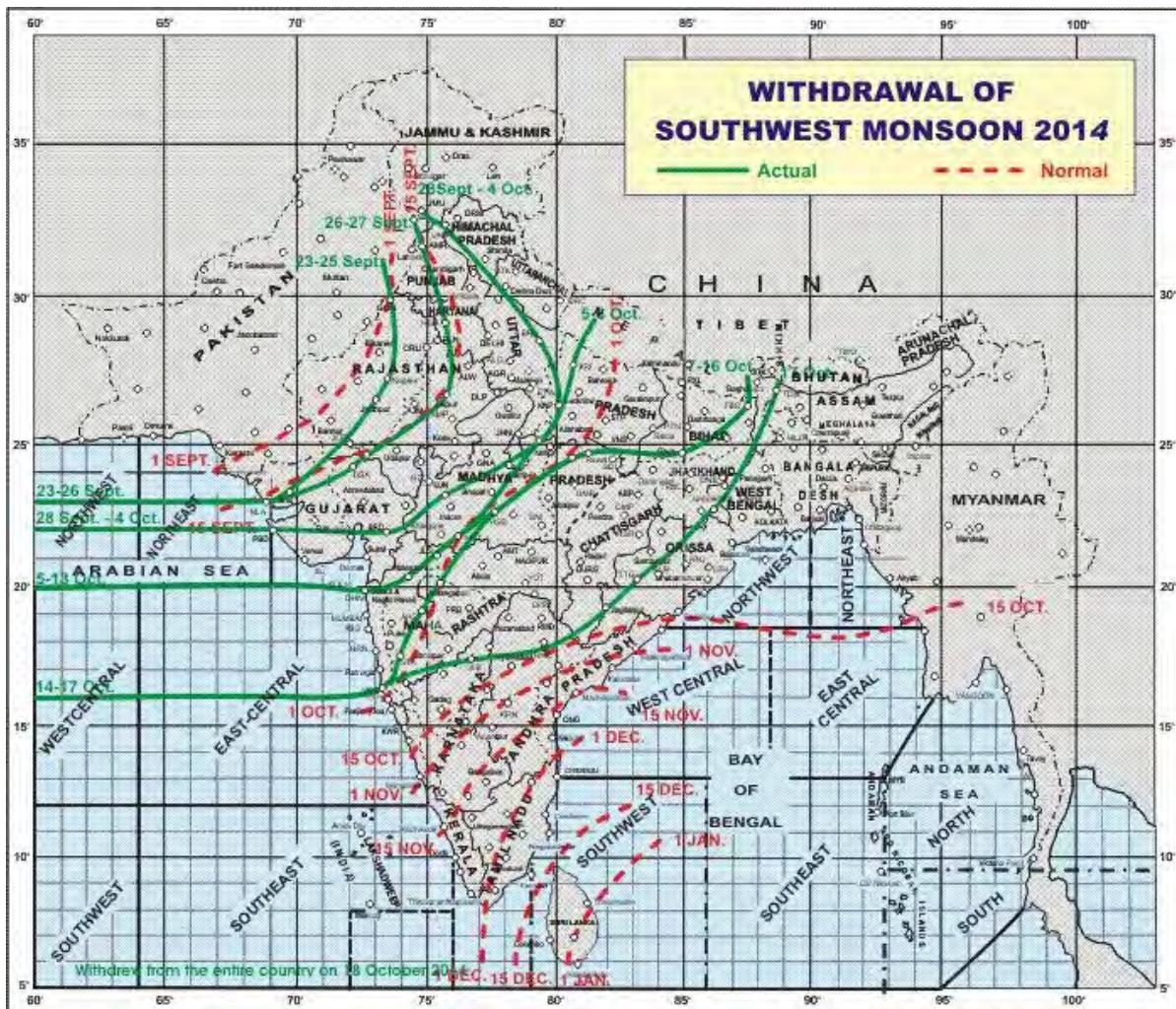
Figure2: Showing the Isochrones of Withdrwal of Monsoon 2014

Rainfall :

The rainfall is variable over the State ranging from above 1600 mm in the southern part to above 350 mm in the north- western part of the State. In central part of the state annual rainfall is received above 700 mm. The normal rainfall of the State for the year 2014 is 846.5 mm and the actual amount of rainfall received is 447.6 mm (IMD monsoon report 2014). So there is negative deviation of 47% from normal. The rainfall distribution was very uneven over the State. Out of 71 districts of Uttar Pradesh 42 districts received deficient, 26 districts received scanty, 2 districts received normal and only 1 district received

excess rainfalls. Overall this year 59% area received deficit, 37% received scanty, 3% area received normal and 1% area of Uttar Pradesh received excess rainfall. So it gives clear indication that monsoon remained weak for the state. The rainfall distribution of the State during monsoon season is shown in table 1 and monthly distribution of monsoonal rainfall for the state and its two meteorological sub-station –East Uttar Pradesh and West Uttar Pradesh is shown in table 1(a-c).

Table 1: Rainfall Distribution of the State (June – September 2014)

Region	Actual (in mm)	Long period average (LPA) (in mm)	Departure from normal (in %)
Uttar Pradesh	447.6	846.5	-47
East- UP	518.1	897.5	-42
West-UP	340.3	768.8	-56

Table 1a: Monthly distribution of rainfall over the state-U.P- 2014

MONTH	Actual Rainfall (in mm)	Normal Rainfall (in mm)	% Departure from Normal
June	37.5	93.2	-60
July	196.2	282.3	-30
August	115.2	293.1	-61
September	98.7	177.9	-44

Table 1b: Monthly distribution of rainfall over the East Uttar Pradesh-2014

MONTH	Actual Rainfall (in mm)	Normal Rainfall (in mm)	% Departure from Normal
June	47.8	107.7	-56
July	224.5	297.9	-25
August	138.1	294.5	-53
September	107.7	197.4	-45

Table 1c: Monthly distribution of rainfall over the West Uttar Pradesh-2014

MONTH	Actual Rainfall (in mm)	Normal Rainfall (in mm)	% Departure from Normal
June	218	71.1	-69
July	153.1	258.4	-41
August	80.4	291.0	-72
September	85.0	148.3	-43

The results of the above table suggest that, the month wise rainfall over the state during June and August was scanty and July and September was deficient and was of the order of 40%, 70%, 39% and 56% for June, July, August and September respectively of

its monthly LPAs. During monsoon period 2014, the amount of rainfall (in terms of % of LPA) was more over the East-UP as compare to West-UP. This year 68% areas of East-UP received deficient rainfall, 24% areas received scanty rainfall, 5% areas received normal rainfall and only 3% areas received excess rainfall. In the West-UP, 53% areas received scanty rainfall and 47% areas received deficient rainfall. In this way performance of monsoon 2014 was poor over West-UP in compare to East-UP.

District wise monsoonal rainfall for year 2014 is given in table 2. The cumulative seasonal rainfall for the State as a whole was 53% of its LPA, East-Uttar Pradesh 58% of its LP A and West Uttar Pradesh 44% of its LPA. The rainfall distribution was very uneven over the State. Out of 71 districts of Uttar Pradesh 42 districts received deficient rainfall, 26 districts received scanty rainfall, 2 districts received normal rainfall and only 1 district received excess rainfall. Shrawasti district got the highest rainfall (127%) and Gautam Buddh Nagar least rainfall (23%) of its LPA.

Table 2: District wise monsoonal rainfall for year 2014

S.No	Uttar Pradesh/ District Name	Monsoon Rainfall (in mm) (June - September)	2014	% Dep.
	UTTAR PRADESH	447.6	846.5	-47
Districts of Eastern UP				
1	ALLAHABAD	469.1	808.7	-42
2	AMBEDKAR NAGAR	541.2	904.8	-40
3	AZAMGARH	381.2	952.7	-60
4	BAHRAICH	1085	993.8	9
5	BALLIA	565.3	827.2	-32
6	BALRAMPUR	735.7	1071.7	-31
7	BANDA	399.1	840.4	-53
8	BARABANKI	578.5	930.5	-38
9	BASTI	715.8	943.6	-24
10	CHANDAULI	398.4	846.1	-53
11	DEORIA	431.7	950.9	-55
12	FAIZABAD	375.2	989.7	-62
13	FARRUKHABAD	223.8	743.4	-70
14	FATEHPUR	257	812.5	-68
15	GHAZIPUR	573.9	883	-35
16	GONDA	550.6	1027.2	-46
17	GORAKHPUR	659.3	1175.5	-44
18	HARDOI	238.1	787.9	-70
19	JAUNPUR	324	874.1	-63
20	KANNAUJ	353.8	776.7	-54
21	KANPUR CITY	425.7	696.8	-39
22	KANPUR DEHAT	203.6	765	-73
23	KAUSHAMBI	275	765.6	-64
24	KHERI	805	926.1	-13
25	KUSHI NAGAR	465.3	1158.4	-60
26	LUCKNOW	506	772.5	-35
27	MAHARAJGANJ	602.1	1214.1	-50
28	MAU	388	1004.7	-61
29	MIRZAPUR	538.9	901.1	-40
30	PRATAPGARH	494.3	851.8	-42
31	RAE BAREILLY	435.3	750.3	-42
32	SAHUJI MAHARAJ NAGAR	439.7	885.9	-50
33	SANT KABIR NAGAR	694.5	990.7	-30
34	SANT RAVIDAS NAGAR	496	846.1	-41
35	SHRAWASTI	1258.6	993.8	27
36	SIDDHARTH NAGAR	807.6	1009.9	-20
37	SITAPUR	517.8	864.8	-40
38	SONBHADRA	548.8	916.9	-40
39	SULTANPUR	410.1	840.7	-51
40	UNNAO	433.6	790.3	-45
41	VARANASI	683.4	923.5	-26
	EAST UTTAR PRADESH	518.1	897.5	-42

S.No	Uttar Pradesh/ District Name	Monsoon Rainfall (in mm) (June - September)	Normal Rainfall (in mm) 2014	% Dep.
	UTTAR PRADESH	447.6	846.5	-47
Districts of Western UP				
42	AGRA	258.5	687.2	-62
43	ALIGARH	256.6	655.7	-61
44	AURAIYA	211.2	700	-70
45	BADAUN	250.6	758	-67
46	BAGHPAT	362.3	545.3	-34
47	BAREILLY	430.5	853.8	-50
48	BIJNOR	644.4	914.2	-30
49	BULANDSHAHAR	208.9	670.7	-69
50	ETAH	232.3	615.3	-62
51	ETAWAH	211.9	728	-71
52	FIROZABAD	211.7	676.3	-69
53	GAUTAM BUDDHA NAGAR	134.5	572.8	-77
54	GHAZIABAD	131.1	641.7	-80
55	HAMIRPUR	368.9	796.9	-54
56	JALAUN	352.9	774.9	-54
57	JHANSI	399.1	837.9	-52
58	JYOTIBA PHULE NAGAR	325.3	783	-58
59	KANSHIRAM NAGAR	416.5	701.5	-41
60	LALITPUR	634	939.3	-33
61	MAHAMAYA NAGAR	264.5	625.4	-58
62	MAHOBA	258.8	776.4	-67
63	MAINPURI	191	655.3	-71
64	MATHURA	206	579.9	-64
65	MEERUT	281	778.5	-64
66	MORADABAD	514.6	855.2	-40
67	MUZAFFARNAGAR	313.3	736.8	-57
68	PILIBHIT	396.5	988.6	-60
69	RAMPUR	326.5	915.5	-64
70	SAHARANPUR	341.3	804.6	-58
71	SHAHJAHANPUR	423.8	859.2	-51
	WEST UTTAR PRADESH	**340.3**	**768.8**	**-56**

Chapter 4
HYDROGEOLOGICAL FRAME WORK

The geology and structure of the formations existing in an area control occurrence and movement of ground water. The geomorphic conditions also have a great impact on ground water scenario. The larger part of the State is underlain by fluvial sediments laid down in the fore deep between Plateau region in south and Himalayas in north during the Quaternary period by the Indus-Ganga system of drainage over the Precambrian topography existing during geological past. These deposits owe their origin to riverine activity. The southern part of the State has entirely different geological conditions being underlain by Precambrian formations under a thin alluvial cover. Broadly, the State can be divided into two hydrogeological units.

1. Unconsolidated zone.
2. Consolidated, hard rock zone.

The hydrogeological conditions of the above two units widely differ and are discussed subsequently in brief.

Unconsolidated Zone:

This unit covers nearly 85% of the State area. The unconsolidated formations comprising the area have been deposited through mighty rivers originating from great Himalayan Mountains. These sediments are an admixture of pebble, gravel, sand, silt, clay and kankar. The sediments are generally coarser in the north and gradually become finer south east ward along downstream of the drainage which is a typical feature of fluvial deposits. This zone consists of mainly two parts, the Terai and the Alluvial Plain. However, foot hill zone is very small part of Bhaber belt and lies in the northern parts of Bijnore and Saharanpur districts. The Terai is a narrow disconnected belt along the north western fringe of the State. The Alluvial Plain occupies the area south of Terai and can further be divided in two sub units - Younger Alluvium and Older Alluvium.

The younger alluvium occurs mostly along the present day flood plain area. The continuous shifting of the drainage network with time caused reworking of their earlier deposits giving rise to the younger alluvium. The older alluvium occupying comparatively high area covers major part of the Plain. A typical characteristic of older alluvium is formation of kankar within itself due to leaching of calcium carbonate under favourable climatic conditions. The kankar occasionally forms pans restricting downward movement of water.

The thickness of alluvial sediments is variable and generally goes upto 500m. below which occur the semi-consolidated Upper Siwalik formations. The Shallower basement occurs in isolated areas which are known as "Basement highs."

This unconsolidated zone is porous and permeable with primary intergranular porosity and has good ground water potential. The sub-surface correlation of formations in the state has shown presence of several aquifers down to a depth of 750 m below the ground. These aquifers mainly encountered in Central Ganga Plain have been grouped on the basis of lithological characters as well as based on interpretation of electrical logs of Boreholes drilled and are as follows

1. First aquifer	0.0 – 150.00 mbgl
2. Second aquifer	160.00 – 210.00 mbgl
3. Third aquifer	250.00 – 360.00 mbgl
4. Forth deep aquifer	380.00 – 600.00 mbgl

The upper part of first aquifer down to 50 mbgl is the main source of drinking water through hand pumps and dug wells and is unconfined in nature. The first aquifer as a whole which is under unconfined to semi-confined conditions t is the most potential aquifer group which is the main source of groundwater in the State extensively exploited through private as well as Government tube wells to meet the drinking water and irrigation needs. The deeper aquifers are confined in nature being exploited to a very limited extent. The yield of second aquifer is limited while the third aquifer is potential. The shallow and phreatic aquifers are under heavy stress.

Consolidated Zone:

The Bundelkhand Vindhyan plateau region is underlain by variety of Precambrian formations, mostly granite and granite gneisses, Vindhyan sandstone, limestone & shale, under a thin a alluvial cover or without alluvial cover. As such these formations are hard and compact and devoid of any primary porosity. The ground water in these formations occurs in the secondary porosity of these formations. The secondary porosity has developed due to cracks and fractures which are open at the surface and tighten at depth. The ground water occurs under unconfined or water level conditions in these formations. The alluvial sediments of moderate depth along the river courses and in valleys form potential groundwater repositories. The weathered mantle over the entire unit also forms potential aquifers. These aquifers are being monitored mostly through open wells over the area.

Chapter 5

BEHAVIOUR OF WATER LEVEL

The groundwater storage is largely controlled by the prevailing hydrogeological and geomorphic conditions. Besides, magnitude of input (recharge) to the ground water system and output (discharge) from it also influences the status of groundwater regime. In the State of Uttar Pradesh hydrogeological as well as the geomorphological conditions are highly variable as evident from earlier chapters. The chief source of recharge to storage is rainfall which is highly variable over space and time. The main source of discharge is ground water abstraction which is also varying and also growing exponentially. The regions having ground water as the main source for irrigation always remain under heavy stress. The imbalance between the recharge and discharge expresses itself in terms of variations in the ground water level. Thus, the water level is a very important parameter for ground water studies. The behavior of the water level in the state during year 2014-15 has been studied based upon the observations made on the permanent Ground Water Monitoring Wells and described in the following paragraphs.

Depth to Water Level during 2014 -15

The depth to ground water level in the state is highly variable throughout the year ranging from ground level to 38.5 m bgl. The distribution pattern remains same during the year with the areas under different ranges increasing/reducing in different seasons.

The water level in general increases from north-east to south-west roughly parallel to the northern boundary of the State. The shallow water level occurs in the north, north eastern part and parts of central region of the state. The moderate water level occurs in the north western part, the central part and along the southern boundary. The deeper water level occurs in the western part, along Yamuna river, parts of southern U.P. and cities.

There are four canal command areas in the state but these do not have the same depth to water level pattern and all do not necessarily show very shallow ground water levels. The Gandak and Saryu command areas in general show very shallow water level 2 – 5 mbgl and water logging conditions exists in the monsoon and post monsoon period with few areas within these zones showing 5 – 10 mbgl. Generally the larger areas in Sharda Sahayak command fall

under 5 – 10 mbgl water level range. In comparison to above commands, in Ramganga command the water level is generally deeper falling in the range of 5 – 10 mbgl in the north eastern part and 10 – 20 mbgl in the south western part along the River Yamuna.

The different water level zones are controlled by geomorphological features such as flood plains, natural levees of main rivers, interfluves areas etc. as well as by the nature of deposits.

May 2014 :

This is the pre-monsoon period as it appears after one complete cycle of inputs and outputs. Generally this period shows the deepest water levels during the year. May is the dry season and the water levels are used for most of the ground water calculations.

In general water level ranges mostly from 2 to 20 m bgI, however parts of the state show variation 20 m bgl or above. The water levels in the range of 0 to 2 m bgI (i.e., water logged condition) is observed only in 22 wells.

Water level in the range of 2 - 5 mbgI is observed in 391 Monitoring Wells (about 37.6%). Along the Terai belt, extending from parts of Saharnapur to Siddarthnagar and upto Ballia in eastern U.P. through major parts of Lakhimpur Kheri, Bahraich, Shrawasti, Balrampur, Deoria, Kushinagar, Sitapur, Basti, Gonda, Faizabad, Maharajganj and Pilibhit districts, the water level ranges from 2 - 5 m bgI. There are patches in Aligarh, Allahabad, Auraiya, Barabanki, Bareilly, Chandauli, Jalaun, Hardoi, Hathras, Kanpur Nagar, Kanpur Dehat, Lalitpur, Mainpuri, Jhansi, Mathura, Moradabad, Rae Bareli, Rampur, Sahajahanpur and Unnao districts showing depth to water levels from 2 to 5 m bgl.

About 38.9 % of wells (404 nos.) show water level between 5 and 10 m bgI. This area is observed in almost all parts of U.P. The water level of 5 to 10 mbgl is observed in major parts of districts of Aligarh, Auraiya, Allahabad, Ambedkar Nagar, Azamgarh, Ballia, Barabanki, Bareilly, Banda, Badaun, Chandauli, Deoria, Faizabad, Bulandsahar, Etah, Etawah, Farrukhabad, Ghazipur, Ghaziabad, Gorakhpur, Hardoi, Jaunpur, Jhansi, Jalaun, Kheri, Kannauj, Kanpur Dehat, Lalitpur, Lucknow, Mahoba, Mau, Meerut, Mirzapur, Pratapgarh, Rae Bareli, Shahjahanpur, Sitapur, Sonbhadra , Sultanpur and Unnao.

180 wells (about 17.3%), show water levels between 10 and 20 m bgl. Along the Ganga river, the water levels are generally 10-20 m bgl in Kanpur, Mirzapur, Kaushambi, Fatehpur, Kaushambi and Allahabad districts. Similarly, all along river Yamuna right from Mathura to Allahabad district, a narrow strip shows deeper water levels in the range of 10 - 20 m bgl. This strip widens at Agra, Fatehpur, Hamirpur, Chitrakoot and Banda districts.

Along the Betwa river, a tributary of Yamuna river, the deeper water levels are encountered. Few patches falling in this range are observed in western U.P. in Muzzafarnagar, Meerut, Gaziabad, Gautam Buddha Nagar, J.P. Nagar, Budayun, Hathras, districts .This range is generally observed in almost all parts of Lucknow city. In major parts of Varanasi, and Pratapgarh districts depth to water level have been observed in this range.

Only 39 (about 3.7%) Monitoring Wells fall in the range of more than 20 m bgl water level. The water levels in this range are observed along a narrow strip along Yamuna river, from parts of Agra upto Kaushambi through Etawah, Banda, Fatehpur, Jalaun, and along Betwa river in Hamirpur district. Deeper levels owe to the ravenous tract along these rivers. In parts of Lucknow city, water level in this range is observed.

The district wise categorization table of water level during May 2014 is presented in table-3 and the pictorial view is shown in Plate –IV.

Plate IV

Depth to Water Level Contour Zones, May 2014, Uttar Pradesh

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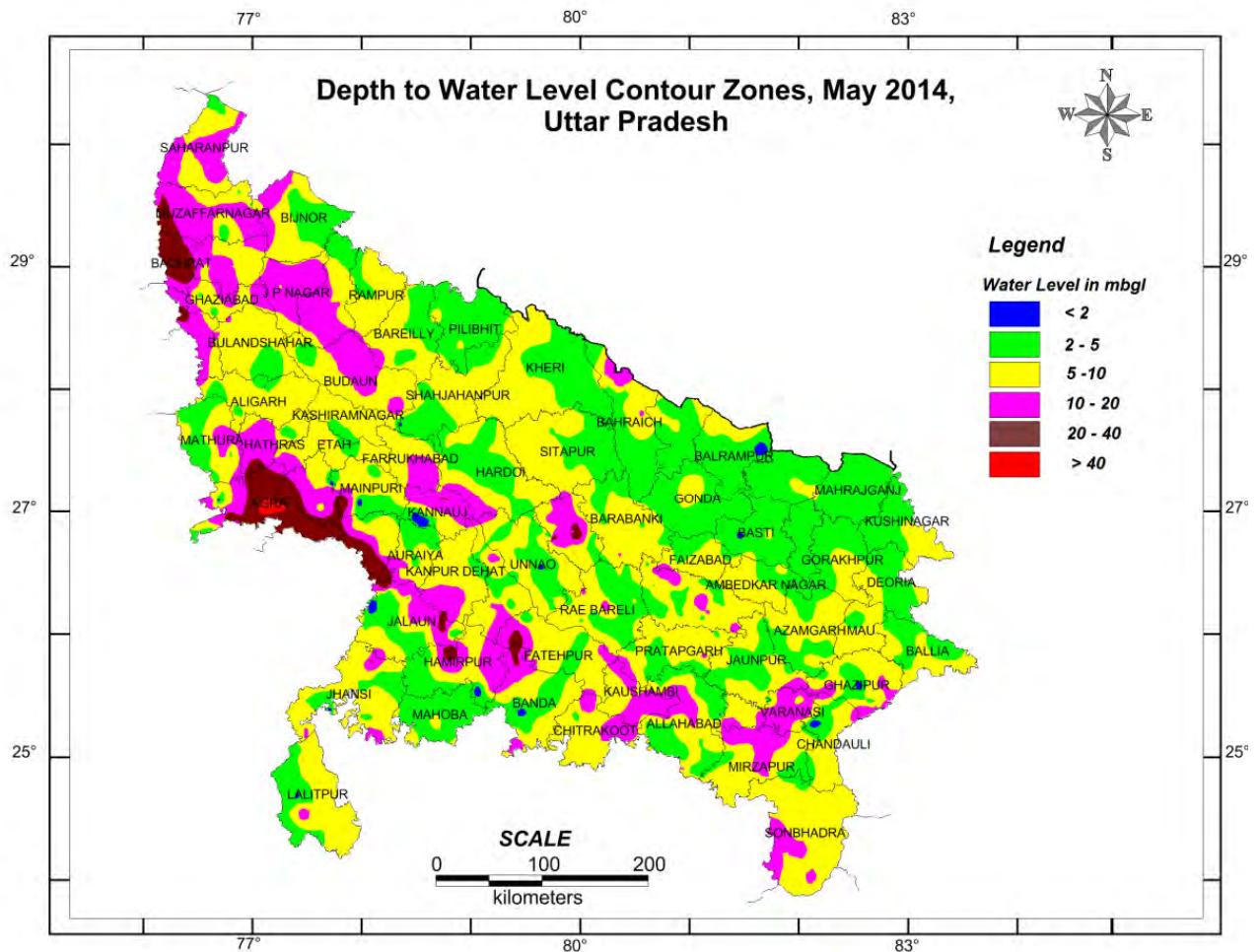
August 2014:

The water level during August indicates the immediate impact of rain fall on ground water storage. This is the month of peak monsoon rainfall hence this measurement is carried out to get the peak of the water level hydrograph. The water level rises in response to rainfall.

Water level has become shallower in large part of the state, with more impact of rainfall seen in areas where the water level was less than 5 mbgl. The water logged areas increased and the deeper water level areas had shrunk. The distribution of water level from less than 2 m bgl to 10 mbgl shows the three ranges of 0–2, 2–5, and 5–10 mbgl occurring in 19.3%,34.6%, and 27.2% wells respectively. Deeper water level areas of 10 – 20 mbgl have reduced to 14.8% but occur in the same areas along the River Yamuna.

The water logged area has increased. The depth to water levels from 0 to 2 m bgl is found in 189 wells (19.3%) mainly in Saryu and parts of Gandak canal command areas .Water level in the range of 2 - 5 m bgl is observed in 333 wells (34.6%) in most districts of the state except in western U.P. The depth to water levels from 5 to 10 m bgl occurs all along the Ganga, Yamuna and Ganga-Yamuna interfluve area in patches right from Saharanpur upto Sonbhadra district. Along RamGanga and Betwa rivers water level falls in this range. A total no. of 262 wells
(27. 2%)fall in this category. The water levels between 10 and 20m bgl. are observed at 143 wells (14.2%). This range is encountered mostly along the Yamuna river from Mathura upto Allahabad and upto part of Varanasi along Ganga river. Parts of districts of western U.P. show this range. In Lucknow city water level in the range of 10 to 20 m bgl is observed. The deeper water levels along Yamuna River are mainly due to higher elevation of natural levee formed on either side of the river. The depth range of 20 m bgl. and more is found only along theYamuna river between Agra and Hamirpur and Bagpat districts. Only 38 wells (4%) show depth to water levels greater than 20m. These areas showing deeper water levels are due to presence of ravenous tract along the river Yamuna. Many wells in Lucknow city show this range.

The district wise categorization table of water level during August 2014 is presented in table-4 and the pictorial view is shown in Plate-V.

Plate V

Depth to Water Level Contour Zones, August 2014, Uttar Pradesh

Legend

Water Level in mbgl

- < 2
- 2 - 5
- 5 - 10
- 10 - 20
- 20 - 40
- > 40

SCALE

0   100   200

kilometers
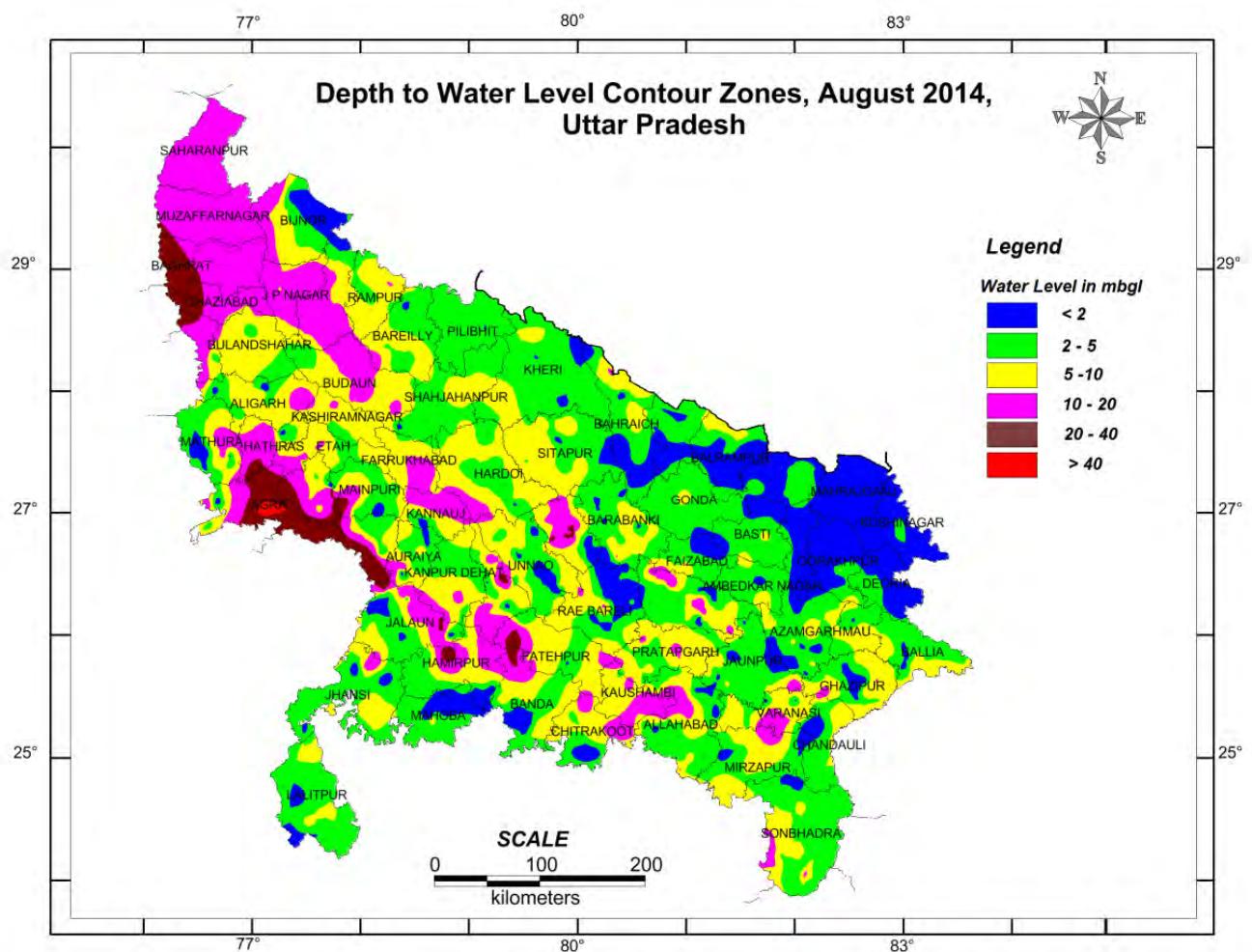
November 2014:

The water level starts receding gradually after August with lateral flow of ground water due to change hydraulic conditions with recession of monsoon and ground water storage. The water level stabilizes by November and there after natural out flow reduces considerably. This is the post monsoon water level which reflects the change in ground water storage which is the dynamic ground water resource. The volume of water available in storage may be safely used during the remaining year. This water level is an important parameter for resource estimation, planning etc.

Water logged area showing DWL 0-2 mbgl reduced from August'14 and shown by 12.9% of wells. The depth to water level was shallow, falling in the range of 2 – 5 mbgl over a larger area and observed at 37.8% of the wells monitored, followed by water level in the

range of 5 – 10 mbgl as observed at 28.8% of wells. The moderate (DWL 10 –20 mbgl) and deep water level areas (DWL> 20 mbgl) were noticed at 16.1% and 4% wells respectively.

The depth to water level from 0 to 2 m bgl. is observed in 121(12.9% of the monitored wells). Area falling under this category are located in patches in Allahabad, Auraiya, Ambedkar Nagar, Ballia, Banda, Bahraich, Basti, Bijnor, Balrampur, Chandauli, Deoria, Gonda, Gazipur, Faizabad, Jaunpur, Kushinagar, Maharajganj, Mathura, Mahoba, Rae Bareli, Sitapur, and Unnao districts.

A large number of wells i.e., 354 (about 37.8% of the monitored wells) show depth to water levels from 2 to 5 m bgl. Largest area of state is covered under this category. This range is observed in most parts of the districts in Terai, Eastern, Central U.P and few districts of Bundelkhand region. Along the Gomti, Ghaghra and Sharda rivers water level ranges from 2 to 5 mbgl. Most parts of districts of eastern U.P. and Terai region show DWL < 5mbgl.

The water levels between 5 and 10 m bgl. is observed at 270 wells(28.8%). This range is prominent in Western, Central & Southern U.P. A thin strip showing this range runs along the Ganga river, and extends over the Ganga - Ramganga interfluve area. This range is also seen along the Ganga-Yamuna doab from Aligarh up to Allahabad through Mathura, Kanpur Dehat, Kanpur Nagar, Jalaun, Hamirpur and Banda. On both the sides of Betwa river in Jhansi and Jalaun water level are observed to vary from 5 to 10 mbgl.

The water levels of 10 to 20 m bgl. is noticed in 151 wells(16.1%), mostly along the Yamuna river upto Varanasi, through Mathura, Agra, Kanpur, Jalaun, Fatehpur,Hamirpur ,Chitrakoot and Banda districts. This is mainly due to higher elevation of natural levee formed on either side of the Yamuna river. Most parts of districts of western U.P. - Muzaffarnagar, Meerut, Ghaziabad, G.B.Nagar, J.P.Nagar, Moradabad, show water level in this range. Few patches are seen in Agra, Allahabad, Bijnor, Chitrakoot, Fatehpur, Ghazipur, Hamirpur, Hathras, Kaushambi, Pratapgarh, Sultanpur and Unnao districts. Along the Ganga river a wide patch shows water level in the range. In Lucknow city water level in this range is observed.

The depth range of 20 m bgl. and more are found along the Yamuna river in Agra, Bagpat, Etawah, Fatehpur, Jalaun, Hamirpur and Kaushambi districts. In Lucknow city DWL in this range is found .Only 38 wells show depth to water levels greater than 20m. These

areas showing deeper water levels are due to bearing of geomorphology as presence of ravenous tract along the Yamuna and Betwa rivers.

The district wise status of water level during the month has been shown in table -5 and pictorial view is shown in Plate-VI.

Plate VI

Depth to Water Level Contour Zones, November 2014, Uttar Pradesh
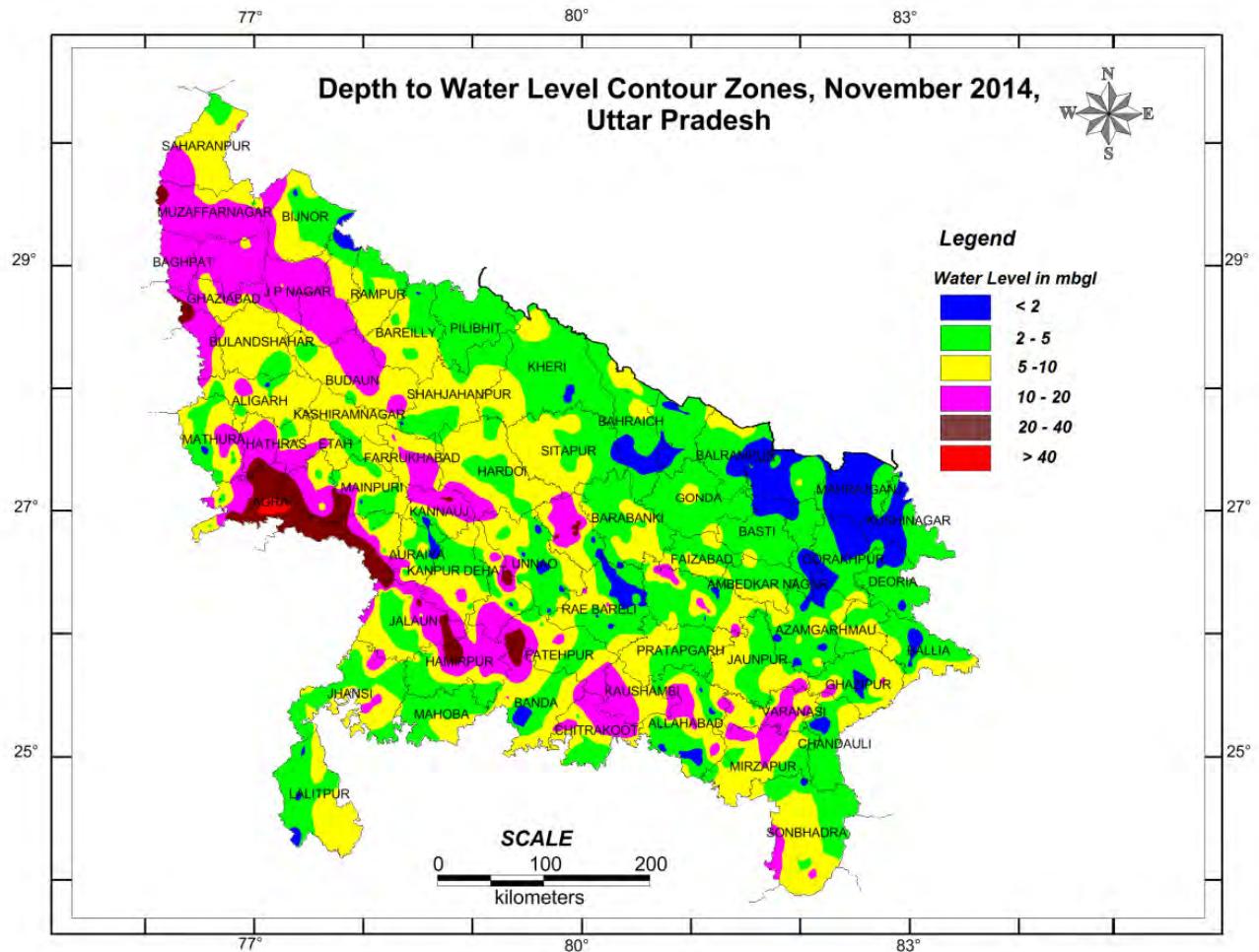
January 2015:

Winter season is the peak season of ground water abstraction for Rabi cultivation. Consequently bulk of ground water storage is depleted during this season which is well reflected in the water level measurement during January 2015.

The depth to water level shows a large variation. The distribution pattern of the various depth ranges is the same only a general deepening in the water level is seen. The water logged area showing depth to water level in the range of 0-2 mbgl has reduced to 8.6%. Water levels in the range of 2–5 and 5-10 mbgl are predominant during this period as

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reflected at 40.6% and 32.46% of monitored wells respectively. The moderate water level zone remains at 14.47%. The very deep water level occurs in 3.5% wells. Thus there seems to be a balance between the input and output in these areas. The water level in the range of 0 - 2 mbgl is observed as isolated patches in Ambedkarnagar, Balrampur, Chandauli, Faizabad, Kushinagar, Sitapur, Bahraich, Mahoba, Maharajganj, Jalaun and Lalitpur districts.

The water level in the range of 2 – 5 mbgl is seen in almost all the districts except in western part; being predominantly concentrated along the northern border (Terai region) eastern and North eastern parts of the state and as scattered patches in central and southern part of the State. The depth to water level of 5 - 10 m.bgl is observed predominantly in the central , western, southern and lower eastern parts of U.P from Saharanpur to Sonbhadra districts.

The water level in range of 10-20 m.bgl is observed all along Yamuna river and parts of western U.P.. This range is observed as patches in Agra, Allahabad, Baghpat, Banda, Bijnor ,Chitrakoot, Fatehpur, Gautam Buddha Nagar, Ghaziabad, Ghazipur, Hathras, Hamirpur, Jalaun, Kaushambi, Lucknow, Meerut, Mirzapur, Muzaffar Nagar, Pratapgarh , St.Ravidas Nagar, Sultanpur and Varanasi districts.

The water level of 20 m bgl and more is present only along Yamuna river in isolated patches in Bagpat, Etawah, Fatehpur, Hamirpur, Muzaffarnagar districts. This is due to effluent nature of river Yamuna and also due to higher elevations in the area. In major parts of city area of Lucknow, more than 20 mbgl dwl is observed.

In Gandak and Saryu canal commands water level predominately ranges from 2 to 5 mbgl. Sharda Sahayak canal command shows predominance of DWL between 2 and 10 m.bgl while Ram Ganga canal command shows predominance of 5 - 10 m.bgl water level range.

The district wise status of water level during the month has been shown in Table-6 and the same has been depicted in Plate-VII.

Plate VII

Depth to Water Level Contour Zones, January 2015, Uttar Pradesh
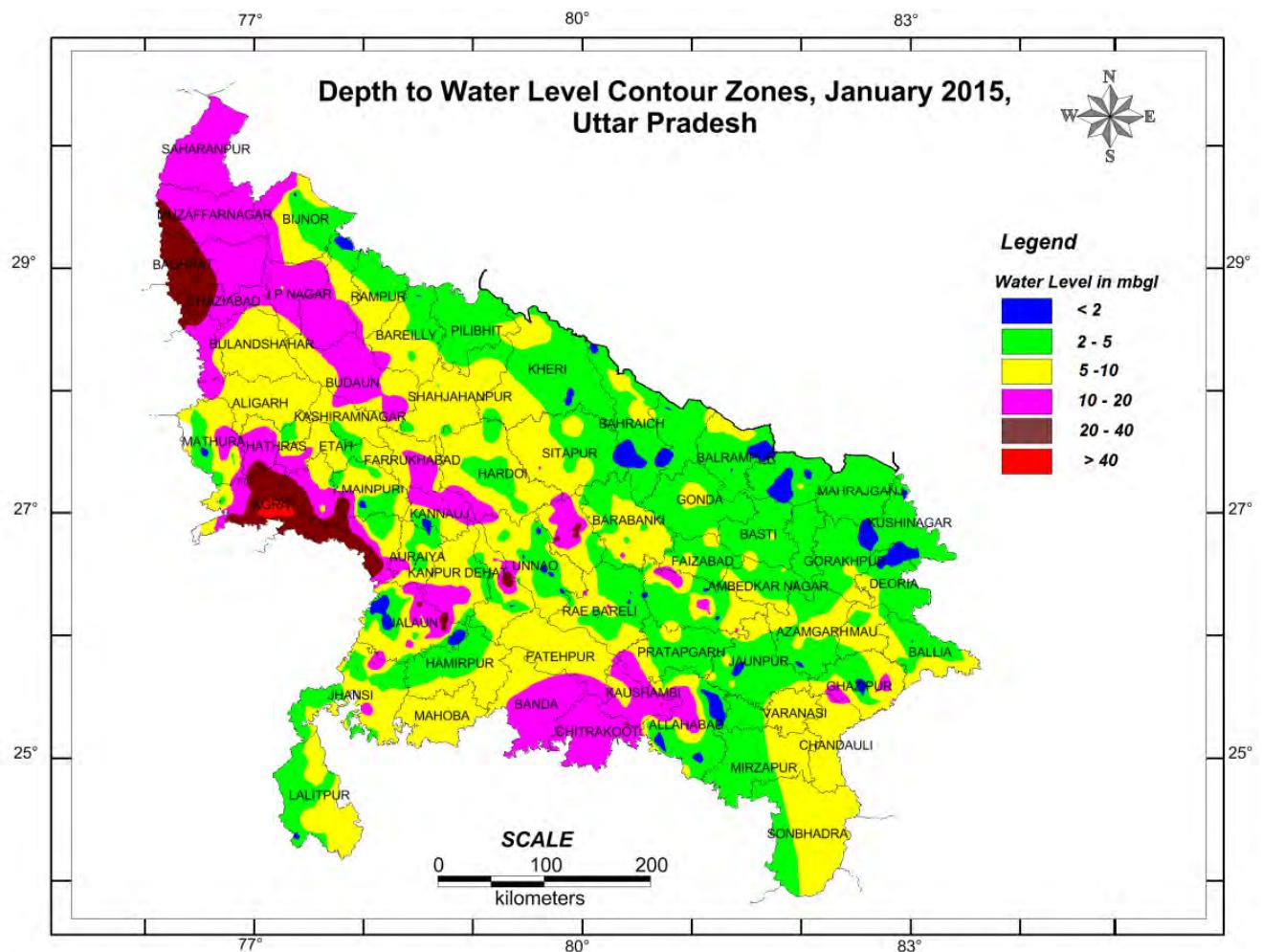
A summarized status of water level over the state during different seasons of the year 2014 –15 is as follows:

DEPTH RANGE (m)	No. and Percentage of wells			
	May'14	*Aug'14*	*Nov'14*	*Jan'15*
0-2	22(2.1%)	189(19.6%)	121(12.9%)	66(8.6%)
2-5	391(37.6%)	333(34.6%)	354(37.8%)	312(40.6%)
5-10	404(38.9%)	262(27.2%)	270 (28.8%)	249(32.4%)
10-20	180(17.3%)	143(14.8%)	151(16.1%)	111(14.5%)
>20	39(3.7%)	32(3.3%)	38(4%)	27(3.5%)

From the table it is seen that:-

1. There is a large variation in water logged area, water logging being maximum during August'14, reducing in Nov'14 and in Jan'15.

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2. Shallow water level condition (2-5 m bgl) keeps fluctuating in response to the factors such as rainfall recharge and ground water draft.

3. The area having moderate depth to water level between 5-10   is maximum in May'14, reducing considerably in August'14 and again increasing in November'14 and January'15.

4. The deep water level conditions (above 10 m bgl) being maximum in May'14 reduces afterward and remain almost same in August'14, November'14 & January'2015.

5. The spatial and temporal distribution of deeper water level zones is more or less constant. The well-wise Depth to Water level of Ground Water Monitoring Wells of the state for May'14, Aug'14, Nov'14 & Jan'15 is given in **Annexure-I**.

Chapter 6
WATER LEVEL FLUCTUATIONS

Ground water is a dynamic resource and its storage changes in response to many factors such as monsoon rainfall, ground water draft for various purposes, hydrogeological conditions, topography, landuse, cropping pattern, irrigation status – surface and ground water etc. These changes in storage are reflected in form of water level fluctuations. The periodic monitoring of water levels gives an insight into these changes through study of spatial and temporal variations of water level throughout the year. The seasonal, annual and decadal comparisons of the water level data monitored at stations have been done and is analyzed as follows.

6.1 Seasonal Fluctuation during 2014 -15

The fluctuation of the water level in a particular year gives a picture of the response to rainfall and ground water extraction. The water level of May, the pre-monsoon water level, which is the lowest water level after all the inputs and outputs during one year, has been compared with that of Post-monsoon water level i.e. November'2014 and January'2015.

May2014 – November 2014

The difference between the pre and post-monsoon water level of the year, is the most important seasonal fluctuation which gives a clear picture of groundwater potential which could be fruitfully utilized for various uses over the succeeding year. This fluctuation is used to evaluate the dynamic ground water resource through the change in ground water storage. The depth to water level data during pre and post monsoon seasons of the year 2014 has been compiled and computed to estimate the seasonal change in water level. The same has been presented on district level in Table-7 and depicted in Plate-VIII.

Plate-VIII

Seasonal Water Level Fluctuation Zones,
(May, 14 - November, 14)
Uttar Pradesh
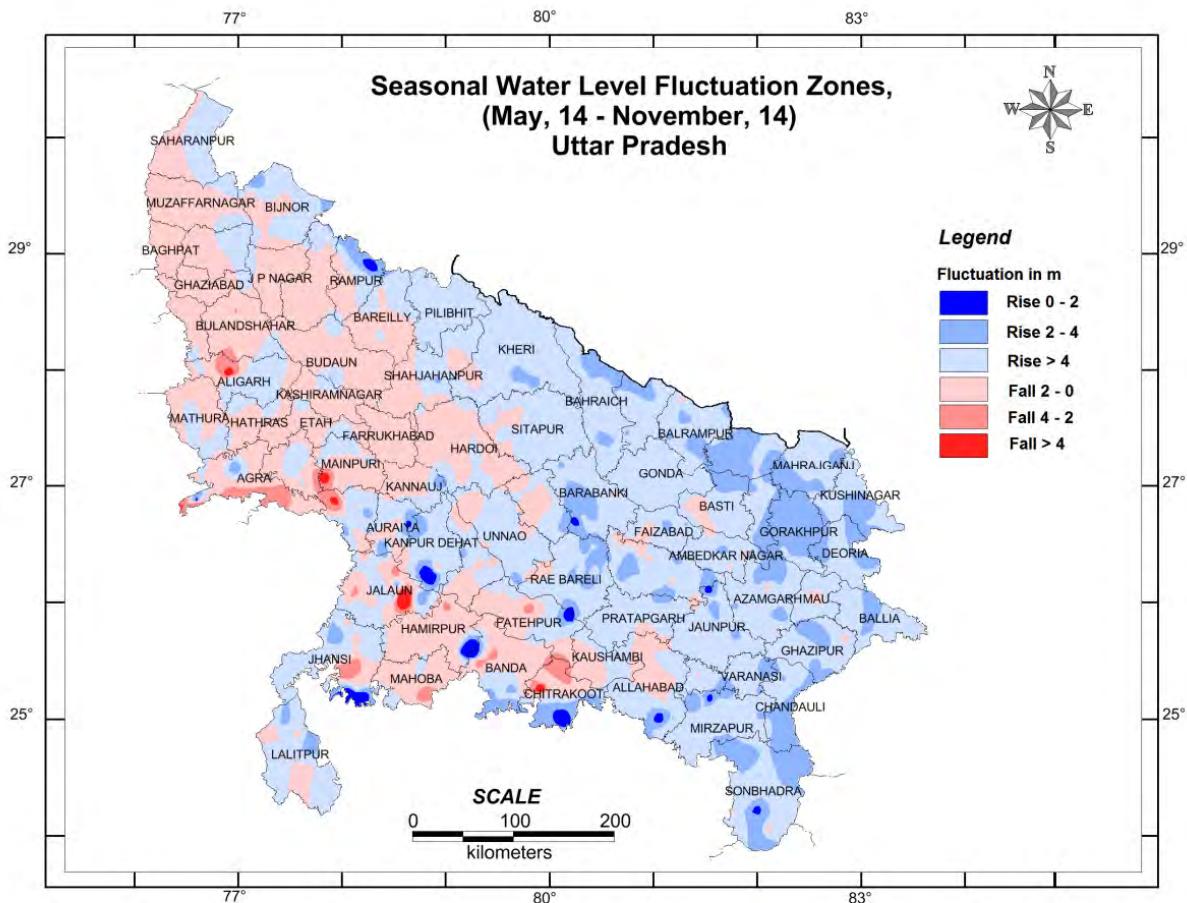
The district wise data indicate a rise in water level in almost 59.45% of the wells indicating monsoon recharge to ground water. There is a general rise in water levels from 0 to 2 m as noticed at 406 (46.2%) wells. This rise is seen in almost all the districts of the state except north Central part of the state. The rise in water levels in the range of 2 - 4 m is observed in 130 wells (14.8%).This range is observed mostly in eastern and parts of central and southern U.P. But their spatial extent is limited to patches and are confined in Jalaun, Hamirpur, Banda, Chitrakoot of Bundelkhand region and Ballia, Faizabad, Ghaziabad, Mau and Pratapgarh districts of Poorvanchal. The rise of more than 4 m is observed in 98 wells (13%), covering few parts of hard rock areas of Allahabad, Chandauli, Chitrakoot, Fatehpur, Hamirpur, Jalaun, Jhansi, Mirzapur, Pratapgarh, Sonbhadra and Varanasi districts.

During premansoon period, there are 319 wells (36.33%) shows declining in water level. Fall of 0 to 2 m in water level is observed in 296 wells no. (33.7%) in isolated patches. Fall of 2 to 4 m is noticed only in 16 wells and fall of > 4 m is observed only in 7 wells.

May 2014 – January 2015:

By January the rainfall infiltration starts dissipating and ground water extraction which had come down during the monsoon also starts building up. But the rise in water level continues though at a lower scale. The water level data during pre monsoon period i.e. May'14 and that of January'2015 have been analysed to estimate the change in water levels. The same has been presented on district level in table-8.

There is a rise in water level in 429 no. of analysed wells (59.7%) and a fall in 286 no. (39.83%) of analysed wells. The rise in water levels in the range of 0–2 m is seen in 52% wells covering almost all the districts of the state. Rise of 2 – 4 m is observed at 6.9% wells spread throughout the state. Rise of more than 4 m is observed at 5 analysed wells . About 37.4% of wells (269 no.) of analysed wells show fall of 0-2 m in patches in few districts. 12 no. wells show fall of 2-4m and 5 well show fall of >4m.

The overall picture of change of ground water storage over the entire state during 2014 which emerged from the analysis of pre and post monsoon water level observation and water level fluctuation during May'14 and January'15 has been summarized as follows.

Fluctuation Change of Groundwater Storage in U.P. (2014-15)

Magnitude of Change (m)	May'14 – Nov'14		May'14 – Jan'15	
	Rise (%)	Fall (%)	Rise (%)	Fall (%)
0-2	46.2	33.7	52	37.4
2-4	14.8	1	6.9	1.67
>4	1.4	0.79	0.69	0.69

It is evident from analyses that ground water has been recharged in most parts of the state and the quantum of recharge is reflected through a rise in water level to a tune of 0-4 m. Number of wells showing rise of 0-2 m in water level from May'2014 to November'2014 and from May'2014 to January'2015 increased from 46.2 to 52% respectively. Percentage of analysed wells showing rise of water level in the range of 2-4 m has decreased from 14.8 - 6.8 in May'2014 to November'2014 and to January'2015 respectively and number of wells showing rise of water level of more than 4 m has remained same of 0.69%.

6.2   Annual Fluctuation

Whereas the seasonal fluctuation in the water level occurs due to rainfall and irrigation as the two main factors during different periods of the year it is the annual fluctuation which gives the net result of one whole cycle of recharge and discharge that has taken place during one year. An annual decline indicates that ground water extraction has been in excess of the rainfall recharge in broad terms.

To evaluate the annual change in groundwater levels during 2014-15 as a resultant of different variables and to develop a strategy for future development, the water level of different seasons over the state was compared to that of the same season in the previous year. The out come is discussed subsequently in brief.

May 2013 –14:

The water level data collected during May'2014 has been compared with May'2013 data to evaluate the rise and fall in water levels since last one year. The wells have been categorised depending on rise and fall in water levels.

It is analysed that 245 no. (30.7%) monitoring wells show fall and 545 no.(68.2%) show rise in water level. The fall of 0 - 2 m is observed in 224 (28%) monitoring wells in almost all parts of the state. This fall is prominent in Agra, Aligarh, Ambedkar Nagar, Auraiya, Bahraich, Balrampur, Banda, Barabanki, Bareilly, Bijmor, Budaun, Deoria, Etawah, Faizabad, Firozabad, Ghazipur, Gonda, Gorakhpur, Hathras ,Jhansi, Kanpur Nagar, Kannauj, G.B.Nagar, Kheri, Kushinagar, Maharajganj, Mau, Mathura, Pilibhit, Meerut, Raebareli, St.Kabir Nagar, Shahjahanpur, Siddhartha Nagar, Shrawasti, Sitapur, Sultanpur and Unnao districts. Fall of higher magnitude (2 to 4 m in water level) as compared to May'2014 is observed in 14 monitoring wells and only 7 wells shows fall more than 4 m.

A rise of 0 - 2 m in water level is observed as patches in 470 monitoring wells (58.8%) in Allahabad, Auraiya, Azamgarh, Ballia, Basti, Bulandsahar, Chandauli, Chitrakoot, Etah, ,Faizabad, Farrukhabad, Fatehpur, Ghazipur, G.B.Nagar, Ghaziabad, Gorakhpur, Hardoi, Jalaun, Jaunpur, Jhansi, Kaushambi, Lalitpur, Lucknow, Mahoba, Mirzapur, Meerut, Pratapgarh, Raebareli, St.Ravidas Nagar, Sitapur, Sonbhadra, Sultanpur Shrawasti, Siddhartha Nagar Unnao and Varanasi districts. Rise of 2-4 m in water level is observed in 65 Monitoring wells (8.1%) and rise of more than 4 m is seen in Monitoring wells in small patches in Agra, Hamirpur, Fatehpur, Chitrakoot, Mirzapur, Unnao, Raebareli districts.

The district wise changes have been shown in Table-9 and the same is depicted in Plate-IX.

Plate - IX

Annual Water Level Fluctuation Zones, May 2013-14, Uttar Pradesh
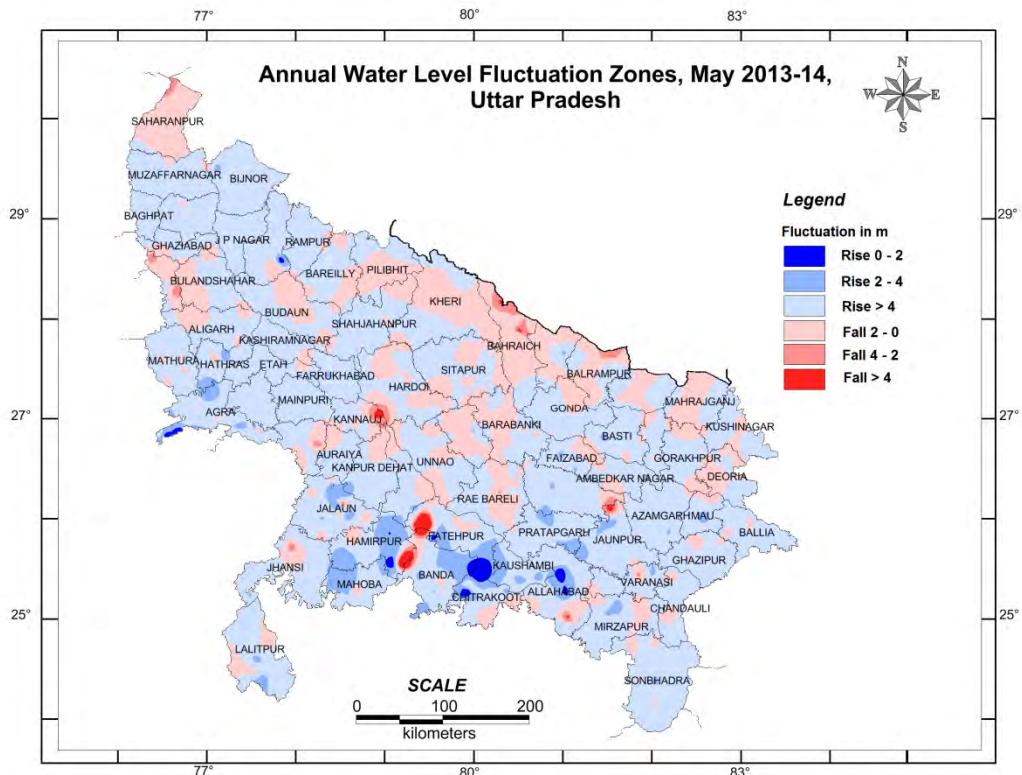
August 2013-14:

The water level data collected during August'2014 has been compared with Aug'2013 data to evaluate the rise and fall in water levels since last one year. The wells have been categorized depending on rise and fall in water levels.

There is fall in water level in 565wells (74.8%) and rise in 184 wells (24.37%). The fall in water level is because 97% of the state has received deficient to scanty monsoonal rainfall. A rise of 0 -2 m is observed at 154 monitoring stations (20.39% of the monitored wells) in few eastern and southern districts of the state. A rise of 2-4 m is seen in 22 wells (2.9%) and rise of more than 4 m in 8 wells as scattered patches but largely concentrated in South Central parts of the State.

The fall of 0 -2 m in levels is observed   in 392 wells (51.9% of the monitored wells) covering all the districts of western U.P. and most of the districts of central U.P. A fall of 2 - 4m is observed in 130 wells (17.2%) in small parts of districts of

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Allahabad,Ballia,Chitrakoot,Jhansi, Pratapgarh, Moradabad and fall of more than 4 m is observed only at 43wells.

The district wise changes have been shown in Table-10 and the same is depicted in Plate-X.

Plate- X.
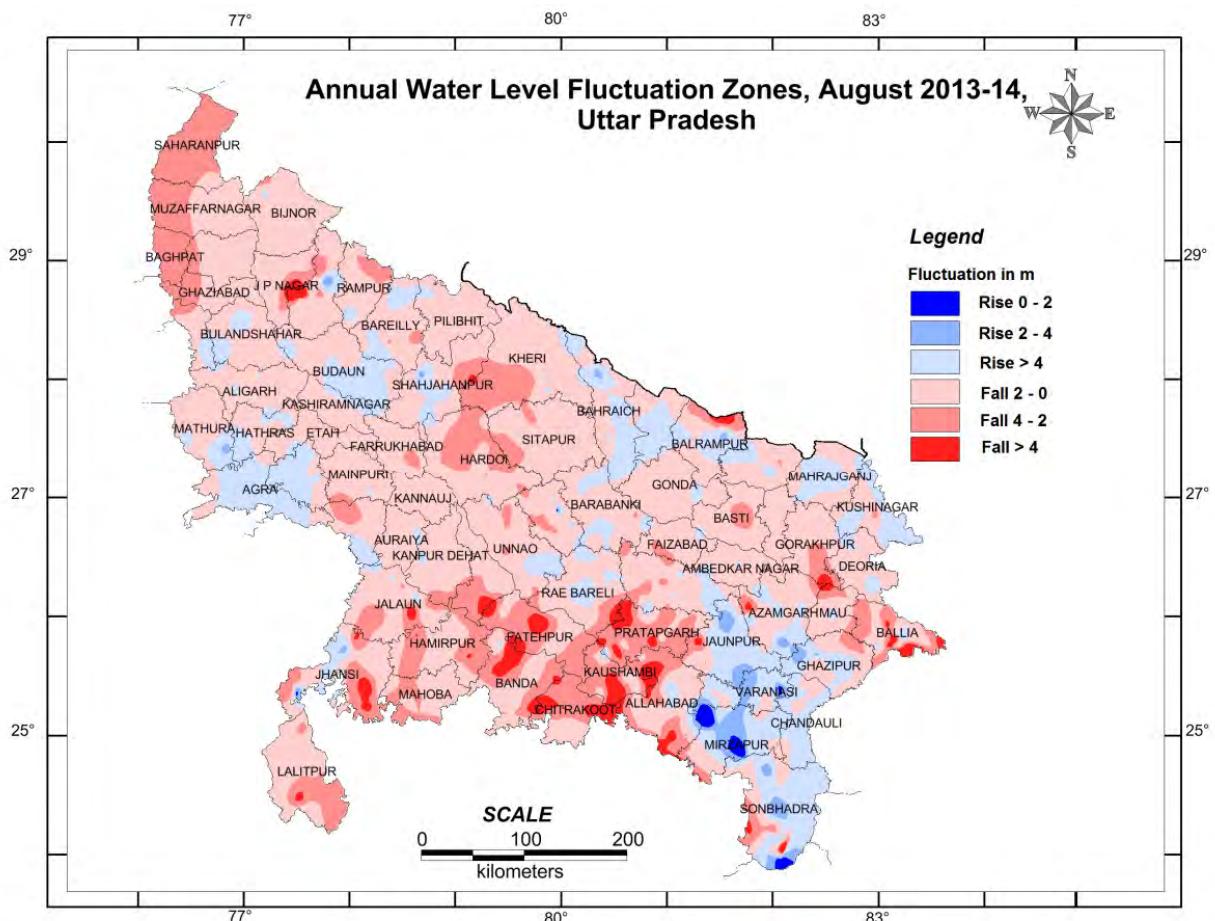
November 2013 – 14:

The water level data collected during November'2014 has been compared with November'2013 data to evaluate the rise and fall in water levels since last one year.   It is observed that 176 wells (22.1%) show rise and 614 no. (77.1%) wells show fall in water level. Since the state has received 97% deficient to scanty monsoonal rainfall resulting in to decline of groundwater level.

A rise of 0 -2 m, in water levels, is observed at 167 wells (20.9%). Rise of 0 to 2 m is observed in parts of Agra, Aligarh, Allahabad, Ambedkar nagar, Auraiya, Azamgarh, Ballia, Banda, , Barabanki , Chandauli, Chitrakoot, Etah, Faizabad, Fatehpur, Firozabad, Ghaziabad, Gorakhpur, Hamirpur, Hathras, Jalaun, Jaunpur, Jhansi, Kannauj, Kanpur Nagar,Kanpur Dehat, Kaushambi, Lucknow, Mahoba, Mathura, Mau, Mirzapur,   Meerut, Moradabad, Pratapgarh, Raebareli, Saharanpur, St.Ravidas nagar, Sonbhadra,Sultanpur and Varanasi districts. Rise of 2 -4 m is observed at only 8 wells (1%) and rise of more than 4m is observed only at Fatehpur .

The fall of 0 -2 m in levels is observed in 476 wells (59.7%) mostly in districts of Terai region and few parts of western U.P. Most parts of districts- Aligarh, Ambedkar Nagar, Behraich, Ballia, Balrampur, Barabanki, Basti, Bareilly, Bijnor, Budaun, Bulandsahar, Deoria, Etawah, Farrukhabad, Faizabad, Ghaziabad, G.B.Nagar, Ghazipur, Gonda, Gorakhpur, Hardoi, Jhansi, Kannauj, Kanpur Nagar, Kheri, Kushinagar, Lucknow, Maharajganj, Mainpuri, Mathura, Muzaffar Nagar, Pilibhit, Raebareli, St.Kabir Nagar, Shrawasti, Siddhartha Nagar, Shahjahanpur, Sitapur, and Unnao . A fall of 2 - 4m is observed at 110wells. Fall in water level > 4 m is found in 28 wells (3.5).

The district wise changes have been shown in Table-11 and the same is depicted in Plate-XI

Plate-XI

Annual Water Level Fluctuation Zones, November 2013-14, Uttar Pradesh
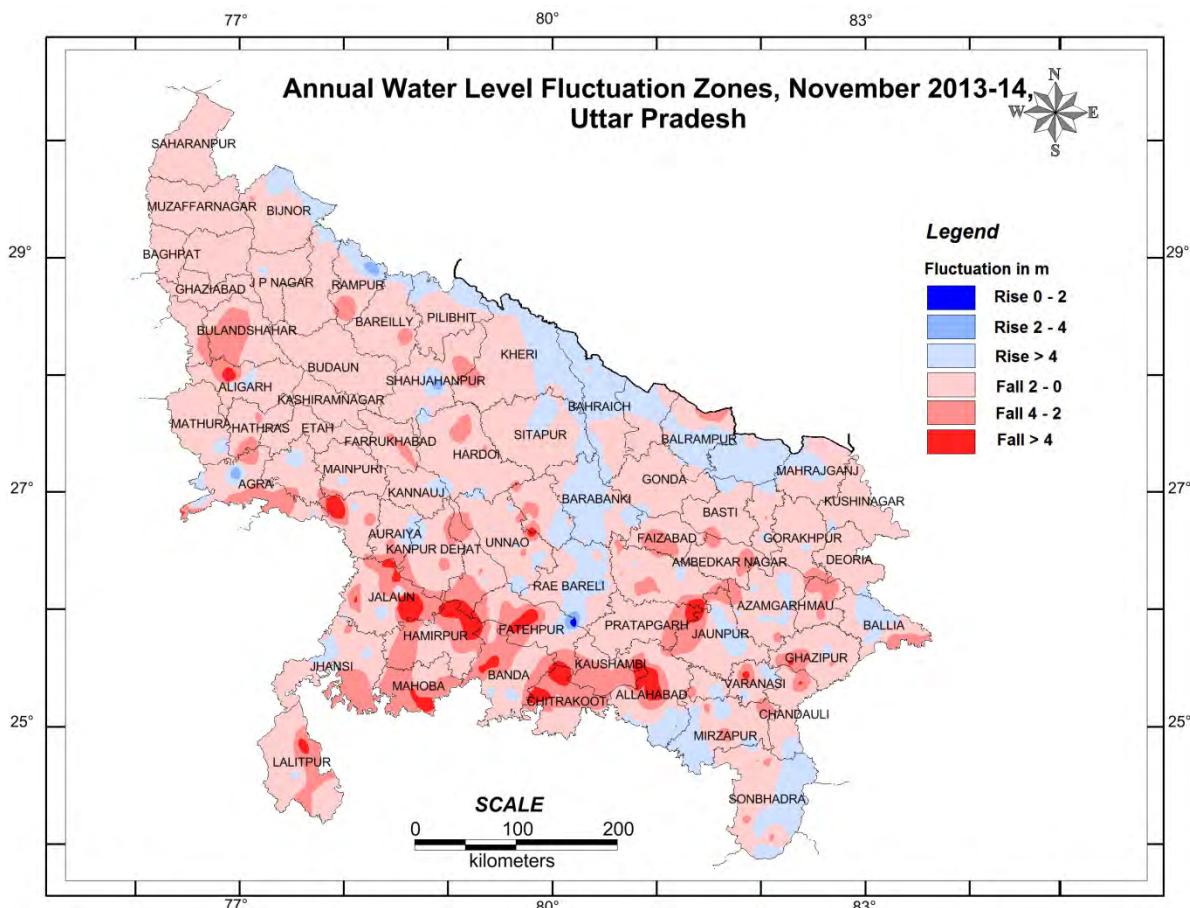
January 2014 –15

To evaluate the rise and fall in water level in January'2014 with respect to January'2015, water level data of wells have been analysed. The fluctuation data shows rise of water level in 80 Nos (12.2%) and fall in 569 Nos (87.4%) of the analysed wells. There is annual fall in water level in January'2015 as compared to January'2014 in all parts of the state. Since the state has received 97% deficient to scanty rainfall.

The fluctuation data of the state shows a rise of 0 to 2 m in 76 no. of analysed wells (11.6%) in few parts of Allhabad,Bahraich,Ballia,Balrampur,Gazipur,Shrawasti and Siddharth Nagar districts.

A rise of 2 to 4m is observed only in 3 no. wells and rise of > 4 m in only one well.

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A fall of 0-2 m in water level is noticed in 465 no. of analysed wells (71.4%) . Districts showing major parts of Aligarh, Allahabad, Auraiya, Ambedkar Nagar ,Azamgarh, Bijnor, Bahraich, Banda, Barabanki, Basti, Bulandsahar, Chandauli, Etah, Etawah, Faizabad,

Plate -XII
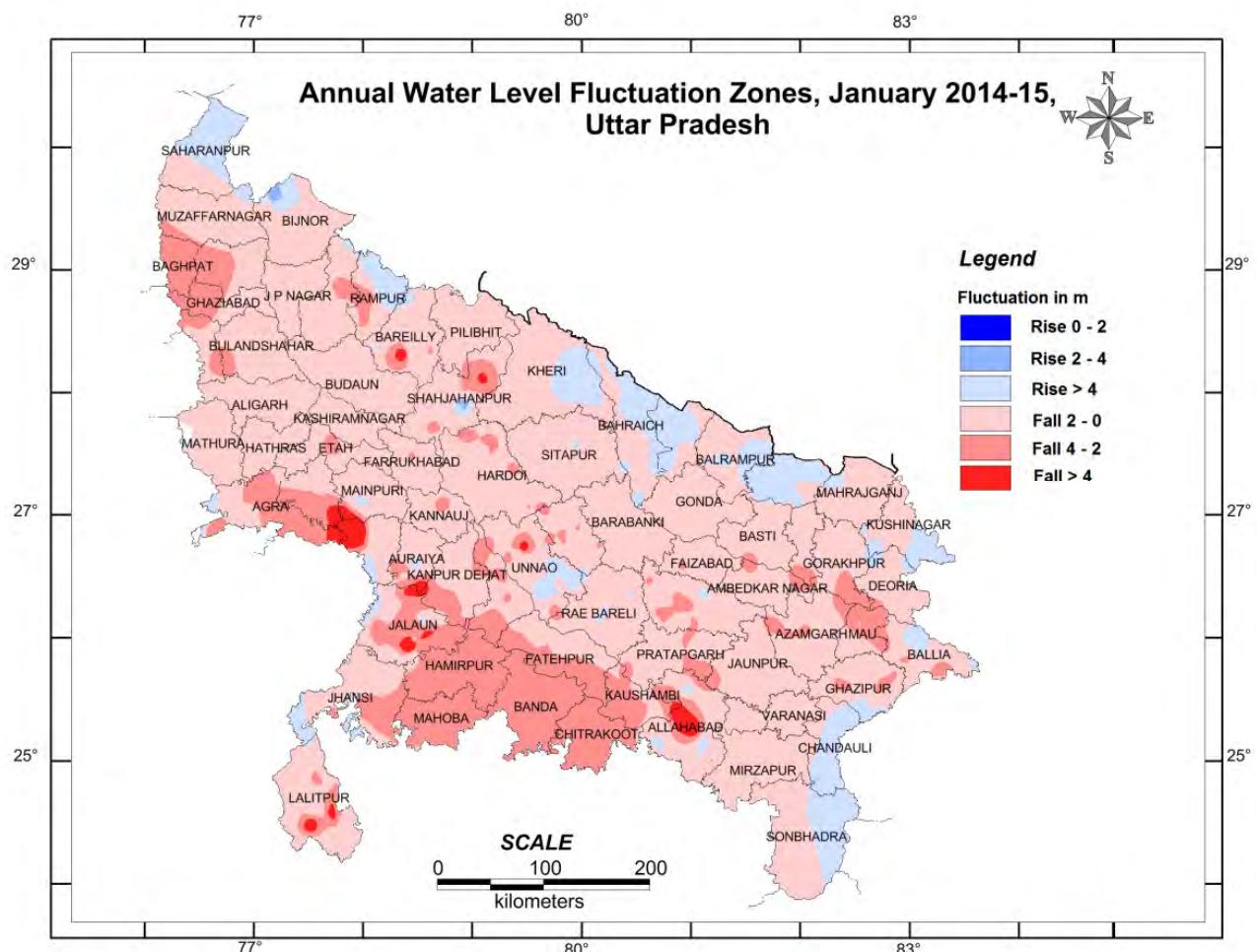
Farrukhabad, Fatehpur, Ghazipur, Gonda, Firozabad, Hamirpur, Hathras, Jalaun, Jaunpur, Jhansi,, Kannauj, Kanpur Nagar, Lalitpur, Lucknow, Mahoba, Mainpuri, Mau, Mirzapur, Meerut, Moradabad, Muzaffarnagar, Raebareli, Saharanpur, St. Ravidas Nagar, Shrawasti, Siddharthanagar, Sultanpur and Unnao districts.Fall of 2 to 4 m is seen only in 89 nos. (13.6%) well and fall of > 4 m is seen only in 15 wells.   The district wise changes has been shown in Table-12 and depicted in the Plate-XII.

The over all status of annual fluctuation in the state is summarized in following table.

Annual Fluctuation in Water Level During 2014 –15, U.P.

FLUCTUATION RANGE	May 13 - 14		August 13 - 14		November 13 -14		January 14 - 15	
	Rise (%)	Fall (%)	Rise (%)	Fall (%)	Rise (%)	Fall (%)	Rise (%)	Fall (%)
0-2	470 (58.8%)	224 (28%)	154 (20.39%)	392 (51.9%)	167 (20.9%)	476 (59.7%)	76 (11.6%)	465 (71.4%)
2-4	65 (8.1%)	14 (1.7%)	22 (2.9%)	130 (17.2%)	8 (1%)	110 (13.8%)	3 (0.46%)	89 (13.6%)
>4	10 (1.2%)	7 (0.87)	8 (1%)	5 (5.6%)	1 (0.12%)	28 (3.5%)	1 (0.15%)	15
TOTAL	545 (68.2%)	245 (30.7%)	184 (24.3%)	565 (74.8%)	176 (22.1%)	614 (77.13%)	80 (12.2%)	569 (87.4%)

From the analysis of table it is evident that the water level has shown a fall in more than half of the wells in August'14, November'14 and January'15 as compared to previous years. This is due to less monsoon rainfall expierenced in almost all parts of the state in 2014.

6.3 Fluctuation from the Decadal Mean during 2014 – 15

The fluctuations in water level described earlier are very much dependant on the rainfall and give a very short term picture. In order to remove the rainfall anomalies the long term water level is considered as this would normalize the erratic highs and lows. For this the water level of each season has been compared to the mean water level of past 10 years. This has been done to evaluate the status of water level during the year 2014-15 with respect to long term mean. The out come of the analysis has been compiled on district level and the same has been discussed subsequently for the four seasons of observation.

Mean May (2004- 13) – May 2014

The pre-monsoon water level data for 2014 has been compared to decadal mean (2004-2013) for pre-monsoon periods, and district-wise analysis of Ground Water Monitoring wells has been compiled in Table-13 and fluctuation map has been prepared and given in Plate –XIII. The analysed data show total of 562 no.(62.5%) wells show rise and 332 no.(36.9%) show fall in water level.

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Plate –XIII
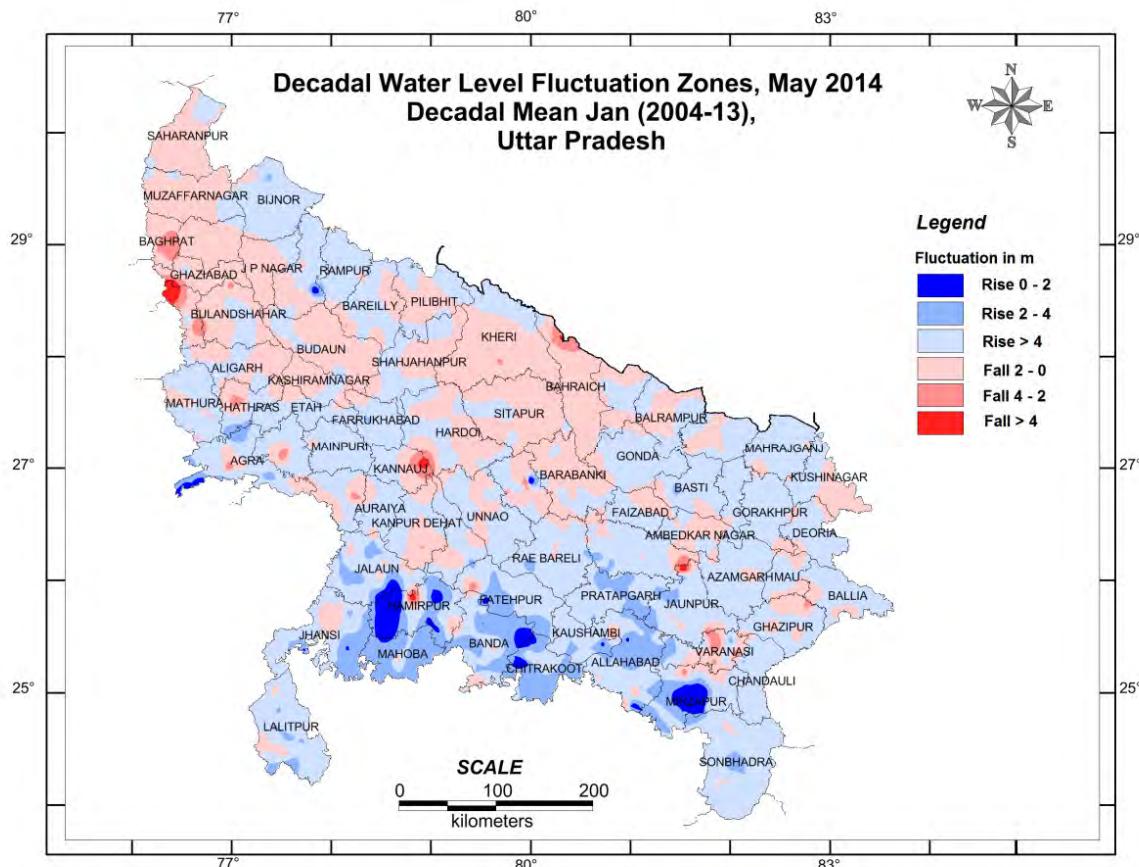
It is observed that 293 no. Monitoring wells (32.6 %) show a fall of 0-2 m. Fall of higher magnitude is found along Yamuna river. A fall in water levels between 2-4 m is observed in 31 (3.4%) Monitoring wells in major parts of Agra, Allahabad, Banda, Chitrakoot, Fatehpur, Hamirpur, Jaunpur, Lucknow, Mathura, Mau, St. Ravidas Nagar, Sonbhadra, Sultanpur, Ghazipur, Hathras, Jalaun, Kaushami, Mirzapur, and Varanasi districts. Few patches showing a fall of more than 4m in the water levels, with respect to decadal mean of May, are seen in 8 Monitoring wells.

There is a rise in water level from 0 to 2 m with respect to decadal mean of May in 447(49.7%) Monitoring wells.Rise of 2 - 4 m is observed at only 95 Monitoring wells and rise of more than 4 m is observed in 20 Monitoring wells.

Mean August (2004- 2013) – August 2014

The average water level of last 10 years (2004 to 2013) for each well for the month of August has been evaluated and compared with water level data for August'2014. The wells

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have been categorized depending on rise and fall in water levels and shown in Table-14 and fluctuation map has been given in Plate-XIV.

There is rise in water level in 313 wells (37.8%) and fall in 513 (62.1%) wells. There is a rise of 0 to 2 m in water level in patches in 260 wells (31.4% of the monitored wells) in most districts of the state except in western U.P. and few patches in eastern U.P. Rise of 2 -4 m and more than 4 m is observed in 42 (5%) and 11 wells (1.3%) wells respectively

Plate-XIV

Decadal Water Level Fluctuation Zones, August 2014
Decadal Mean Jan (2004-13),
Uttar Pradesh

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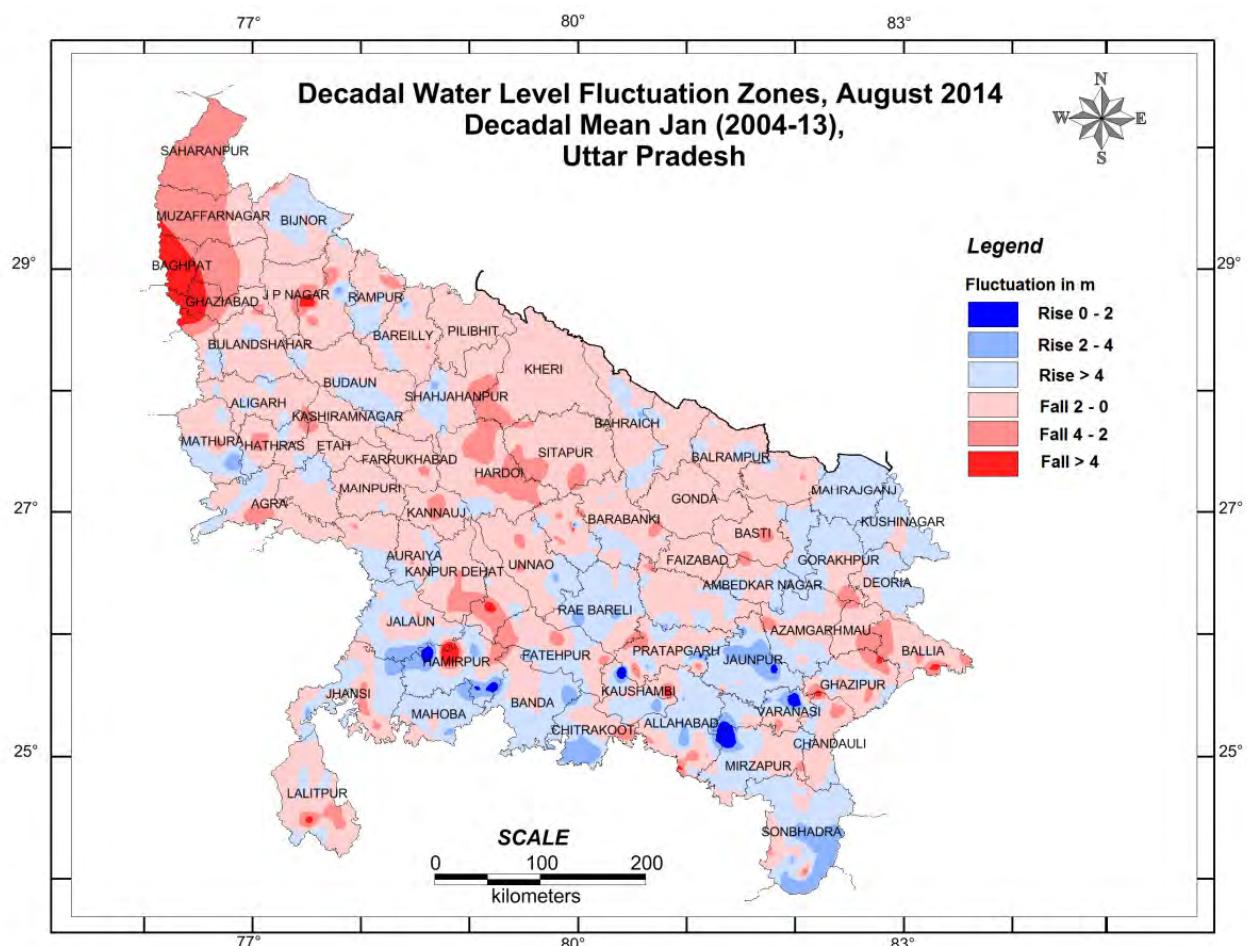
The fall in water level are noticed in 513 wells (62.1% of the monitored wells). Most of the districts of western parts of the state and few in south eastern U.P. show a fall in the range of 0 - 2 m . 406 wells (49.1%) show fall in this range. Districts showing major parts under fall in water level of 0-2 m are Muzzafarnagar, Bagpat, Meerut, Gaziabad, Buladshahr, Hathras, Etawa. Budaun, Farrukhabad, Kannauj, Hamirpur, Hardoi, Kanpur Dehat, Bahraich, Shrawasti, Balrampur, Azamgarh, Gazipur, Chandauli Mirzapur and Sonbhadra district. The fall of 2 - 4 m is observed in 92 wells (11.13%). Fall of >4m is observed only in 15 no.

wells. Districts showing major parts under fall of 2-4 m and also having areas showing fall more than 4 m are Ambedkar Nagar, Bulandsahar, G.B.Nagar, Harhras, Kanpur Nagar, Meerut, Varanasi .

Mean November (2004- 13) – November 2014:

The average water level of last 10 years (2004-13) for each hydrograph station for the month of November has been evaluated and compared with water level data for November'14. The wells have been categorized depending on rise and fall in water levels and shown in table-15 and fluctuation map has been given in Plate-XV.

Plate-XV
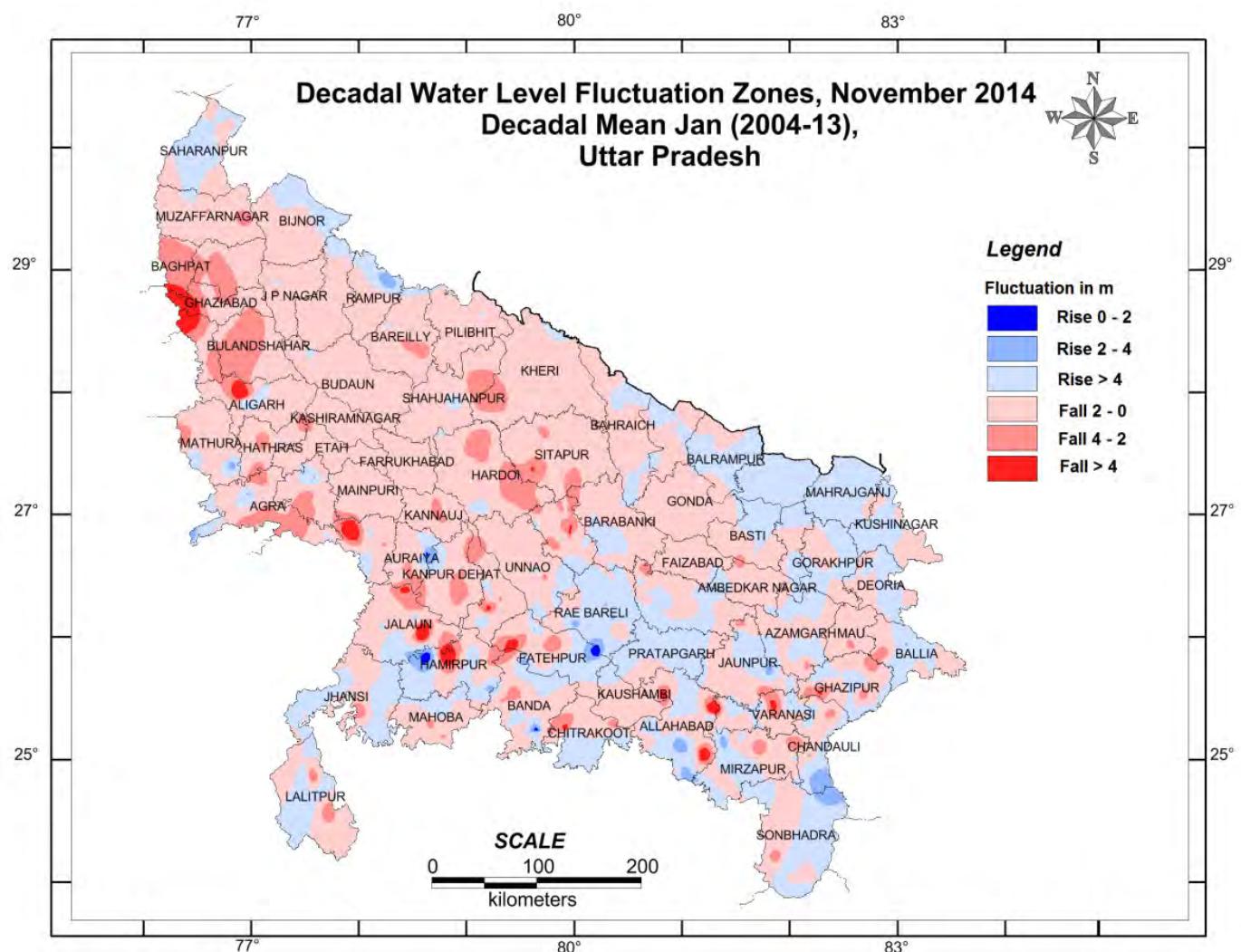
There is a rise in water level in 277 nos. wells (32.7%) and fall in DWL is observed in 568 Nos. of wells(32.7%).Rise in DWL is predominant in parts of most districts of central, western and southern U.P. Fall is observed majority in most districts of Terai region, eastern, south eastern, southern ,western and parts of central U.P.

The rise between 0 and 2 m in water levels is observed in 251wells (29.7%). This range is mostly observed in parts of Agra, Aligarh, Allahabad, Auraiya, Ambedkar Nagar, Budaun, Banda, Bareilly, Basti, Bijnor, Chandauli, Deoria, Etah, Etawah, Gonda, Farrukhabad, Fatehpur, Ghaziabad, Jhansi, J.P.nagar, Jalaun, Kannauj, Kanpur Dehat, Kushi Nagar, Maharajganj, Mathura, Mirzapur, Moradabad, Raebareli, Saharanpur, Shahjahanpur districts. Rise of 2 -4 m is observed only at 22 wells(2.6%) and rise of more than 4m is noticed only at 4 wells.

The fall of 0 - 2 m in water levels are noticed in 459 wells (54.3%). Districts showing major parts as decline of 0-2 m are Aligarh, Allahahbad, Ambedkar Nagar, Azamgarh, Ballia, Bahraich, Balrampur, Barabanki, Basti, Bulandsahar, Chitrakoot, Deoria, Faizabad, Fatehpur, Firozabad, G.B.Nagar, Ghaziabad, Gonda, Gorakhpur, Ghazipur, Hamirpur, Hardoi, Jaunpur, Kannauj, Kheri,, Kaushambi, Kanpur Dehat, Kanpur Nagar, Lalitpur, Lucknow, Maharajganj, Mahoba, Mainpuri, Mau, Meerut, Muzaffarnagar, Pratapgarh, Pilibhit, Rae Bareli, St.Kabir Nagar, Sonbhadra, Sultanpur, Shrawasti, Sitapur, Unnao and Varanasi .The fall of 2 - 4 m is observed in 88 wells (10.4%) mainly in Agra, Allahabad, Ballia, Chitrakoot, G.B.nagar, Ghaziabad, Ghazipur, Hamirpur, Jaunpur, Lalitpur, Pratapgarh, St. Ravidas nagar, Sultanpur and Varanasi districts.Fall of > 4 m in water level is observed in 21no wells (2.4%) mainly in Mirzapur,Meerut, Jalaun and Lucknow districts.

Mean January (2005- 14) – January 2015:

The average water level of last 10 years (2004-13) for each hydrograph Monitoring station for the month of January has been evaluated and compared with water level data for January'2015. The wells have been categorised depending on rise and fall in water levels and shown in Table-16 and map showing this fluctuation is shown in Plate-XVI.

Plate-XVI

Decadal Water Level Fluctuation Zones, Janauary 2015 Decadal Mean Jan (2005-14), Uttar Pradesh
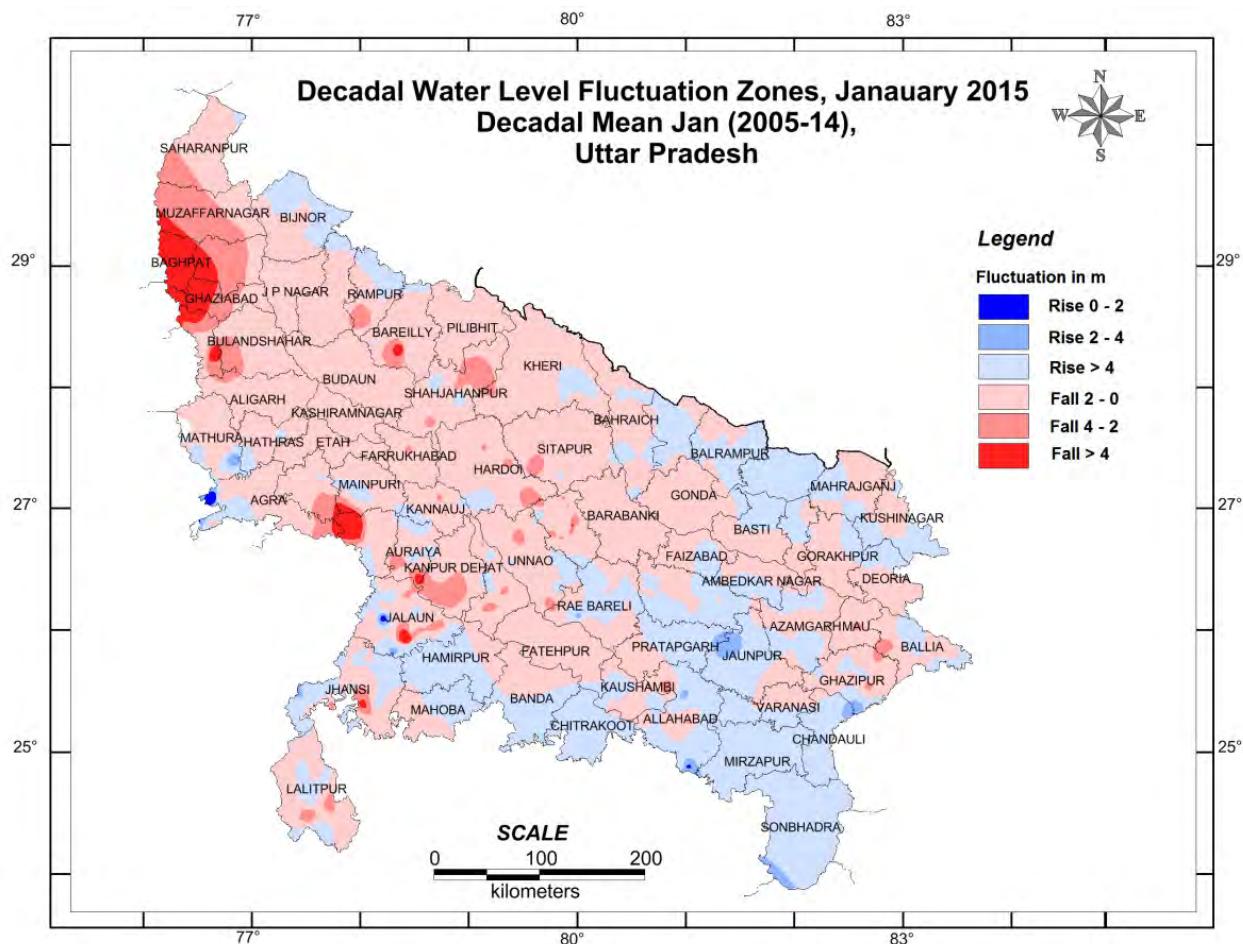
There is a rise in water level in 224 no. of analysed wells (32.5%) and a majorty are showing fall in 464 no.(67.4%) of analysed wells. Due to less monsoonal rain fall in all the district resulting in to 32% of wells shows rise in water level. About 30.3% of analysed wells (209 no.) show rise of 0 to 2 m in water levels. This rise is observed mainly in major parts of districts of Auraiya, Azamgarh, Bahraich, Barabanki, Bareilly, Basti, Bijnor, Budaun, Bulandsahar, Chandauli, Deoria, Etah, Etawah, Gonda, Hardoi, Hathras, Jalaun, Jaunpur, Jhansi, Kannauj, Kanpur Nagar, Lalitpur, Mathura, Mau, Mirzapur, Moradabad, Pilibhit, Raebareli, Rampur, Saharanpur, Shahjahanpur, Shrawasti, Siddharthanagar, Sonbhadra and Unnao. A rise of 2 to 4 m is noticed only in 108 (12%) wells and rise of > 4 mbgl is observed only in 38 wells.

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A fall of 0 to 2 m is observed in 402 no. wells (about 58.4%) in major parts of the districts in eastern, central and few districts of western U.P. Districts with major parts showing decline of 0-2 m are   Barabanki, Baghpat, Barelly, Ballia, Chitrakoot, Faizabad, G.B.Nagar, Ghazipur, Gorakhpur, Kanpur Dehat, Unnao, Kaushambi, Kheri, Kushinagar, Maharajganj, Mainpuri, Meerut, Moradabad, Muzaffarnagar, St. Kabir Nagar, St.Ravidas Nagar, Siddharthanagar, Sitapur, Sultanpur and Varanasi. Fall of 2 to 4 m is observed in 53 no. wells (7.7%) in parts of Agra, Allahabad, Auraiya, Gazipur, Ghaziabad, Shahjahanpur, Kanpur Dehat, Ballia and Lucknow districts. Fall of more than 4 m fall is encountered in 9 Nos wells.

DECADAL FLUCTUATION 2014 – 15, U.P.

FLUCTUATION RANGE	Mean May (2004-13) to May'14		Mean August(2004-13) to August'14		Mean Nov(2004-13) to November'14		Mean Jan(2005-14) to January'15	
	Rise (%)	*Fall (%)*	*Rise (%)*	*Fall (%)*	*Rise (%)*	*Fall (%)*	*Rise (%)*	*Fall (%)*
0-2	447 (49.7%)	293 (32.6%)	260 (31.4%)	406 (49.1%)	251 (29.7%)	459 (54.3%)	209 (30.3%)	402 (58.4%)
2-4	95 (10.5%)	31 (3.4%)	42 (5.0%)	92 (11.1%)	22 (2.6%)	88 (10.4%)	11 (1.5%)	53 (7.7%)
>4	20 (2.2%)	8 (0.89%)	11 (1.33%)	15 (1.8%)	4 (0.47%)	21 (2.4%)	4 (0.58%)	9 (1.3%)
Total	562 (62.5%)	332 (36.9%)	313 (37.8%)	513 (62.1%)	277 (32.7%)	568 (67.2%)	224 (32.5%)	464 (67.4%)

From the analysis of table it is evident that the water level has shown a fall in more than half of the wells in Aug'14, Nov'14 and January'15 as compared to mean of last ten years. The changes in water level with respect to mean were confined to a magnitude of 0-2 m. The rise/fall of higher magnitude was limited and isolated in nature.

WATER LEVEL TREND

The seasonal, annual and decadal fluctuation gives an idea of the behavior of the water level but is subjected to many anomalous factors which give a short term picture. To have a true picture where highs and lows are balanced out, the long term trend for ten years 2005 to 2014 has been worked out and analysed on the basis of DWL data of Ground Water Monitoring Wells. The pre monsoon, post monsoon and annual trend for the said period is given in Annexure-II.

The declining trend data during Pre-monsoon for the period 2005-2014 are summarized as follows:

Percentage of wells showing Decline in Pre-monsoon DWL (cm/year)		
0-20cm	**20-40 cm**	**>40 cm**
73.1 %	15.8%	10.7%

There is a declining trend in 51.4% of the monitoring wells covering over 10 years period. Decline of 0 – 20 cm/yr is most extensive covering 73% wells followed by 20 – 40 cm/yr in 15.8% wells and >40 cm/yr in 10.7%. The low decline is spread all over the state but dominant in eastern and central parts and along Terai belt of the state. Higher decline occurs in most of the districts of western and southern regions. There is a rise in trend in 44.1% of the monitoring wells over 10 years period. The Pre-monsoon DWL trend map of U.P. for the period 2005 to 2014 has been shown in the plate-XVII.

Plate-XVII

The declining trend data during Post-monsoon for the period 2005-2014 are summarized as follows:

Percentage of wells showing Decline in Post-monsoon DWL (cm/year)		
0-20cm	20-40 cm	>40 cm
71%	13.9 %	13.9%

There is a declining trend in 50.6% of the monitoring wells over 10 years period. Decline of 0 – 20 cm/yr is most extensive covering 71% wells followed by 20 – 40 cm/yr in 13.9% wells and >40 cm/yr also in 13.9% wells. The low decline is spread all over the state but dominant in central, eastern part and along Terai belt of the state. Higher decline occurs in most of the districts of western, north western and southern parts and along Yamuna River. There is a rise in trend in 44.3% of the monitoring wells over 10 years period. The Post-

monsoon DWL trend map of U.P. for the period 2005 to 2014 has been shown in the plate XVIII.

Plate: XVIII
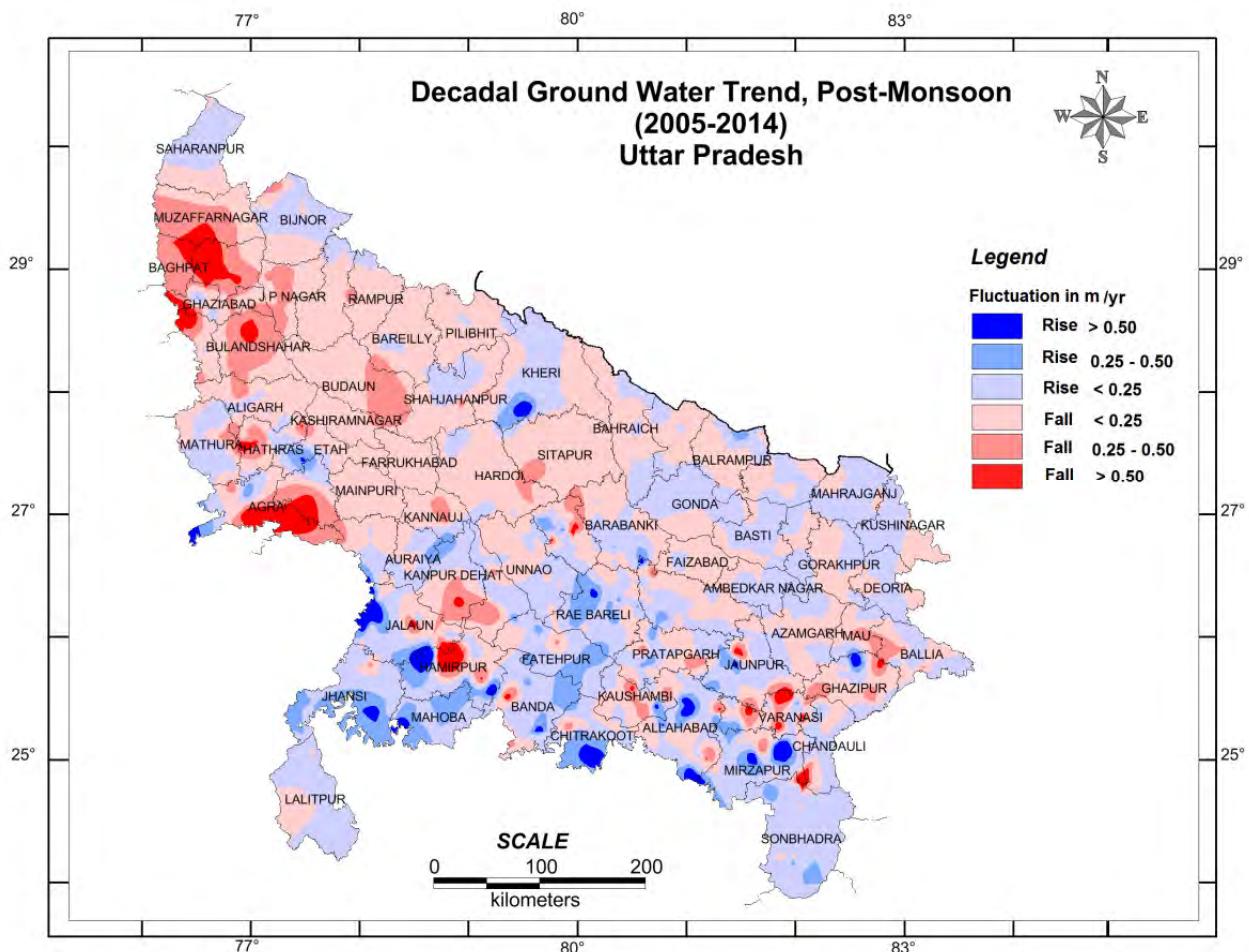
Chapter 7

GROUND WATER QUALITY
(Based on NHS data 2014-15)

INTRODUCTION

The availability of fresh water for human consumption, irrigation, agricultural development and other activities is associated with the growing needs of modern living conditions but is decreasing day by day due to increase in population, urbanization, industrialization and erratic behavior of rains. To meet the requirement of fresh water, the dependency on ground water is increasing in comparison to surface water because during summer season most of the surface water bodies do not have sufficient water, while ground water is easily accessible throughout the year.

The quality of groundwater is affected in three ways i.e. physical, chemical and bacteriological, although the procedure is very slow and complex to understand. The quality of ground water in the phreatic aquifer depends on the nature of rocks, contact time, circulation and temperature. It is also dependent on the solubility of the minerals present in the rocks. To some extent the atmospheric precipitation (rain water) is also contributory factor for affecting the quality of ground water as during the rain fall most of the gases such as CO_2, SO_2 and NO_2 present in the atmosphere gets dissolved in the rain water during the course of downward travel and percolate down through the earth surface dissolving mainly calcium and magnesium present in the soil forming calcium bicarbonate. The pH plays an important role in the geochemical reactions as low pH tends to help faster dissolution of the minerals. The quality of ground water is also influenced by the excessive use of fertilizers and pesticides for agricultural production and also industrial activity.

Ground water due to its long standing with minerals and rocks is generally more mineralized than surface water. This was found to be confirmed largely for water in phreatic zones. The chemical quality of ground water in phreatic zones is also affected by anthropogenic sources at the ground surface, whether it is domestic, agriculture or industrial in nature.

METHODOLOGY

To evaluate the drinking water quality of ground water ,751 water samples were collected from Ground Water Monitoring Stations (GWMS) during the A.A.P. 2014-15. Generally the monitoring stations are open dug wells tapping phreatic aquifer. Ground water samples were collected from hand pumps where dug wells are not in use. All the samples

were analysed for the determination of pH, EC, CO_3, HCO_3, Cl, F, NO_3, SO_4, PO_4, SiO_2, T.H., Ca, Mg, Na & K. These water samples were analysed as per standard methods (APHA 2005). Following standard methods (Table-1) have been adopted for the chemical analysis of different constituents in water samples.

TABLE – 1: Methods used for Chemical Analysis of Ground Water Samples

Sl. No.	Constituents	Method Used
1.	pH	pH Meter
2.	EC	EC Meter
3.	Carbonate	Titrimetric method
4.	Bi-carbonate	-do-
5.	Chloride	Mohr's method
6.	Fluoride	Spectrophotometric method
7.	Nitrate	-do-
8.	Sulphate	-do-
9.	Phosphate	-do-
10.	Silica	-do-
11.	Total Hardness	Titrimetric method
12.	Calcium	-do-
13.	Magnesium	Evaluation from TH and Ca
14.	Sodium	Flame emission photometric method
15.	Potassium	-do-

WATER QUALITY NORMS & CRITERIA

Water quality standards and guidelines have been laid down by WHO (1984), Govt. of India, National High Tech Mission (1986) and BIS (2012) and many other organizations. These guidelines are exhaustive and it becomes very difficult to analyse ground water samples for all the constituents. The water quality is judged by a common man mainly by ENT (Eyes, nose and tongue) tests before using it for domestic purposes. They are-

E (Eyes): Appearance - turbidity, particles, oily layer, color etc.

N (Nose): Odor - no smell, rotten egg smell, fishy smell etc.

T (Tongue): Taste - salinity, pH, temperature, soluble iron chloride etc.

The guidelines/standards laid down by BIS (2012) with regard to some constituents for domestic and potable purposes have been tabulated in the Table 2.

TABLE- 2: Indian Standard for Drinking Water Specifications (BIS 2012)

S. No.	Substance/ Characteristics	Desirable limit	Undesirable effect out side desirable limit	Permissible limit in absence of alternate source
1.	Colour (Hazen Units)	5	Above 5, consumer acceptance decreases	25
2.	Turbidity (NTU)	5	Above 5, consumer acceptance decreases	10
3.	pH value	6.5-8.5	Beyond this range water will effect mucous membrane.	No relaxation
4.	Dissolved solids mg/l max	500	Beyond this palatability decreases and may cause gastro intestinal irritation	2000
5.	Alkalinity mg/l max	200	Unpleasant taste	600
6.	Total hardness (as $CaCO_3$) mg/l max	300	Encrustation in water supply structure and adverse effect on domestic use.	600
7.	Chloride (as CI) mg/l max	250	Beyond this limit taste corrosion and palatability are effected	1000
8.	Calcium (as Ca) mg/l max	75	Encrustation in water supply structure and adverse effect on domestic use.	200
9.	Magnesium (as Mg) mg/l max	30	Encrustation in water supply structure and adverse effect on domestic use.	100
10.	Sulphate (as SO_4) mg/l max	200	Beyond this limit gastrointestinal irritation occurs when Magnesium of sodium is present	400
11.	Nitrate (as NO_3) mg/l max	45	Beyond this methemoglobinaemia takes place	45
12.	Fluoride (as F) mg/l max	1.0	Fluoride may be kept as low as possible. High fluoride may cause fluorosis	1.5

CHEMICAL QUALITY OF GROUND WATER IN UTTAR PRADESH

The chemical quality of ground water depends on various factors like source of water such as rainfall, erosion, dry fall out, weathering of rocks and as a result of chemical reactions taking place on and below the surface. Thus, the chemical quality of water is dependent on geological and hydrogeological conditions prevailing in the area, climate, and topography, nature of soil, physicochemical characterstics of rocks, nature of plantation and finally the activities of man resulting in environmental pollution. The pollution of ground water may lead to abandonment of wells, so in order to deal with this problem it becomes necessary to assess its suitability for drinking and irrigation purpose before corrective measures are undertaken.

SUITABILITY OF GROUND WATER FOR POTABLE PURPOSES

The suitability of ground water for drinking purposes has been assessed according to the guidelines laid down by BIS (2012). The chemical analysis results for 751 nos. of samples collected from GW monitoring Stations spread in entire Uttar Pradesh have been tabulated in Annexure A.

The changes in chemical quality of Groundwater from the year (2013-2014) have been shown in table 3 and table 4. The chemical analysis shows that there is not much variation in maximum, minimum, and average values of pH,Electrical conductivity, CO_3, HCO_3,Cl,F,NO_3,SO_4,SiO_2,PO_4,TH, Ca, Mg, Na and K.

TABLE-3: Hydro-Chemical Data of Ground Water in Uttar Pradesh (2014 -2015)

S. No.	Constituents	Minimum	Maximum	Average
1.	pH	7.0	9.1	8.04
2.	EC µS/cm at 25 ℃	149	33530	987
3.	CO_3 mg/l	Nil	132	4.67
4.	HCO_3 mg/l	85	1244	328
5.	Cl mg/l	3.5	9397	104
6.	F mg/l	Nd	5.0	0.58
7.	NO_3 mg/l	Nd	1269	22
8.	SO_4 mg/l	0.55	4659	66
9.	SiO_2 mg/l	3.0	107	30
10.	PO_4 mg/l	Nd	0.57	0.003
11.	TH (as $CaCO_3$) mg/l	50	6255	280
12.	Ca mg/l	4.0	737	44
13.	Mg mg/l	2.4	1073	41
14.	Na mg/l	3.9	5060	101
15.	K mg/l	0.13	709	8.7

TABLE-4: Hydro-Chemical Data of Ground Water in Uttar Pradesh - (2013 -2014)

S. No.	Constituents	Minimum	Maximum	Average
1.	pH	7.05	8.82	7.97
2.	EC µS/cm at 25 ºC	140	35800	1003
3.	CO_3 mg/l	Nil	48	0.5
4.	HCO_3 mg/l	73	1001	374
5.	Cl mg/l	1.0	9961	102
6.	F mg/l	Nd	6.0	0.57
7.	NO_3 mg/l	Nd	1160	23
8.	SO_4 mg/l	Nd	4560	46
9.	SiO_2 mg/l	11	57	25
10.	PO_4 mg/l	Nd	0.57	0.003
11.	TH (as $CaCO_3$) mg/l	40	4944	308
12.	Ca mg/l	8.0	609	54
13.	Mg mg/l	1.2	919	42
14.	Na mg/l	1.7	4660	87
15.	K mg/l	Nd	2920	16

Hydrogen Ion Concentration (pH) :

The pH value of ground water in the state of U.P. varies from 7.0 to 9.1 and is generally well within the permissible limit and the water is slightly alkaline in nature. The average pH value has been found to be 8.04.

Carbonate & Bicarbonate (CO_3 & HCO_3):

The Carbonate has been observed to be nil in most of the case however it has been found upto 132 mg/l & Bicarbonate has been observed in the range of 85to 1244 mg/l with average value of 328 mg /l.

Electrical Conductivity (EC):

The Electrical Conductivity is a reflection of the concentration of various chemical constituents in ground water and gives the overall quality of ground water for its various uses like drinking, irrigation and other purposes. In the study area EC ranges from 149 to 33530 µSiemens/cm at 25ºC with average value of 987 µSiemens/cm at 25ºC. In 95.5% of water samples EC values upto a max. of 2250 µS/cm at 25ºC was observed. In 3.6% of samples EC ranges between 2251 to 5000 µS/cm whereas only 0. 93% samples are found to have EC value more than 5000 µS/cm at 25ºC. The highest value of EC, 33530 µS/cm at 25ºC was observed in ground water from Nandgaon block (Mathura district). The range of Electrical

Conductivity in shallow ground water does not show much variation in the 2013 -14 and 2014 -15 as given in frequency distribution table 4 &5 and figure 1.

TABLE -4: Frequency distribution of Electrical Conductivity (2014 -2015)

EC ranges in µS/cm at 25ºC	0-250	251 - 750	751-2250	2251-5000	>5000
No. of samples	4	450	263	27	7
%	0.53	59.94	35.01	3.59	0.93

TABLE -5: Frequency distribution of Electrical Conductivity (2013 -2014)

EC ranges in µS/cm at 25ºC	0-250	251 - 750	751-2250	2251-5000	>5000
No. of samples	3	438	298	28	8
%	0.4	56.5	38.5	3.6	1.0

Figure 1: Depicts the range of Electrical Conductivity in shallow ground water of U.P
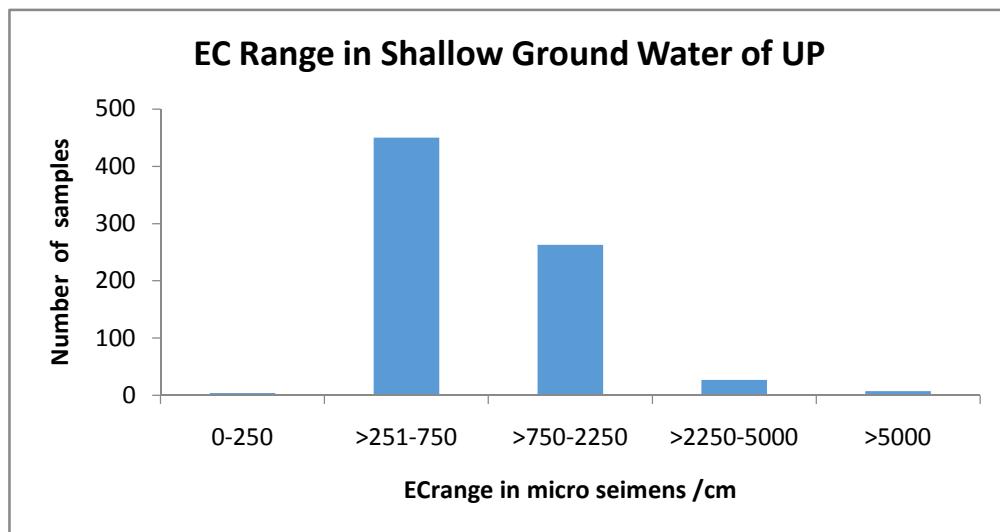
The various blocks exhibiting high values of E.C. (>2250 µS/cm at 25°C) are tabulated in following table 6 below-

TABLE 6: The blocks exhibiting high values of E.C. (>2250 µS/cm at 25°C µS/cm)

S.No	District	Block	E.C µS/cm at 25^0C
1	Agra	Achhnera	4100
2	Agra	Akola	11100
3	Agra	Bichpuri	4350
4	Agra	Etmadpur	5900
5	Agra	Fatehabad	3180
6	Agra	Jagner	4580
7	Agra	Khandauli	3550
8	Agra	Kheragarh	4900
9	Agra	Agra	3250
10	Aligarh	Gonda	4274
11	Aligarh	Khair	2587
12	Buland Shahar	Khurja	2393
13	Etah	Sakeet	2760
14	Etah	Etah	2600
15	Hamirpur	Maudaha	5745
16	Hamirpur	Sareela	4300
17	Hathras	Mursan	3856
18	Jalaun	Mahewa	2364
19	Jaunpur	MachhaliSahar	2320
20	Jhansi	Gursarai	3330
21	Jhansi	Bamaur	5437
22	Kannauj	Jalalabad	3400
23	Kanpur Dehat	Amraudha	3033
24	Mainpuri	Sultanganj	2990
25	Mathura	Farah	8643
26	Mathura	Goverdhan	2964
27	Mathura	Chaumuhan	3485
28	Mathura	Chhata	3677
29	Mathura	Nandgaon	33530
30	Mathura	Nohjhil	7810
31	Mathura	Raya	4383

S.No	District	Block	E.C μS/cm at 25^{0}C
32	Mathura	Mathura	2368
33	Pratapgarh	Sangipur	2580
34	Unnao	Asoha	3132

The comparative statement of four years i.e. (2011-12), (2012-2013), (2013-14) & (2014-15) shows a very slight variation in the water quality as is evident from the following table 7:

TABLE 7: Comparative Statement of Water Quality as per EC for four years

EC μS/cm at 25°C	Percentage of Water Samples			
Year	2011-12	2012-13	2013-14	2014-15
0-2250	96.3	97.2	95.4	95.5
2251-5000	2.8	2.0	3.6	3.6
>5000	0.9	0.8	1.0	0.90

Chloride (Cl):

The study reveals that concentration of chloride ion ranges from 3.5to 9397 mg/l with an average value of 104 mg/l. The analysis results given in the table 8a and table 8b shows that there is not variation in Chloride concentration in the groundwater for the year 2013-14 and 2014-15. From the table 8a it is clear that a total of 94% water samples fall within the desirable limit while 99.1% contain chloride within the maximum permissible limit prescribed by BIS (2012). Only 0.9% samples exhibit Cl values > 1000 mg/l viz. 2840, 1015 &1008 mg/l from Akola, Achhnera & Jagner blocks resp., distt. Agra; 2645 &9397 mg/l from Farah block and Nandgaon blocks resp distt. Mathura and 1142mg/l &1113mg/l from Maudaha and Sareela blocks resp; distt. Hamirpur.

TABLE 8a: Frequency distribution of Chloride (2014-15)

Range of Chloride in mg/l	0-250	251-1000	>1000
No. of samples	706	38	7
%	94	5.1	0.9

TABLE 8b: Frequency distribution of Chloride (2013-14)

Range of Chloride in mg/l	0-250	251-1000	>1000
No. of samples	737	30	8
%	95.1	3.9	1.0

Fig 2.depicts the range of Chloride in shallow ground water of U.P
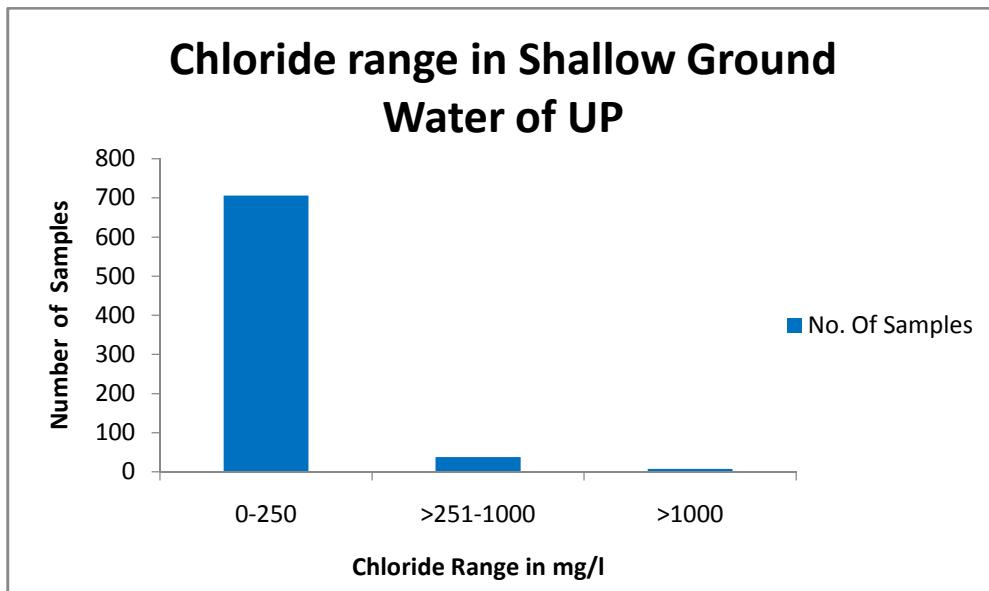
The various blocks exhibiting high values of Cl(>1000 mg/l) are tabulated in following table below-

TABLE-9 : The blocks exhibiting high values of Cl (>1000 mg/l)

S. No.	District	Block	Cl >1000 mg/l
1	Agra	Achhnera	1015
2	Agra	Akola	2840
3	Agra	Jagner	1008
4	Hamirpur	Maudaha	1142
5	Hamirpur	Sareela	1113
6	Mathura	Farah	2645
7	Mathura	Nandgaon	9397

Nitrate (NO₃) :

The concentration of Nitrate has been found varying widely. It ranges between not detectable to 1269 mg/l with an average value of 22 mg/l. 88% of water samples fall within the permissible limit of 45 mg/l (BIS 2012) and 12% samples have higher level of Nitrate concentration with the highest value 1269 mg/l recorded at Naujheel block (distt. Mathura). High Nitrate in found all over the state and does not follow any definite pattern of distribution. The distribution of samples in different concentration ranges are given in table 10a and 10b for the year 2014-15 and 2013-14. The result suggests that there is not much variation in the Nitrate concentration.

TABLE-10a: Frequency Distribution of Nitrate (2014-15)

Range of Nitrate in mg/l	0-45	>45
No. of Samples	661	90
%	88	12

TABLE-10b: Frequency Distribution of Nitrate (2013-14)

Range of Nitrate in mg/l	0-45	>45
No. of Samples	689	86
%	88.9	11.1

Fig. 3 depicts the nitrate range in shallow ground water of U.P.
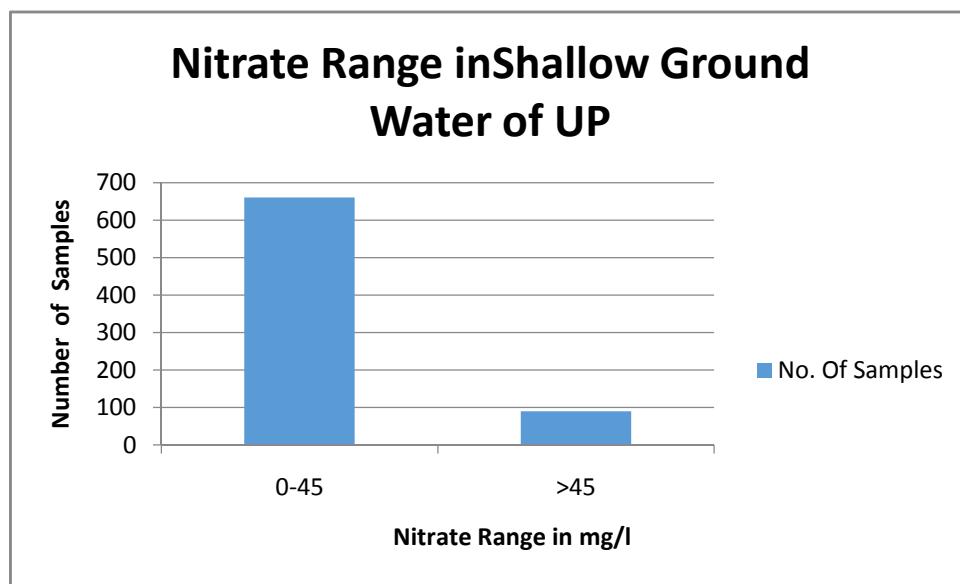
The various blocks exhibiting high values of nitrate concentration (>45 mg/l) are tabulated in following table 11:

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TABLE - 11 : Blocks associated with high values of nitrate (>45 mg/l)

S. No.	District	Block	NO3 >45 mg/l
1	Agra	Jagner	54
2	Agra	Khandauli	48
3	Agra	Agra	55
4	Aligarh	Aligarh	45
5	Aligarh	Iglas	76
6	Aligarh	Khair	77
7	Ambedkar Nagar	Akbarpur City	70
8	Auraiya	Auraiya	240
9	Azamgarh	Phoolpur	54
10	Bahraich	Balha	73
11	Bahraich	Bahraich	71
12	Balia	Murali chhapara	55
13	Banda	Kamasin	63
14	Banda	Naraini	86
15	Banda	Banda hq	167
16	Barabanki	Puredalai	86
17	Bareilly	Bhadpur	55
18	Bareilly	Baheri	65
19	Bareilly	Bhojipura	56
20	Bareilly	Ramnagar	102
21	Bareilly	Aalampur	90
22	Basti	basti sadar	63
23	Bijnor	Kotwali	59
24	Buland Shahar	Siyana	87
25	Buland Shahar	Unchagaon	103
26	Buland Shahar	Debai	62
27	Buland Shahar	Danpur	51
28	Buland Shahar	Khurja	55
29	Buland Shahar	Sikandrabad	114
30	Chandauli	Chandauli	77
31	Chitrakoot	Karvi	59
32	Chitrakoot	Pahari	194
33	Chitrakoot	Karvi hq	61

S. No.	District	Block	NO3 >45 mg/l
34	Deoria	Bhatani	53
35	Deoria	Gauri Bazar	54
36	Etah	Aliganj	55
37	Etah	Sakeet	110
38	Farrukhabad	Kamalganj	180
39	Ferozabad	Narkhi	52
40	Gonda	jJhanjhari	49
41	Gonda	Tarabganj	79.86
42	Gorakhpur	Urwa bazaar	52
43	Gorakhpur	Maniram	53
44	Hamirpur	Maudaha	700
45	Hamirpur	Rath	140
46	Hardoi	Sandi	208
47	Hathras	Mursan	45
48	J.P.Nagar	Joya	123
49	J.P.Nagar	Hasanpur	69
50	Jalaun	Konch	47
51	Jalaun	Mahewa	188
52	Jhansi	Gursarai	185
53	Jhansi	Bangra	82
54	Jhansi	Bamaur	710
55	Jhansi	Moth	78
56	Kannauj	Umarda	100
57	Kanpur Dehat	Amraudha	670
58	Kanpur Dehat	Akbarpur	60
59	Kanpur Dehat	Derapur	48
60	Kanshiram Nagar	Ganj dundwara	63
61	Kausambi	Kausambi	68
62	Kausambi	Kara	161
63	Kushinagar	Mathauli	51
64	Lalitpur	Madawra	69
65	Lalitpur	Bar	60

S. No.	District	Block	NO3 >45 mg/l
66	Lalitpur	Mehrauni	60
67	Lalitpur	Jhakaura	63
68	Mahrajganj	Munila Tola	50
69	Mahoba	Jaitpur	94
70	Mahoba	Kabrai	87
71	Mahoba	Mahoba hq	326
72	Mainpuri	Sultanganj	120
73	Mathura	Farah	84
74	Mathura	Nandgaon	167
75	Mathura	Nohjhil	1269
76	Moradabad	Moradabad	99
77	Sambhal	Pawansa	48
78	Sambhal	Sambhal	52
79	Sant Kabir Nagar	Dhanghata	53
80	Shrawasti	Hariharpur rani	79
81	Sonbhadra	Chopan	75
82	Sonbhadra	Babhani	94
83	Sonbhadra	Ghorawal	68
84	St. Ravidas Nagar	Deegh	110
85	St. Ravidas Nagar	Suriyawan	100
86	St. Ravidas Nagar	Aurai	46
87	St. Ravidas Nagar	Gyanpur	65
88	Sultanpur	Dostpur	100
89	Varanasi	Harahua	75
90	Varanasi	Pindra	60

Fluoride (F) :

Small quantities of Fluoride are beneficial in reducing tooth decay, whereas excess concentration (>1.5 mg/l) is harmful causing staining of tooth enamel and Fluorosis. The value of Fluoride concentration is found to range between not detectable to 5.0 mg/l with 94.9% samples falling within the permissible limit prescribed by BIS (2012). The highest value of 5.0 mg/l, has been recorded for well water in Bichpuri block (distt. Agra). The distribution of samples in different F ranges has been given in table 12a and 12b for the year

2014-15 and 2013-14. The result shows that there is not much variation in the Fluoride concentarion.

TABLE – 12a: Frequency Distribution of Fluoride (2014 -15)

Range of Fluoride in mg/l	0-1.0	>1.0-1.5	>1.5
No. of Samples	686	27	38
%	91.3	3.6	5.1

TABLE -12b: Frequency Distribution of Fluoride (2013 -14)

Range of Fluoride in mg/l	0-1.0	>1.0-1.5	>1.5
No. of Samples	702	58	15
%	90.6	7.5	1.9

Figure-4 depicts the fluoride range in shallow ground water of U.P
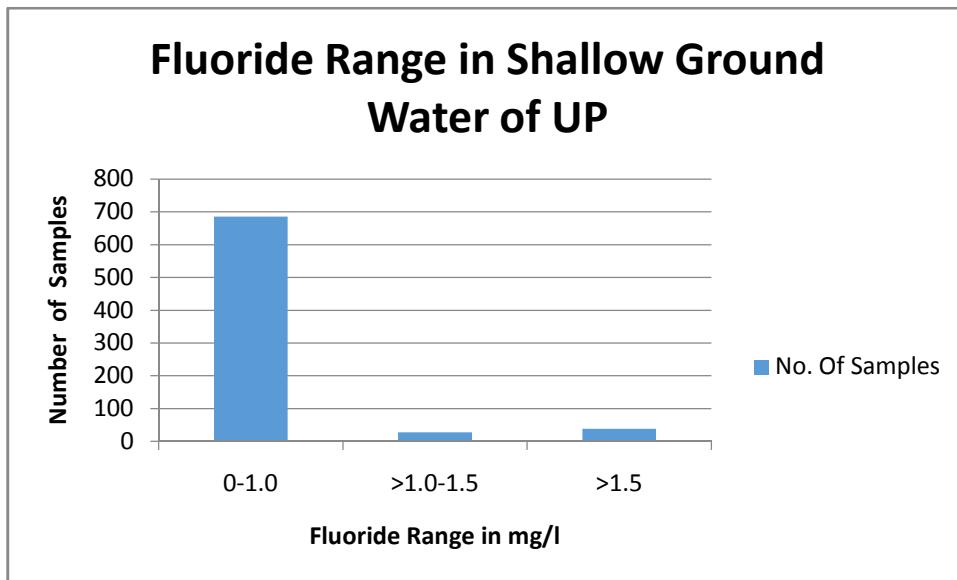
The various Blocks exhibiting high values of Fluoride concentration (>1.5 mg/l) are tabulated in following table 13 below

TABLE-13 : Blocks associated with high values of Fluoride (>1.5 mg/l)

S. No.	District	Block	F (mg/l)
1	Agra	Achhnera	1.85
2	Agra	Bichpuri	5
3	Agra	Etmadpur	2.5
4	Agra	Fatehabad	1.85
5	Allahabad	Baharia	1.8
6	Allahabad	Phulpur	2.5
7	Auraiya	Achhalda	2.7
8	Banda	Barokhar	2.90
9	Farrukhabad	Rajepur	2
10	Fatehpur	Asother	3.3
11	Fatehpur	Malwan	3.2
12	Fatehpur	Teiyani	2.9
13	Fatehpur	Vijayeepur	2.8
14	Fatehpur	Fatehpur hq	2.4
15	G B Nagar	Dankaur	2.04
16	Hathras	Sadabad	2.88
17	Jaunpur	MachhaliSahar	2.85
18	Kanpur Nagar	Kakwan	3.1
19	Kanshiram Nagar	Ganj dundwara	3.5
20	Kanshiram Nagar	Patiyali	2.5
21	Kanshiram Nagar	Soron	1.6
22	Mahrajganj	Koluhi	1.7
23	Mahoba	Charkhari	2.6
24	Mainpuri	Bewar	4
25	Mathura	Baldeo	4.85
26	Mathura	Goverdhan	2.10
27	Mathura	Chaumuhan	2.37

S. No.	District	Block	F (mg/l)
28	Mathura	Chhata	1.64
29	Pratapgarh	Pratapgarh	2.25
30	Pratapgarh	Bababakhar Nath	2.35
31	Pratapgarh	Bihar	2.85
32	Pratapgarh	Sangipur	2.5
33	Pratapgarh	Gaura	3
34	Shahjahanpur	Mirapur	3.3
35	Sonbhadra	Myopur	1.7
36	Sonbhadra	Myopur	1.7
37	Unnao	Bighapur	3.1
38	Unnao	Sumerpur	2.2

Total Hardness (T.H.) :

The concentration of total hardness has been found to vary widely. It ranges between 50 to 6255 mg/l with 96.9% of water samples falling within the permissible limit of 600 mg/l (BIS-2012) and 3.1% samples have higher level of Total Hardness concentration with the highest value 6255 mg/l recorded at Nandgaon block (distt. Mathura). The distribution of samples in different concentration ranges are given in following table 14:

TABLE -14 : Frequency Distribution of Total Hardness

Range of T.H. in mg/l	0-200	201-600	>600
No. of Samples	257	471	23
%	34.2	62.7	3.1

Figure 5- Showing the T.H. range in shallow ground water of U.P.
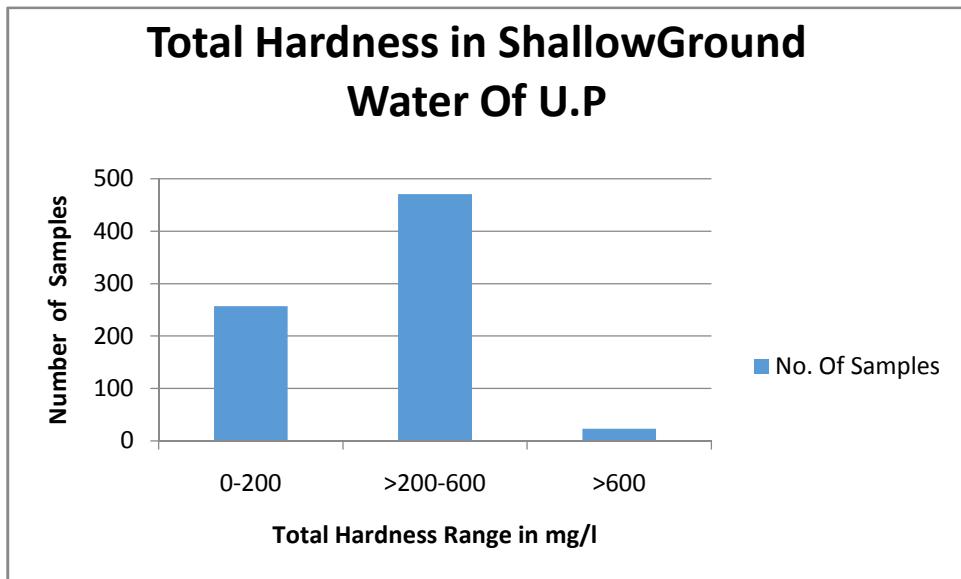
The various Blocks exhibiting high values of T.H. concentration (>600 mg/l) are tabulated in table 15 below-

TABLE-15 : Blocks exhibiting high values of total hardness (>600 mg/l)

S. No.	District	Block	T.H. (mg/l)
1	Agra	Achhnera	950
2	Agra	Akola	1700
3	Agra	Jagner	1000
4	Agra	Khandauli	700
5	Agra	Kheragarh	950
6	Aligarh	Gonda	600
7	Auraiya	Auraiya	650
8	Banda	Naraini	661
9	Chitrakoot	Pahari	600
10	Fatehpur	Bahua	631
11	Ghazipur	Saidpur	670
12	Hamirpur	Sareela	620
13	Hathras	Mursan	721
14	Jhansi	Gursarai	901

S. No.	District	Block	T.H. (mg/l)
15	Jhansi	Bamaur	1701
16	Kanpur Dehat	Amraudha	1321
17	Mahoba	Mahoba hq	751
18	Mathura	Farah	2662
19	Mathura	Chaumuhan	731
20	Mathura	Nandgaon	6255
21	Mathura	Nohjhil	1821
22	Mathura	Raya	941
23	Unnao	Gehra , Sikanderpur Karn	605

Calcium (Ca) :

The concentration of Calcium has been found varying widely. It ranges between 4.0 mg/l to 737 mg/l with 93.2% of water samples falling within the desirable limit of 75 mg/l (BIS- 2012) and 6.3% samples have higher level of calcium concentration but within maximum permissible limit of 200 mg/l. Only 0.5% water samples exhibited calcium values >200 mg/l with a maximum value of 737 mg/l recorded at Nandgaon block (distt. Mathura). The distribution of samples in different concentration ranges are given in following table 16:

TABLE-16 : Frequency Distribution of Calcium

Range of Calcium in mg/l	0-75	>75-200	>200
No. of Samples	700	47	4
%	93.2	6.3	0.5

Figure-6 depicts the Calcium range in shallow ground water of U.P.
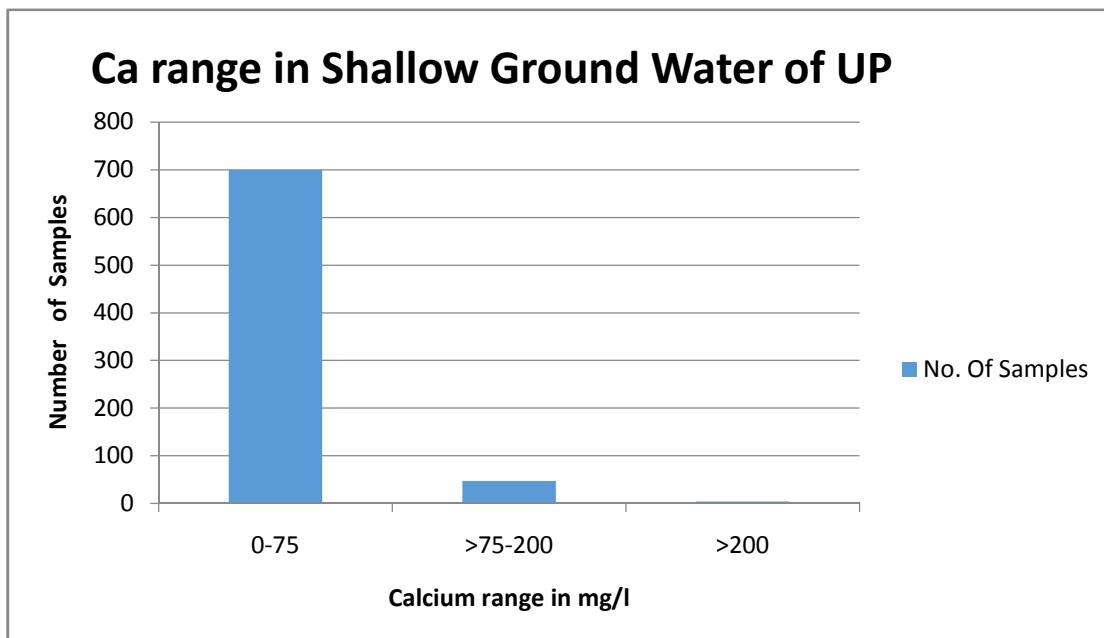
The various Blocks exhibiting high values of Calcium concentration (>200 mg/l) are tabulated in following table 17 below:

TABLE-17 : Blocks exhibiting high values of Calcium (>200 mg/l)

S. No.	District	Block	Calcium (mg/l)
1	Agra	Akola	204
2	Chitrakoot	Pahari	224
3	Mathura	Farah	417
4	Mathura	Nandgaon	737

Magnesium (Mg) :

The main sources of magnesium in ground water are (i) rain water, (ii) evaporate deposits & (iii) weathering of magnesium silicate minerals. The source of magnesium in igneous rocks are olivine, pyroxenes, amphiboles, dark coloured micas etc. Among the sedimentary rocks, the sources are chlorite, serpentine biotite, amphiboles, staurolite etc. Mg is one of the constituents responsible for hardness of water. The lower concentration of Mg is not harmful but higher conc. is laxative. The concentration of Magnesium has been found varying widely. It ranges between 2.4 mg/l to 1073 mg/l with 45.8% of water samples falling within the desirable limit of 30 mg/l (BIS- 2012) and 50.6% samples have higher level of Mg

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concentration but within maximum permissible limit of 100 mg/l. Only 3.6% water samples exhibited Mg values >100 mg/l with a maximum value of 1073 mg/l recorded at Nandgaon block (distt. Mathura). The distribution of samples in different concentration ranges are given in following table 18:

TABLE - 18: Frequency Distribution of Magnesium

Range of Magnesium in mg/l	0-30	>30-100	>100
No. of Samples	344	380	27
%	45.8	50.6	3.6

Figure-7depicts the Magnesium range in shallow ground water of U.P.
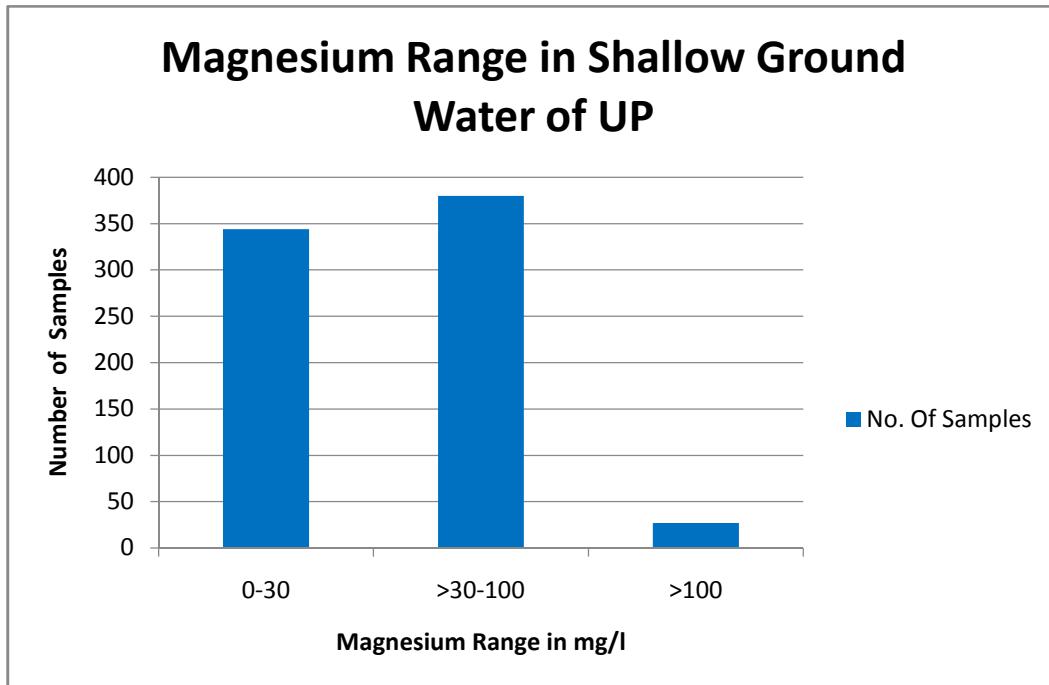
The various Blocks exhibiting high values of Magnesium concentration (>100 mg/l) are tabulated in following table 19 below

TABLE 19: Blocks exhibiting high values of Magnesium (>100 mg/l)

S. No.	District	Block	Magnesium (mg/l)
1	Agra	Achhnera	146
2	Agra	Akola	289
3	Agra	Jagner	178
4	Agra	Khandauli	131
5	Agra	Kheragarh	212
6	Agra	Agra	117
7	Aligarh	Gonda	122
8	Auraiya	Auraiya	126
9	Banda	Naraini	112
10	Ghazipur	Saidpur	118
11	Hamirpur	Maudaha	131
12	Hamirpur	Muskara	102
13	Hathras	Mursan	126
14	Hathras	Hathras	101
15	Jaunpur	Buxa	102
16	Jaunpur	Sigra Mau	102
17	Jhansi	Gursarai	151
18	Jhansi	Bamaur	316
19	Kanpur Dehat	Amraudha	204
20	Mainpuri	Sultanganj	134
21	Mathura	Farah	394
22	Mathura	Chaumuhan	134
23	Mathura	Nandgaon	1073
24	Mathura	Nohjhil	331
25	Mathura	Raya	199
26	RaeBareli	deeh	107
27	Unnao	Asoha	102

Sodium (Na) :

It is found in varying concentrations in all natural waters. It is found in evaporates and sea water in high concentration. It occurs among silicate minerals in feldspar, mica, amphiboles and pyroxenes. The main sources of sodium in ground water are (i) rain water, (ii) evaporate deposits, (iii) weathering of rock minerals present in the soil, (iv) disposal of sewage and industrial wastes containing sodium. The higher concentration of Na in drinking water is harmful especially to those suffering from cardiac, renal diseases pertaining to circulatory system of the human body.

The analysis result of shallow ground water indicate that sodium ranges between 3.9 mg/l to 5060mg/l with an average value of 101 mg/l. 82.6% of water samples exhibit sodium concentration upto 100 mg/l and 2.5% samples were found to be associated with extremely high levels of Na concentration >500 mg/l with a maximum value of 5060 mg/l recorded at Nandgaon block (distt. Mathura). The distribution of samples in different concentration ranges are given in following table 20:

TABLE-20 : Frequency Distribution of Sodium

Range of Sodium in mg/l	0-100	>100-200	>200-500	>500
No. of Samples	620	61	51	19
%	82.6	8.1	6.8	2.5

Figure-7 Showing the Sodium range in shallow ground water of U.P

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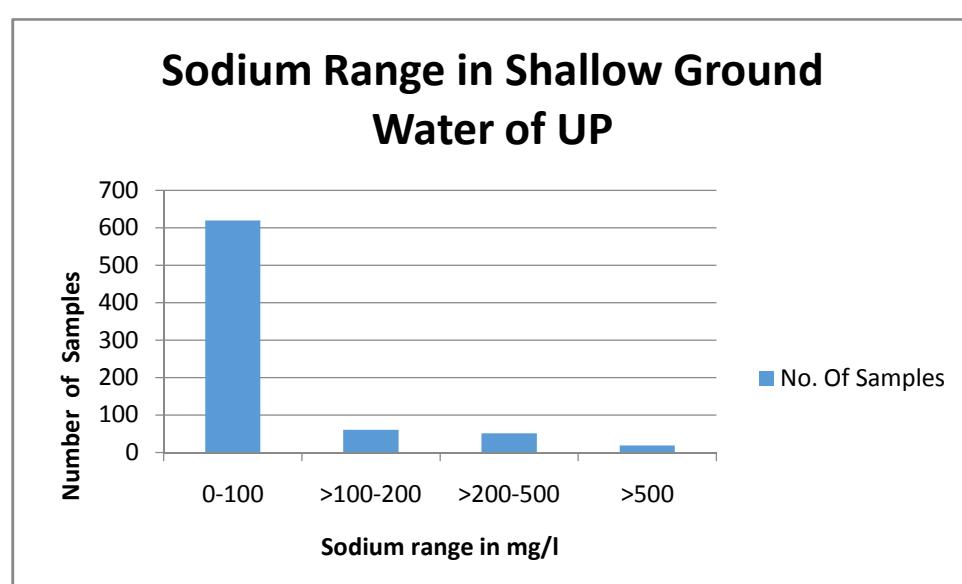
The various Blocks exhibiting high values of Sodium concentration (>500 mg/l) are tabulated in following table 21 below:

TABLE-21 : Blocks exhibiting high values of Sodium (>500 mg/l)

S. No.	District	Block	Sodium (mg/l)
1	Agra	Akola	1750
2	Agra	Bichpuri	830
3	Agra	Etmadpur	1100
4	Agra	Fatehabad	630
5	Agra	Jagner	580
6	Agra	Kheragarh	680
7	Aligarh	Gonda	768
8	Hamirpur	Maudaha	1011
9	Hamirpur	Sareela	719
10	Hathras	Mursan	608
11	Kannauj	Jalalabad	640
12	Mathura	Farah	824
13	Mathura	Goverdhan	570
14	Mathura	Chaumuhan	503
15	Mathura	Chhata	685
16	Mathura	Nandgaon	5060
17	Mathura	Nohjhil	557
18	Mathura	Raya	625
19	Unnao	Asoha	520

Potassium (K)

Although potassium is more abundant than sodium in sedimentary rocks, its concentration in natural waters is quite low due to greater resistance to weathering of potassium bearing minerals. The main sources of K in natural waters are (i) rain water, (ii) weathering of Potash silicate minerals, (iii) potash fertilizers. K enters into structure of clay and clay bearing minerals during weathering. In illite K ions are incorporated in spaces between crystal layers where these are not removable by further ion exchange reactions

(Buckman & Brady, 1960). Usually the concentration of K in water from natural source is small but high concentration of this ion if present, may be attributed to pollution.

Potassium is an essential plant nutrient. It plays an important role in maintenance of cellular organization and in keeping the protoplasm in a proper degree of hydration by stabilizing the emulsions of highly colloidal particles. K deficiency causes water imbalance. The carbohydrate metabolism is also affected by inadequate supplies of potassium.

The analysis result of shallow ground water indicate that Potassium ranges between 0.13 to 709mg/l with an average value of 8.7 mg/l. 93.4% of water samples exhibit Potassium concentration upto 10 mg/l and 2.9% samples were found to be associated with extremely high levels of K concentration >30 mg/l with a maximum value of 709mg/l recorded at Nohjhil block (distt. Mathura). The distribution of samples in different concentration ranges are given in table 22:

TABLE-22: Frequency Distribution of Potassium

Range of Potassium in mg/l	0-10	>10-20	>20-30	>30
No. of Samples	701	21	7	22
%	93.4	2.8	0.9	2.9

Figure-8 depicts the Potassium range in shallow ground water of U.P.
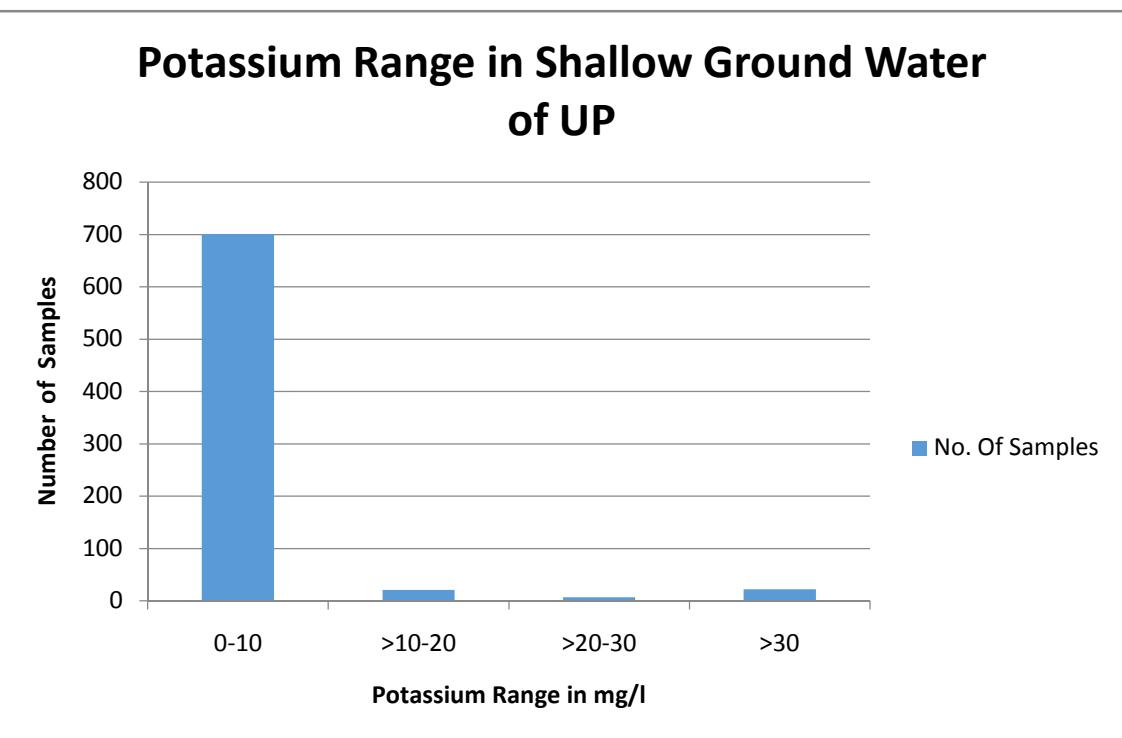
The various Blocks exhibiting high values of Potassium concentration (>30 mg/l) are given in table 23.

TABLE - 23: Blocks exhibiting high values of Potassium (>30 mg/l)

S. No.	District	Block	Potassium (mg/l)
1	Aligarh	Khair	31
2	Ambedkar Nagar	Akbarpur city	35
3	Bahraich	Fakharpur	45
4	Balrampur	Harraiya Satgharwa	60
5	Bareilly	Bhadpur	54
6	Bareilly	Ramnagar	79
7	Buland Shahar	Debai	44
8	Buland Shahar	Sikandrabad	30
9	Etah	Aliganj	45
10	Hathras	Hassain	46
11	Hathras	Hathras	42
12	Jaunpur	Rampur	34
13	Kanpur Dehat	Akbarpur	217
14	Kausambi	Kara	31
15	Kushinagar	Naurangia	61
16	Mathura	Nandgaon	702
17	Mathura	Nohjhil	709
18	Mathura	Mat	41
19	Moradabad	Thakurdwara	83
20	Shahjahanpur	Nigehi	47
21	Sultanpur	Amethi	124
22	Varanasi	Kashividya peeth	35

SUITABILITY OF GROUND WATER FOR IRRIGATION PURPOSE

The chemical quality of water is an important factor to be considered in evaluating its usefulness for irrigation purposes. Plants grown by irrigation absorb and transpire the water but leave nearly all the salts behind in the soil, where they accumulate and eventually prevent plant growth. Excessive concentrations of solute interfere with the osmotic process by which plant root membranes are able to assimilate water and nutrients. $CaCO_3$ has low solubility, it may precipitate harmlessly but the bulk of residual solutes present a disposal problem that must be solved effectively to maintain productivity of the irrigated soil. In areas where natural drainage is inadequate, the irrigation water infiltrating the root zone will cause water table to rise excessively. The crop productivity depends on the quality of the water used for irrigation. Water suitability for irrigation needs to be evaluated on the basis of hazards it can create in the soil, affecting yield & quality of crops.

In addition to problems caused by excessive concentration of dissolved solids (TDS), certain constituents in irrigation water are especially undesirable and some may be damaging even when present in small concentrations viz. Sodium Adsorption Ratio (SAR) & Residual Sodium Carbonate (RSC) (Annexure-A). The potential hazards to crop growth are salinity, sodicity, alkalinity & toxicity.

Electrical Conductivity (EC) :

The Electrical Conductivity is a reflection of the concentration of various chemical constituents in ground water and gives the overall quality of ground water for its various uses like irrigation**.** The Electrical Conductivity data reveals that the majority of the samples belong to C1, C2 class as per USSL classification given in table 24

TABLE 24: Frequency distribution of Electrical Conductivity

EC ranges in µS/cm at 25ºC	0-250 (C1)	251 – 750 (C2)	751-2250 (C3)	>2250 (C4)
No. of samples	4	450	263	34
Percentage	0.53	59.94	35.01	4.52

Total Dissolved Solids (TDS) :

The total load of dissolved solids in water is determined theoretically by taking into account the EC of that particular water body.

Thus **,**   **TDS = EC * .67 mg/l**

where EC is in µS/cm at 25º C

TDS is responsible for the mineralization of water and gives its degree of salinity. The perusal of the analysis data of U.P. shows that the Total Dissolved Solids in the area ranges from a minimum of 100 mg/l to a maximum of 22465 mg/l at Nandgaon block (distt. Mathura) with an average value of 661 mg/l. Its frequency distrinution is given in table 25.

Table-25 : Frequency Distribution of T.D.S. in NH Stations of U.P.

Salinity as per T.D.S range	No. of Samples	Percentage
Fresh, non saline (0-1000 mg/l)	678	90.3
Slightly saline (1001-3000 mg/l)	64	8.5
Moderately saline (3001-5000 mg/l)	5	0.7
Highly saline (>5000 mg/l)	4	0.5

Figure-9 depicts the T.D.S. range in shallow ground water of U.P
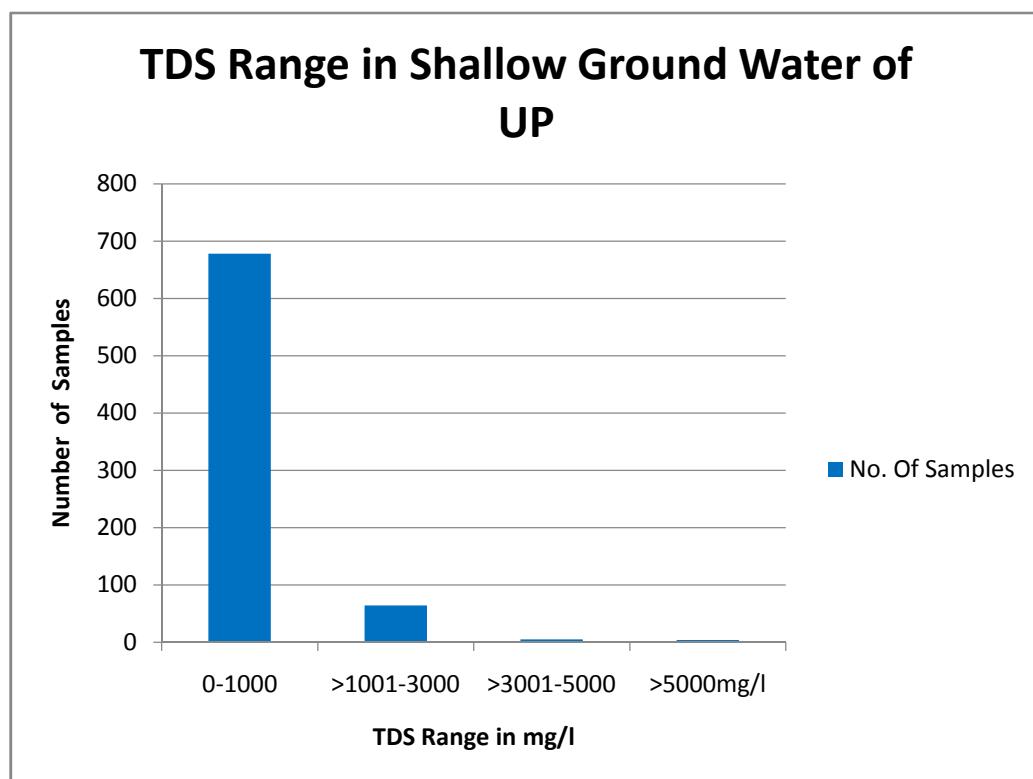
Alkalinity Hazard or Residual Sodium Carbonate (RSC) :

When carbonate or bicarbonate concentration in irrigation water is relatively higher than the alkaline earth metals, there is tendency for calcium and magnesium ions to precipitate as carbonates in the soil, thereby reducing the level of calcium and magnesium

ions and increasing the relative levels of sodium in the soil. The highly soluble sodium carbonate (black alkali) known as residual sodium carbonate (RSC) is defined as –

RSC = (HCO$_3$ + CO$_3$) – (Ca + Mg)

Where concentrations are expressed in meq/l.

The perusal of the analysed data of U.P. shows that the Residual Sodium Carbonate in the area ranges from a minimum of -119 meq /l to a maximum of 14 meq /l with an average value of 0.07 meq/l. The frequency distribution of RSC in National Hydrogarph Station of UP is given in 26

Table 26: Frequency Distribution of R.S.C. in NH Stations of U.P.

RSC range (meq/l)	No. of samples	Percentage
<1.25 (Very safe water)	550	73.2
1.25-2.5 (Marginally safe water)	118	15.7
>2.5 (Unsuitable water)	83	11.1

Figure-11 depicts the R.S.C. range in shallow ground water of U.P
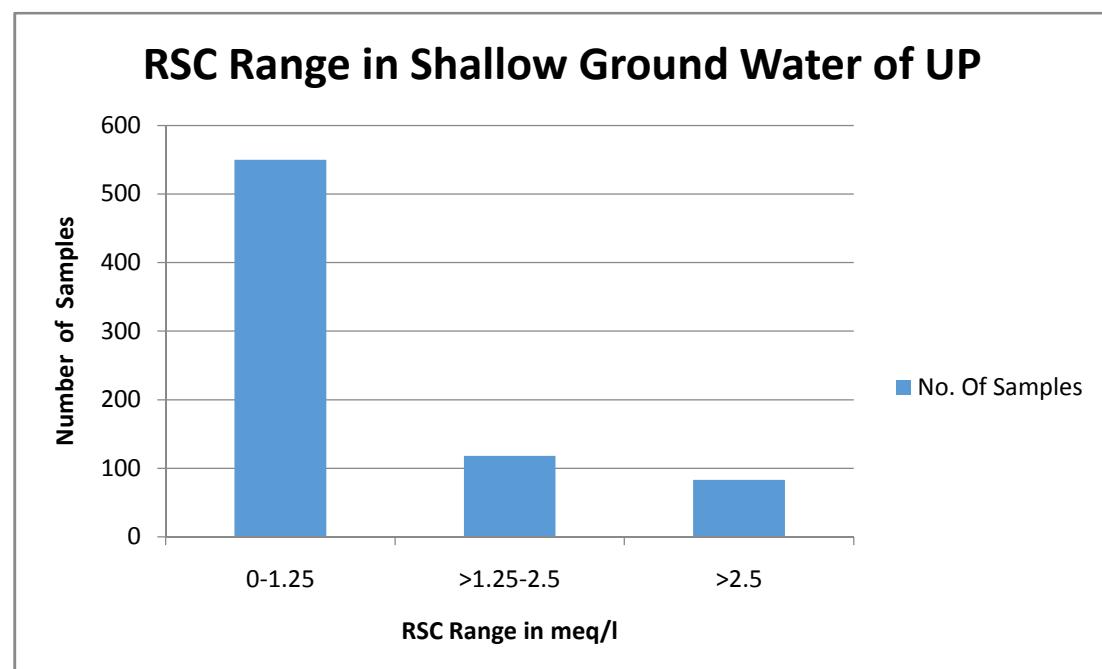
Sodium Adsorption Ratio:

Sodium Adsorption Ratio (SAR) is an estimate of the degree to which Sodium will be absorbed by soil from water. Sodium in irrigation, wasters adversely affects soil structure and permissibility by replacing Ca and Mg ions. The analysis results are shown in table 27,

suggest that the quality of water samples as per SAR is good as 96.95% wells have SAR value below 10.

$$SAR = \frac{Na^+}{\left[Ca^{+2} + Mg^{+2} / 2\right]^{1/2}}$$

Where: Na^+, Ca^{+2} and Mg^{+2} are expressed in meq/l

Table – 27: Shows the quality of Water on the basis of SAR values

S. No.	Range of SAR	No. of Samples % of Samples	% of Samples	Quality of Water
1.	<10	728	96.95%	Low Na hazard good quality
2.	10-18	17	2.26%	MediumNa hazard medium quality
3.	>18-26	5	0.66%	High Na hazard bad quality
4.	<26	1	0.13%	V. High Na hazard V. bad quality

Conclusion:

By and large, the chemical quality of ground water of phreatic zone in Uttar Pradesh is found to be suitable for drinking purposes as per available analysed chemical parameter data (as per BIS 2012). Presence of some constituents beyond the permissible limit at some locations renders the water unfit for public water supply.

Considering the parameters responsible for suitability of ground water of Uttar Pradesh it is observed that it is generally fit for irrigation purposes as per Electrical conductivity, Residual Sodium Carbonate, Sodium Adsorption Ratio except at few places where corrective measures are to be taken before agricultural usage.

S.no.	Districts	Location	May-14	Aug-14	Nov-14	Jan-15
1	AGRA	Achhanera Pz-GWD	5.25	6.03	5.82	6.08
2		Bah Pz-GWD	32.95	32.50	33.70	33.10
3		Dabar Pz-GWD	13.17	12.98	13.64	
4		Fatehabad Pz-GWD	40.87	40.87	42.06	42.50
5		Fatehpur Sikri Pz-GWD	9.07		8.71	11.00
6		Gangapur Basai	4.36	5.06	8.58	5.16
7		Jagner Pz-GWD	8.88	3.28	4.11	5.70
8		Jaitpur Kalan Pz-GWD	34.63	33.75	34.90	35.20
9		Kagraul	11.75	12.65	12.91	12.35
10		Kheragarh Pz-GWD	26.25		27.40	26.90
11		Khundauli Pz-GWD	28.66	28.81	29.75	28.88
12		Manikpura Pz-GWD	27.19	27.60	31.06	
13		Mewli (bhara)	3.16	5.22	5.16	8.64
14		Natauli	31.14			
15		Paitikhera Bagh	11.90	12.95	13.45	13.60
16		Saiyan Pz-GWD	22.32	21.98	25.74	25.10
17		Shahganj Prithvi Nath	20.60	18.08	16.90	19.45
18		Shamshabad Pz-GWD	47.51	47.35	48.86	49.00
19		Tehra	23.82	23.26		
20		Undera	0.78	0.51	1.10	1.05
21	ALIGARH	Andla	9.10	8.25	8.43	
22		Bhikampur		13.87		
23		Gonda	3.54	2.66	3.03	
24		Gopi	5.89	5.23		
25		Harduaganj	5.17	2.45	3.78	
26		Jawan	1.84	0.76	1.43	
27		Khair	8.59	8.45	13.63	
28		Palachand	5.17	4.89	5.25	
29		Safedpur	6.88	4.60	6.31	
30		Sudiyal	8.09	9.60	7.56	
31		Taquipur(new)	3.24	1.32	3.10	
32	ALLAHABAD	Aandwa	15.00	14.75		
33		Aandwa1	14.05	13.50		
34		Akodha	5.03	4.08	3.69	5.19
35		Atrampur	4.77	4.16	3.90	4.58
36		Bairi	3.24	2.98	2.84	0.94
37		Bara	2.92	1.28	1.84	2.04
38		Baraut1	1.74	0.96	1.72	1.72
39		Barokhar	10.40	10.20	7.08	7.27
40		Barwarikalaan	3.47	2.99	2.57	2.25
41		Chilla	8.30	7.65		10.26
42		Gadwa Fort	3.48	3.21		3.09
43		Gauhania	5.61	4.52		4.32
44		Ghoose	3.34	3.04	2.32	2.77
45		Holagarh	3.25	2.62	2.96	3.41
46		Iradat nagar	14.94	14.68	15.48	16.24
47		Jasra	5.26	3.26		
48		Karchhana	6.20	4.02	7.46	
49		Kasarua	13.26	14.05	14.01	14.46
50		Khaptia kheri	3.95	3.65	2.36	2.60
51		Koraon	6.54	5.38	0.73	1.48
52		Ladiri bazar	3.42	3.23	1.50	2.08
53		Lalpur	3.79	3.26		2.76

S.no.	Districts	Location	May-14	Aug-14	Nov-14	Jan-15
54		Malka Harhar	13.83	13.76	14.84	13.57
55		Mallhan	4.00	3.63	4.27	4.57
56		Mau-Aima	3.80	4.35	4.65	4.52
57		Meja	4.66	4.68	4.74	4.19
58		Meja road	10.41	8.87	11.44	13.14
59		Naini		9.87	11.94	11.03
60		Narayan crossin		3.86	3.42	
61		Naribari	2.19	1.99	0.84	1.07
62		Pasna	5.10	4.35	1.69	2.27
63		Phulpur2	2.25	1.40	1.34	1.60
64		Saraon	4.74		4.04	4.40
65		Sikandra1	9.94	9.80	10.14	10.10
66	AMBEDKAR NAGAR	Akbarpur Pz-GWD		4.35	4.55	5.10
67		Akbarpur PzII-GWD	6.25			
68		Akbarpur1	5.60	2.45	3.60	4.40
69		Alanpur	5.99	6.59	7.04	6.69
70		Baskhari Pz-GWD	4.30	2.35	2.80	3.15
71		Bhiti-New	6.45	4.95	5.50	5.85
72		Jalalpur Pz-GWD	6.75		7.44	
73		Jalalpur1	7.25	6.85	6.85	
74		Katehari	5.75	2.65	3.75	4.35
75		Kesharpur	4.67	0.49	2.25	2.74
76		Mahrua gola-New	6.78	4.45	5.05	6.11
77		Neori1	3.48		3.80	
78		Nevada	6.60	3.60	5.55	6.02
79		Ram Nagar Pz-GWD	4.75		4.90	
80		Tanda Pz-GWD	5.42	5.00	4.55	5.20
81		Tanda1		5.00		
82	AURAIYA	Achhalda	4.57	3.95	4.35	4.71
83		Airwakatra		6.76	7.11	5.91
84		Atsu	11.20	12.30	12.73	13.94
85		Bandhamau	3.02	1.40	1.92	1.79
86		Basundhara		2.80	2.08	
87		Bhaupur	6.57	7.13	7.95	9.78
88		Chapta	13.08	12.90	14.15	15.30
89		Dinamau	6.58	6.68	6.99	7.18
90		Hasulia	5.50	0.97	1.65	4.67
91		Phaphund	4.35	4.72	4.98	1.62
92		Pz GWD Ajitmal	11.39		11.40	
93		Sahar	3.38	0.64	1.11	2.76
94		Sahayal	5.14	3.66	0.59	5.52
95	AZAMGARH	Ahraula	7.62	4.58	6.65	6.89
96		Azamgarh	9.41	9.02	8.70	8.41
97		Badihari	5.88	3.25	3.02	4.77
98		Bahrapur	3.95	1.70	2.15	2.63
99		Bairadih	7.93	5.56	5.94	6.82
100		Bazidpur	4.31	1.23	1.47	2.55
101		Belwana	3.82	1.62	2.65	3.10
102		Bibipur Khatauli	4.22	4.40	4.96	5.31
103		Captainganj	4.70	3.15	2.68	3.93
104		Deogaon	2.72	0.40	1.46	1.70
105		Karsandia kalan	3.52	1.32	1.17	1.85
106		Kharihani	6.00	5.54	6.25	
107		Lohra	5.80	2.64	3.62	5.25
108		Madayan	5.71	3.86	4.46	3.54

S.no.	Districts	Location	May-14	Aug-14	Nov-14	Jan-15
109		Mukusudia	5.58	5.96	5.58	6.07
110		Nizamabad	5.50	4.98	4.90	6.26
111		Phulpur	5.64			
112		Rahul nagar	3.93	1.08	1.31	2.38
113		Sageri	5.36	5.71	5.50	5.88
114		Saraimir	5.24	3.35	3.46	4.21
115		Sidhauna	3.67	1.65	2.28	2.45
116	BAGHPAT	Pilana Pz	25.47			
117	BAHRAICH	Baisanpurwa	3.13	1.47	2.00	1.52
118		Bhakraulikapurw	3.60	1.28	1.99	2.84
119		Bhopatpur	8.04	7.42	7.28	7.45
120		Dhanauli	10.68	6.38		
121		Fakharpur	4.50		1.06	1.20
122		Gaighat	4.30	1.06	1.79	2.70
123		Jarwal1	4.50	2.91	2.60	2.70
124		Kapurpur	2.67	1.16	1.57	1.74
125		Katarniaghat	2.25	1.37	2.09	1.91
126		Maraucha	3.59	2.95	2.71	2.94
127		Motipur	11.98	8.04	9.28	9.66
128		Murthia(jalia)	14.65	10.70		
129		Nanpara	9.25	7.40	8.43	8.61
130		Phulwari	9.05	6.42		
131		Razichauraha	2.24	0.62	0.99	1.18
132		Sablapur	3.63	2.30	2.47	2.65
133		Tapri godh	4.35	2.59	3.31	3.74
134	BALLIA	Babhnauli	5.03	3.47	4.08	5.22
135		Bairia	5.15	5.26	4.90	5.35
136		Ballia	5.84	5.92	5.84	6.37
137		Chilkhar	4.33	3.69	3.12	5.23
138		Chitbargaon	3.65	1.05	1.50	2.29
139		Dalan chapra	7.35	5.87	6.41	6.80
140		Garwar	3.68	1.15	1.45	2.45
141		Haldi		9.30	6.02	6.35
142		Jahangrapur	3.82	3.13	3.21	4.15
143		Jaiprakashnagar	7.00	5.23	5.67	6.02
144		Kharsanda	5.29	4.76	1.65	2.24
145		Kureji	3.47	1.30		2.55
146		Manihar	6.75	6.95	4.93	5.32
147		Nasirabad	9.23	7.68	7.21	9.82
148		Pur	3.27	2.05	1.53	1.92
149		Rasra	8.60	7.46	8.33	8.80
150		Rewati	3.55	2.20	3.02	3.31
151		Ubhavan	3.78	3.40	3.71	4.51
152	BALRAMPUR	Balrampur1	4.90		3.64	3.95
153		Bankatwa	8.55	8.40	8.66	9.19
154		Bhainsa Baba		2.83	3.01	3.53
155		Chandanpur	4.85	2.25	2.76	2.91
156		Deoria1	4.08	1.70	2.46	2.97
157		Gainsari	2.90	0.80	1.49	1.57
158		Gangnar	4.30	1.90	2.61	2.81
159		Gaura crossing	3.70	0.82	1.41	2.10
160		Harriaya bazar	5.10	2.40	2.88	4.30
161		Jarwa	7.90	7.00	7.27	7.89
162		Pachperwa	0.50		0.45	0.30
163		Semri1	3.94	1.64	2.02	3.17
164		Sipahia village	4.25	1.55	2.06	2.35
165		Sonpur	3.65	1.06	2.31	2.84
166		Sridutganj1	4.15	0.89	1.62	1.95

S.no.	Districts	Location	May-14	Aug-14	Nov-14	Jan-15
167		Tulsipur (Devipatan)	4.40	2.75	2.85	3.18
168		Utraula	4.30	1.86	1.98	2.55
169	BANDA	Aliha	6.82	7.01		
170		Atarra	4.60	1.50	3.05	
171		Baberu1	3.37	3.64	3.93	
172		Badausa	8.81	7.89	5.14	
173		Badehan	10.85	4.87	7.14	
174		Banda	6.67	7.19	10.52	
175		Bargaini	5.45	5.66	7.85	
176		Bisanda	2.95	2.23	2.80	
177		Chilla	16.49	14.63		
178		Girwan	2.35	0.47	0.85	
179		Jamnipurwa	3.87	3.38	3.87	
180		Khhurand	1.46	0.40	1.00	
181		Mataundh	2.48	1.25		
182		Naraini	5.76	2.54	2.30	
183		Pailani	20.73	20.92	21.40	
184		Pangara	2.92	0.86	2.55	
185		Roli kalyanpur	9.88	10.23	10.65	
186		Tindwari	6.94			
187	BARABANKI	Baba ki kuti	5.34	2.24	3.12	3.44
188		Barabanki(New)		4.65	4.95	5.85
189		Bariu bagh	6.04	5.14	6.54	6.64
190		Bhanmau		2.63	3.28	5.33
191		Bhitaria	9.85		9.90	
192		Bhiwal	7.75	0.55	2.81	5.00
193		Chaubisi	4.90	1.05	2.40	4.00
194		Daryabad	4.09	0.99	2.99	3.59
195		Datauli chanda	10.50	10.50	10.23	11.10
196		Dewa	4.40	1.80	2.35	3.40
197		Fatehpur (new)	4.50	3.10	3.20	4.25
198		Gutauna	5.75	3.15	3.54	4.45
199		Kabulpur		1.60	1.40	2.80
200		Kaisarganj	9.18	8.38	7.70	8.88
201		Kalkeshwar temp		8.49	7.66	8.79
202		Kitlupur	3.76	1.70	2.23	3.16
203		Kotwa sarai	8.84	8.24		8.14
204		Masauli chaurah	6.63	3.60	4.30	5.83
205		Purwa amarsingh	3.54	1.64	2.19	2.89
206		Ramdin Purwa	6.40			
207		Ramnagar	6.57	5.77	5.67	6.37
208		Rani katra	7.02	6.47	6.27	6.82
209		Rasauli	4.82	1.47	1.72	2.82
210		Rudauli1	4.64			
211		Sarai barai	6.22	5.95	4.35	5.82
212		Sidhaur	6.56	2.76	2.51	3.76
213		Subeha	7.27	4.46	6.46	8.32
214		Sundhia mau	5.75	4.45	4.20	5.35
215		Tikaitnagar	7.85	6.35	6.52	7.45
216		Trivediganj	6.38	2.18	2.71	5.38
217	BAREILLY	Alampur Zafrabad Pz GWD	4.20	3.61		
218		Aliganj	5.96	4.84		
219		Aonla	13.37	12.26		
220		Baheri	3.00	2.41	1.80	1.87
221		Bareilly Pz GWD	10.37	10.55	10.93	11.11
222		Bareilly1	5.60	5.50	6.00	6.10
223		Bhitora Pz GWD	5.70	5.41	6.05	6.01

S.no.	Districts	Location	May-14	Aug-14	Nov-14	Jan-15
224		Bhojipura Pz GWD	3.53		3.70	3.00
225		Bhuta	4.77	5.20	5.60	5.40
226		Dhaneli purwi	5.48	5.95		6.52
227		Fatehganj East Pz GWD	5.84	5.58	6.15	6.35
228		Itaura Sukhdevpur Pz GWD	4.82	4.69	4.63	9.70
229		Izzat Nagar Pz GWD	8.53	8.41	9.00	9.29
230		Kandharpur Pz GWD	3.69	3.59	3.70	3.56
231		Manpur Pz GWD	5.84	1.50	5.85	
232		Mirganj Pz GWD	6.07		6.50	6.60
233		Nawabganj1	4.32	2.99	4.22	4.09
234		Ramnagar2	8.97	9.00	9.40	8.25
235		Shahi Pz GWD	5.00	4.79	4.30	5.36
236		Shishgarh	5.43	4.83	5.40	5.55
237	BASTI	Basti	5.30	5.77	4.74	5.38
238		Bhanpur	4.10		1.44	2.31
239		Bhikamjot	4.24			
240		Captainganj1	3.68		2.92	3.17
241		Haraiya	1.60	3.01	3.43	3.74
242		Jagdishpur	3.80	3.22	2.97	3.20
243		Kalwari	3.75	2.73	2.62	2.97
244		Kharauan jat	3.80	2.24	2.28	2.93
245		Mathauli1	3.10	3.07	2.80	2.99
246		Rudauli	3.65	1.10		
247	BIJNOR	Bijnor Pz GWD	11.44	11.33	11.57	11.50
248		Chandok	20.06	17.70	17.42	17.42
249		Kaziwala	2.45	1.64	2.86	2.47
250		Milak Beniram	4.44	3.02	3.69	2.86
251		Najibabad New	2.30	0.36	1.16	1.62
252		Ratanpur Riyaya Pz GWD	11.17	11.79	12.66	11.77
253		Sarakthal	4.48	3.92	4.25	4.58
254		Shahzadpur Or Nagal		19.60		
255		Sneh Rd.rly.stn.	9.04		8.08	8.90
256		Swaheri Khurd	9.43	9.50	9.57	9.50
257	BUDAUN	Asafpur Pz GWD	11.80	11.10	11.10	11.30
258		Badaun Pz GWD	14.63	14.41	15.40	15.53
259		Binawar Pz-GWD	7.27	5.85	7.60	7.85
260		Bisauli Pz GWD	12.50	12.88	12.75	
261		Dabthara Shyam Pz GWD	4.97		5.10	5.24
262		Daharpur Pz GWD	6.85	6.61	7.30	7.42
263		Deora Pz GWD	11.37	11.60	11.70	
264		Dhanari Railway Station Pz GWD	3.10	3.22	3.35	
265		Dudhauni	13.00	11.74		
266		Gunnaur1	4.91	2.97	5.02	5.27
267		Kachla	5.08		2.89	
268		Kolhai Pz GWD	8.85	8.05	9.90	10.27
269		Mansa Nagla Pz GWD	14.30	13.59	14.65	14.93
270		Parhali bajhara	6.37	5.01	6.60	6.52
271		Pupupur	9.95	7.48	10.29	
272		Qadar Chowk Pz GWD	6.94		7.63	7.87
273		Sarauriya Pz GWD	13.19		13.70	13.46
274		Silhari Pz GWD	5.15	5.10		
275		Ujhani Pz GWD	13.77	12.31	13.90	13.93
276		Wazirganj Pz GWD	12.95	13.47	13.55	13.73
277	BULANDSHAHR	Bara ferozpur		11.21		
278		Batli	8.58	7.82	8.64	
279		Daulatpur Khurd EW/Pz		8.96		

S.no.	Districts	Location	May-14	Aug-14	Nov-14	Jan-15
280		Gulauthi	10.51	9.27		
281		Jargawan	7.54	7.40		
282		Khurja Pz		6.48		
283		Lakhaothi Pz	5.59	3.95	7.65	5.48
284		Nandpur	5.76	4.64	5.22	5.72
285		Sikandrabad 1	10.28	10.46	10.76	10.66
286	CHANDAULI	Chahania	4.60	2.01	2.61	
287		Chakia	6.43	3.63	3.79	
288		Chandauli	2.34	0.98	1.09	
289		Dhanpur	3.57	3.69	3.33	
290		Kamalpur	6.80	7.30	6.42	
291		Marufpur xing	14.73	13.10	13.19	
292		Mugal sarai	0.83	0.15	0.68	
293		Naugarh	6.12	4.82	2.19	
294		Sakaldiha	4.60	2.28	2.39	
295	CHITRAKOOT	Bhaunri	5.60	5.30	5.81	
296		Chakrajafar	8.65	8.34	15.95	
297		Chiwalaha	15.47	14.73	12.95	
298		Deval	8.04	7.39		
299		Harison pura	13.41	13.91	16.83	
300		Jorwara	7.09	5.13	6.89	
301		Karwi	4.95	4.86	5.45	
302		Manikpur	7.53	0.99	3.35	
303		Mau	13.69	12.32	15.01	
304		Pahari buzurg	3.61	3.28	4.05	
305		Raipura	9.68	9.67	11.50	
306	DEORIA	Baitalpur	3.16	0.10	1.44	1.62
307		Deoria2	4.39	2.02	3.12	3.72
308		Desai deoria	3.14	0.81	1.93	2.01
309		Gauri bazar	4.59	1.45	2.45	2.09
310		Lar road	3.57	0.86	1.78	3.12
311		Pathardewa(Narayanpur Kothi)	5.46	2.01	2.19	
312		Rampur garh	3.32	0.63	1.53	1.88
313		Ratasia kothi	5.26	1.67	3.29	4.38
314		Rudrapur1	6.57	3.28	4.02	6.14
315		Sirsia	4.82	0.92	2.77	2.23
316	ETAH	Amanpur Pz-GWD	2.88	3.19	3.30	2.85
317		Awagarh Pz-GWD	9.38	10.19	10.90	10.10
318		Bhagwala1	4.37	4.19	4.70	4.26
319		Daryaganj	6.94	7.43	7.55	7.73
320		Dhumri1	2.08	2.33	2.25	1.85
321		Etah Pz-GWD	9.76	9.75	10.41	9.95
322		Ganjdundwara Pz-GWD	5.23	5.50	5.62	
323		Jaisukhpur	5.55	4.96	5.55	5.32
324		Jaithra Pz-GWD	7.12	7.41	6.30	7.30
325		Jalesar Pz- GWD	10.47	10.00	11.24	10.00
326		Kasganj Pz-GWD	8.09	8.42	8.62	8.46
327		Locha	9.48	10.94	10.80	10.80
328		Marahchi Pz-GWD	7.14	7.44	6.48	7.28
329		Nidhauli Pz-GWD	9.30	9.63	9.80	9.83
330		Patiali Pz-GWD	9.83	10.05	10.15	
331		Sahawar Pz-GWD	7.91	8.39	8.45	8.45
332		Sakit (new)	6.46	6.01	6.71	6.36
333		Sakit Pz-GWD	5.24	4.53	5.50	5.20
334		Shitalpur Pz-GWD	10.12	10.26	10.41	10.00
335		Sidhpura Pz-GWD	4.35	4.33	4.45	4.45
336		Soron Pz-GWD	9.69	10.55		10.50

S.no.	Districts	Location	May-14	Aug-14	Nov-14	Jan-15
337	ETAWAH	Bakewar	4.85	2.48	2.85	4.63
338		Barecha	38.50	35.10	36.05	36.25
339		Bharthana2	9.00	5.78	6.02	5.90
340		Patya Chaturpur	5.37	2.47	6.15	6.59
341		Pz GWD Bareshar	9.20		9.51	
342		Pz GWD Jaswant Nagar	8.30	6.92	13.20	16.10
343		Sabdalpur	27.25	27.65	27.68	27.65
344		Ujhayani	5.45	3.30	3.42	4.00
345	FAIZABAD	Amaniganj	6.36	3.35	4.85	4.75
346		Bakarganj	4.25	0.25	2.05	2.20
347		Chaure bazar	5.47	4.65	5.65	
348		Gosaiganj Pz-GWD	5.45		3.60	4.20
349		Gosaiganj-new	5.01	3.24	3.85	4.45
350		Khajurahat	7.33		6.15	
351		Madhopur	5.80	1.90	2.70	2.51
352		Meethagaon	4.50	5.20	5.45	5.65
353		Milkipur	3.80	3.80	4.25	4.30
354		Naokua	4.07	2.05	2.30	2.75
355		Paraspur Sakara	6.25	5.60	6.25	6.45
356		Sakhupura	4.70	1.10	2.85	3.10
357		Sarai Rasi	6.55		6.60	
358	FARRUKHABAD	Kaimganj2	6.90	5.70		
359		Kampil	9.58	9.86	10.17	10.04
360		Pz Barhpura	19.08	19.41	20.38	19.48
361		Pz Dabhau	9.34	9.61	10.40	9.92
362		Pz Fatehgarh	13.61	14.54	14.38	13.70
363		Pz GWD Shukrullahpur	9.74	9.92	10.50	10.90

S.no.	Districts	Location	May-14	Aug-14	Nov-14	Jan-15
364		Pz Moahanpur	18.60			
365		Rajepur	5.08	5.51	5.70	5.60
366	FATEHPUR	Asother	3.35	1.77	2.02	
367		Bahua	8.50	8.93	9.60	
368		Barwa	24.26	24.47	25.83	
369		Bela	3.82	2.75	3.32	
370		Bindki1	7.16	8.43	8.50	
371		Deori(choti)	19.35	20.01	20.20	
372		Fatehpur2	8.46	9.94	11.13	
373		Gazipur	8.20	9.04		
374		Jahanabad	17.35	16.95		
375		Lalauli	7.64	8.59	9.18	
376		Musfha	6.76	5.09	5.72	
377		Naubasta	11.74	10.08	4.79	
378		Ramapur	10.32	12.30	9.82	
379		Sarain bakewar	3.19	2.18	2.45	
380		Umradipur	5.54	6.24	4.40	
381	FIROZABAD	Araon Pz GWD	20.90	21.52	22.63	21.25
382		Bhura Ka Pul	12.50	9.00	11.65	
383		Eka Pz GWD	8.38	8.60	8.60	8.43
384		Jasrana Pz GWD	6.78	6.08	6.23	6.45
385		Kusiari	0.13	0.26	1.40	1.32
386		Madanpur Pz-GWD	6.70	7.22	6.50	7.00
387		Mustafabad	4.89	4.41	3.15	5.70
388		Shikohabad Pz-GWD	15.74	14.89	15.86	15.60
389	GAUTAM BUDDHA NAGAR	Chauki Pz	8.28	4.10	8.29	8.79
390		Dhankaur	15.38	16.10	15.96	15.52
391		Jewar- Pz	12.68	11.99	12.53	13.08
392		Jewar(new)		15.93	16.04	15.90
393		Sector- 62 A Pz	25.39	26.35	26.81	27.18
394		Sector-72 Pz	24.14	24.37	24.95	25.93
395		Sector-92 Pz	10.38	10.00	10.34	10.52
396	GHAZIABAD	Abdullahpur mandi-II-Pz	9.51			
397		Azad Nagar-Pz	8.11		8.30	
398		Badauli-Hapur-Pz	12.73		13.90	
399		Bhojpur-Pz	7.39		8.04	
400		Charauri-Pz	16.16			
401		Dhaulana-Pz	3.42			
402		Garhmukteshwar-Pz	13.41		13.06	
403		Hapur-Pz	14.82		16.04	
404		Modi Nagar-Pz I	6.13			
405		Modi Nagar-Pz II	5.90		6.28	
406		Muradnagar	4.43			
407		Pilkuha-Pz	6.76		6.88	
408		Upheda-Pz	7.62		8.07	
409	GHAZIPUR	Ajaipur	6.85	5.43	4.83	7.03
410		Baresar	12.27	9.53	9.36	9.74
411		Bhadaura	3.86	2.69	2.38	2.64
412		Bhole Nagar Chatti	16.12	13.70	14.48	14.72
413		Deokali		9.09		
414		Deoria	4.38	1.53	1.65	2.09
415		Dildar nagar	3.87	3.34	2.46	2.80
416		Gahmar	11.30	5.38	9.68	10.11
417		Ghazipur (Urban)	0.90	0.04	0.33	0.55
418		Karimuddinpur	7.32	8.22	7.68	8.54

S.no.	Districts	Location	May-14	Aug-14	Nov-14	Jan-15
419		Kasimabad	9.54	8.36	8.76	8.77
420		Kathgarha	5.36	4.98	4.39	4.72
421		Manihari	3.95	2.13	2.56	2.84
422		Mardah	6.15	5.97		
423		Mohammadabad2	10.84	10.25	10.38	11.85
424		Nandganj	10.13	9.09	9.90	10.25
425		Orulari	4.92	1.57	2.10	2.64
426		Pyrepur	2.91	2.74	2.24	2.61
427		Sadikapur	5.84	1.29	2.06	4.05
428		Saidpur 1	10.30	7.87	8.90	9.32
429		Tanda Bairakh	5.84	4.94	4.50	4.92
430	GONDA	Baleshwar ganj	2.80	2.30	2.30	2.63
431		Bhauriganj	4.13	2.90	3.07	3.32
432		Birpur katra	3.42	2.85	3.05	3.26
433		Chapiya	3.70		2.99	3.35
434		Colonelganj	3.95	2.95	2.77	2.91
435		Gonda (Urban)	6.70	5.90	6.42	6.72
436		Kazi Dewar	4.60	3.47	4.34	5.29
437		Mankapur	4.30	4.03	3.98	4.22
438		Parsa gondri	3.10	2.96	3.09	3.23
439		Umri begamganj	3.40	3.08	2.92	3.45
440	GORAKHPUR	Belipar		0.80	1.88	
441		Dubauli		0.97	2.11	4.31
442		Geruababu		1.41	2.75	4.11
443		Jagdishpur1	3.52	0.83	1.16	1.55
444		Kauriram	6.62	5.40	3.29	6.06
445		Urwabazar	3.42	0.63	1.52	2.84
446	HAMIRPUR	Bewar	10.00	10.78		
447		Dhagwan	4.69	4.18	4.92	
448		Jalalpur	28.67	28.86	29.27	
449		Kapsa	13.87	1.15	2.29	
450		Khanna	1.42	1.72	3.20	
451		Kharela	2.46	1.37	2.40	
452		Kunetha	7.56	7.18	7.86	
453		Kurara	6.07	4.97	8.27	
454		Lalpura	8.73	9.42	10.47	
455		Maudaha	10.03	9.09	10.65	
456		Rath	3.76	3.00	4.63	
457		Terha	15.02	15.67	16.99	
458	HARDOI	Ahrori	4.30	3.44	3.96	4.10
459		Atrauli1	7.00	7.37	7.25	7.60
460		Barganwar	4.98	6.16	6.38	6.04
461		Barkhani Pz-GWD	6.30	5.05	6.78	6.85
462		Bawan Pz-GWD	3.15			3.38
463		Bhadaial	2.90	2.32	2.60	2.50
464		Dalel nagar rly	6.08	5.43	6.43	5.96
465		Del panderwa	3.98	3.66	3.50	3.90
466		Dhobia	6.39	6.23	6.45	
467		Gangau	2.47	1.61	2.20	2.50
468		Gokul behta	4.80	5.43	5.65	5.73
469		Gopamau	6.76	7.15	7.06	7.34
470		Harpalpur PZ-GWD	4.85	5.54	5.58	5.71
471		Kachauna	4.40	3.50	4.47	4.44
472		Kothawan	5.60	5.93	5.99	5.99
473		Mallawan	10.10	10.55	10.83	10.50
474		Manjila	3.60	4.09	4.34	4.12
475		Marhia	3.79	3.68	3.61	3.74

S.no.	Districts	Location	May-14	Aug-14	Nov-14	Jan-15
476		Mohammadpur	5.62	6.23	6.28	6.47
477		Pali	4.77			
478		Pali-New		5.38		
479		Panch deora	2.90	2.11	2.63	4.17
480		Pihani	4.20	3.75	4.25	4.28
481		Quasimpur	4.41			
482		Rasulpur	2.96	2.81	2.93	3.24
483		Rasulpur-New	2.90	2.75	2.87	
484		Sahabadpur	4.48	5.82	5.83	5.85
485		Sandila	3.84	3.43	4.76	5.21
486		Shahabad Pz-GWD	5.60		6.72	6.90
487	HATHRAS	Agsauli	6.31	6.43	6.58	
488		Bhatikra		6.38		
489		Hasyan		4.00	3.33	3.27
490		Hathras jn.	16.48	16.60	16.76	16.70
491		Hathras(New)	17.84			
492		Iglas	7.88	7.15	7.37	7.81
493		Mitai		18.25		
494		Purdil Nagar	4.97	3.69	4.96	5.07
495		Rattika nagla	3.58	0.48	2.37	2.74
496		Sikandara Rao	3.94	3.48	4.31	4.29
497		Thulai	11.86	12.55	13.03	12.27
498	JALAUN	Ait2	7.85	4.16	5.51	6.26
499		Ata	5.30	7.95	16.87	8.52
500		Babina-New	1.90	0.43		0.83
501		Chhota Rampur	17.81	15.36	16.22	15.39
502		Churkhi	11.70	12.35	8.13	9.00
503		Damras	20.01	19.73	22.67	21.90
504		Dekor	4.12	4.30	4.93	5.05
505		Gohan	3.20	2.07	2.83	2.10
506		Gopalpura1	0.46	0.23		0.03
507		Hadrukh	5.33	5.75		
508		Hardoi Gujar	3.40	3.76	4.12	4.40
509		Itaura		16.92	18.90	19.17
510		Jagmanpur	29.35	28.56	31.50	
511		Jalaun	4.80	2.04	3.80	5.07
512		Kailaiya	7.05	6.88	6.52	7.05
513		Kalpi	23.25	21.68	23.87	23.39
514		Kamsaira	3.32	1.67		2.25
515		Kanasi	4.80	5.82	7.50	6.95
516		Keolari-New		3.01	3.65	-1.25
517		Khutahaund	19.65	19.85	21.80	
518		Kishora mauza	7.79	2.80	5.76	5.47
519		Konch(New)	6.70	5.34	5.82	6.10
520		Kukargaon	8.00		6.00	6.77
521		Kukartaal	25.40	23.32	21.70	21.90
522		Kusumilia	3.30	4.65	4.61	14.48
523		Madhogarh	4.64	1.34		
524		Mahewa	13.77	12.65	16.00	
525		Marora	2.62	1.39	2.41	
526		Musaria	12.36	10.81	13.86	14.55
527		Orai	1.99	2.26	2.57	2.46
528		Rajpura	2.81	2.56	2.22	1.50
529		Sirsakalar	3.60	3.05	3.92	4.26
530		Umri	3.75	3.26	3.28	3.35
531	JAUNPUR	Bandhwa	6.19	5.38		5.88
532		Barji Kalan	4.64	4.46		2.87

S.no.	Districts	Location	May-14	Aug-14	Nov-14	Jan-15
533		Chandwak	14.75	14.17	13.79	
534		Dhiuraha	8.60	5.34	7.57	
535		Honipur	7.45	7.33		7.30
536		Itaili (muftiganj)	8.07	1.67	5.76	
537		Janghai	4.65	3.70		2.94
538		Kheta sarai1	4.35	2.24	2.83	
539		Machhalishahr	2.66			0.87
540		Maharajganj2	4.34	1.19		3.05
541		Maheshganj	4.28	1.41		3.55
542		Marihun	5.65	2.77	4.05	
543		Mehreon1	3.36			
544		Mungra Badshahpur	4.04	4.78		5.89
545		Mungra Badshahpur1	4.74	5.48		
546		Narar(jamnipur)	3.14	1.66		2.52
547		Pisara	2.42	1.65	2.01	
548		Raja bazar	4.95	3.68		4.07
549		Rampur1	6.21	3.10	3.53	
550		Sarpatha	9.42	1.66	4.49	
551		Shahganj1	3.78		3.15	
552		Sigra mau	5.86	5.37		3.50
553		Tarti	9.27	5.82	8.61	
554	JHANSI	Ajneri Madhopura	3.30	1.20	2.16	2.75
555		Auldan-New	7.00	5.73	11.01	11.68
556		Babina Pz-GWD	13.12			
557		Babina1	5.02	1.41	3.80	4.32
558		Badagaon	4.90	3.25		3.75
559		Bamaur	5.00			
560		Bangra Pz	3.90			
561		Barua sagar	1.40			
562		Eairach	21.12	21.03	20.86	21.02
563		Farida	4.10	2.85	5.03	3.45
564		Ghugawa	7.60	6.66	7.49	7.59
565		Jhansi1	3.50	3.35	3.45	3.53
566		Khailara	8.05	2.06	6.29	7.63
567		Khillawari	4.42	4.14	3.27	
568		Kuangaon	12.45	4.44	4.64	4.30
569		Mauranipur Rajpaharia	5.95	6.26	5.72	6.56
570		Moth	5.58	0.06	2.09	1.88
571		Pandhawa	8.71	6.42	12.06	
572		Punch	5.65	6.13	6.07	5.11
573		Raksa	5.20	4.40	4.83	4.20
574		Rewan	5.60	7.27	7.71	8.51
575		Sakrar 1	6.14	3.80		4.42
576		Samthar	6.38	4.73	4.38	4.58
577		Semri	6.35	3.87	4.40	5.75
578	JYOTIBA PHULE NAGAR	Amroha Pz CGWB	11.95	12.26	12.47	12.19
579		Bagadpur Pz GWD	12.68	13.13	13.21	13.21
580		Daurala Pz GWD	5.85	5.95	5.93	5.99
581		Dhanaura Pz CGWB	10.46	10.25	10.70	10.40
582		Gajraula Pz CGWB	7.92	7.45	7.65	7.57
583		Gajraula Pz GWD	11.55	12.03	12.13	12.10
584		Hasanpur Pz GWD	12.93	13.20	13.63	13.35
585		Jalalpur Kalan Pz GWD	14.91	15.17	15.28	15.00
586		Jogipura Pz GWD	13.22	13.39	13.42	12.87
587		Matlabpur Pz GWD	11.50	12.57	11.74	
588	KANNAUJ	Chibramau Pz-GWD	14.81	15.16	16.00	15.45
589		Gurshaiganj1	20.28	20.38	20.80	20.45

S.no.	Districts	Location	May-14	Aug-14	Nov-14	Jan-15
590		Haseran Pz-GWD	0.76	0.51	0.80	0.72
591		Indergarh	4.88	4.87	5.30	4.15
592		Jalalabad Pz-GWD	20.40	19.39	21.70	19.60
593		Kannauj Pz-GWD	24.19	23.98	24.20	23.05
594		Kannauj1	12.10	5.54	6.00	5.62
595		Kharni Pz-GWD	1.46	2.52	2.48	2.63
596		Ram ashram	8.08	7.77	8.23	8.05
597		Tirwaganj	8.75	8.99	9.16	9.28
598	KANPUR DEHAT	Akbarpur	8.34	8.21	8.11	
599		Baghpur	3.83	3.08	3.78	4.26
600		Jaunra		4.83	5.71	6.33
601		Kadari	5.38	4.09	4.14	4.97
602		Kainjari	5.08			5.21
603		Muhammadpur	14.82	14.99	15.66	15.97
604		Pukhrayan1	15.23	6.26	6.57	7.83
605		Roura	5.77	4.95	5.07	5.83
606		Shahjahanpur	16.72			17.50
607	KANPUR NAGAR	Babupurwa Pz GWD		27.78	28.54	28.52
608		Baradari	6.48	7.30	7.52	7.92
609		Bhailasa	12.71			
610		Bhaisana	4.84	4.12	4.12	4.20
611		Bidhnu	2.69	2.50	2.27	2.56
612		Bithoor-Nganj	9.98	10.02	9.70	10.12
613		Chaubepur1	12.27	12.60	12.31	10.40
614		Chitra Degree College Pz GWD		10.62		
615		Fazalganj Pz GWD		28.42	29.35	29.61
616		Ghatampur-New		20.29	20.11	
617		Kulgaon	8.18	8.70	8.81	8.90
618		Motipura	4.63	2.18	1.77	4.15
619		Narmau(new)	6.47	6.35	6.27	6.60
620		Niwada dhamni	4.74	5.37	5.54	5.82
621		Patara	11.17	11.83	11.96	
622		Ramsari	8.24	6.29		8.03
623		Sachendi	4.70	1.85	2.06	2.66
624		Sarh	2.70	0.88	0.88	1.50
625	KAUSHAMBI	Ajrauli	6.03	5.20		
626		Kailashpuri	20.72	19.12		20.91
627		Kasia	13.88	13.17		13.89
628		Kushambhi	10.20	9.70		11.29
629		Lehdari	14.98	13.25		14.43
630		Mahgaon	15.61	14.51		16.08
631		Mandari	18.93	17.26		20.66
632		Perai	14.23	13.70		
633		Pulia Sandalpur	8.51	7.52		9.99
634		Sallahpur	15.10	15.98		16.35
635		Sarai akil	12.46	11.15		13.74
636		Usargaura	6.31	5.11		6.08
637	KHERI	Asogapur	4.17	3.06	3.18	3.20
638		Bijua	2.90	1.92	2.04	2.29
639		Chamlapur	4.05	0.97	1.42	1.54
640		Chandan chowki	4.28	2.52	3.13	3.69
641		Chapartala	5.85			
642		Chauapur	2.85	2.05	1.74	1.80
643		Dharmapur	6.30	6.30	6.91	6.40
644		Dhaurehra-1	4.30	2.10	2.75	2.96

S.no.	Districts	Location	May-14	Aug-14	Nov-14	Jan-15
645		Dudhwa f.r.h.	9.21	7.23	8.09	8.81
646		Gularia		5.33	5.77	5.27
647		Ishanagar		2.30	2.75	3.10
648		Jhandi Raj	4.00	2.47	2.70	2.95
649		Khajanchi purwa	5.84	3.27	3.53	
650		Mailani	5.85	3.70	4.10	4.50
651		Pasgawan	6.00	4.36	4.78	
652	KUSHINAGAR	Belwa	6.02	3.98	2.53	4.78
653		Bisunpura	3.76	0.98	2.78	3.14
654		Captanganj1	3.77	0.77	1.97	3.32
655		Chittauni	2.76	0.42	1.03	1.85
656		Fazil nagar	5.23	0.99	3.28	1.84
657		Kasia1	4.09	1.46	1.15	1.84
658		Khadda	3.26	0.35	1.75	
659		Mansurganj	3.12	1.11	1.56	1.45
660		Mathauli	2.71	0.11	1.59	2.09
661		Naurangia		1.18	1.52	2.90
662		Rambar	3.54	0.43	1.18	3.31
663	LALITPUR	Amjhara ghati	2.19	1.23	1.57	1.85
664		Bansi	5.60	3.29	4.08	5.43
665		Bar	6.60	4.07	7.32	6.60
666		Betna	8.29	6.17		9.20
667		Birdha Pz-GWD	14.44			
668		Digwar	4.24	1.97	5.74	4.61
669		Hisar kalan	6.30	5.93	6.01	6.24
670		Jakhaura1	3.23	2.75	3.58	2.87
671		Jakhlaun	4.88	2.39	2.90	3.20
672		Khitwans	5.10	3.42	5.34	5.15
673		Lalitpur	1.60	0.86	1.65	2.10
674		Mahroni 1	7.60	5.53	7.87	9.90
675		Piparia Vansha Pz-GWD	5.11			
676		Saidpur	7.35	4.64	5.92	6.42
677		Silawan	7.35	5.38	8.49	7.00
678		Talbhet-III	5.35	6.42	1.55	6.05
679		Talbhet-IV	5.60			
680		Talbhet-New	2.45			2.65
681		Udaipura	6.65	2.97	3.53	4.10
682	LUCKNOW	Aat Garhi Sonra	10.15	10.20	10.66	10.70
683		Arjunganj		7.79	7.71	7.79
684		Arya Nagar	19.35	19.03	19.30	19.72
685		Bakshi Ka Talab	12.15	11.55	12.33	12.40
686		Bakshi ka talab	11.88	10.38	12.33	12.40
687		Bani1	6.90	5.93	7.52	6.45
688		Behta Bazar	7.80	7.60	7.40	7.50
689		Bhatoiya	8.65	8.51	8.75	8.43
690		Bhujal Bhawan	21.88		20.47	
691		Bijnor	9.50	8.93	9.70	9.55
692		CAMPBELL ROAD	11.90			
693		Cantt	25.40	25.75	25.84	26.05
694		Fatehganj	11.00	12.60	12.34	11.90
695		Gondauli	7.00	6.70	6.70	7.40
696		Gopamau	13.90	15.10	13.70	13.90
697		Gosaiganj1	2.90	0.15	1.35	2.80
698		Gulistan Colony	34.90	35.14	35.40	35.45
699		Indira Nagar	16.40			
700		ITAUNJA	13.15	11.58	11.90	11.80

S.no.	Districts	Location	May-14	Aug-14	Nov-14	Jan-15
701		Itaunja	12.10	11.55	11.90	11.80
702		Kathwara	13.30	12.60		12.30
703		Khawas khera	4.90	0.70	1.80	2.20
704		Kumrahawan	6.35	3.70	5.55	4.65
705		Lu New Campus	15.25	15.83	16.23	16.26
706		Lu Old Campus	30.50	30.95	31.18	31.25
707		Mahanagar H Park	30.86	31.64	31.85	
708		Mal	9.62	9.55	10.09	9.75
709		MALIHABAD	11.38	10.72	11.24	10.95
710		Mohanlalganj	6.46	5.50	6.00	6.90
711		Mohanlalganj	6.30	5.80	6.00	6.90
712		Munshiganj	6.40	3.15	3.60	6.10
713		Nagram	4.41	0.41	1.81	2.51
714		New Hyderabad	27.63	28.50	28.34	28.40
715		Nigohan1	8.30	8.13	8.05	8.03
716		RAHIMABAD	5.25	5.03	5.45	5.35
717		Rakabganj Crossing	7.35	8.20	8.30	7.95
718		Rehman Khera	9.60	9.38		9.38
719		Rehta	6.66	6.64	7.45	7.50
720		River Bank Colony	25.25	25.26	25.55	24.00
721		Sarojininagar	11.80	12.02	12.18	12.20
722		Sisandi1	8.55	7.90	8.20	8.45
723		Tejkishan Khera	4.30	4.25	5.13	5.55
724		Vikasnagar	30.00	22.80	31.00	30.55
725	MAHOBA	Bela tal	3.52	2.27	4.75	
726		Charkhari	2.65	1.35	2.08	
727		Kashipura	5.74	5.83	5.83	
728		Kulpahar1	2.87	1.51	4.68	
729		Kulpahar2	7.12	6.15	7.58	
730		Pipramauf	3.60	3.11	4.56	
731		Srinagar	4.61	3.50	7.76	
732		Teiya1	4.00	3.21	3.95	
733	MAHRAJGANJ	Campierganj	3.86	0.61	1.66	
734		Ghughali	3.69	1.36	2.61	3.05
735		Koluhi	3.52	0.64	1.84	2.14
736		Kukesar	2.62	0.63	0.93	2.83
737		Maharajganj2	2.84	0.53	1.09	2.87
738		Partawal	3.98		1.66	2.10
739		Siswa bazar	5.09	2.02	2.96	4.47
740	MAINPURI	Barnahal Pz-GWD	25.51	25.67	30.80	25.40
741		BewarPz-GWD	5.63	4.98	5.54	5.50
742		Ghirore	6.59	4.75	5.45	4.47
743		Karhal Pz-GWD	3.45	3.70	3.68	3.80
744		Katra Saman		0.90	2.70	2.26
745		Kishni Pz-GWD	4.18	3.68	4.75	5.03
746		Kuraoli Pz-GWD	5.44	3.27	4.32	4.34
747		Mainpuri Pz-GWD	9.19	9.26	9.54	9.60
748		Majhaula		1.72	3.58	3.37
749		Nagal bhujia	0.97		1.55	0.87
750		Nagla rampichha		2.76		
751		Sultanganj Pz-GWD	4.20	3.20	4.05	4.32
752	MATHURA	Baldeo	5.54	3.16	3.73	4.60
753		Barsana	7.22		8.66	8.23
754		Chhata New	3.48	3.74	3.01	2.71
755		Jachoda	2.37	0.53	1.44	1.37
756		Jamunapar Thana	11.78	11.42	13.06	13.12
757		Jhinga nagla	4.53	1.21	2.81	3.05

S.no.	Districts	Location	May-14	Aug-14	Nov-14	Jan-15
758		Kariri Gaon	4.83	4.45	4.88	5.09
759		Kharab	3.92	1.55	3.11	3.29
760		Kosi	2.88	3.55	4.03	3.72
761		Mat	14.92	14.95	15.32	15.27
762		Nagra Chhitar Singh	4.23	2.54	3.29	2.72
763		Paintha (Govardhan)	2.25	1.74	2.46	2.30
764		Pirsua	10.68	12.23	11.04	10.54
765		Sahar1	3.06	0.65	2.73	2.62
766		Saunkh	4.11	2.93	4.25	4.21
767		Surir (new)	7.13	7.24	7.76	8.08
768		Vridavan		11.40		
769	MAU	Amila	4.90	4.15	4.26	4.48
770		Dhorighat	7.35	6.15	6.66	7.06
771		Ghinahapur	5.92	5.62	5.52	6.25
772		Ghosi	2.77	1.54	2.62	2.92
773		Jejawali	6.15	4.37	4.83	5.09
774		Kapaganj	5.61	6.66	6.67	7.03
775		Mau (Urban)	6.36	5.47	5.16	6.24
776		Ratanpura	6.24		5.37	6.14
777	MEERUT	Behsuma Pz 1	10.01		9.21	
778		Kaili Pz	15.89		17.58	
779		Meerut Pz	17.17		18.21	
780		Parikshat Garh Pz	6.79			
781		Sakoti Tanda Pz	7.38			
782		Timikia Kothi Pz I	7.25			
783	MIRZAPUR	Adalhat	6.98	1.32	5.77	
784		Ahraura	4.49	1.87	2.10	
785		Baghura	4.99	3.23	3.43	
786		Barhanchuan	3.44	3.87	3.37	
787		Gaipura	13.91	3.42	10.47	
788		Gopalpur	15.19	10.09	13.50	
789		Halia	7.76	5.49	6.38	
790		Kalwari	10.73	2.11		
791		Lalganj	3.70	1.29	2.03	
792		Lohangpur	6.49	2.12	4.89	
793		Marihan	12.30	9.60	10.70	
794		Mirzapur	10.81	7.40	9.50	
795		Purjagir	18.12		12.13	
796	MORADABAD	Aghwanpur 1		13.48		
797		Asmauli Pz GWD	13.65	14.26	14.55	14.38
798		Bahjoi Pz GWD	11.05	11.46	11.59	12.63
799		Chandausi-PZ	13.47	13.68	13.83	13.80
800		Chaudhapur Pz GWD	6.38			
801		Dingarpur Pz GWD	9.88	10.40	10.53	10.41
802		Fatehulla Ganj Pz GWD	12.74	13.32	13.47	13.28
803		Fauladpur	2.98	3.60	3.10	3.18
804		Gumsaini Pz GWD	12.29	12.85	13.25	12.93
805		Karanpur Pz GWD	3.87		3.55	4.12
806		Kundarki Pz GWD	10.40	11.01	11.08	11.09
807		Mahmudpurmafi Pz GWD	11.86	12.42	12.55	12.58
808		Maukather Pz GWD	12.88	12.67		12.73
809		Moradabad Pz GWD	10.17	4.80	9.95	11.10
810		Moradabad-Pz	4.98	5.26	5.44	5.45
811		Mundha pande	4.97			
812		Painapur	4.08	3.02	3.00	3.21

S.no.	Districts	Location	May-14	Aug-14	Nov-14	Jan-15
813		Ratanpur Kalan Pz GWD	12.16	12.40	12.75	12.53
814		Sahapura Sirpura-Pz	14.63	15.21	15.54	15.33
815		Sambhal Pz	15.25	15.90	15.83	15.60
816		Thakurdwara	2.33	1.11	0.47	1.27
817	MUZAFFARNAGAR	Baghra	10.49		11.20	
818		Baghra Pz	11.28		11.50	
819		Barla	4.63			
820		Chartawal	7.90		7.95	
821		Chartawal Pz	7.90		8.00	
822		Inchauli(Ratanpuri) Pz GWD	11.77			
823		Kairana Pz	21.80			
824		Kamalpur Pz	10.76			
825		Khatauli 1	3.61			
826		Khatauli PZ (GWD)	2.57			
827		Kukra-Sadar Pz	11.24		11.80	
828		Morna Pz	16.19		16.75	
829		Paldi Pz GWD	15.90			
830		Shamli PZ GWD	18.63			
831		Shikarpur Pz GWD	10.97			
832		Sukratal	4.20		3.50	
833		Un Pz	20.54		21.15	
834	PILIBHIT	Baldeopur	5.25		4.65	4.63
835		Bargad chauraha	4.18		3.18	3.18
836		Bhamora	3.75	2.58	2.61	3.16
837		Bilaspur Pz GWD	4.81	4.15	4.43	4.72
838		Bilsanda1	3.93	2.80	3.40	4.55
839		Faradia	4.10	3.26	3.95	4.65
840		Gajraula1	4.21	3.61	2.82	
841		Jahanabad1	5.35	3.68	4.15	4.62
842		Jeora kalyanpur	4.68	3.51	3.70	3.75
843		Madho Tanda Pz GWD	3.43	2.18	2.50	
844		Pilibhit Pz GWD	3.55	2.30	3.05	3.16
845		Puranpur Pz GWD	3.10	1.95	2.35	
846	PRATAPGARH	Arjunpur	8.01	11.44		
847		Ateha	5.96	5.65		
848		Bhusar	4.51	4.12		
849		Bishahia	5.49	5.15		
850		Chhaunga		7.21		
851		Delhupur	3.64	5.27		
852		Dih balri	4.20	3.88		
853		Ganaidih	8.99	8.87		
854		Gaura	4.39	7.36		
855		Gorai1	9.67	9.48		
856		Gutni	11.78	2.85		
857		Jamtoli	11.53	6.15		
858		Jathwara	4.57	4.16		
859		Kohdaur	5.79	5.64		
860		Kunda	6.99	8.30		
861		Lalganj2	3.36	3.22		
862		Lalgopalganj	4.26	3.95		
863		Maddupur	3.42	4.41		
864		Mandhata	6.19	6.01		
865		Mohanganj	9.57	11.38		
866		Nanasukul purwa	5.23	3.63		
867		Rampur batauli	5.19	4.39		

S.no.	Districts	Location	May-14	Aug-14	Nov-14	Jan-15
868		Raniganj	4.97	5.07		
869		Sangipur	7.74	7.64		
870		Sangramgarh	5.20	4.85		
871		Udai shahpur	6.68			
872		Vishvanath ganj	9.60	10.16		
873	RAE BARELI	Ahraura bhawani	5.20	1.40	2.20	3.68
874		Bhawanigarh	2.30	0.30	1.18	2.10
875		Binjh	10.55	10.75	10.55	10.50
876		Chauraha dusti	3.55	0.85	1.55	2.45
877		Cheek daadar	3.50		2.90	4.80
878		Dalmau-1	6.20	4.55	4.50	5.40
879		Dhonda ka purwa	4.58	1.30	1.77	2.98
880		Domapur	8.70	9.15	8.85	9.05
881		Fursatganj	4.22	1.12	1.87	2.67
882		Gopalipur	4.77	3.27	2.73	3.72
883		Harchandpur	5.45	3.85	4.00	4.25
884		Hunsepur	5.80	7.15	7.15	7.12
885		Jagatpur	2.55	1.10	1.70	2.00
886		Jais	2.50	1.34	1.70	2.20
887		Kachunda	3.72	1.21	1.70	2.38
888		Katghar	3.66	1.18	1.76	1.86
889		Ketanpurwa	4.25		4.94	4.05
890		Kumbhi ka purwa	4.65	1.79	2.81	3.40
891		Laxmanganjbazar	4.75	0.70	2.23	3.85
892		Matrwa	3.85	0.79	1.55	1.93
893		Mau garbi	3.65	1.45	1.70	2.75
894		Mazzamganj ngr	5.80	2.85	3.68	4.35
895		Mohanganj1	4.05	1.00	1.95	2.60
896		Nigohan1	2.22	0.52	1.09	1.77
897		Rae bareli	13.50	10.90	11.10	11.10
898		Raja Fatehpur-New	5.35	2.25	2.85	4.15
899		Rawalpur	8.43	7.38	7.96	8.28
900		Simrauta	4.35	2.75	2.90	4.05
901		Simrauta(ii)	4.56	1.55	2.41	3.56
902		Suchi		4.68	4.35	5.35
903	RAMPUR	Bilaspur Pz CGWB	9.76	10.47	5.09	5.04
904		Kemri Pz GWD	7.25	5.35	6.85	4.03
905		Pahari Dis	4.07	4.14	4.41	5.00
906		Shahabad Pz GWD	8.31	7.39	8.58	9.83
907		Tanda	4.60	4.90	5.03	
908	SAHARANPUR	Bagh colony	4.23		4.65	
909		Lundi Pz GWD	8.33			
910		Mainpura Pz GWD	14.86			
911		Mohand	8.88		8.52	
912		Nagal Pz GWD	15.63			
913		Nakur Pz GWD	16.13			
914		Nanauta Pz GWD	5.07			
915		Rampur Pz GWD	5.39			
916		Sadauli Quadim	7.13			
917		Sarsawan Pz GWD	9.97			
918		Shakhambari	4.71		2.93	
919		Siriska Pz GWD	12.27			
920		Sunderpur1	12.56		10.55	
921		Tikrol Pz GWD	7.49			
922	SANT KABIR NAGAR	Dhanghata	4.86	1.23	1.67	4.36
923		Khalilabad	4.84	0.79	2.88	3.47

S.no.	Districts	Location	May-14	Aug-14	Nov-14	Jan-15
924		Maidawal	4.82	1.70	2.96	4.10
925		Nathnagar	3.26	0.48	0.74	3.01
926		Pipra first	3.72	0.68	1.57	1.97
927	SANT RAVIDAS NAGAR	Aurai	5.80	4.06	4.06	
928		Bhadohi	8.37			
929		Koirauna	10.95	6.68	9.82	
930		Pali1	9.07	8.07	9.26	
931		Suriyawan	7.95	5.82	7.11	
932	SHAHJAHANPUR	Ali Akbarpur Newada	4.00	3.19		
933		Banda2(Pasyapur)	4.00	2.67	3.75	5.10
934		Gurgaon		7.23		7.24
935		Jalalpur2		3.05	5.10	
936		Kalan Pz GWD	1.51	1.39	1.45	3.14
937		Kasrakh Pz GWD		3.53		4.90
938		Madnapur	4.44	3.16	5.25	5.50
939		Pawayan	6.91	5.78	7.49	7.69
940		Sehramau	5.88	6.04	6.66	7.01
941		Shahjahanpur1	7.50	6.40	5.05	5.22
942		Sidhauli	5.79	5.45	5.32	5.67
943	SHRAWASTI	Badla village	5.69	4.20	4.52	5.23
944		Bhagwanpur	3.64	1.11	2.13	2.18
945		Bhujanga	3.59		2.49	2.61
946		Dikauli	3.75	0.74	1.83	2.16
947		Lachmanpur	8.47		6.37	6.58
948		Laxman nagar	5.20	3.82	4.78	4.81
949		Madora chowki	3.75	1.62	1.97	2.15
950		Pakaria	4.12	1.55	2.37	2.62
951		Parpatganj	5.87		4.45	4.93
952		Pratapur	4.18	1.98	1.62	1.86
953		Ratanpur	4.87	1.22	1.89	2.10
954		Shrawasti	3.26	0.77	1.22	1.60
955		Sirsia1	5.04	3.82	4.19	4.50
956		Tulsipur2	4.91	2.35	3.48	3.66
957	SIDDHARTHNAGAR	Badhni	3.80	1.66	1.92	2.00
958		Bansi1	4.40	2.13	1.67	1.91
959		Basti(naugarh)	2.20	3.82		1.49
960		Belwa laghunahi	3.75	2.28	1.96	2.69
961		Birdpur	3.90	2.29	2.20	2.29
962		Chilihia	4.40	1.01	1.22	1.22
963		Dumariaganj	4.46	2.31	1.87	2.03
964		Kajhai	6.80	3.92	5.73	5.76
965		Parsa	4.45	1.62	1.72	2.23
966		Ramnagara	4.90	1.20	2.18	2.85
967		Uska	5.50	2.56	2.26	4.36
968	SITAPUR	Behta	4.10	2.01	2.22	
969		Biswan2	4.50	3.84	4.06	4.21
970		Biutmani	3.14	2.12	2.34	2.48
971		Deokalia		6.04	6.07	6.20
972		Dhoudhi	4.38	1.09	2.34	3.18
973		Dularpur	6.97	6.61	6.78	
974		Hargaon	4.70	4.43	4.95	3.75
975		Jahangirabad	2.95	2.52	2.33	2.39
976		Karauna	9.89	10.11	10.13	10.36
977		Khamaria	3.74	2.23	2.55	3.28
978		Kutub nagar	8.19	8.99	8.46	7.79
979		Laharpur Pz-GWD	8.50	8.23	7.66	7.94

S.no.	Districts	Location	May-14	Aug-14	Nov-14	Jan-15
980		MachchretaPz-GWD	7.10	6.60	6.75	7.45
981		Madnapur	3.30	1.96	2.27	2.40
982		Maholi Pz-GWD	8.40	8.14	8.37	8.64
983		Manpur chowki	4.11	3.14	3.61	3.97
984		Misrikh1	5.40	4.63	5.05	5.67
985		Naimisharanya-1	9.30	9.05	9.30	
986		Narainpur		7.60		
987		Piswan	7.25	7.36	6.23	7.50
988		Purwara gosai	4.02	3.44	3.24	3.24
989		Rampur Mathura Pz-GWD	4.70	3.73	3.65	3.35
990		Sanda		3.30	3.45	3.55
991		Sidhauli2	8.55	6.57	6.56	6.65
992		Sikandrabad		8.30	8.25	8.40
993		Sitapur	9.13	9.36	9.34	9.33
994		Thawai		4.30	4.12	
995		Tikra		6.81	6.67	7.07
996	SONBHADRA	Anpara	14.40	14.03	14.50	
997		Babhani	9.65	4.63	6.59	
998		Bairpan	9.47	4.78	7.52	
999		Bhagwan nagar	8.50	3.70	7.30	
1000		Chopan	9.30	4.40	6.60	
1001		Dhrtidand1	7.95	3.20	4.97	
1002		Dudhi	5.93	2.82	4.86	
1003		Gara	14.52	9.10	9.43	
1004		Ghorawal1	5.91	2.10	2.79	
1005		Hatinala	11.25	11.55	12.00	
1006		Jarha	7.42	3.95	5.47	
1007		Kakrahi	1.88	0.70	1.50	
1008		Markundi	7.43	5.75	6.80	
1009		Muirpur	5.30	2.22	3.12	
1010		Robertsganj1	6.68	3.10	5.25	
1011		Shahganj	9.08	3.16	5.33	
1012		Son barsa	3.89	1.45	2.92	
1013	SULTANPUR	Abhiya Kalan	9.90		10.05	10.20
1014		Amethi-NEW	6.05		5.50	
1015		Babuganj		1.63	2.95	1.49
1016		Badgaon	7.05	5.72	6.25	6.65
1017		Bhadar	6.48	5.38	6.57	6.83
1018		Bhadayian Pz-GWD	11.10	11.40	11.85	11.35
1019		Bhatgaon		4.15	4.65	4.25
1020		Bhim pashim	4.75	3.70	4.50	2.65
1021		Chanda Pz-GWD	9.00			
1022		Dariyan ka purw	5.35		2.15	2.90
1023		Gauriganj-New	4.45	2.65	2.05	2.75
1024		Goriabad	2.95	0.50	1.15	1.56
1025		Haliapur-New	13.67	13.77	13.90	13.43
1026		Jagdishpur2	8.08	5.35	6.85	7.56
1027		Jaisinghpur	3.44	1.64	1.79	2.24
1028		Jamon1	5.85	3.80	4.10	4.46
1029		Janapur	4.67	1.25	2.65	
1030		Kadipur	9.15	8.65	8.70	8.77
1031		Khaluhat1	4.69	2.39	2.99	3.24
1032		Khutahna	4.73	2.45	3.35	2.44
1033		Kotra Khurd	7.15		6.00	6.10
1034		Kurebhar1	4.25	2.45	2.20	2.60
1035		Kurwar	4.46	4.61	4.71	5.01

S.no.	Districts	Location	May-14	Aug-14	Nov-14	Jan-15
1036		Kusitali	3.80	2.65	2.20	3.00
1037		Kutta	5.62	4.40	4.90	4.70
1038		Mahona	6.17	3.52	4.57	4.67
1039		Maniari aliganj	3.73	2.54	2.55	4.40
1040		Mardanpur	4.52	4.37	4.82	4.22
1041		Mundawa	4.75	4.07	3.43	4.35
1042		Munshiganj1	5.01	4.35	4.30	4.95
1043		Musafirkhana	5.36	2.40	1.95	3.45
1044		Naghipur bajhan	3.70	0.90	1.45	1.95
1045		Piparpur	6.07	6.05	5.22	5.77
1046		Pratushmanik	4.85		3.65	4.00
1047		Ramgarh1	4.02	0.80	1.60	2.80
1048		Rampur hanumang	11.78		10.85	
1049		Sagardeh	10.85	11.55	11.65	10.34
1050		Sathin	10.73	11.38	11.53	11.38
1051		Shivgarh	5.42	1.28	2.02	3.39
1052		Sikrabad (Para)	12.93	13.13	13.18	13.43
1053		Sultanpur Pz-GWD	14.80	15.10		13.65
1054		Sultanpur2	12.90	12.38	12.50	12.80
1055		Trisundi	5.20	2.47	2.60	3.65
1056	UNNAO	Auras	5.87	5.42	5.10	6.02
1057		Azmatnagar	7.50	7.41	7.40	8.01
1058		Baksar	7.19	6.32	6.94	7.12
1059		Bangarmau(new)	6.35	7.23	7.35	7.63
1060		Behta majawar		6.72	6.88	7.32
1061		Bhagwant nagar	4.64	4.90	5.02	6.78
1062		Bichhia	1.52	0.25	0.61	1.46
1063		Chakalvanshi	2.18	1.09	1.17	1.46
1064		Ganj moradabad	12.33	11.31	11.46	11.81
1065		Hasanganj1	7.35			
1066		Hasewan	3.16	3.05	3.17	3.56
1067		Kali mitti	3.16	3.35	3.40	3.51
1068		Kantha	2.95	2.80	3.08	3.70
1069		Makur	3.27	2.55	3.01	2.65
1070		Malauna	1.80	0.41	0.52	0.91
1071		Maurawan	7.17	6.86	6.49	6.27
1072		Methi Tikur	3.92	2.04	2.94	3.31
1073		Newalganj		3.35	4.45	4.58
1074		Pariyar	7.90			8.70
1075		Pinjra	6.09	5.80	5.72	6.26
1076		Purwa	4.98	0.37	3.96	4.70
1077		Safipur1	9.28	8.75	9.17	9.41

S.no.	Districts	Location	May-14	Aug-14	Nov-14	Jan-15
1078		Santakhera	3.12	3.36	3.30	3.75
1079		Sumerpur	8.59	8.53	8.63	9.51
1080		Thaura	2.16		1.06	2.05
1081		Tonda	2.84	0.53	0.90	1.13
1082		Unchagaon kila		0.99	3.71	1.59
1083		Unchagaon1	5.23	3.38	1.00	
1084		Unnao	8.47	8.75	7.75	8.67
1085	VARANASI	Anai	4.23	1.53	2.57	
1086		Babatpur	12.65		12.45	
1087		Babatpur chaura		7.50		
1088		Barwaon	14.20	10.31	11.95	
1089		Chobepur	10.60	8.15	6.70	
1090		Cholapur1	8.72	1.60	6.75	
1091		Jikhan(narsara)	12.34	11.90	11.10	
1092		Kakrahwan	18.39	15.44	17.03	
1093		Rajatalab1	15.05	14.90	14.10	
1094		Rustampur	14.88	9.48	11.35	
1095		Tahipur	4.86	2.90	2.45	
1096		Thatra	19.29	14.80	15.50	
1097		Varanasi	10.60	10.20	10.10	

Trend of Water Level from 2005 to 2014 of Ground water Monitoring Wells in Uttar Pradesh, 2014 -15

District	Sl no.	Location	Pre-Monsoon		Post-Monsoon	
			Rise	Fall	Rise	Fall
AGRA	1	Gangapur Basai	0.5963		0.7082	
	2	Kagraul		0.0519		0.0457
	3	Mewli (bhara)	0.085		0.3231	
	4	Natauli		0.4857		0.487
	5	Paitikhera Bagh		0.1772		0.3806
	6	Shahganj Prithvi Nath	0.31		0.3703	
	7	Tehra		0.8276		0.7439
ALIGARH	1	Andla	0.2712		0.1446	
	2	Bhikampur		0.0095		0.0355
	3	Gonda	0.0392			0.0074
	4	Gopi	0.0816		0.0369	
	5	Gorai		0.5653		0.4697
	6	Hardanaganj		0.1054		0.2378
	7	Jawan	0.012		0.0014	
	8	Khair	0.0256			0.3446
	9	Palachand	0.0403		0.0341	
	10	Safedpur		0.1308		0.1598
	11	Sudiyal	0.2844		0.1975	
	12	Taquipur(new)		0.0852		0.0429
ALLAHABAD	1	Aandwa	0.2643		0.8473	
	2	Akodha		0.0525		0.1083
	3	Allahabad		0.1892	0.2651	
	4	Atrampur		0.029		0.0212
	5	Bairi		0.1505		0.0576
	6	Bara	0.0548			0.0276
	7	Baraut1	0.5917		0.4686	
	8	Barokhar			0.3027	
	9	Barwarikalaan	0.0882			0.0297
	10	Bikapur		0.1701		
	11	Ghoose			0.8432	
	12	Handia		0.0956	0.0587	
	13	Holagarh		0.0662		0.1476
	14	Imamganj		0.2005		0.6
	15	Iradat nagar	0.1616		0.2285	
	16	Jasra	0.6009		0.5432	
	17	Karchhana	0.155		0.3317	
	18	Kasarua		0.0274	0.6155	
	19	Khaptia kheri	0.1156		0.1059	
	20	Koraon	0.2144			0.0938
	21	Ladiri bazar	0.2046		0.0593	
	22	Malka Harhar		0.3652		0.4174
	23	Mallhan	0.1146		0.2406	
	24	Mau-Aima		0.1112	0.0366	
	25	Meja	0.1268		0.0305	
	26	Meja road	0.079			0.2683

District	Sl no.	Location	Pre-Monsoon		Post-Monsoon	
			Rise	Fall	Rise	Fall
	28	Naribari		0.024	0.015	
	29	Pasna	0.3505		0.152	
	30	Phulpur2	0.1614		0.1857	
	31	Rampur tulapur		0.4625		0.4927
	32	Saraon	0.0181		0.0759	
	33	Seorajpur				0.1248
	34	Sikandra1		0.2189		0.0185
AMBEDKAR NAGAR	1	Akbarpur1	0.0057		0.0743	
	2	Alanpur	0.032			0.0508
	3	Bhiti		0.1431		0.1224
	4	Jalalpur1	0.144		0.1729	
	5	Kesharpur		0.0898		0.0038
	6	Mahrua gola-New				0.0012
AURAIYA	1	Achhalda	0.0258		0.0056	
	2	Airwakatra		0.2079		0.0814
	3	Auraiya		0.1338	0.1343	
	4	Bandhamau	0.1546		0.1846	
	5	Basundhara		0.015	0.0115	
	6	Dinamau	0.0473			0.0065
	7	Hasulia		0.1532	0.0341	
	8	Phaphund	0.1313			0.1109
	9	Sahar	0.0286		0.0729	
	10	Sahayal	0.1787		0.4242	
AZAMGARH	1	Ahraula		0.0806		0.0782
	2	Azamgarh		0.0491		0.2137
	3	Badihari	0.006		0.1611	
	4	Bahrapur		0.0062		0.0061
	5	Bairadih	0.0126			0.1098
	6	Bazidpur		0.0868	0.0833	
	7	Belwana	0.2701		0.1464	
	8	Bibipur Khatauli		0.0508		0.1555
	9	Captainganj		0.0134	0.0723	
	10	Deogaon		0.0746		0.029
	11	Karsandia kalan	0.0123		0.1014	
	12	Langerpur		0.0598	0.1061	
	13	Lohra		0.1423		0.2575
	14	Madayan		0.0776		0.1898
	15	Mukusudia	0.1343			0.0498
	16	Nizamabad	0.1524			0.072
	17	Phulpur	0.0056		0.0072	
	18	Rahul nagar		0.064	0.1427	
	19	Sageri		0.0585		0.142
	20	Saraimir		0.0676		0.0495
	21	Sidhauna		0.0591		0.0314
BAGHPAT	1	Pilana Pz		1.1702		0.4556
BAHRAICH	1	Baisanpurwa		0.0484		0.0197
	2	Bhakraulikapurw		0.0315	0.0363	
	3	Bhopatpur	0.1575			0.1023
	4	Dhanauli		0.1113		0.0278
	5	Fakharpur		0.1636	0.0078	

District	Sl no.	Location	Pre-Monsoon		Post-Monsoon	
			Rise	Fall	Rise	Fall
	7	Kapurpur		0.0772		0.0398
	8	Katarniaghat		0.0467		0.0778
	9	Maraucha		0.0284		0.0174
	10	Motipur		0.022	0.008	
	11	Murthia(jalia)		0.2139		0.0092
	12	Nanpara		0.0045		0.0692
	13	Phulwari		0.0038	0.0317	
	14	Razichauraha	0.0059			0.0403
	15	Sablapur		0.0423		0.0806
	16	Tapri godh		0.0426		0.0668
BALLIA	1	Babhnauli	0.0412			0.0268
	2	Bairia	0.0281		0.0072	
	3	Ballia		0.4365		0.3206
	4	Bansdih		0.2042		
	5	Chilkhar	0.0211			0.006
	6	Chitbargaon		0.1238		0.0342
	7	Dalan chapra	0.1684		0.018	
	8	Garwar	0.0505		0.0345	
	9	Haldi		0.0112	0.0925	
	10	Jahangrapur	0.0696		0.1311	
	11	Jaiprakashnagar	0.0147		0.0134	
	12	Kharsanda	0.1646		0.0907	
	13	Kureji	0.0907			0.2823
	14	Manihar	0.0296		0.0586	
	15	Narla	0.1774		0.1081	
	16	Nasirabad	0.0014		0.0385	
	17	Pur		0.0365	0.0074	
	18	Rasra		0.2154		0.4454
	19	Sikandarpur2		0.0584		
	20	Ubhavan	0.1517			0.0289
BALRAMPUR	1	Bank bhawanipur	0.053			
	2	Bankatwa	0.2514			0.0034
	3	Chandanpur		0.0234		0.0197
	4	Deoria1		0.0035		0.0143
	5	Gainsari	0.0588			0.034
	6	Gangnar	0.0205			0.0327
	7	Gaura crossing	0.0033			0.0463
	8	Harriaya bazar		0.0005		0.1028
	9	Jarwa	0.5011		0.4183	
	10	Pachperwa	0.1887		0.081	
	11	Semri1		0.0435		0.0693
	12	Sipahia village		0.0203		0.018
	13	Sonpur	0.0361			0.0072
	14	Sridutganj1		0.0233		0.0088
	15	Utraula	0.0032			0.0068
BANDA	1	Aliha		0.1361		
	2	Atarra		0.0015	0.01	
	3	Baberu1		0.057	0.1954	
	4	Badausa	0.5141		0.6715	
	5	Badehan		1.0213		0.2797

District	Sl no.	Location	Pre-Monsoon		Post-Monsoon	
			Rise	**Fall**	**Rise**	**Fall**
	7	Bargaini		0.2184		0.3561
	8	Chilla			0.2026	
	9	Girwan		0.006	0.0442	
	10	Jamnipurwa	0.099		0.0472	
	11	Khhurand	0.4077		0.1565	
	12	Mataundh	0.0593		0.0389	
	13	Naraini	0.2454		0.0353	
	14	Pailani	0.2114		0.1478	
	15	Pangara	0.2665		0.104	
	16	Roli kalyanpur	0.3633		0.0758	
	17	Sukulkuan		0.8234		0.7396
	18	Tindwari			0.2678	
BARABANKI	1	Baba ki kuti		0.2057		0.1722
	2	Badosarai	0.0242		0.0625	
	3	Barabanki(New)		0.1128	0.1936	
	4	Bariu bagh		0.0984		0.0447
	5	Bhanmau		0.1126		0.0633
	6	Bhiwal		0.2486		0.0246
	7	Chaubisi		0.1495		0.0198
	8	Daryabad		0.015		0.1409
	9	Datauli chanda		0.1879		0.1053
	10	Dewa		0.1585		0.0249
	11	Fatehpur (new)		0.0426		0.0646
	12	Gutauna		0.0524	0.1105	
	13	Kabulpur			0.0001	
	14	Kaisarganj	0.0048		0.2566	
	15	Kalkeshwar temp		0.0753	0.0903	
	16	Kitlupur	0.0061		0.0205	
	17	Kotwa sarai	0.0032		0.0534	
	18	Kursi		0.0836		
	19	Masauli chaurah		0.0799		0.0437
	20	Purwa amarsingh		0.0446		0.0252
	21	Ramnagar		0.0101		0.0138
	22	Ramsanehighat	0.1219		0.2244	
	23	Rani katra		0.0306		0.0338
	24	Rasauli		0.084	0.0027	
	25	Rudauli1	0.113			0.1023
	26	Sarai barai		0.244		0.1828
	27	Sidhaur		0.1168	0.1655	
	28	Subeha	0.0553		0.0496	
	29	Sundhia mau		0.0516		0.0649
	30	Tikaitnagar		0.0292		0.0314
	31	Trivediganj		0.2951		0.0726
BAREILLY	1	Aliganj		0.0105	0.0619	
	2	Aonla		0.2599		0.3708
	3	Bareilly1		0.0569	0.006	
	4	Bhuta		0.0558		0.0956
	5	Dhaneli purwi	0.0093			0.0404
	6	Faridpur1	0.0012			
	7	Kanman		0.5581		

District	Sl no.	Location	Pre-Monsoon		Post-Monsoon	
			Rise	Fall	Rise	Fall
	8	Nawabganj1		0.071		0.0885
	9	Ramnagar1		0.1859		0.0778
	10	Shishgarh		0.029		0.036
BASTI	1	Basti	0.1492		0.0907	
	2	Bhanpur	0.2113		0.1013	
	3	Bhikamjot		0.0861		0.0452
	4	Captainganj1	0.024		0.0164	
	5	Haraiya	0.2039		0.0435	
	6	Jagdishpur	0.0409			0.0471
	7	Kalwari	0.0284			0.0037
	8	Kharauan jat		0.0206	0.0102	
	9	Mathauli1	0.0552			0.0006
	10	Rudauli	0.0364			0.0583
BIJNOR	1	Chandok	0.0243			0.0974
	2	Dhampur	0.0292		0.1162	
	3	Kaziwala	0.0188			0.0602
	4	Milak Beniram	0.0296			0.0451
	5	Najibabad New	0.487		0.2182	
	6	Puraini	0.2271		0.2005	
	7	Sarakthal	0.0271			0.0431
	8	Shahzadpur Or Nagal				0.5289
	9	Sneh Rd.rly.stn.	0.174		0.0732	
	10	Swaheri Khurd	0.465		0.044	
BUDAUN	1	Asrasi		0.3768		
	2	Dudhauni		0.3095		
	3	Gunnaur1	0.0281			0.0868
	4	Kachla		0.122		0.0174
	5	Parhali bajhara	0.001			0.1512
	6	Pupupur		0.165		0.4537
BULANDSHAHR	1	Bara ferozpur		0.4078		0.4681
	2	Batli		0.4152		0.4377
	3	Gulauthi		0.2089		0.2433
	4	Jargawan		0.1071		0.2371
	5	Lakhaothi Pz				0.6485
	6	Nandpur		0.0274		0.0215
	7	Sikandrabad 1		0.0586		0.0801
	8	Ugrasan nagla		0.2082		0.1595
CHANDAULI	1	Baburi		0.135	0.2833	
	2	Chahania	0.3439		0.2688	
	3	Chakia	0.1769		0.0354	
	4	Chandauli	0.0143			0.0444
	5	Dhanpur	0.0741			0.0362
	6	Kamalpur		0.0734		0.1239
	7	Marufpur xing		0.2856		0.2521
	8	Mugal sarai	0.2872		0.0941	
	9	Sakaldiha		0.0681	0.0049	
CHITRAKOOT	1	Bhaunri		0.0082	0.4433	
	2	Chakrajafar		0.0673		0.4123
	3	Chiwalaha		0.0055	0.1246	
	4	Deval	0.4023		0.4664	

District	Sl no.	Location	Pre-Monsoon		Post-Monsoon	
			Rise	Fall	Rise	Fall
	5	Harison pura		0.0164	0.1314	
	6	Jorwara		0.1378		0.0512
	7	Karwi	0.0645		0.1686	
	8	Manikpur	0.4659		0.5606	
	9	Mau		0.2978		0.1514
	10	Pausaunja		0.2746		
	11	Prasidhpur		0.3647		
	12	Raipura		0.0191	0.0839	
DEORIA	1	Baitalpur	0.1825		0.1676	
	2	Deoria2	0.0243		0.0081	
	3	Desai deoria	0.0353		0.0064	
	4	Gauri bazar	0.0007			0.0063
	5	Lar road	0.0906		0.0511	
	6	Pathardewa(Narayanpur Kothi)		0.0154		0.0449
	7	Rampur garh	0.0402		0.0781	
	8	Ratasia kothi	0.1137			0.0614
	9	Rudrapur1	0.1573			0.1245
	10	Sirsia		0.0784	0.0444	
ETAH	1	Awagarh1			0.5184	
	2	Bhagwala1		0.0014		0.097
	3	Daryaganj	0.0813			0.1097
	4	Jaisukhpur	0.0097			0.0645
	5	Locha	0.2357			0.073
	6	Sakit (new)		0.0465		0.0633
ETAWAH	1	Bahadurpur	0.0229		0.0142	
	2	Bakewar	0.1026		0.0672	
	3	Barecha		0.071	0.1548	
	4	Bharthana2		0.4283		0.213
FAIZABAD	1	Bakarganj		0.0289		0.0139
	2	Chaure bazar	0.072			0.1874
	3	Meethagaon		0.0665	0.0306	
	4	Milkipur	0.069		0.0617	
	5	Naokua		0.0823		0.0414
	6	Sakhupura		0.1177		0.1056
FARRUKHABAD	1	Kaimganj2	0.0161			0.1931
	2	Kampil		0.0243		0.0298
	3	Rajepur	0.0557			0.0617
FATEHPUR	1	Asother	0.2047		0.2498	
	2	Bahua	0.1894		0.2355	
	3	Barwa	0.3332			0.0843
	4	Bela	0.0735		0.1987	
	5	Bindki1		0.1226	0.061	
	6	Deori(choti)		0.3227		0.1451
	7	Fatehpur2		0.2842		0.2903
	8	Jahanabad				0.145
	9	Kishanpur		0.8153		
	10	Lalauli	0.0921		0.3736	
	11	Musfha	1.1381		0.4007	
	12	Naubasta	0.0642		0.429	

District	Sl no.	Location	Pre-Monsoon		Post-Monsoon	
			Rise	Fall	Rise	Fall
	14	Sarain bakewar	0.0577		0.0576	
	15	Umradipur	0.2109		0.4277	
FIROZABAD	1	Bhura Ka Pul		0.5916		0.6026
	2	Kusiari	0.0856		0.0334	
	3	Mustafabad	0.0285		0.1206	
GAUTAM BUDDHA NAGAR	1	Dhankaur	0.207		0.0249	
	2	Jewar(new)		0.2492		0.2886
	3	Sector-72 Pz		1.7124		1.8281
	4	Sector-92 Pz		0.6624		0.5143
GHAZIABAD	1	Abdullahpur mandi-II-Pz		0.1595		0.144
	2	Azad Nagar-Pz		0.2796		0.255
	3	Badauli-Hapur-Pz		0.3738		0.2165
	4	Bhojpur-Pz		0.047		0.0938
	5	Charauri-Pz		0.3977		0.5129
	6	Dhaulana-Pz		0.0334	0.0983	
	7	Garhmukteshwar		0.3859		
	8	Garhmukteshwar-Pz	0.0164			0.0582
	9	Hafizpur-Hapur Pz				0.5815
	10	Hapur-Pz		0.3096		0.4143
	11	Modi Nagar-Pz I		0.056		0.1443
	12	Modi Nagar-Pz II		0.0653		0.2478
	13	Muradnagar	0.1572		0.2777	
	14	Neknampur Nanai -Pz		0.2884		
	15	Pilkuha-Pz		0.0623		0.0621
	16	Raoli	0.1744			
	17	Upheda-Pz		0.0489		0.1169
GHAZIPUR	1	Ajaipur		0.2101		0.4507
	2	Baresar	0.0931		0.1913	
	3	Bhadaura		0.0178	0.0129	
	4	Birnon		0.2478	0.1996	
	5	Deoria		0.0344		0.0406
	6	Dildar nagar	0.0148		0.0269	
	7	Gahmar	0.0447		0.0558	
	8	Kabirpur		0.1088	0.7782	
	9	Karimuddinpur	0.1574			0.1236
	10	Kasimabad		0.325		0.6437
	11	Kathgarha		0.0404		0.1718
	12	Mainpur	0.2316			
	13	Manihari		0.1406	0.044	
	14	Mohammadabad2		0.0639		0.1351
	15	Nandganj		0.2645		0.5345
	16	Orulari		0.002		0.0302
	17	Pyrepur		0.0552		0.1587
	18	Reotipur		0.4734		
	19	Sadikapur	0.1058			0.0235
	20	Saidpur				0.5372
	21	Sidhagarghat		0.1619		
GONDA	1	Baleshwar ganj		0.0033		0.0469
	2	Bhauriganj	0.0091		0.0481	

District	Sl no.	Location	Pre-Monsoon		Post-Monsoon	
			Rise	**Fall**	**Rise**	**Fall**
	4	Chapiya	0.1152		0.0533	
	5	Colonelganj		0.0463	0.0128	
	6	Mankapur	0.0805		0.0448	
	7	Parsa gondri	0.0434		0.0478	
	8	Subhagpur	0.0617		0.1169	
	9	Umri begamganj		0.0553		0.0384
GORAKHPUR	1	Jagdishpur1	0.1447		0.0939	
	2	Kauriram	0.0513		0.0057	
	3	Khajani	0.1966			
	4	Ramgarh			0.0934	
	5	Rampur		0.0598		0.0473
	6	Urwabazar	0.1365			0.0469
HAMIRPUR	1	Bewar		0.348		0.4042
	2	Dhagwan	1.8056		1.0443	
	3	Gohand		0.3295		
	4	Jalalpur		2.0794		2.5934
	5	Kapsa	0.919		0.7565	
	6	Khanna	0.2815		0.2865	
	7	Kharela	0.1694			
	8	Kunetha	0.6484		0.3237	
	9	Kurara		0.0459	0.0559	
	10	Lalpura		0.0048	0.1001	
	11	Maudaha		0.4821		0.5675
	12	Muskara		0.3619		
	13	Rath	0.3844		0.2391	
	14	Rihunta		0.238		
	15	Terha	0.0121			0.125
HARDOI	1	Atrauli1	0.0546		0.0014	
	2	Barganwar		0.0731		0.2244
	3	Bhadaial		0.0612		0.029
	4	Dalel nagar rly		0.108		0.2072
	5	Del panderwa		0.1234		0.1305
	6	Dhobia	0.0374			0.0011
	7	Gangau		0.1814		0.12
	8	Gokul behta		0.0887		0.1076
	9	Gopamau		0.0263		0.1349
	10	Jayantnagar		0.2374		
	11	Kachauna		0.0386		0.0935
	12	Mallawan	0.2647		0.1982	
	13	Manjila		0.0221		0.0712
	14	Marhia		0.1812		0.1789
	15	Mohammadpur		0.0771		0.2619
	16	Pali		0.0018	0.0402	
	17	Panch deora	0.01			0.0117
	18	Pihani		0.0478		0.1992
	19	Quasimpur		0.057	0.0459	
	20	Rasulpur		0.196		0.1257
	21	Sadarpur				0.1909
	22	Sahabadpur		0.1289		0.1833

District	Sl no.	Location	Pre-Monsoon		Post-Monsoon	
			Rise	Fall	Rise	Fall
	24	Shahabad2	0.0162		0.1451	
HATHRAS	1	Agsauli		0.3626		0.5856
	2	Bhatikra	0.0217			0.1067
	3	Hasyan			0.1979	
	4	Hathras jn.		0.3933		0.3631
	5	Hathras(New)		0.476		0.5479
	6	Iglas		0.3173		0.2089
	7	Mitai		0.3903		0.5129
	8	Mursan		0.711		0.7943
	9	Purdil Nagar		0.0025		0.0509
	10	Rattika nagla		0.0129		0.0286
	11	Sathini	0.1504			0.0555
	12	Thulai	0.0102		0.2416	
JALAUN	1	Ata	0.1677			0.1853
	2	Babina-New	0.0778		0.1355	
	3	Chhota Rampur	0.1436			
	4	Churkhi	0.364		0.2308	
	5	Damras	0.0954			0.1811
	6	Dekor	0.2742		0.4115	
	7	Gohan	0.0996		0.0972	
	8	Gopalpura1	0.9107		1.5974	
	9	Hadrukh		0.1153		0.0048
	10	Itaura		0.1547		0.242
	11	Jagmanpur		0.0797		0.1001
	12	Jalaun	0.0766		0.0983	
	13	Kailaiya		0.0397		0.0407
	14	Kalpi		0.3805		0.2621
	15	Kanasi	0.2291		0.0953	
	16	Keolari-New	0.764		0.4568	
	17	Kishora mauza	0.2283		0.2607	
	18	Konch(New)	0.5013		0.119	
	19	Mahewa		0.131		0.171
	20	Musaria		0.7825		0.7374
	21	Orai		0.0244		0.0482
	22	Rajpura		0.0356		0.0067
JAUNPUR	1	Badlapur		0.4915		0.7432
	2	Bandhwa	0.018		0.1467	
	3	Barai par			0.5947	
	4	Belwal				0.2011
	5	Chandwak		0.1874		0.1509
	6	Dhiuraha	0.2111		0.2085	
	7	Dinamau		0.5919		0.581
	8	Hasanpur			0.2469	
	9	Honipur	0.1949		0.3059	
	10	Itaili (muftiganj)		0.3143	0.1219	
	11	Janghai	0.06		0.1999	
	12	Kheta sarai1	0.1341		0.1853	
	13	Machhalishahr		0.0467	0.0319	
	14	Maharajganj2	0.2057		0.3473	
	15	Maheshganj	0.0892			

District	Sl no.	Location	Pre-Monsoon		Post-Monsoon	
			Rise	Fall	Rise	Fall
	17	Mehreon1	0.214		0.091	
	18	Mungra Badshahpur	0.102		0.2129	
	19	Narar(jamnipur)	0.2799		0.3203	
	20	Pisara	0.095		0.1065	
	21	Raja bazar	0.1522		0.2991	
	22	Rampur1		0.1566		0.0593
	23	Sarpatha		0.3364		0.1251
	24	Shahganj1	0.0563			0.066
	25	Sigra mau		0.0565	0.0772	
	26	Tarti		0.4151		0.4161
JHANSI	1	Babina1		0.0326	0.2493	
	2	Barua sagar	0.5171		0.4104	
	3	Eairach		0.4092		0.3076
	4	Farida		0.0153	0.005	
	5	Jhansi1	0.2455		0.2313	
	6	Khailara	0.0802		0.1647	
	7	Moth		0.0663	0.0084	
	8	Punch	0.0288		0.1678	
	9	Raksa	0.3345		0.2721	
	10	Rewan	0.6056		0.5266	
	11	Samthar	0.1533		0.0558	
	12	Semri	0.2336		0.1853	
JYOTIBA PHULE NAGAR	1	Amroha Pz CGWB				0.1228
	2	Dhanaura Pz CGWB				0.3081
KANNAUJ	1	Gurshaiganj1		0.2214		0.4597
	2	Harharpur		0.0104	0.261	
	3	Indergarh		0.0651		0.1297
	4	Kannauj1		0.1257		0.0247
	5	Ram ashram		0.0043		0.0469
	6	Tirwaganj		0.2494		0.3446
KANPUR DEHAT	1	Akbarpur		0.1376		0.2676
	2	Baghpur	0.0398		0.0429	
	3	Jaunra		0.1446		0.0656
	4	Kainjari	0.0818		0.0982	
	5	Muhammadpur		0.5552		0.6123
	6	Roura		0.1934		0.2711
	7	Shahjahanpur		0.1412		0.1994
KANPUR NAGAR	1	Bidhnu	0.2422		0.1815	
	2	Bithoor-Nganj	0.1603		0.1014	
	3	Chaubepur1		0.1901	0.0082	
	4	Narmau(new)		0.2336		0.3311
	5	Niwada dhamni	0.0859			0.0315
	6	Patara		0.4438		0.4949
	7	Sachendi	0.1009		0.168	
	8	Sarh	0.0664		0.0114	
	9	Sheoli	0.058		0.1626	
KAUSHAMBI	1	Ajrauli	0.0358			0.1992
	2	Kailashpuri	0.0573		0.0163	
	3	Kokhraj				0.6147

District	Sl no.	Location	Pre-Monsoon		Post-Monsoon	
			Rise	Fall	Rise	Fall
	5	Lehdari	0.0265			0.0133
	6	Mahgaon	0.098			0.1799
	7	Mandari	0.3115		0.57	
	8	Perai		0.009		0.3844
	9	Sallahpur		0.1437		0.1691
	10	Sarai akil		0.0988		0.2025
	11	Sirathu1			0.0451	
	12	Usargaura		0.0168		0.0142
KHERI	1	Asogapur		0.0327		0.0596
	2	Behjam			0.7262	
	3	Chamlapur		0.1867	0.0125	
	4	Chandan chowki		0.0013	0.0357	
	5	Chauapur		0.074		0.017
	6	Dharmapur		0.0602		0.1284
	7	Dudhwa f.r.h.	0.0175		0.0502	
	8	Gomti_east bank		0.0246	0.3562	
	9	Gularia		0.0669		0.2846
	10	Khajanchi purwa			0.0452	
	11	Maigalganj1		0.2709		
	12	Mailani		0.0451		0.0808
KUSHINAGAR	1	Belwa		0.1929	0.0877	
	2	Bisunpura	0.0777		0.0029	
	3	Captanganj1	0.058		0.0866	
	4	Chittauni	0.0223		0.0216	
	5	Fazil nagar		0.1629		0.2223
	6	Kasia1		0.0753	0.1194	
	7	Khadda	0.0233		0.0183	
	8	Mansurganj	0.064		0.0314	
	9	Mathauli	0.002		0.1149	
	10	Naurangia		0.0189	0.0852	
	11	Rambar	0.1819		0.1867	
LALITPUR	1	Amjhara ghati	0.2773		0.0051	
	2	Bansi	0.4121		0.1488	
	3	Digwar	0.2323		0.1195	
	4	Gugarwara	0.7375			
	5	Hisar kalan	0.0338			0.025
	6	Jakhlaun		0.0215		0.1576
	7	Khitwans	0.0171			0.0331
	8	Lalitpur	0.2565			0.1374
	9	Talbhet-New		0.145		
	10	Udaipura	0.119		0.0964	
LUCKNOW	1	Aat Garhi Sonra	0.1757			0.0156
	2	Arjunganj	0.0529			0.0858
	3	Arya Nagar	0.3533		0.3008	
	4	Bakshi ka talab	0.0319		0.0031	
	5	Bakshi Ka Talab	0.0563			0.2022
	6	Bani1	0.1183		0.2729	
	7	Behta Bazar	0.0532			0.3397
	8	Bhatoiya	0.4628		0.336	
	9	Bhujal Bhawan		0.5053		0.385

District	Sl no.	Location	Pre-Monsoon		Post-Monsoon	
			Rise	**Fall**	**Rise**	**Fall**
	11	CAMPBELL ROAD	0.1312		0.3015	
	12	Cantt		0.6487		0.6233
	13	Dilkusha	0.9759			
	14	Fatehganj	0.3662		0.2023	
	15	Gangaganj	0.1757		0.114	
	16	Gopamau	0.0565			0.0313
	17	Gosaiganj1		0.1708		0.0587
	18	Gulistan Colony		0.489		0.5479
	19	Itaunja		0.1265		0.2426
	20	ITAUNJA		0.1698		0.3502
	21	Kathwara		0.1073	0.0001	
	22	Khawas khera		0.2421		0.0324
	23	Kumrahawan		0.0811		0.3608
	24	Lu New Campus		0.3265		0.4283
	25	Lu Old Campus		0.4039		0.537
	26	Mahanagar H Park		0.5339		0.6508
	27	Mal	0.3494		0.0339	
	28	MALIHABAD	0.7123		0.3893	
	29	Mohanlalganj	0.043		0.1171	
	30	Mohanlalganj	0.2213			0.0552
	31	Munshiganj		0.1571	0.0634	
	32	Nagram		0.1714		0.0843
	33	Narhi		0.8849		
	34	New Hyderabad		0.9105		0.9653
	35	Nigohan1	0.0528		0.1747	
	36	RAHIMABAD	0.1399		0.0243	
	37	Rajajipuram		0.3927		0.2146
	38	Rakabganj Crossing	0.271			0.0665
	39	Rehman Khera	0.1742		0.2802	
	40	Rehmat Nagar		0.0111		0.025
	41	Rehta	0.9503			0.2051
	42	River Bank Colony		0.4256		0.4607
	43	Sarojininagar	0.027			0.0218
	44	Sisandi1	0.0133		0.184	
	45	Tejkishan Khera	0.4203			
	46	Vikasnagar		0.6663		0.743
MAHOBA	1	Bela tal	0.1799		0.2481	
	2	Charkhari	0.2515		0.3909	
	3	Kashipura	0.248		0.0797	
	4	Kulpahar1	0.219			0.0131
	5	Kulpahar2		0.0365	0.1792	
	6	Mahoba		0.4731		
	7	Panwari		0.283		
	8	Pipramauf	0.1954		0.2402	
	9	Srinagar	0.5358		0.1496	
	10	Teiya1	0.5256		0.6392	
MAHRAJGANJ	1	Campierganj	0.0217		0.0207	
	2	Ghughali	0.0923			0.0342
	3	Koluhi	0.0498			0.1221
	4	Kukesar	0.1959		0.0798	

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District	Sl no.	Location	Pre-Monsoon		Post-Monsoon	
			Rise	Fall	Rise	Fall
	6	Partawal		0.0064	0.2445	
	7	Siswa bazar		0.1275		0.0087
	8	Thakulwa		0.2445	0.0592	
MAINPURI	1	Ghirore		0.0673		0.1008
	2	Katra Saman	0.0278			0.103
	3	Madhan		0.2056		
	4	Mainpuri		0.3762		
	5	Majhaula	0.0446			0.1513
	6	Nagal bhujia	0.1023			0.04
	7	Nagla rampichha				0.0217
MATHURA	1	Baldeo		0.1318	0.0998	
	2	Barsana		0.0806		0.2122
	3	Chhata New		0.1785	0.0196	
	4	Jachoda	0.0026		0.0239	
	5	Jhinga nagla		0.0082	0.0066	
	6	Kosi	0.0737			0.0135
	7	Mat	0.0438			0.2868
	8	Nagra Chhitar Singh		0.0762		0.0015
	9	Paintha (Govardhan)	0.2501		0.1902	
	10	Sahar1		0.0131	0.0304	
	11	Saunkh	0.2017		0.1065	
	12	Surir (new)	0.3266		0.1509	
	13	Vridavan			0.2285	
MAU	1	Amila		0.0953		0.0195
	2	Dhorighat	0.0606			0.0461
	3	Ghinahapur		0.0999		0.1038
	4	Ghosi		0.0178		0.0096
	5	Jejawali		0.0442	0.129	
	6	Kamal sagar		0.1724		0.0866
	7	Kapaganj				0.3701
	8	Kora-uli				0.0577
	9	Paharipur				0.0013
MEERUT	1	Chota Mawana Pz				0.3361
	2	Hastinapur 1				0.0063
	3	Kaili Pz		0.339		0.2025
	4	Machhara Shallowpz		0.685		0.5627
	5	Meerut Pz		0.6057		0.6487
	6	Parikshat Garh Pz		0.383		0.4731
	7	Sarurpur Pz				0.8569
	8	Shatabdi Nagar(SHALLOW)PZ		0.1863		0.5116
MIRZAPUR	1	Adalhat	0.141			0.1644
	2	Ahraura	0.1062		0.132	
	3	Baghura		0.0113		0.0616
	4	Barhanchuan	0.1028		0.0141	
	5	Barhpura1		0.7718		0.5251
	6	Chunar	0.8336		1.1971	
	7	Gaipura	0.1018		0.2715	
	8	Gopalpur		0.2595		0.0989
	9	Halia	0.3358		0.0127	

District	Sl no.	Location	Pre-Monsoon		Post-Monsoon	
			Rise	Fall	Rise	Fall
	11	Kunabimar	0.2581		0.7141	
	12	Lalganj	0.8462		0.1007	
	13	Lohangpur	0.2822		0.1903	
	14	Madhupur	0.0125			1.6573
	15	Marihan			0.3904	
	16	Mirzapur		0.3924		0.0152
	17	Purjagir		0.4027		0.0104
MORADABAD	1	Fauladpur	0.065			0.1544
	2	Mundha pande	0.3534			0.2672
	3	Painapur		0.0735	0.1216	
	4	Sarifnagar		0.0054		
	5	Thakurdwara		0.0091	0.144	
MUZAFFARNAGAR	1	Baghra		0.4232		0.4652
	2	Barla		0.1706		0.2029
	3	Chartawal		0.0701		0.1512
	4	Jansath2		0.1053		0.2731
	5	Sukratal		0.0324	0.006	
PILIBHIT	1	Baldeopur	0.0291			0.0017
	2	Bargad chauraha	0.0064		0.0176	
	3	Bhamora		0.0718		0.0594
	4	Faradia		0.1361		0.1435
	5	Gajraula1		0.0689		0.0287
	6	Jahanabad1		0.1662		0.1393
	7	Jeora kalyanpur		0.1482		0.0898
PRATAPGARH	1	Arjunpur	0.0104			0.1398
	2	Ateha	0.0677			0.0622
	3	Bhusar	0.2032		0.1665	
	4	Bishahia	0.0148		0.122	
	5	Chhaunga				0.1941
	6	Delhupur	0.1155			0.0282
	7	Dih balri	0.1823		0.4461	
	8	Gaura	0.1403			
	9	Gorai1		0.0829	0.0946	
	10	Gutni		0.0125		0.0589
	11	Jamtoli		0.2719		0.4546
	12	Jathwara		0.0822	0.0158	
	13	Kithawar				0.2328
	14	Kohdaur		0.0344		0.0302
	15	Kunda		0.1601		0.0505
	16	Lalganj2	0.2167		0.211	
	17	Lalgopalganj	0.1285		0.2032	
	18	Maddupur		0.0608	0.0004	
	19	Mandhata		0.1627		0.2223
	20	Mohanganj	0.1541		0.0255	
	21	Nanasukul purwa	0.0588		0.2913	
	22	Rampur batauli		0.0491		0.4527
	23	Raniganj		0.0696		0.4682
	24	Sangipur	0.0538		0.4681	
	25	Sangramgarh	0.0918		0.0892	
	26	Udai shahpur	0.2008			

District	Sl no.	Location	Pre-Monsoon		Post-Monsoon	
			Rise	Fall	Rise	Fall
RAE BARELI	1	Ahraura bhawani		0.0633		0.0795
	2	Bachhrawan		0.1132		
	3	Bhagwantnagar		0.4059		
	4	Bhawanigarh		0.0327		0.0599
	5	Chauraha dusti	0.0533		0.0313	
	6	Cheek daadar	0.2978		0.4536	
	7	Churwa		0.0718		
	8	Dalmau		0.0144		0.0943
	9	Dhonda ka purwa	0.1406		0.4193	
	10	Dih		0.1721		0.1293
	11	Fursatganj	0.0004		0.0387	
	12	Gopalipur	0.0045		0.3572	
	13	Harchandpur	0.2053		0.5414	
	14	Inchauli1	0.0634		0.4284	
	15	Jagatpur	0.0667		0.0471	
	16	Jais	0.2375		0.295	
	17	Kachunda		0.012	0.0023	
	18	Katghar	0.069		0.1453	
	19	Koni		0.2974		0.1245
	20	Kumbhi ka purwa		0.0827		0.0418
	21	Laxmanganjbazar	0.2263		0.4993	
	22	Matrwa		0.0894		0.01
	23	Mau garbi	0.1091		0.0572	
	24	Mazzamganj ngr		0.1086	0.0842	
	25	Mohanganj1	0.03			0.1672
	26	Nigohan1		0.0122	0.0155	
	27	Rae bareli		0.2463	0.004	
	28	Raja Fatehpur-New		0.0466		0.0022
	29	Rani khera		0.1774	0.0056	
	30	Rawalpur	0.0104		0.0001	
	31	Salon	0.0658		0.1894	
	32	Shivratan ganj		0.1897	0.1388	
	33	Simrauta		0.0748	0.0071	
	34	Simrauta(ii)		0.1615	0.0751	
	35	Suchi	0.0204		0.1079	
RAMPUR	1	Tanda	0.0011			0.0899
	2	Thunapur		0.4795		0.0968
SAHARANPUR	1	Babail Buzurg	0.1035		0.1842	
	2	Bagh colony	0.1716			0.0417
	3	Mohand	0.1114			0.0288
	4	Shakhambari	0.0297		0.1796	
	5	Sunderpur1	0.0155		0.0758	
SANT KABIR NAGAR	1	Dhanghata		0.0361	0.084	
	2	Khalilabad	0.0224			0.026
	3	Maidawal	0.0584			0.0215
	4	Nathnagar	0.1186		0.0684	
	5	Pipra first			0.1359	
SANT RAVIDAS NAGAR	1	Aurai		0.1996		0.2544
	2	Bhadohi	0.0592			0.648

District	Sl no.	Location	Pre-Monsoon		Post-Monsoon	
			Rise	Fall	Rise	Fall
	4	Kawalpur			0.4992	
	5	Koirauna	0.2126		0.2986	
	6	Pali1		0.0183		0.0584
	7	Suriyawan	0.0297		0.1637	
SHAHJAHANPUR	1	Gurgaon	0.0626		0.2211	
	2	Jalalpur2	0.5207		0.0422	
	3	Pawayan		0.0816	0.041	
	4	Sehramau		0.0121		0.1033
	5	Shahjahanpur1		0.6962		0.4332
	6	Sidhauli		0.1322		0.0696
SHRAWASTI	1	Badla village	0.0575		0.0439	
	2	Bhagwanpur	0.0005			0.0489
	3	Bhinga2	0.1746		0.0932	
	4	Bhujanga		0.0392		0.0626
	5	Dikauli	0.0137			0.0273
	6	Lachmanpur		0.0616		0.02
	7	Laxman nagar	0.0498			0.071
	8	Madora chowki		0.0263		0.044
	9	Pakaria	0.0039			0.0591
	10	Parpatganj		0.0223		
	11	Pratapur		0.0604	0.0496	
	12	Ratanpur		0.1032		0.0924
	13	Shrawasti		0.005	0.0069	
	14	Sirsia1	0.0762			0.1503
	15	Tulsipur2	0.0251			0.0524
SIDDHARTHNAGAR	1	Badhni	0.0299		0.0026	
	2	Bansi1		0.0129		0.0213
	3	Basti(naugarh)	0.23		0.078	
	4	Belwa laghunahi	0.0319		0.0091	
	5	Birdpur	0.0017			0.0693
	6	Chilihia	0.0351		0.0069	
	7	Dumariaganj	0.001			0.0082
	8	Kajhai		0.0367		0.0204
	9	Parsa	0.1512		0.0525	
	10	Ramnagara	0.0019			0.0107
	11	Uska	0.0276		0.0912	
SITAPUR	1	Biswan2		0.2451		0.2167
	2	Biutmani		0.026		0.0364
	3	Deokalia	0.0557			0.0072
	4	Dhoudhi		0.1151		0.0872
	5	Dularpur		0.0692		0.2009
	6	Hargaon		0.0415		0.0724
	7	Jahangirabad		0.0083		0.0251
	8	Karauna	0.0339			0.406
	9	Khamaria		0.0936		0.0793
	10	Kutub nagar	0.0027			0.0232
	11	Madnapur		0.025		0.0468
	12	Manpur chowki	0.0087			0.0249
	13	Purwara gosai		0.1204		0.0177
	14	Sitapur		0.0445		0.0547

District	Sl no.	Location	Pre-Monsoon		Post-Monsoon	
			Rise	Fall	Rise	Fall
SONBHADRA	1	Anpara		0.041	0.0087	
	2	Babhani		0.0551	0.1861	
	3	Bairpan		0.0977		0.0327
	4	Bhagwan nagar	0.2316		0.2094	
	5	Chopan		0.0558	0.0289	
	6	Dhrtidand1	0.0957		0.2811	
	7	Dudhi	0.2022		0.2038	
	8	Gara		0.0981		0.02
	9	Ghorawal1	0.3265		0.3122	
	10	Hatinala	0.4207		0.4364	
	11	Jarha	0.0909		0.1338	
	12	Kakrahi	0.2595		0.0846	
	13	Kohraul	0.1583			
	14	Markundi		0.011		0.0303
	15	Muirpur	0.0992		0.105	
	16	Robertsganj1		0.1142	0.0762	
	17	Shahganj		0.097	0.1035	
	18	Son barsa	0.0238		0.0405	
SULTANPUR	1	Amethi-NEW	0.4217		0.3182	
	2	Babuganj		0.1656		0.0651
	3	Badgaon		0.1515	0.0332	
	4	Bahurawa		0.2347		0.0401
	5	Bazar Sukul 1		0.1861	0.597	
	6	Bhadar		0.0775		0.0747
	7	Bhatgaon		0.2427		0.0531
	8	Bhim pashim		0.0462		0.0456
	9	Dariyan ka purw		0.0611	0.1533	
	10	Gauriganj		0.2884		
	11	Goriabad		0.2982		0.0696
	12	Jagdishpur2		0.0311	0.1484	
	13	Jaisinghpur	0.0628		0.0133	
	14	Jamon1		0.0026	0.1879	
	15	Janapur		0.1085		0.0641
	16	Kadipur		0.0594		0.0239
	17	Khaluhat1		0.0974		0.071
	18	Khutahna		0.063		0.0968
	19	Kurebhar1	0.0118		0.0042	
	20	Kurwar		0.0473		0.1008
	21	Kusitali	0.0234		0.3382	
	22	Kutta		0.134		0.0213
	23	Mahona		0.1612		0.1053
	24	Maniari aliganj	0.0345		0.097	
	25	Mardanpur		0.0764		0.1333
	26	Mundawa		0.0325	0.0857	
	27	Munshiganj1	0.0395		0.2204	
	28	Musafirkhana		0.0432	0.0395	
	29	Naghipur bajhan		0.0432	0.0473	
	30	Piparpur	0.014		0.0818	
	31	Pratushmanik	0.1453		0.105	
	32	Ramgarh1		0.0108		0.0423

District	Sl no.	Location	Pre-Monsoon		Post-Monsoon	
			Rise	Fall	Rise	Fall
	34	Sagardeh		0.1021	0.0292	
	35	Sathin		0.295		0.3379
	36	Shivgarh		0.0786	0.1201	
	37	Sikrabad (Para)		0.0869		0.1468
	38	Sultanpur2	0.0453			0.0062
	39	Trisundi		0.0292	0.1481	
UNNAO	1	Auras		0.1599		0.0802
	2	Azmatnagar		0.4629		0.1636
	3	Baksar	0.0821			0.0294
	4	Bangarmau(new)	0.0726			0.0514
	5	Behta majawar		0.0876		0.1495
	6	Bhagwant nagar	0.052			0.1517
	7	Bichhia	0.1045		0.0214	
	8	Bighapur		0.0651	0.1884	
	9	Chakalvanshi		0.0436		0.0288
	10	Ganj moradabad		0.1449		0.0962
	11	Hasanganj1		0.0404		0.0736
	12	Hasewan	0.0264		0.1316	
	13	Kali mitti	0.1409			0.051
	14	Kantha	0.1555		0.1036	
	15	Makur		0.0548		0.0513
	16	Malauna	0.1098		0.1354	
	17	Maurawan		0.0073	0.0251	
	18	Methi Tikur		0.0288		0.0366
	19	Miyanganj		0.0249	0.0253	
	20	Newalganj	0.092		0.2867	
	21	Pariyar	0.0426		0.0841	
	22	Pinjra		0.0412		0.0984
	23	Purwa		0.0321	0.0475	
	24	Safipur1		0.0772		0.1623
	25	Santakhera	0.0871			0.0115
	26	Sikanderpur1		0.0817		0.2228
	27	Sumerpur	0.0719		0.1025	
	28	Thaura	0.0911		0.0032	
	29	Tonda		0.0867	0.0154	
	30	Unchagaon kila		0.0218		0.1367
	31	Unchagaon1		0.0266	0.1157	
	32	Unnao		0.1892		0.1797
VARANASI	1	Anai		0.096	0.0988	
	2	Babatpur		0.4418		0.3347
	3	Babatpur chaura		0.238		0.6904
	4	Barwaon		0.9074		0.6881
	5	Chobepur		0.4862		0.2961
	6	Cholapur1	0.3359		0.2961	
	7	Jikhan(narsara)		0.1227		0.0693
	8	Kakrahwan		0.4126		0.1476
	9	Rajatalab1		0.8551		0.7288

District	Sl no.	Location	Pre-Monsoon		Post-Monsoon	
			Rise	Fall	Rise	Fall
	11	Sindhaura				1.0791
	12	Tahipur		0.0891		0.0288
	13	Thatra		0.2637	0.0373	
	14	Varanasi	0.0191		0.1174	

Chemical Analysis data of Samples Collected from Ground Water Monitoring Wells in Uttar Pradesh 2014 -15

S.No.	District	BLOCK	pH	EC µS/cm at 25℃	CO₃	HCO₃	Cl	F	NO₃	SO₄	TH	Ca	Mg	Na	K	SiO₂	PO₄	TDS	RSC	SAR
1	Agra	Achhnera	8.25	4100	nil	268	1015	1.85	15	320	950	140	146	500	6	31	nd	2747	-14.6	7.1
2	Agra	Akola	8.15	11100	nil	366	2840	0.69	35	1020	1700	204	289	1750	20	32	nd	7437	-27.9	18.5
3	Agra	Bah	8.53	1280	18	451	114	0.37	44	19	320	36	56	138	4.3	40	nd	858	1.6	3.4
4	Agra	Barauli ahir	9.01	1520	48	390	142	1.35	15	106	230	16	46	235	3.3	28	nd	1018	3.4	6.8
5	Agra	Bichpuri	8.85	4350	72	634	515	5	35	650	350	32	66	830	4.7	32	nd	2915	5.8	19.3
6	Agra	Etmadpur	8.60	5900	24	317	710	2.5	0.33	1450	525	64	89	1100	6.6	26	nd	3953	-4.5	20.9
7	Agra	Fatehabad	8.63	3180	36	586	362	1.85	1.3	480	210	16	41	630	2	29	nd	2131	6.6	19
8	Agra	Fatehpur sikari	8.76	2200	24	244	277	0.17	6.2	400	200	20	36	410	1.8	41	nd	1474	0.8	12.7
9	Agra	Jagner	8.10	4580	nil	354	1008	0.03	54	420	1000	108	178	580	11	27	nd	3069	-14.2	8
10	Agra	Jaitpur kalan	8.31	700	nil	329	28	0.18	12	11	240	40	34	46	2.6	37	nd	469	0.6	1.3
11	Agra	Khandauli	8.30	3550	nil	415	653	0.36	48	380	700	64	131	480	6.3	33	nd	2379	-7.2	7.9
12	Agra	Kheragarh	8.56	4900	48	744	469	0.91	1.3	970	950	32	212	680	4.1	24	nd	3283	-5.2	9.6
13	Agra	Pinhat	8.60	820	24	281	50	0.8	5.8	43	290	64	32	50	3.9	34	nd	549	-0.4	1.3

14	Agra	Saiyan	8.61	1430	36	476	50	0.64	3.8	160	230	24	41	220	1.2	31	nd	958	4.4	6.3
15	Agra	Shamsabad	8.45	1900	24	366	185	0.78	7.3	300	380	48	63	250	3.6	37	nd	1273	-0.8	5.6
16	Agra	Agra	8.41	3250	24	390	490	1	55	450	590	44	117	470	5.9	34	nd	2178	-4.6	8.4
17	Aligarh	Chandaus	7.80	860	nil	451	21	0.67	32	34	290	64	32	78	6	29	nd	576	1.6	2
18	Aligarh	Jawan	8.00	770	nil	403	14	0.88	3.1	56	250	52	29	74	6.4	26	nd	516	1.6	2.03
19	Aligarh	Atrauli	8.00	708	nil	397	28	0.92	0.3	28	250	4	58	64	0.1	28	nd	474	1.5	1.75
20	Aligarh	Bijauli	7.90	1287	nil	512	113	0.41	20	86	260	88	10	196	6.7	33	nd	862	3.2	5.27
21	Aligarh	Gangiri	7.80	1140	nil	598	50	0.55	16	34	240	48	29	173	6.5	31	nd	764	5	4.84
22	Aligarh	Akbarabad	7.80	856	nil	390	50	0.45	39	44	290	56	36	77	8.1	28	nd	574	0.6	1.97
23	Aligarh	Dhanpur	8.00	1375	nil	439	170	0.55	41	62	300	40	49	189	7.4	29	nd	921	1.2	4.73
24	Aligarh	Aligarh	8.10	878	nil	366	71	0.54	45	42	340	56	49	60	8.5	25	nd	588	-0.8	1.4
25	Aligarh	Iglas	8.00	2094	nil	769	163	0.59	76	184	350	24	71	355	6.7	36	nd	1403	5.6	8.25
26	Aligarh	Gonda	7.90	4274	nil	683	851	0.64	14	465	600	40	122	768	13	26	nd	2864	-0.8	13.6
27	Aligarh	Khair	7.80	2587	nil	805	298	0.69	77	167	360	36	66	431	31	30	nd	1733	6	9.89
28	Aligarh	Lodha	8.00	982	nil	512	43	0.61	7.5	43	300	44	46	103	14	27	nd	658	2.4	2.6
29	Aligarh	Tappal	8.10	1250	nil	464	113	0.88	1.1	124	320	48	49	162	5.9	24	nd	838	1.2	3.93
30	Allahabad	Urwa	7.61	440	nil	183	21	0.38	17	13	120	28	12	41	2.7	32	nd	295	0.6	1.63

31	Allahabad	Chaka	7.50	930	nil	403	64	0.9	24	19	300	36	51	69	2.7	3	nd	623	0.6	1.73
32	Allahabad	Koraw	7.85	620	nil	317	21	0.4	0.03	8.2	220	16	44	35	2.3	30	nd	415	0.8	1.02
33	Allahabad	Karchhana	7.65	940	nil	317	92	0.44	45	27	250	36	39	97	3.5	41	nd	630	0.2	2.67
34	Allahabad	Jasara	7.37	1000	nil	476	57	0.83	5	18	300	32	54	88	1.6	37	nd	670	1.8	2.2
35	Allahabad	Bahadurganj	7.76	350	nil	159	21	0.19	1.2	8.2	150	20	24	7.6	1.9	35	nd	235	-0.4	0.27
36	Allahabad	Shankargarh	7.13	945	nil	281	128	0.99	2.5	51	330	72	36	62	0.4	25	nd	633	-1.9	1.49
37	Allahabad	Handia	8.40	1370	60	268	163	0.77	5	120	480	32	97	83	10	26	nd	918	-3.2	1.65
38	Allahabad	Saidabad	8.30	920	nil	366	85	0.53	0.6	33	300	24	58	64	5	24	nd	616	0.0	1.61
39	Allahabad	Kaurihar	7.77	720	nil	366	21	0.59	10	12	270	28	49	37	2.3	32	nd	482	0.6	0.98
40	Allahabad	Baharia	7.89	625	nil	311	21	1.8	3.7	8.2	200	24	34	46	4.7	33	nd	419	1.1	1.42
41	Allahabad	Soraw	7.91	760	nil	366	36	0.97	12	12	200	32	29	74	4.3	30	nd	509	2.0	2.28
42	Allahabad	Holagarh	7.70	730	nil	378	21	0.85	6.8	9.1	240	24	44	46	7	35	nd	489	1.4	1.29
43	Allahabad	Phulpur	7.95	955	nil	500	28	2.5	5	15	250	28	44	99	3.1	27	nd	640	3.2	2.72
44	Allahabad	Mauima	7.90	880	nil	476	21	0.64	nd	3.8	100	20	12	152	1.9	24	nd	590	5.8	6.63
45	Allahabad	Pratappur	7.89	930	nil	488	28	0.65	6.2	7.2	250	24	46	91	8.6	35	nd	623	3.0	2.51
46	Ambedkar Nagar	Akbarpur	7.69	675	nil	329	43	0.25	0.18	33	295	40	47	32	3.5	26	nd	452	-0.5	0.81
47	Ambedkar Nagar	Baskhari	8.20	500	nil	268	7	0.37	14	12	220	44	27	17	2.4	27	nd	335	0	0.5

48	Ambedkar Nagar	Bhiti	7.90	600	nil	354	14	0.4	0.24	12	230	32	36	44	3.9	27	nd	402	1.2	1.26
49	Ambedkar Nagar	Bhiyaon	7.83	560	nil	354	7	0.41	0.16	4.6	210	32	32	44	3.8	26	nd	375	1.6	1.32
50	Ambedkar Nagar	Jhanjhigiriganj	7.75	1101	nil	281	156	0.18	43	60	340	60	46	96	1.4	23	nd	738	-2.2	2.26
51	Ambedkar Nagar	Jalalpur	7.80	820	nil	378	50	0.32	10	28	315	44	50	50	5	25	nd	549	-0.1	1.22
52	Ambedkar Nagar	Katehari	7.90	610	nil	329	21	0.23	0.29	10	270	60	29	22	2.8	24	nd	409	0	0.58
53	Ambedkar Nagar	Ramnagar	8.18	396	nil	220	14	nd	0.03	13	165	24	26	18	2.6	23	nd	265	0.3	0.61
54	Ambedkar Nagar	Tanda	8.17	542	nil	275	28	0.11	0.06	25	240	32	39	26	3.4	26	nd	363	-0.3	0.73
55	Ambedkar Nagar	Akbarpur city	7.88	915	nil	354	57	0.11	70	38	300	44	46	63	35	26	nd	613	-0.2	1.58
56	Auraiya	Achhalda	8.35	566	18	298.9	11	2.7	nd	6.8	160	24	24	64	2.6	23	nd	379	2.3	2.2
57	Auraiya	Ajitmal	8.20	620	nil	353.9	18	0.72	1.2	16	170	28	24	78	3.2	27	nd	415	2.4	2.6
58	Auraiya	Auraiya	8.00	1635	nil	427.1	156	0.5	240	68	650	52	126	84	3.1	30	nd	1095	-6	1.43
59	Auraiya	Bhagya nagar	8.05	750	nil	414.9	14	0.59	6.5	9.9	250	24	46	62	3.7	28	nd	503	1.8	1.7
60	Auraiya	Bidhuna	7.99	865	nil	439.3	43	1	7	46	295	32	52	80	7.4	28	nd	580	1.3	2.03
61	Auraiya	Sahar	8.43	862	18	323.4	71	0.97	1.4	67	240	12	51	104	6.4	26	nd	578	1.1	2.92
62	Azamgarh	Ahiraula	8.04	402	nil	220	7	0.24	2.4	2.6	150	24	16	20	1.7	98	nd	269	1.1	0.78
63	Azamgarh	Atraulia	7.99	460	nil	268	21	0.14	nd	2.2	140	24	19	51	3.7	38	nd	308	1.6	1.89
64	Azamgarh	Azmatgarh	7.92	388	nil	195	14	nd	2.1	1.9	115	38	4.8	29	5.5	40	nd	260	0.9	1.18

65	Azamgarh	Bilariyaganj	8.04	418	nil	232	21	nd	nd	4	150	20	24	33	3.9	38	nd	280	0.8	1.18
66	Azamgarh	Harraiya	8.00	492	nil	275	21	nd	6.4	6.6	130	12	24	60	4.1	39	nd	330	1.9	2.3
67	Azamgarh	Jahanaganj	7.80	627	nil	317	43	nd	9.9	6.8	180	16	34	69	4.3	37	nd	420	1.6	2.24
68	Azamgarh	Koyalsa	8.10	486	nil	281	7	0.17	nd	8.8	170	28	24	37	3.1	39	nd	326	1.2	1.24
69	Azamgarh	Lalganj	8.00	593	nil	354	28	0.21	0.3	11	165	24	25	78	6.8	36	nd	397	2.5	2.66
70	Azamgarh	Maharajganj	7.90	392	nil	195	21	0.33	5.3	3	155	28	20	19	2.7	47	nd	263	0.2	0.67
71	Azamgarh	Marteenganj	7.90	598	nil	342	14	0.33	2.3	41	150	20	24	88	5.4	33	nd	401	2.6	3.14
72	Azamgarh	Mehnagar	8.00	461	nil	293	14	0.41	nd	6.1	170	32	22	45	2.6	37	nd	309	1.4	1.5
73	Azamgarh	Mirzapur	8.01	494	nil	293	14	0.28	2.2	5.7	195	36	25	33	4.6	102	nd	331	1.0	1.03
74	Azamgarh	Muhammadpur	7.92	633	nil	342	21	0.99	0.5	5.5	105	16	16	97	2.03	39	nd	424	3.5	4.1
75	Azamgarh	Palhana	7.81	914	nil	500	7	0.75	0.29	10	140	8	29	132	2.5	34	nd	612	5.4	4.86
76	Azamgarh	Palhani	7.77	795	nil	342	57	nd	19	25	165	36	18	107	2.37	38	nd	533	2.3	3.63
77	Azamgarh	Pawai	7.93	521	nil	317	14	0.58	nd	7.9	155	8	32	60	3.95	87	nd	349	2.2	2.12
78	Azamgarh	Phoolpur	8.01	972	nil	305	92	0.75	54	47	285	8	64	87	3.19	36	nd	651	-0.7	2.25
79	Azamgarh	Rani ki sarai	8.00	582	nil	305	28	0.44	nd	6.5	210	32	31	39	3.22	35	nd	390	0.9	1.18
80	Azamgarh	Sathiaon	8.00	498	nil	299	7	0.43	nd	4.8	105	4	23	71	2.82	36	nd	334	2.8	3.02
81	Azamgarh	Tahabarpur	7.98	508	nil	281	21	0.22	2.6	7.1	195	40	23	35	2.66	38	nd	340	0.7	1.09

82	Azamgarh	Tarwa	7.93	609	nil	366	14	0.37	nd	3.2	145	16	25	81	2.91	39	nd	408	3.1	2.95
83	Azamgarh	Thekma	7.79	576	nil	281	21	0.35	4.8	21	150	24	9.6	61	4.88	38	nd	386	2.6	2.66
84	Bahraich	Balha	7.87	1020	nil	354	78	0.52	73	61	340	68	41	80	9	22	nd	683	-1	1.89
85	Bahraich	Bisheshwarganj	8.12	400	nil	232	7.1	0.26	0.8	2.3	180	44	17	11	2.3	30	nd	268	0.2	0.35
86	Bahraich	Chittaura	8.24	365	nil	207	7.1	0.24	0.12	7	160	40	15	9	3.3	29	nd	245	0.2	0.31
87	Bahraich	Fakharpur	8.23	825	nil	342	78	0.13	0.89	26	230	44	29	67	45	24	nd	553	1	1.91
88	Bahraich	Huzurpur	8.09	532	nil	305	14	0.23	2	1.3	200	56	15	28	4.8	26	nd	356	1	0.86
89	Bahraich	Jarwal	8.04	1002	nil	293	121	0.13	0.47	118	350	56	51	75	13	16	nd	671	-2.2	1.73
90	Bahraich	Kaisarganj	8.15	490	nil	268	14	0.15	0.56	7.7	220	40	29	14	3.7	31	nd	328	0	0.42
91	Bahraich	Mahasi	8.25	687	nil	329	50	0.15	3.3	0.9	230	60	19	52	9	23	nd	460	0.8	1.48
92	Bahraich	Mihipurwa	8.24	520	nil	305	7.1	0.37	0.4	1.1	220	40	29	23	3.1	28	nd	348	0.6	0.68
93	Bahraich	Nawabganj	8.20	425	nil	256	7.1	0.6	0.73	1.7	200	44	22	9.1	2.6	31	nd	285	0.2	0.28
94	Bahraich	Payagpur	8.19	380	nil	207	14	0.34	0.17	2.8	170	40	17	5	3.1	27	nd	255	0	0.17
95	Bahraich	Risiya	8.20	402	nil	183	21	0.3	0.12	18	180	56	10	11	2.7	26	nd	269	-0.6	0.34
96	Bahraich	Shivpur	8.25	611	nil	354	14	0.23	1.2	3.5	270	72	22	17	4.9	27	nd	409	0.4	0.45
97	Bahraich	Tejwapur	8.20	663	nil	305	57	0.21	2.6	6	250	56	27	32	5.5	25	nd	444	0	0.89
98	Bahraich	Bahraich	8.20	950	nil	281	71	0.2	71	74	340	48	54	63	6.5	27	nd	637	-2.2	1.49

99	Balia	Bairya	7.88	661	nil	390	28	nd	2.7	8.9	195	48	18	80	4.45	36	nd	443	2.5	2.5
100	Balia	Bansdeeh	7.96	1421	nil	317	241	nd	43	82	210	24	36	233	2.83	40	nd	952	1.0	7.03
101	Balia	Belhari	8.01	388	nil	220	14	nd	38	4.5	110	24	12	56	3.44	38	nd	260	1.4	2.33
102	Balia	Beruwarbari	8.01	699	nil	378	50	nd	8	4.1	290	80	22	45	3.78	34	nd	468	0.4	1.15
103	Balia	Chilkahar	8.00	488	nil	268	14	0.55	2.6	2.2	170	8	36	33	3.73	37	nd	327	1.0	1.11
104	Balia	Dubahar	7.92	503	nil	293	28	nd	0.5	14	215	56	18	33	7.73	29	nd	337	0.5	0.98
105	Balia	Garwar	7.99	614	nil	293	28	0.5	35	2.2	180	24	29	58	3.8	37	nd	411	1.2	1.88
106	Balia	Hanumanganj	7.94	463	nil	220	50	0.15	3	13	170	40	17	44	2.6	37	nd	310	0.2	1.47
107	Balia	Maniyar	7.96	441	nil	244	21	0.2	1.2	13	195	24	32	79	8.1	39	nd	295	0.2	2.48
108	Balia	Murali chhapara	7.94	1132	nil	317	142	nd	55	74	400	80	48	20	8.2	30	nd	758	-2.7	0.44
109	Balia	Nawa nagar	7.99	426	nil	232	7	0.27	nd	9.9	135	20	20	81	3.2	35	nd	285	1.2	3.06
110	Balia	Negara	8.00	693	nil	232	85	nd	nd	32	225	44	28	53	5.8	42	nd	464	-0.7	1.54
111	Balia	Pandoh	8.01	394	nil	183	28	nd	nd	2.1	115	12	20	55	4.8	39	nd	264	0.8	2.26
112	Balia	Rasara	8.1	834	nil	439	14	0.74	0.28	16	170	20	29	152	4.71	32	nd	559	3.8	5.08
113	Balia	Reoti	7.87	405	nil	220	14	0.26	5.3	1.5	180	48	14	8.3	3.15	36	nd	271	0.1	0.27
114	Balia	Siyar	7.98	381	nil	232	14	0.29	nd	2	170	40	17	17	3.15	44	nd	255	0.4	0.57
115	Balia	Sohaon	7.79	505	nil	305	14	0.1	nd	2.6	165	40	16	47	3.55	35	nd	338	1.7	1.59

116	Balrampur	Balrampur	8.00	440	nil	256	14	0.12	nd	5.7	210	40	27	13	2.6	30	nd	295	0.0	0.39
117	Balrampur	Gaisadi	8.00	777	nil	268	43	0.32	1	134	380	48	63	22	0.8	30	nd	521	-3.2	0.49
118	Balrampur	Harraiya Satgharwa	8.00	838	nil	476	35.5	0.24	0.99	15	275	36	45	51	60.4	14	nd	561	2.3	1.33
119	Balrampur	Pachperva	7.90	836	nil	525	14.2	0.77	0.3	2.7	260	20	51	93	1.1	22	nd	560	3.4	2.51
120	Balrampur	Rehra Bazar	8.00	520	nil	311	14.2	0.57	nd	4.5	240	32	39	19	3.2	28	nd	348	0.3	0.54
121	Balrampur	Sriduttganj	8.10	511	nil	317	7.1	0.07	nd	3.2	230	40	32	19	3.3	27	nd	342	0.6	0.55
122	Balrampur	Tulsipur	7.90	431	nil	256	14.2	0.39	nd	4.1	180	28	27	26	0.7	24	nd	289	0.6	0.84
123	Balrampur	Utraula	8.00	451	nil	256	14.2	0.13	0.96	3.6	215	28	35	9	4.2	27	nd	302	-0.1	0.27
124	Banda	Baberu	8.11	727	nil	390	21	0.81	6.2	8.9	190	32	27	76	1.4	19	nd	487	2.6	2.4
125	Banda	Barokhar	8.21	1208	nil	696	35	2.9	2.1	17	210	32	32	190	1.4	13	nd	809	7.2	5.7
126	Banda	Bisanda	8.14	1002	nil	451	92	0.74	14	23	300	40	49	97	1.4	16	nd	671	1.4	2.43
127	Banda	Jaspura	8.23	803	nil	439	35	0.91	7.4	6.2	170	16	32	109	2.1	21	nd	538	3.8	3.63
128	Banda	Kamasin	8.00	1425	nil	451	177	0.65	63	62	450	68	68	115	1.4	18	nd	955	-1.6	2.36
129	Banda	Mahua	8.22	842	nil	439	28	0.08	13	13	150	24	22	117	1.2	18	nd	564	4.2	4.15
130	Banda	Naraini	8.03	1670	nil	439	284	0.76	86	24	661	80	112	79	1.5	17	nd	1119	-6	1.34
131	Banda	Tindwari	8.13	705	nil	354	35	0.64	16	7.9	180	40	19	77	1.3	18	nd	472	2.2	2.5
132	Banda	Banda hq	8.05	1665	nil	549	121	0.8	167	86	420	52	71	182	0.84	17	nd	1116	0.6	3.86

133	Barabanki	Trivediganj	8.00	412	nil	244	14	0.11	0.4	3	150	4	34	32	4.4	33	nd	276	1	1.15
134	Barabanki	Haidergarh	8.10	484	nil	275	14	0.25	0.8	20	230	40	32	14	2.7	32	nd	324	-0.1	0.39
135	Barabanki	Nindura	8.00	765	nil	397	43	nd	0.8	31	260	20	51	73	5.3	36	nd	513	1.3	1.96
136	Barabanki	Dewa	7.90	525	nil	317	14	0.5	0.3	2.1	185	24	30	44	5.6	21	nd	352	1.5	1.4
137	Barabanki	Fatehpur	7.80	614	nil	317	21	0.3	0.2	38	240	36	36	41	4.1	32	nd	411	0.4	1.16
138	Barabanki	Suratganj	7.90	567	nil	317	14	0.55	0.2	25	265	36	43	18	3.9	30	nd	380	-0.1	0.49
139	Barabanki	Ramnagar	8.00	594	nil	293	35	0.69	20	17	255	40	38	31	3.7	35	nd	398	-0.3	0.83
140	Barabanki	Puredalai	8.00	694	nil	244	50	nd	86	39	310	56	41	30	4.5	35	nd	465	-2.2	0.75
141	Barabanki	Dariyabad	8.00	698	nil	403	14	0.3	20	9	310	32	56	31	3.9	40	nd	468	0.4	0.77
142	Barabanki	Banikodar	8.00	536	nil	329	14	0.16	0.9	1.5	220	20	41	32	5.1	37	nd	359	1	0.92
143	Barabanki	Banki	8.10	585	nil	354	14	0.17	0.2	5.3	240	40	34	33	5.4	36	nd	392	1	0.92
144	Barabanki	Masauli	8.20	568	nil	317	14	0.82	0.3	24	240	36	36	29	6.2	28	nd	381	0.4	0.83
145	Barabanki	Harak	8.00	490	nil	281	14	nd	0.2	18	170	40	17	41	8	28	nd	328	1.2	1.38
146	Barabanki	Siddhaur	8.00	458	nil	281	14	0.15	0.3	2.3	210	48	22	18	3.7	34	nd	307	0.4	0.54
147	Barabanki	Mawai	8.10	541	nil	244	43	nd	0.4	33	230	48	27	28	5	35	nd	362	-0.6	0.79
148	Bareilly	Nawabganj	8.24	523	nil	305	7.1	0.67	0.53	7.5	220	48	24	19	5.4	17	nd	350	0.6	0.56
149	Bareilly	Bhadpur	8.23	905	nil	305	71	0.51	55	54	250	32	41	69	54	16	nd	606	0	1.9

133

150	Bareilly	Bhuta	8.17	455	nil	232	14	0.53	0.44	33	170	28	24	27	4.9	16	nd	305	0.4	0.9
151	Bareilly	Fatehganj West	7.95	930	nil	329	106	0.33	1.9	32	280	64	29	88	5.9	16	nd	623	-0.2	2.29
152	Bareilly	Mirganj	8.2	400	nil	195	14	0.74	3	28	150	32	17	24	3.4	16	nd	268	0.2	0.85
153	Bareilly	Shergarh	8.24	504	nil	268	14	0.47	1.9	15	120	32	10	64	4.2	17	nd	338	2	2.54
154	Bareilly	Baheri	7.85	1000	nil	342	92	0.32	65	41	380	52	61	58	9.2	17	nd	670	-2	1.29
155	Bareilly	Richh	8.0	850	nil	195	156	0.31	0.64	45	240	20	46	85	13	13	nd	570	-1.6	2.39
156	Bareilly	Bhojipura	7.71	769	nil	244	71	0.58	56	33	270	48	36	43	5.3	16	nd	515	-1.4	1.14
157	Bareilly	Bithrichainpur	8.22	775	nil	146	156	0.23	0.42	41	220	36	32	73	6.8	20	nd	519	-2	2.14
158	Bareilly	Kiara	7.78	940	nil	451	57	0.37	11	29	310	32	56	73	7.2	17	nd	630	1.2	1.8
159	Bareilly	Majhgawan	8.15	310	nil	171	14	0.41	5.1	4.8	140	40	10	12	2.7	16	nd	208	0	0.44
160	Bareilly	Ramnagar	7.76	1450	nil	403	206	0.32	102	38	450	56	75	90	79	21	nd	972	-2.4	1.84
161	Bareilly	Aalampur	8.21	1235	nil	366	142	0.5	90	41	400	104	34	83	7.1	18	nd	827	-2	1.8
162	Bareilly	Faridpur	7.96	525	nil	317	7.1	0.55	0.36	4.4	200	40	24	33	3.2	19	nd	352	1.2	1.01
163	Basti	Bahadurpur	7.90	690	nil	439	11	0.22	0.26	5.6	250	64	22	59	3.4	27	nd	462	2.2	1.62
164	Basti	Bankati	8.00	351	nil	189	18	0.15	nd	9.5	170	44	15	9	2.2	28	nd	235	-0.3	0.29
165	Basti	basti sadar	8.10	860	nil	378	57	0.12	63	29.8	330	60	44	65	1.9	49	nd	576	-0.4	1.54
166	Basti	Dubauliya	7.90	498	nil	317	7.1	0.2	nd	2.7	250	48	32	10	3.3	34	nd	334	0.2	0.26

167	Basti	Gaur	7.80	463	nil	281	14	0.44	nd	2.3	230	48	27	11	2.6	28	nd	310	0	0.31
168	Basti	Harrariya	8.00	408	nil	244	14	0.15	nd	2.3	170	48	12	23	3.8	30	nd	273	0.6	0.76
169	Basti	Kaptan Ganj	8.10	998	nil	281	177	nd	3.26	30.5	350	80	36	79	5.7	23	nd	669	-2.4	1.83
170	Basti	Kudraha	8.00	453	nil	287	7.1	0.31	0.73	2.7	230	52	24	8	3.2	30	nd	304	0.1	0.23
171	Basti	Parasrampur	7.90	701	nil	329	50	0.23	27.48	19	285	56	35	46	3.3	26	nd	470	-0.3	1.18
172	Basti	Ramnagar	7.90	647	nil	390	21	0.4	nd	2.4	300	36	51	24	4.1	31	nd	433	0.4	0.61
173	Basti	Rudauli	7.90	804	nil	342	64	0.24	nd	60	300	52	41	63	4.2	29	nd	539	-0.4	1.58
174	Basti	Saltaua	8.00	690	nil	439	7.1	0.21	0.14	3.6	250	24	46	59	3.7	32	nd	462	2.2	1.62
175	Basti	Saunghat	8.10	487	nil	305	7.1	0.19	nd	4	240	52	27	12	2.5	33	nd	326	0.2	0.32
176	Basti	Vikramjot	7.90	493	nil	293	14	0.13	0.85	2.1	230	36	34	16	3.5	22	nd	330	0.2	0.45
177	Bijnor	Noorpur	7.95	335	nil	171	18	0.13	nd	15	120	20	17	27	5.3	31	nd	224	0.4	1.07
178	Bijnor	Haldoor	7.70	405	nil	238	7	0.27	0.47	10	180	48	15	13	2.5	32	nd	271	0.3	0.42
179	Bijnor	Kiratpur	7.65	430	nil	195	28	0.08	nd	34	150	32	17	33	6.3	29	nd	288	0.2	1.17
180	Bijnor	Bijnor	7.68	646	nil	183	64	0.22	nd	107	240	36	36	46	12	23	nd	433	-1.8	1.29
181	Bijnor	Seohara	7.68	425	nil	268	7	0.26	nd	4.9	170	44	15	24	3.3	31	nd	285	1	0.8
182	Bijnor	Maniawala	7.92	335	nil	207	11	0.49	nd	nd	160	48	10	8.4	1.1	28	0.21	224	0.2	0.29
183	Bijnor	Najibabad	7.69	565	nil	329	21	0.59	nd	11	210	36	29	46	1.5	27	nd	379	1.2	1.38

184	Bijnor	Kotwali	7.27	1148	nil	329	149	0.26	59	74	370	56	56	100	26	25	nd	769	-2	2.26
185	Bijnor	Nehatoor	7.89	424	nil	226	7	0.21	nd	30	190	52	15	12	3.6	35	nd	284	-0.1	0.38
186	Bijnor	Talilpur	7.86	375	nil	189	7	0.42	nd	40	170	40	17	12	3.8	31	nd	251	-0.3	0.4
187	Bijnor	Dhampur	8.05	565	nil	159	85	0.23	nd	55	180	16	34	58	4.5	24	nd	379	-1	1.88
188	Budaun	Rajpur	8.24	530	nil	317	14	0.72	0.15	6.2	60	12	7.3	101	1	14	nd	355	4	5.67
189	Budaun	Gunnaur	8.05	384	nil	220	7.1	0.51	1	13	180	48	15	6	4.2	15	nd	257	0	0.19
190	Budaun	Junawai	8.04	476	nil	281	7.1	0.67	0.17	7.3	160	36	17	38	3.8	18	nd	319	1.4	1.31
191	Budaun	Dehgawan	8.20	480	nil	268	7.1	0.78	0.22	9	160	32	19	41	2.6	15	nd	322	1.2	1.41
192	Budaun	Sahaswan	8.21	502	nil	293	7.1	0.55	0.19	6.2	180	32	24	30	4.2	15	nd	336	1.2	0.97
193	Budaun	Islamnagar	8.22	400	nil	232	14	0.53	0.17	6.4	170	32	22	16	3.4	14	nd	268	0.4	0.53
194	Budaun	Asafipur	8.12	557	nil	317	14	0.38	0.22	13	130	40	7.3	77	1.8	14	nd	373	2.6	2.94
195	Budaun	Bisauli	8.01	670	nil	354	14	0.48	0.26	25	240	40	34	50	2.7	13	nd	449	1	1.4
196	Budaun	Ambiapur	8.07	617	nil	305	21	0.47	1.7	23	220	32	34	36	5.2	14	nd	413	0.6	1.06
197	Budaun	Wazirganj	8.00	641	nil	317	28	0.56	0.13	22	210	36	29	53	2.2	15	nd	429	1	1.59
198	Budaun	Ujhani	8.02	557	nil	305	7.1	0.7	0.19	11	220	36	32	22	3.2	14	nd	373	0.6	0.64
199	Budaun	Qadarchauk	8.09	685	nil	293	71	0.33	1.1	7.7	210	32	32	68	5.9	16	nd	459	0.6	2.04
200	Budaun	Maon	7.85	619	nil	329	21	0.6	5	22	240	44	32	31	5.6	12	nd	415	0.6	0.87

201	Budaun	Usawan	8.21	975	nil	427	64	0.52	1.2	43	330	56	46	63	2.2	14	nd	653	0.4	1.51
202	Budaun	Dataganj	8.16	664	nil	329	21	0.46	0.24	34	90	20	10	106	2	15	nd	445	3.6	4.86
203	Budaun	Sameer	8.24	286	nil	134	14	0.69	19	4.9	120	40	4.9	12	1.8	17	nd	192	-0.2	0.48
204	Budaun	Jagat	8.03	623	nil	317	14	0.48	0.34	23	170	36	19	67	3.2	15	nd	417	1.8	2.23
205	Budaun	Salapur	8.24	690	nil	305	43	0.47	0.39	24	270	56	32	33	3.9	15	nd	462	-0.4	0.87
206	Buland Shahar	Siyana	7.80	856	nil	256	71	0.29	87	61	260	48	34	85	7.4	36	nd	573	-1	2.3
207	Buland Shahar	B.B nagar	7.80	502	nil	256	18	0.59	3.8	32	180	24	29	41	7.4	29	nd	336	0.6	1.32
208	Buland Shahar	Lakhaoti	7.90	710	nil	378	18	0.77	2.7	42	290	60	34	44	6.2	28	nd	476	0.4	1.12
209	Buland Shahar	Agauta	7.80	1120	nil	610	35	0.82	15	37	190	40	22	193	6	27	nd	750	6.2	6.09
210	Buland Shahar	Unchagaon	7.90	544	nil	165	14	0.22	103	37	250	60	24	9.5	4.5	19	nd	364	-2.3	0.26
211	Buland Shahar	Anup shahar	8.00	940	nil	451	43	0.6	34	54	395	56	62	54	7	39	nd	630	-0.5	1.17
212	Buland Shahar	Jahangirabad	7.80	835	nil	390	35	0.13	30	45	285	36	47	70	8.6	36	nd	559	0.7	1.81
213	Buland Shahar	Shikarpur	7.90	1096	nil	378	128	0.62	11	60	330	56	46	104	7.5	34	nd	734	-0.4	2.49
214	Buland Shahar	Debai	8.00	1515	nil	488	128	0.55	62	119	280	44	41	202	44	26	nd	1015	2.4	5.25
215	Buland Shahar	Danpur	8.10	943	nil	525	14	0.93	51	18	215	32	33	136	7	27	nd	631	4.3	4.02
216	Buland Shahar	Pahasu	8.20	483	nil	226	14	0.18	10	48	200	52	17	25	5.1	31	nd	324	-0.3	0.76
217	Buland Shahar	Khurja	8.00	2393	nil	635	362	0.95	55	186	570	80	90	331	7.4	25	nd	1603	-1	6.02

218	Buland Shahar	Arnia khurd	7.90	680	nil	342	43	0.12	1.5	34	180	44	17	86	5	26	nd	456	2	2.78
219	Buland Shahar	Sikandrabad	8.10	2145	nil	647	248	0.89	114	122	360	32	68	334	30	29	nd	1437	3.4	7.64
220	Buland Shahar	Bulandshahar	8.00	590	nil	281	21	0.56	11	51	210	40	27	51	4.4	27	nd	395	0.4	1.54
221	Buland Shahar	Guloatho	8.00	610	nil	281	35	0.68	5.4	53	250	40	36	37	4.3	26	nd	409	-0.4	1.01
222	Chandauli	Chandauli	8.15	522	nil	177	67	0.43	11	21	190	32	27	41	1.9	31	nd	350	-0.9	1.29
223	Chandauli	Chandauli	8.40	1705	24	317	277	1.1	77	132	380	20	80	240	11	26	nd	1142	-1.6	5.35
224	Chandauli	Chakia	8.20	620	nil	275	53	0.47	3.3	12	220	24	39	48	1.1	29	nd	415	0.1	1.41
225	Chandauli	Barahani	8.10	500	nil	134	74	0.02	1.7	24	190	48	17	24	3.7	25	nd	335	-1.6	0.76
226	Chandauli	Naugarh	8.20	250	nil	134	11	0.14	nd	5.2	115	28	11	3.9	0.4	21	nd	168	-0.1	0.16
227	Chandauli	Dhanapur	8.60	750	36	354	18	0.51	nd	34	200	4	46	98	2.5	25	nd	503	3	3.01
228	Chandauli	Chahania	8.40	560	12	220	43	0.26	14	23	215	16	43	37	4.3	29	nd	375	-0.3	1.1
229	Chandauli	Niyatabad	8.60	562	30	293	3.5	0.31	0.17	8.2	165	8	35	65	3.1	32	nd	377	2.5	2.2
230	Chitrakoot	Karvi	8.12	1200	nil	488	92	0.91	59	35	440	40	83	68	0.82	14	nd	804	-0.8	1.41
231	Chitrakoot	Manikpur	8.07	806	nil	220	92	0.55	40	56	250	80	12	52	21	8.8	nd	540	-1.4	1.43
232	Chitrakoot	Maudaha	8.11	710	nil	366	35	0.91	13	9.2	200	44	22	73	1	12	nd	476	2	2.24
233	Chitrakoot	Pahari	8.21	1500	nil	317	191	0.97	194	62	600	224	10	56	1.8	39	nd	1005	-6.8	0.99
234	Chitrakoot	Ram nagar	8.15	650	nil	354	21	0.5	6.4	4.2	180	52	12	64	1.4	12	nd	436	2.2	2.07

235	Chitrakoot	Karvi hq	8.24	1003	nil	390	85	0.94	61	34	370	16	80	67	0.85	14	nd	672	-1	1.51
236	Deoria	Deoria Sadar	7.99	850	nil	342	71	0.45	0.5	27	290	68	29	55	5.4	40	nd	570	-0.17	1.41
237	Deoria	Gauri Bazar	7.82	890	nil	256	85	0.6	54	49	250	72	17	83	2.7	36	nd	596	-0.79	2.28
238	Deoria	Desai Deoria	7.93	500	nil	183	43	0.75	1.9	21	170	52	9.7	31	1.5	35	nd	335	-0.39	1.03
239	Deoria	Baitalpur	8.17	490	nil	232	21	0.9	0.06	9.1	180	40	19	23	3.5	36	nd	328	0.24	0.75
240	Deoria	Rampur karkhana	7.39	750	nil	281	71	0.6	1.9	24	280	56	34	37	7.4	36	nd	503	-0.98	0.96
241	Deoria	Ratasia kothi	7.60	950	nil	366	71	0.7	27	26	380	92	36	39	1.2	40	nd	637	-1.55	0.87
242	Deoria	Lar Road	7.72	770	nil	281	57	0.65	35	26	300	84	22	34	0.8	44	nd	516	-1.40	0.85
243	Deoria	Bhagalpur	7.97	310	nil	159	7.1	1.2	nd	3.8	130	40	7.3	6.7	2.7	29	nd	208	0.01	0.26
244	Deoria	Barhaj	7.81	740	nil	281	71	0.9	6.2	21	280	64	29	37	1.5	31	nd	496	-0.97	0.96
245	Deoria	Salempur	7.61	910	nil	366	71	0.8	19	29	300	64	34	60	1.9	40	nd	610	0.01	1.51
246	Deoria	Bhatpar Rani	7.94	480	nil	244	21	0.45	nd	3.3	150	32	17	33	2.7	39	nd	322	1.00	1.17
247	Deoria	Bhatani	7.68	1425	nil	293	213	0.24	53	108	460	92	56	106	2.3	36	nd	955	-4.39	2.15
248	Etah	Aliganj	8.57	1920	48	293	114	0.96	55	400	350	40	61	250	45	30	nd	1286	-0.6	5.8
249	Etah	Awagarh	8.67	900	24	354	28	1.2	27	40	230	32	36	96	4.8	31	nd	603	2	2.8
250	Etah	Jaithara	8.68	970	36	427	14	1.4	6.5	20	170	20	29	140	1.4	28	nd	650	4.8	4.7
251	Etah	Jalesar	8.55	2000	36	488	156	1.4	2.2	250	440	24	92	245	5.9	35	nd	1340	0.4	5.1

252	Etah	Marhara	8.27	680	nil	159	92	0.22	13	41	250	24	46	30	5.7	37	nd	456	-2.4	0.8
253	Etah	Nidholi kalan	8.88	800	48	281	36	0.88	3.5	14	290	24	56	42	4.8	36	nd	536	0.4	1.1
254	Etah	Sakeet	8.79	2760	48	451	256	0.77	110	400	350	12	78	450	30	31	nd	1849	2	10.4
255	Etah	Sheetalpur	8.53	720	24	305	21	0.47	28	7.4	150	24	22	87	3.7	35	nd	482	2.8	3.1
256	Etah	Etah	8.53	2600	48	451	355	0.69	44	250	325	36	57	440	5.8	31	nd	1742	2.5	10.6
257	Etawa	Barhpura	7.70	780	nil	335.6	74	0.25	35	7.1	250	52	29	71	3.3	31	nd	523	0.5	1.95
258	Etawa	Basrehar	7.90	645	nil	305.1	28	0.72	8.2	44	210	36	29	63	5.4	28	nd	432	0.8	1.89
259	Etawa	Bhartana	8.00	920	nil	549.1	21	1	1.9	10	250	28	44	104	4.9	24	nd	616	4	2.86
260	Etawa	Chakkar Nagar	8.35	770	6	433.2	14	0.46	22	4.3	190	28	29	98	3.7	30	nd	516	3.5	3.09
261	Etawa	Jaswant Nagar	7.90	725	nil	329.5	50	0.51	18	34	215	32	33	82	4	27	nd	486	1.1	2.43
262	Etawa	Mahewa	8.10	625	nil	366.1	7.1	0.79	9.7	24	240	32	39	46	4.5	26	nd	419	1.2	1.29
263	Etawa	Saifai	8.78	547	18	274.5	7.1	1.5	0.4	23	170	12	34	55	7.2	28	nd	366	1.7	1.83
264	Faizabad	Amani ganj	8.20	506	nil	256	28	0.1	3.9	21	190	32	27	39	4	26	nd	339	0.4	1.23
265	Faizabad	Bikapur	8.00	592	nil	329	21	0.41	0.26	17	260	52	32	28	4.4	30	nd	397	0.2	0.74
266	Faizabad	Harrington ganj	7.90	342	nil	195	14	0.13	0.16	5.6	170	44	15	8.1	1.9	29	nd	229	-0.2	0.27
267	Faizabad	Masodha	8.00	310	nil	159	14	0.21	0.1	20	155	40	13	6.3	2.5	24	nd	208	-0.5	0.22
268	Faizabad	Maya Bazar	7.90	322	nil	183	7.1	0.29	0.09	18	160	32	19	5.9	3.3	24	nd	216	-0.2	0.2

269	Faizabad	Milkipur	8.00	506	nil	317	7.1	nd	0.19	3.1	190	16	36	38	5.8	28	nd	339	1.4	1.19
270	Faizabad	Pura Bazar	8.00	476	nil	281	14	0.01	7.9	7.7	220	38	30	17	3.3	27	nd	319	0.2	0.51
271	Faizabad	Sohawal	8.10	504	nil	281	21	nd	0.28	14	230	36	34	21	4.1	28	nd	338	0	0.59
272	Faizabad	Tarun	7.90	823	nil	329	71	nd	12.1	68	310	56	41	64	3.8	29	nd	551	-0.8	1.59
273	Faizabad	Rudauli	8.10	458	nil	220	21	0.08	10.8	31	220	44	27	14	2.4	20	nd	307	-0.8	0.41
274	Faizabad	Faizabad city	7.78	808	nil	378	57	0.01	25	27	330	52	49	51	5.1	25	nd	541	-0.4	1.22
275	Farrukhabad	Barhpur	8.29	850	nil	366	50	0.38	14	30	310	16	66	47	3.8	39	nd	570	-0.2	1.2
276	Farrukhabad	Kamalganj	8.13	1900	nil	183	355	0.12	180	140	390	84	44	245	6.71	36	nd	1273	-4.8	5.4
277	Farrukhabad	Kayamganj	8.43	580	24	232	14	0.33	2.7	17	200	56	15	33	4	35	nd	389	0.6	1
278	Farrukhabad	Mohammdabad	8.54	940	36	183	142	0.48	24	29	330	32	61	60	3.1	39	nd	630	-2.4	1.4
279	Farrukhabad	Nawabganj	8.35	620	12	293	21	0.44	nd	7.4	210	48	22	35	4	33	nd	415	1	1
280	Farrukhabad	Rajepur	8.70	1340	36	415	64	2	nd	140	150	16	27	230	8.5	30	nd	898	5	8.1
281	Farrukhabad	Shamsabad	8.11	480	nil	195	36	0.13	11	15	160	40	15	29	4.5	41	nd	322	0	1
282	Farrukhabad	Fatehgarh	8.41	520	36	183	14	0.71	nd	19	220	48	24.3	11	3.3	38	nd	348	-0.2	0.3
283	Fatehpur	Airayan	8.01	1403	nil	451	184	0.62	41	44	410	60	63	118	8.4	15	nd	940	-0.8	2.53
284	Fatehpur	Amauli	8.15	925	nil	439	43	0.54	31	31	350	44	58	53	3.7	19	nd	620	0.2	1.23
285	Fatehpur	Asother	7.86	1125	nil	427	92	3.3	19	63	320	56	44	97	16	14	nd	754	0.6	2.36

286	Fatehpur	Bahua	7.84	1550	nil	415	248	0.36	43	52	631	112	85	66	6.4	18	nd	1039	-5.8	1.14
287	Fatehpur	Bhitaura	8.21	675	nil	366	21	0.91	5.8	7.6	240	40	34	42	6.3	17	nd	452	1.2	1.18
288	Fatehpur	Demai	8.22	830	nil	342	71	0.83	1.8	44	320	32	58	41	2	17	nd	556	-0.8	1
289	Fatehpur	Dhata	8.24	540	nil	244	35	0.65	17	9.1	160	16	29	55	2.1	18	nd	362	0.8	1.89
290	Fatehpur	Haswa	8.21	520	nil	293	14	0.89	0.45	4.7	190	32	27	30	5.8	16	nd	348	1	0.95
291	Fatehpur	Hathgaon	8.22	663	nil	293	50	0.89	0.19	17	250	40	36	22	18	14	nd	444	-0.2	0.6
292	Fatehpur	Khuajuha	8.23	513	nil	244	43	0.99	0.39	2.1	200	24	34	25	4.4	15	nd	344	0	0.77
293	Fatehpur	Malwan	8.21	620	nil	342	14	3.2	0.42	11	180	20	32	58	5.6	16	nd	415	2	1.88
294	Fatehpur	Teiyani	8.24	887	nil	488	14	2.9	8.5	24	210	16	41	102	5.6	14	nd	594	3.8	3.06
295	Fatehpur	Vijayeepur	8.23	551	nil	281	14	2.8	5	17	230	44	29	18	2.5	17	nd	369	0	0.52
296	Fatehpur	Fatehpur hq	8.24	898	nil	488	28	2.4	11	10	320	28	61	57	2.7	18	nd	602	1.6	1.39
297	Ferozabad	Araon	8.17	420	nil	220	14	0.42	nd	2.2	150	28	19.5	19	5.7	39	nd	281	0.6	0.7
298	Ferozabad	Eka	8.07	415	nil	207	7.1	0.04	0.5	14	150	32	17	14	5.8	29	nd	278	0.4	0.5
299	Ferozabad	Firozabad	7.99	720	nil	293	36	0.04	43	21	250	44	34	39	5.5	42	nd	482	-0.2	1.1
300	Ferozabad	Jasrana	7.90	490	nil	195	21	0.22	26	25	180	48	15	22	4.7	39	nd	328	-0.4	0.7
301	Ferozabad	Khairgarh (hathwant)	8.13	420	nil	207	7.1	0.28	nd	15	160	36	17	13	4.3	38	nd	281	0.2	0.4
302	Ferozabad	Madanpur	8.00	1130	nil	293	156	0.19	nd	91	240	48	29	120	26	38	nd	757	0	3.4

303	Ferozabad	Narkhi	8.02	740	nil	220	64	0.8	52	48	250	56	27	46	4.9	40	nd	496	-1.4	1.3
304	Ferozabad	Shikohabad	7.89	1280	nil	293	241	0.06	nd	49	440	64	68	77	7.5	36	nd	858	-4	1.6
305	Ferozabad	Tundla	8.18	420	nil	183	21	0.54	nd	13	140	40	10	23	3.9	39	nd	281	0.2	0.8
306	G B Nagar	Jewar	7.90	1603	nil	549	191	0.98	14	120	230	28	39	293	4.4	30	nd	1074	4.4	8.41
307	G B Nagar	Dankaur	8.00	1528	nil	671	85	2.04	9.4	140	170	24	27	304	5.7	25	nd	1024	7.6	10.1
308	G B Nagar	Bisrakh	8.10	880	nil	476	21	1.02	0.5	43	50	4	10	196	2.5	19	nd	590	6.8	12
309	G B Nagar	Dadri	8.20	895	nil	427	35	0.68	22	62	260	32	44	99	8	28	nd	600	1.8	2.66
310	Ghazipur	Barachawar	7.98	405	nil	244	14	nd	nd	21	135	24	18	47	3.4	43	nd	271	1.32	1.77
311	Ghazipur	Bhadaura	8.00	403	nil	171	43	0.36	nd	26	135	28	16	41	2.5	42	nd	270	0.09	1.53
312	Ghazipur	Bhawarkol	7.97	450	nil	293	14	0.24	3.8	1.6	170	28	24	44	1.4	53	nd	302	1.43	1.47
313	Ghazipur	Birno	8.02	433	nil	232	14	0.2	nd	2.6	105	16	16	50	2.7	54	nd	290	1.69	2.11
314	Ghazipur	Deokali	8.01	645	nil	256	64	0.4	13	19	160	8	34	79	2.2	46	nd	432	1.00	2.72
315	Ghazipur	Ghazipur	8.00	904	nil	427	43	0.81	1.86	30	260	12	55	83	3.4	37	nd	606	1.88	2.26
316	Ghazipur	Jakhaniya	7.78	688	nil	207	14	0.38	nd	106	155	16	28	70	5	41	nd	461	0.29	2.44
317	Ghazipur	Jamania	8.03	660	nil	305	50	0.57	14	10	185	36	13	63	2	48	nd	442	2.13	2.29
318	Ghazipur	Karanda	7.81	600	nil	317	21	nd	2	2.4	165	48	11	56	4.8	42	nd	402	1.90	1.9
319	Ghazipur	Kasimabad	7.90	573	nil	329	14	nd	nd	2.7	185	20	32	49	2.1	47	nd	384	1.76	1.58

320	Ghazipur	Manihari	8.00	1077	nil	403	149	0.52	0.26	49	330	28	62	127	3.7	39	nd	722	0.11	3.06
321	Ghazipur	Mardah	8.00	1185	nil	488	64	0.68	28	50	235	24	42	140	3.8	43	nd	794	3.35	3.99
322	Ghazipur	Muhammadabad	7.98	954	nil	464	43	nd	nd	19	280	44	41	80	4.3	104	nd	639	2.04	2.08
323	Ghazipur	Reotipur	8.04	603	nil	342	14	nd	nd	6.7	230	68	14	34	3.2	37	nd	404	1.06	0.98
324	Ghazipur	Sadat	7.77	490	nil	354	14	0.28	nd	2.7	225	28	37	49	4.8	57	nd	328	1.36	1.43
325	Ghazipur	Saidpur	7.83	1884	nil	378	376	0.15	26	146	670	72	118	157	2	91	nd	1262	-7.10	2.65
326	Gonda	Katra bazar	8.22	525	nil	305	7.1	0.28	0.11	2	180	36	22	40	3.6	30	nd	352	1.4	1.28
327	Gonda	Rupaideeh	8.23	375	nil	220	7.1	0.23	0.05	1.7	170	52	10	9.9	2.1	28	nd	251	0.2	0.33
328	Gonda	Belsar	7.90	704	nil	366	42.6	0.18	0.19	21.1	320	68	36	28	4.4	22	nd	472	-0.4	0.68
329	Gonda	Bhabhanjot	8.00	463	nil	293	7.1	0.27	nd	2.5	190	48	17	28	2.9	30	nd	310	1	0.89
330	Gonda	Chhapiya	8.10	740	nil	354	63.8	0.22	0.86	15.3	260	60	27	64	4.6	34	nd	496	0.6	1.74
331	Gonda	Colonel ganj	7.90	610	nil	366	7.1	0.15	0.35	20.9	270	68	24	28	4.8	33	nd	409	0.6	0.75
332	Gonda	Haldharmau	7.90	555	nil	342	18	nd	0.27	3.3	260	64	24	19	5.1	24	nd	372	0.4	0.51
333	Gonda	Itiyathok	8.00	568	nil	354	11	0.25	nd	1.7	260	68	22	22	3	29	nd	381	0.6	0.58
334	Gonda	jJhanjhari	7.80	1016	nil	439	64	0.47	49	52	450	72	66	48	0.9	43	nd	681	-1.8	0.99
335	Gonda	Mankapur	7.90	736	nil	390	43	0.28	1.49	14.2	350	76	39	23	2.9	30	nd	493	-0.6	0.54
336	Gonda	Mujehna	8.00	480	nil	305	7.1	0.23	nd	2.2	200	56	15	27	3.1	29	nd	322	1	0.83

337	Gonda	Nawab ganj	8.10	575	nil	329	21	nd	0.18	11	290	84	19	9.3	4.6	17	nd	385	-0.4	0.24
338	Gonda	Padrikripal	8.00	578	nil	354	14	0.56	nd	7.5	240	52	27	33	3.9	29	nd	387	1	0.94
339	Gonda	Paraspur	7.90	564	nil	354	7.1	0.11	0.33	3	220	52	22	39	4.6	31	nd	378	1.4	1.15
340	Gonda	Tarabganj	7.80	1013	nil	390	78	nd	79.86	48.2	390	52	63	67	17	27	nd	679	-1.4	1.48
341	Gonda	Wazir ganj	7.70	335	nil	201	11	0.28	nd	2.6	170	40	17	5	2.6	29	nd	224	-0.1	0.17
342	Gorakhpur	Kauriram	7.11	1200	nil	439	121	0.49	17	46	420	68	61	67	3.9	35	nd	804	-1.21	1.42
343	Gorakhpur	Urwa bazar	7.10	1220	nil	342	170	0.43	52	33	460	40	88	58	5.8	37	nd	817	-3.63	1.17
344	Gorakhpur	Campierganj	7.22	1030	nil	427	78	0.56	12	35	380	136	9.7	53	3.5	34	nd	690	-0.59	1.18
345	Gorakhpur	Jagdishpur-i	7.15	1360	nil	427	178	0.44	0.6	70	400	52	66	120	1.9	28	nd	911	-1.02	2.61
346	Gorakhpur	Gorakhpur new	7.44	800	nil	366	43	0.98	12	16	280	76	22	51	0.3	47	nd	536	0.40	1.32
347	Gorakhpur	Maniram	7.38	1370	nil	451	142	0.69	53	48	500	108	56	81	0.4	39	0.1	918	-2.60	1.58
348	Gorakhpur	Tola bhawan bari	7.37	840	nil	281	71	0.89	43	36	300	52	41	51	0.14	50	nd	563	-1.36	1.28
349	Gorakhpur	Geruababu	7.67	550	nil	281	21	0.52	nd	3.8	240	56	24	10	2.7	36	nd	369	-0.16	0.28
350	Gorakhpur	Mehra	7.22	1130	nil	354	128	0.42	38	47	440	72	63	50	3.1	36	nd	757	-2.97	1.04
351	Gorakhpur	Du bauli	7.19	670	nil	329	28	0.36	nd	11	270	48	36	18	2.7	35	nd	449	0.04	0.48
352	Gorakhpur	Belipar	7.05	650	nil	342	21	0.25	nd	3.4	250	56	27	23	2.7	30	nd	436	0.59	0.63
353	Gorakhpur	Bharohia	7.17	850	nil	366	50	0.21	19	27	260	64	24	63	8.9	34	nd	570	0.83	1.7

354	Gorakhpur	Belghat	7.4	700	nil	317	43	0.16	8.7	10	310	40	51	9.9	2.7	38	nd	469	-0.99	0.24
355	Gorakhpur	Gagha	8.54	300	12	122	14	0.95	0.16	3.3	110	20	15	11	3.9	33	nd	201	0.17	0.45
356	Gorakhpur	Chauri chaura	8.28	720	nil	281	43	0.7	14	51	190	48	17	75	0.8	27	nd	482	0.81	2.37
357	Gorakhpur	Sahjanwa	8.25	950	nil	256	107	0.5	0.5	104	300	72	29	71	3.1	36	nd	637	-1.78	1.79
358	Gorakhpur	Bathat	8.28	520	nil	146	64	0.65	0.2	29	160	44	12	37	7	30	nd	348	-0.79	1.28
359	Hamirpur	Gohand	8.12	401	nil	207	14	0.68	4.4	3.9	60	12	7	63	4.7	3.5	nd	269	2.2	3.54
360	Hamirpur	Kurara	8.21	614	nil	342	21	0.68	5.3	6.2	140	28	17	78	1.6	13	nd	411	2.8	2.87
361	Hamirpur	Maudaha	8.14	5745	nil	793	1142	0.83	700	82	590	20	131	1011	1.5	15	nd	3849	1.2	18.1
362	Hamirpur	Muskara	8.21	1263	nil	549	106	0.79	28	26	520	40	102	49	1.5	17	nd	846	-1.4	0.93
363	Hamirpur	Rath	8.02	1750	nil	525	121	0.85	140	132	140	40	10	346	1.1	19	nd	1173	5.8	12.7
364	Hamirpur	Sareela	8.01	4300	nil	525	1113	0.52	0.57	81	620	88	97	719	3.5	11	nd	2881	-3.8	12.6
365	Hamirpur	Sumerpur	8.22	1313	nil	512	121	0.79	29	41	220	44	27	214	1.7	16	nd	880	4	6.27
366	Hardoi	Bilgram	7.90	552	nil	317	14	0.83	1.3	9.2	210	36	29	35	6	30	nd	370	1	1.05
367	Hardoi	Bavan	8.05	515	nil	268	21	0.32	1.2	26	225	56	21	24	4.3	16	nd	345	-0.1	0.7
368	Hardoi	Behdar Khurd	8.16	700	nil	378	21	0.36	0.14	40	200	24	34	83	4.3	25	nd	469	2.2	2.55
369	Hardoi	Bharawan	8.20	565	nil	329	7.1	0.72	0.58	11	240	44	32	26	4.3	26	nd	379	0.6	0.73
370	Hardoi	Bharkhani	7.88	606	nil	293	28	0.95	nd	46	250	60	24	36	4.1	29	nd	406	-0.2	0.99

371	Hardoi	Harpalpur	8.20	1500	nil	342	113	0.45	nd	366	225	40	30	276	3.3	22	nd	1005	1.1	8
372	Hardoi	Hariyawan	8.10	620	nil	299	21	0.9	nd	7.8	245	44	32.83	20	4.4	19	nd	415	0	0.56
373	Hardoi	Kachhauna	8.18	500	nil	268	11	1	0.62	2.6	205	52	18	15	5.5	27	nd	335	0.3	0.46
374	Hardoi	Kothawan	8.20	360	nil	183	7.1	0.4	nd	20	165	40	16	5.7	3.2	21	nd	241	-0.3	0.19
375	Hardoi	Mallawan	8.05	855	nil	403	71	0.35	nd	27	350	48	56	41	7.9	27	nd	573	-0.4	0.95
376	Hardoi	Madhavganj	8.35	445	24	183	14	0.23	1.6	9.3	150	24	22	32	3.9	24	nd	298	0.8	1.14
377	Hardoi	Pihani	8.10	665	nil	354	32	0.43	4.8	12	270	36	44	37	7.9	28	nd	446	0.4	0.98
378	Hardoi	Shahabad	8.05	430	nil	207	21	1.1	nd	20	175	36	21	22	4.8	20	nd	288	-0.1	0.72
379	Hardoi	Sandi	8.15	1378	nil	171	142	0.47	208	200	460	72	68	104	11	16	nd	923	-6.4	2.11
380	Hardoi	Sandila	8.19	525	nil	275	21	0.02	2.3	5.1	205	32	30	28	3.6	26	nd	352	0.4	0.85
381	Hardoi	Tadiyawan	8.17	555	nil	238	43	0.14	nd	30	205	28	33	39	4.2	27	nd	372	-0.2	1.18
382	Hardoi	Ahirori	8.10	458	nil	268	7.1	0.51	nd	5.7	200	44	22	17	4.3	29	nd	307	0.4	0.52
383	Hathras	Sikandra rao	7.90	430	nil	207	14	0.89	0.3	39	160	36	17	31	4.6	24	nd	288	0.2	1.06
384	Hathras	Sasni	8.00	1407	nil	610	92	0.93	4.8	121	240	44	32	243	5	26	nd	943	5.2	6.83
385	Hathras	Hassain	7.90	696	nil	305	50	0.64	4.8	44	150	28	19	79	46	26	nd	466	2	2.8
386	Hathras	Mursan	7.70	3856	nil	635	660	0.96	45	497	721	80	126	608	9.7	28	nd	2584	-4	9.86
387	Hathras	Hathras	7.80	1801	nil	671	163	0.89	24	153	485	28	101	207	42	31	nd	1207	1.3	4.09

388	Hathras	Sadabad	8.00	2200	nil	952	149	2.88	13	191	240	36	36	448	4.5	26	nd	1474	10.8	12.6
389	Hathras	Sahpau	8.20	720	nil	366	43	0.56	0.3	39	230	32	36	74	6.4	29	nd	482	1.4	2.13
390	J.P.Nagar	Dhanaura	7.50	891	nil	232	117	0.06	nd	128	290	56	36	78	10	22	nd	597	-1.997	1.99
391	J.P.Nagar	Amroha	7.16	1091	nil	244	135	0.2	37	111	370	64	51	76	6.5	30	nd	731	-3.4	1.72
392	J.P.Nagar	Joya	7.11	1270	nil	293	128	0.25	123	105	380	68	51	94	21	30	nd	851	-2.8	2.1
393	J.P.Nagar	Hasanpur	7.60	700	nil	146	74	0.09	69	48	240	44	32	44	4.8	32	nd	469	-2.4	1.23
394	J.P.Nagar	Gangeswari	8.02	410	nil	232	7	0.2	nd	25	80	12	12	65	3.7	33	nd	275	2.2	3.16
395	J.P.Nagar	Gajraula	8.09	580	nil	171	50	0.38	nd	96	260	60	27	24	4.1	31	nd	389	-2.4	0.65
396	Jalaun	Dakor	7.60	910	nil	476	35	1.4	12	13	200	24	34	115	1.4	25	nd	610	3.8	3.54
397	Jalaun	Jalaun	7.50	1010	nil	598	14	0.5	5	4.2	150	32	17	175	1.4	30	nd	677	6.8	6.21
398	Jalaun	Konch	7.60	1000	nil	403	78	0.4	47	24	320	68	36	75	2.2	32	nd	670	0.2	1.82
399	Jalaun	Kadaura	7.50	1495	nil	598	142	0.67	5.7	65	320	44	51	195	1.7	23	nd	1002	3.4	4.74
400	Jalaun	Rampura	7.70	963	nil	451	71	0.29	nd	24	350	76	39	55	2.2	31	nd	645	0.4	1.28
401	Jalaun	Kuthond	7.50	725	nil	403	21	0.49	7.7	3.7	190	40	22	76	2.5	29	nd	486	2.8	2.4
402	Jalaun	Mahewa	7.40	2364	nil	732	298	0.3	188	74	370	36	68	375	2.1	35	nd	1584	4.6	8.48
403	Jaunpur	Rampur	8.80	1193	72	378	92	0.81	5	70	220	12	46	175	34	27	nd	799	4.20	5.13
404	Jaunpur	Shahganj	8.60	565	36	183	43	0.18	3.3	25	145	8	30	71	6.2	27	nd	379	1.33	2.58

405	Jaunpur	Khuthan	8.65	486	36	195	14	0.39	9.4	6.6	150	8	32	48	5.1	30	nd	326	1.37	1.7
406	Jaunpur	Kerakat	8.95	1190	84	451	57	0.53	16	31	180	8	39	210	4.1	31	nd	797	6.59	6.8
407	Jaunpur	Dhobi	8.70	740	36	293	35	0.38	25	24	210	8	46	88	3.6	32	nd	496	1.82	2.65
408	Jaunpur	Barsathi	8.60	398	36	159	14	0.14	nd	3.5	150	8	32	29	4.6	28	nd	267	0.78	1.02
409	Jaunpur	Muftiganj	8.80	640	48	232	25	0.22	3.2	26	250	8	56	42	3.5	29	nd	429	0.40	1.15
410	Jaunpur	Jalalpur	9.10	1422	132	427	99	1	15	46	350	4	83	187	2.6	25	nd	953	4.40	4.35
411	Jaunpur	Shahganj	8.70	400	36	146	7.1	0.12	nd	3.6	140	8	29	25	4.5	26	nd	268	0.79	0.92
412	Jaunpur	Seothakalan	8.60	435	36	183	7.1	0.01	0.32	14	150	8	32	37	5.4	29	nd	291	1.20	1.31
413	Jaunpur	Dharnapur	8.80	695	60	293	21	0.05	3.2	6.8	250	8	56	59	4.7	29	nd	466	1.80	1.62
414	Jaunpur	Badalapur	8.39	920	60	342	7.1	0.46	nd	57	240	12	51	96	3.1	31	nd	616	2.81	2.7
415	Jaunpur	Mungara Badshahpur	8.36	690	84	220	7.1	0.89	nd	4.3	200	8	44	58	3.5	30	nd	462	2.39	1.78
416	Jaunpur	Maharajganj	7.55	660	nil	354	14	0.62	1.2	2.4	240	24	44	36	4.7	37	nd	442	0.99	1.01
417	Jaunpur	MachhaliSahar	8.10	2320	nil	671	142	2.85	8.7	360	350	24	71	368	2.3	21	nd	1554	3.96	8.53
418	Jaunpur	Buxa	7.47	1250	nil	317	206	0.28	12	58	460	16	102	70	4.7	32	nd	838	-3.99	1.42
419	Jaunpur	Sigra Mau	7.81	1450	nil	427	192	0.52	41	58	470	20	102	101	3.1	33	nd	972	-2.39	2.03
420	Jaunpur	Sujanganj	7.98	820	nil	427	28	0.55	nd	5.8	230	20	44	77	4.3	30	nd	549	2.38	2.2
421	Jaunpur	Rampur	8.44	1600	96	573	43	1	31	72	80	20	7.3	322	1.9	22	0.11	1072	10.99	15.7

422	Jhansi	Gursarai	7.40	3330	nil	439	709	0.65	185	220	901	112	151	350	2.5	35	nd	2231	-10.8	5.07
423	Jhansi	Chirgaon	7.70	810	nil	427	35	0.89	6.2	12	230	44	29	78	2.1	23	nd	543	2.4	2.24
424	Jhansi	Badagaon	7.50	820	nil	354	57	0.32	19	31	250	96	2.4	53	29	65	0.28	549	0.8	1.46
425	Jhansi	Bangra	7.10	1040	nil	232	156	0.41	82	48	375	104	28	63	0.59	41	nd	697	-3.7	1.41
426	Jhansi	Mauranipur	7.20	503	nil	256	21	0.54	16	7.7	180	52	12	34	0.65	31	nd	337	0.6	1.1
427	Jhansi	Bamaur	7.30	5437	nil	549	869	0.86	710	510	1701	160	316	440	2.9	32	nd	3643	-25	4.64
428	Jhansi	Babina	7.50	482	nil	207	28	0.55	20	15	130	52	nd	56	0.67	39	nd	323	0.8	2.14
429	Jhansi	Moth	7.40	1414	nil	439	170	0.23	78	58	500	44	95	90	3.4	29	nd	947	-2.8	1.75
430	Kannauj	Chhibramau	8.26	500	nil	232	21	0.52	nd	18	170	28	24	27	4.6	38	nd	335	0.4	0.9
431	Kannauj	Gugrapur	8.40	500	36	171	14	0.24	nd	14	210	36	29	13	3.2	34	nd	335	-0.2	0.4
432	Kannauj	Haseran	8.23	800	nil	378	21	0.97	6.4	44	170	28	24	95	5.9	37	nd	536	2.8	3.2
433	Kannauj	Jalalabad	8.38	3400	24	549	241	0.77	35	750	290	24	56	640	5.3	36	nd	2278	4	16.3
434	Kannauj	Kannauj	8.53	770	36	220	21	0.53	nd	100	190	24	32	76	7.3	37	nd	516	1	2.4
435	Kannauj	Saurikh	8.01	650	nil	207	50	0.02	42	41	210	52	19	44	6.3	43	nd	436	-0.8	1.3
436	Kannauj	Talgram	8.11	530	nil	268	14	0.17	nd	11	160	32	19	42	4.9	38	nd	355	1.2	1.5
437	Kannauj	Umarda	8.08	1060	nil	317	92	0.42	100	48	310	40	51	87	6.9	42	nd	710	-1	2.2
438	Kanpur Dehat	Amraudha	7.30	3033	nil	219.6	418	0.17	670	150	1321	192	204	94	7.4	29	nd	2032	-22.8	1.12

439	Kanpur Dehat	Akbarpur	7.80	2210	nil	610.1	234	0.46	60	230	390	44	68	219	217	25	nd	1481	2.2	4.82
440	Kanpur Dehat	Derapur	7.80	1300	nil	427.1	135	0.54	48	78	410	48	71	108	4.1	33	nd	871	-1.2	2.32
441	Kanpur Dehat	Jhinjhak	8.30	702	12	378.3	21	0.69	nd	21	250	36	39	60	3.5	29	nd	470	1.6	1.65
442	Kanpur Dehat	Maitha	8.35	925	18	457.6	50	0.4	nd	6.5	110	16	17	168	1.5	23	nd	620	5.9	6.96
443	Kanpur Dehat	Malasa	7.83	846	nil	439.3	50	0.57	nd	24	260	32	44	92	6.3	31	nd	567	2	2.48
444	Kanpur Dehat	Rajpur	7.95	727	nil	390.5	21	0.84	6.3	25	230	24	41	70	4.3	23	nd	487	1.8	2.01
445	Kanpur Dehat	Rasoolabad	8.10	827	nil	439.3	43	0.61	7.5	20	310	36	54	60	6.9	28	nd	554	1	1.48
446	Kanpur Nagar	Bhitargaon	8.45	615	9	305.1	21	0.71	15	18	200	24	34	56	2.2	33	nd	412	1.3	1.72
447	Kanpur Nagar	Bidhnoo	8.20	811	nil	329.5	78	0.69	29	31	320	28	61	46	6.2	31	nd	543	-1	1.12
448	Kanpur Nagar	Bilhaur	8.20	547	nil	305.1	14	0.67	0.5	9.3	190	20	34	40	4.8	35	nd	366	1.2	1.26
449	Kanpur Nagar	Chaubepur	8.16	723	nil	451.5	14	0.8	nd	7.2	240	24	44	71	5.8	33	nd	484	2.6	1.99
450	Kanpur Nagar	Ghatampur	7.99	668	nil	366.1	14	0.58	3.6	32	260	36	41	48	3.2	35	nd	448	0.8	1.29
451	Kanpur Nagar	Kakwan	8.40	705	12	329.5	14	3.1	nd	54	220	40	29	70	6.2	28	nd	472	1.4	2.05
452	Kanpur Nagar	Kalyanpur	8.04	890	nil	414.9	50	0.46	29	44	300	28	56	76	6.2	31	nd	596	0.8	1.91
453	Kanpur Nagar	Patara	8.10	1247	nil	390.5	149	0.42	29	75	410	20	88	105	4.6	32	nd	835	-1.8	2.25
454	Kanpur Nagar	Sarsaul	8.20	815	nil	378.3	57	0.98	12	31	280	20	56	68	5.1	28	nd	546	0.6	1.77
455	Kanpur Nagar	Shivrajpur	7.80	945	nil	292.8	135	0.62	17	33	380	32	73	36	17	30	nd	633	-2.8	0.8

456	Kanshiram Nagar	Amanpur	8.23	445	nil	231.8	7.1	0.81	10	2	160	36	17	22	2.7	42	nd	298	0.6	0.8
457	Kanshiram Nagar	Ganj dundwara	8.46	2130	84	414.8	199	3.5	63	200	200	12	41	390	7.7	32	nd	1427	5.6	12
458	Kanshiram Nagar	Kasganj	8.13	612	nil	341.6	14	0.4	nd	1.7	180	28	27	52	5.8	40	nd	410	2	1.7
459	Kanshiram Nagar	Patiyali	8.53	985	48	366	36	2.5	1.8	46	230	32	36	110	5.8	33	nd	660	3	3.2
460	Kanshiram Nagar	Sahawar	8.31	585	nil	292.8	21	0.53	nd	14	160	24	24	52	4.2	33	nd	392	1.6	1.8
461	Kanshiram Nagar	Sidhpura	8.15	600	nil	280.6	28	0.43	nd	18	150	24	22	60	5.8	39	nd	402	1.6	2.1
462	Kanshiram Nagar	Soron	8.42	780	48	292.8	21	1.6	3.5	25	240	48	29	60	5.7	41	nd	523	1.6	1.7
463	Kausambi	Chail	7.53	520	nil	244	21	0.54	5	9.6	210	44	24	18	2.7	36	nd	348	-0.17	0.54
464	Kausambi	Kausambi	7.99	1165	nil	464	78	0.95	68	30	180	28	27	180	1.6	27	nd	781	3.99	5.82
465	Kausambi	Sarsawan	7.67	550	nil	281	14	0.75	9.9	6.7	210	36	29	25	4.7	37	nd	369	0.42	0.75
466	Kausambi	Sirathu	8.07	910	nil	390	71	0.71	8	23	290	16	61	67	1.9	32	nd	610	0.58	1.71
467	Kausambi	Muratganj	7.99	685	nil	342	28	0.98	3.7	6.7	200	16	39	61	1.5	35	nd	459	1.6	1.87
468	Kausambi	Kara	7.79	1500	nil	488	128	0.85	161	4.3	300	24	58	184	31	33	nd	1005	2.03	4.63
469	Kausambi	Manjhanpur	7.64	770	nil	378	28	0.66	19	6.2	270	40	41	45	7.4	34	nd	516	0.83	1.19
470	Kausambi	Newada	7.62	600	nil	293	21	0.99	12	9.1	230	16	46	25	3.1	34	nd	402	0.22	0.72
471	Kushinagar	Captainganj	7.82	385	nil	195	14	0.4	nd	4.8	150	40	12	13	2.7	36	nd	258	0.21	0.46
472	Kushinagar	Kasia1	7.69	1130	nil	305	178	0.38	30	21	320	52	46	106	3.5	26	nd	757	-1.38	2.58

473	Kushinagar	Rambar	8.13	450	nil	195	14	0.12	15	24	190	52	15	7.1	7	21	nd	302	-0.63	0.22
474	Kushinagar	Naurangia	8.01	1340	nil	561	71	0.16	0.6	100	450	108	44	59	61	32	0.05	898	0.19	1.21
475	Kushinagar	Khadda	7.74	1382	nil	427	121	0.22	nd	154	480	52	85	84	7	38	nd	926	-2.59	1.67
476	Kushinagar	Bishnupura	7.70	700	nil	342	14	0.13	nd	29	290	56	36	19	8.6	47	nd	469	-0.15	0.49
477	Kushinagar	Fazil Nagar	8.19	950	nil	537	14	0.28	8	1.4	420	84	51	7.8	18	35	0.57	637	0.42	0.17
478	Kushinagar	Belwa	7.94	565	nil	171	43	0.09	42	32	180	48	15	43	0.8	44	nd	379	-0.83	1.39
479	Kushinagar	Mathauli	7.74	925	nil	354	50	0.46	51	48	270	52	34	83	5.8	34	nd	620	0.41	2.2
480	Kushinagar	Hata	7.71	680	nil	195	57	0.22	0.1	89	220	64	15	44	5	38	nd	456	-1.23	1.29
481	Kushinagar	Tamkuhi Raj	7.61	1000	nil	244	128	0.21	1.2	99	270	48	36	95	3.1	32	nd	670	-1.36	2.52
482	Kushinagar	Dudahi	7.76	520	nil	268	14	0.29	nd	5.3	210	60	15	18	2.7	40	nd	348	0.17	0.54
483	Kushinagar	Sewarahi	7.97	615	nil	329	21	0.42	nd	2.9	240	60	22	22	3.9	40	nd	412	0.59	0.62
484	Kushinagar	Sukrauli	7.77	1010	nil	244	107	0.16	23	125	300	72	29	82	6.6	37	nd	677	-1.98	2.06
485	Lakhimpur Kheri	Bijua	8.19	482	nil	226	28	0.26	0.15	29	225	60	18	14	4.6	23	nd	323	-0.8	0.41
486	Lakhimpur Kheri	Dhaurahra	8.35	505	48	220	7.1	0.31	nd	2.3	240	60	22	15	3.9	29	nd	338	0.4	0.42
487	Lakhimpur Kheri	Gola	8.15	375	nil	201	14	0.22	nd	4.7	170	36	19	6.4	2.2	26	nd	251	-0.1	0.21
488	Lakhimpur Kheri	Mohammadi	8.20	550	nil	311	25	0.37	nd	7.8	250	36	39	21	4.6	31	nd	369	0.1	0.58
489	Lakhimpur Kheri	Nakaha	8.35	890	36	342	43	0.25	1.6	75	420	112	34	30	4	27	nd	596	-1.6	0.64

490	Lakhimpur Kheri	Nighasan	8.18	530	nil	293	7.1	0.31	0.7	1.9	240	64	19	5.5	4.6	23	nd	355	0	0.15
491	Lakhimpur Kheri	Pasgawan	8.20	325	nil	153	7.1	0.68	nd	18	140	36	12	4.4	1.2	25	nd	218	-0.3	0.16
492	Lakhimpur Kheri	Palia Kalan	8.37	625	24	293	28	0.68	0.56	16	300	72	29	18	5.9	24	nd	419	-0.4	0.45
493	Lakhimpur Kheri	Ramaiya Behar	8.35	545	36	268	7.1	0.38	0.57	2.4	265	76	18	13	4	23	nd	365	0.3	0.35
494	Lalitpur	Birdha	7.70	906	nil	464	43	0.74	19	8.6	290	72	27	73	1.8	31	nd	607	1.8	1.86
495	Lalitpur	Madawra	7.25	1165	nil	390	106	0.52	69	47	500	92	66	46	0.76	51	nd	781	-3.6	0.89
496	Lalitpur	Talbehat	7.35	720	nil	281	43	1.4	41	36	270	92	10	40	0.5	41	nd	482	-0.8	1.06
497	Lalitpur	Bar	7.50	948	nil	268	85	0.3	60	94	390	124	19	34	0.93	48	nd	635	-3.4	0.75
498	Lalitpur	Mehrauni	7.00	991	nil	342	92	0.32	60	44	350	136	2.4	63	2.3	41	nd	664	-1.4	1.46
499	Lalitpur	Jhakaura	7.75	935	nil	366	78	0.83	63	16	300	28	56	76	0.47	47	nd	626	0	1.91
500	Lucknow	Mohanlalganj	8.20	320	nil	195	7	0.25	0.6	2.2	150	28	19	10	2.4	34	nd	214	0.2	0.36
501	Lucknow	Gosaiganj	8.00	614	nil	354	21	0.12	1.9	19	230	36	34	48	2.8	33	nd	411	1.2	1.38
502	Lucknow	Sarojininagar	7.90	426	nil	268	7	nd	0.4	4.3	200	36	27	13	3.8	38	nd	285	0.4	0.4
503	Lucknow	Bakhshi Ka Talab	8.00	591	nil	354	21	0.21	0.3	6.3	210	32	32	51	4.8	39	nd	396	1.6	1.54
504	Lucknow	Mal	8.10	472	nil	268	14	0.5	0.2	18	220	20	41	17	4	35	nd	316	0	0.49
505	Lucknow	Malihabad	7.90	567	nil	354	7	0.24	0.3	2.5	240	36	36	28	5.8	37	nd	380	1	0.79
506	Lucknow	Kakori	8.20	790	nil	427	28	nd	1.1	47	380	56	58	24	3.8	36	nd	529	-0.6	0.53

507	Lucknow	Chinhat	8.00	485	nil	293	14	0.19	0.2	2.3	230	28	39	14	4.1	34	nd	325	0.2	0.4
508	Mahrajganj	Mahrajganj	8.15	780	nil	305	50	0.85	19	26	220	56	19	69	3.5	36	nd	523	0.64	2.03
509	Mahrajganj	Partawal	8.14	730	nil	220	50	0.5	19	89	250	60	24	45	5	29	nd	489	-1.36	1.24
510	Mahrajganj	Paniyara	8.28	470	nil	195	21	0.65	0.1	32	180	56	9.7	16	1.2	33	nd	315	-0.40	0.52
511	Mahrajganj	Siswa Bazar	8.10	1060	nil	281	128	0.85	0.4	104	340	80	34	74	11	33	nd	710	-2.18	1.75
512	Mahrajganj	Gughali	8.28	450	nil	232	14	0.85	0.1	6.2	180	52	12	14	3.1	33	nd	302	0.22	0.45
513	Mahrajganj	Kukesar	8.13	410	nil	207	14	0.8	0.03	5.3	150	44	9.7	15	4.3	39	nd	275	0.40	0.53
514	Mahrajganj	Koluhi	8.68	500	24	207	14	1.7	0.12	4.3	170	48	12	32	1.5	34	nd	335	0.81	1.07
515	Mahrajganj	Munila Tola	8.17	600	nil	159	50	0.15	50	40	230	60	19	28	0.8	30	nd	402	-1.95	0.81
516	Mahrajganj	Dhani	8.06	620	nil	268	36	0.65	9.3	17	220	72	9.7	28	3.5	26	nd	415	0.00	0.82
517	Mahrajganj	Nichlaul	8.11	700	nil	293	43	1.5	0.25	28	250	48	32	36	9.3	30	nd	469	-0.22	0.99
518	Mahrajganj	Pharenda	7.92	1070	nil	329	149	0.75	3.7	28	320	72	34	94	1.5	31	nd	717	-1.00	2.29
519	Mahrajganj	Laxmipurr	8.07	480	nil	232	21	1.15	0.11	12	160	36	17	33	2.7	35	nd	322	0.61	1.14
520	Mahoba	Charkhari	8.21	1080	nil	403	128	2.6	0.93	41	330	36	58	94	0.53	15	nd	724	0.00	2.25
521	Mahoba	Jaitpur	8.06	1050	nil	171	184	0.7	94	69	320	84	27	95	2.6	23	nd	704	-3.6	2.31
522	Mahoba	Kabrai	7.75	934	nil	244	106	0.77	87	45	360	100	27	41	0.23	33	nd	626	-3.2	0.94
523	Mahoba	Panwari	8.16	700	nil	354	21	0.83	14	19	190	36	24	81	1	19	nd	469	2	2.55

524	Mahoba	Mahoba hq	7.83	2100	nil	342	298	1.1	326	87	751	192	66	118	1	32	nd	1407	-9.4	1.87
525	Mainpuri	Barnahal	8.30	740	nil	341.6	28	0.05	23	19	250	68	19	45	2.8	48	nd	496	0.6	1.2
526	Mainpuri	Bewar	8.27	365	nil	170.8	7.1	4	0	14	120	32	10	23	3	40	nd	245	0.4	0.9
527	Mainpuri	Ghirore	8.46	670	60	244	14	0.91	0.7	3.8	180	20	32	63	4.7	44	nd	449	2.4	2
528	Mainpuri	Jageer (alau)	8.07	740	nil	274.5	64	0.67	7.3	39	190	32	27	73	4.5	43	nd	496	0.7	2.3
529	Mainpuri	Karhal	8.13	500	nil	256.2	7.1	0.5	nd	18	180	40	19	23	7.7	36	nd	335	0.6	0.7
530	Mainpuri	Kishni	8.25	620	nil	292.8	21	0.6	17	11	220	16	44	32	5.8	43	nd	415	0.4	0.9
531	Mainpuri	Kurawali	8.08	890	nil	195.2	43	0.06	nd	210	240	40	34	82	6.6	43	nd	596	-1.6	2.3
532	Mainpuri	Mainpuri	8.07	590	nil	305	14	0.9	6.7	5.4	160	24	24	52	5	39	nd	395	1.8	1.8
533	Mainpuri	Sultanganj	8.80	2990	72	244	391	1.5	120	440	600	20	134	400	8.7	39	nd	2003	-5.6	7.1
534	Mathura	Baldeo	8.00	1054	nil	573	14	4.85	5	55	60	8	10	235	1.3	20	nd	706	8.2	13.2
535	Mathura	Farah	8.10	8643	nil	244	2645	0.39	84	366	2662	417	394	824	4.8	32	nd	5791	-49.2	6.95
536	Mathura	Goverdhan	8.00	2964	nil	842	461	2.1	5.4	190	330	24	66	570	4.6	26	nd	1986	7.2	13.7
537	Mathura	Chaumuhan	7.90	3485	nil	586	695	2.37	6.6	307	731	72	134	503	5.8	22	nd	2335	-5	8.1
538	Mathura	Chhata	7.80	3677	nil	757	411	1.64	12	687	470	48	85	685	6.8	20	nd	2464	3	13.7
539	Mathura	Nandgaon	8.00	33530	nil	354	9397	1.19	167	4659	6255	737	1073	5060	702	13	nd	22465	-119.2	27.8
540	Mathura	Nohjhil	7.70	7810	nil	268	908	0.53	1269	1317	1821	184	331	557	709	21	nd	5233	-32	5.68

	District	Block	pH																		
541	Mathura	Mat	7.90	1850	nil	561	163	0.78	26	213	300	60	36	263	41	24	nd	1240	3.21	6.61
542	Mathura	Raya	7.80	4383	nil	830	979	1	14	187	941	48	199	625	4.9	25	nd	2937	-5.2	8.86
543	Mathura	Mathura	7.90	2368	nil	451	461	0.38	6.5	195	520	96	68	335	6.2	25	nd	1587	-3	6.38
544	Maunath Bhanjan	Badraon	8.06	342	nil	207	14	nd	nd	3.2	120	24	14	33	3.8	48	nd	229	1.04	1.32
545	Maunath Bhanjan	Dohari ghat	7.92	401	nil	207	28	nd	nd	12	150	32	17	33	4	40	nd	269	0.40	1.17
546	Maunath Bhanjan	Fatehpurmadaon	7.90	393	nil	195	14	nd	nd	11	125	24	16	17	25	47	nd	263	0.68	0.66
547	Maunath Bhanjan	Ghosi	7.89	813	nil	244	99	nd	17	45	240	52	26	70	3.8	48	nd	545	-0.73	1.98
548	Maunath Bhanjan	Kopaganj	8.04	527	nil	268	21	0.11	4.3	7.5	195	52	16	30	3.1	59	nd	353	0.48	0.93
549	Maunath Bhanjan	Mohammadabad	8.06	591	nil	317	14	0.63	nd	2.3	160	24	24	58	1.8	80	nd	396	2.02	2
550	Maunath Bhanjan	Pardaha	8.00	631	nil	305	14	0.36	0.44	20	170	16	31	56	3	36	nd	423	1.65	1.88
551	Maunath Bhanjan	Ranipur	7.78	747	nil	390	28	0.53	2.6	21	200	24	34	86	2.2	86	nd	500	2.40	2.65
552	Maunath Bhanjan	Ratanpura	7.93	494	nil	256	14	0.29	4.8	3.5	150	36	14	39	3.2	107	nd	331	1.25	1.4
553	Mirzapur	Rajgarh	8.15	280	nil	159	3.5	0.19	7.7	nd	120	44	2.4	12	0.43	21	nd	188	0.2	0.48
554	Mirzapur	Mirzapur	8.19	770	nil	256	106.4	0.4	33	39	290	28	54	60	1.8	26	nd	516	-1.6	1.53
555	Mirzapur	Marihau	8.18	280	nil	122	21	0.12	13	nd	95	24	8.5	24	0.3	17	nd	188	0.1	1.07
556	Mirzapur	Jamalpur	8.20	420	nil	165	28	0.47	5	48	170	24	27	23	1.4	25	nd	281	-0.7	0.77
557	Mirzapur	Lalganj	8.48	1650	48	268	283.6	0.55	36	115	280	12	61	268	12	25	nd	1106	0.4	6.96

558	Mirzapur	Halia	8.19	360	nil	146	14	0.35	9.8	36	130	24	17	22	1.3	23	nd	241	-0.2	0.84
559	Mirzapur	Rajgarh	8.07	200	nil	98	21	0.05	nd	nd	65	16	6.1	19	0.67	17	nd	134	0.3	1.02
560	Mirzapur	Rajgarh	8.00	195	nil	98	14	0.13	1.7	6.6	80	24	5	8.2	3.2	13	nd	131	0.01	0.4
561	Mirzapur	Sukrit	8.19	149	nil	85	7.1	nd	nd	1.9	60	16	5	8.5	0.78	14	nd	100	0.19	0.48
562	Moradabad	Bilari	7.85	403	nil	146	32	0.42	nd	48	140	20	22	29	5.3	34	nd	270	-0.4	1.07
563	Moradabad	Kundarki	8.10	660	nil	268	64	0.06	0.32	39	185	12	38	70	19	21	nd	442	0.7	2.24
564	Moradabad	Munda Pandey	7.75	430	nil	183	14	0.21	nd	65	160	40	15	33	3	29	nd	288	-0.2	1.13
565	Moradabad	Thakurdwara	7.77	925	nil	488	35	0.98	6.3	38	250	32	41	70	83	22	nd	620	3	1.92
566	Moradabad	Dilari	7.90	415	nil	220	7	0.4	nd	28	110	20	15	53	2.1	28	nd	278	1.4	2.2
567	Moradabad	Moradabad	7.30	833	nil	207	74	0.16	99	59	230	52	24	90	4.5	36	nd	558	-1.2	2.58
568	Moradabad	Bhagatpur	8.16	425	nil	256	11	0.27	nd	9	170	44	15	27	2.4	24	nd	285	0.8	0.9
569	Moradabad	Chajlet	7.88	375	nil	220	7	nd	7	9.7	150	20	24	22	5.8	39	nd	251	0.6	0.78
570	Moradabad	Manotha	7.80	322	nil	140	7	0.18	nd	42	110	20	15	22	4.6	29	nd	216	0.1	0.91
571	Pilibhit	Bilsanda	8.18	440	nil	244	14	0.61	0.18	5.3	200	40	24	9	4.1	16	nd	295	0	0.28
572	Pilibhit	Bisalpur	8.09	415	nil	244	7.1	0.49	0.18	3.9	190	52	15	9	2.4	16	nd	278	0.2	0.3
573	Pilibhit	Barakhera	8.14	490	nil	256	14	0.46	0.29	18	200	40	24	17	3.4	16	nd	328	0.2	0.52
574	Pilibhit	Lalauri khera	8.06	640	nil	329	21	0.37	0.18	29	260	40	39	28	4.4	16	nd	429	0.2	0.75

575	Pilibhit	Puranpur	8.24	305	nil	183	7.1	0.48	0.21	3	140	36	12	9	2.6	13	nd	204	0.2	0.34
576	Pilibhit	Marori	8.23	500	nil	317	7.1	0.63	0.2	2.7	200	36	27	28	3.6	15	nd	335	1.2	0.86
577	Pilibhit	Amaria	8.21	404	nil	159	7.1	0.66	0.14	64	140	32	15	28	2.4	13	nd	271	-0.2	1.03
578	Pratapgarh	Khandawa Chandrika	7.99	680	nil	329	36	1	0.6	6.7	250	20	49	36	3.9	30	nd	456	0.36	0.99
579	Pratapgarh	Lalganj	8.17	1040	nil	586	14	1.09	nd	6.2	160	12	32	161	1.9	27	nd	697	6.37	5.51
580	Pratapgarh	Kaurihar	7.87	660	nil	317	36	0.75	5	8.6	240	36	36	32	3.9	32	nd	442	0.44	0.9
581	Pratapgarh	Kunda	7.97	1320	nil	525	92	1.01	34	36	270	28	49	170	3.9	32	nd	884	3.18	4.49
582	Pratapgarh	Mandhata	8.00	600	nil	329	7.1	0.84	1.9	5.8	200	24	34	39	3.5	32	nd	402	1.40	1.2
583	Pratapgarh	Patti	7.87	580	nil	281	18	0.4	0.2	12	190	28	29	34	5.5	33	nd	389	0.82	1.07
584	Pratapgarh	Pratapgarh	7.76	830	nil	427	28	2.25	nd	18	270	20	54	58	7.4	32	nd	556	1.56	1.53
585	Pratapgarh	Bababakhar Nath	8.27	1700	nil	793	71	2.35	3.1	58	110	12	19	333	4.3	29	nd	1139	10.84	13.9
586	Pratapgarh	Kalakanpur	7.77	830	nil	159	99	0.39	3.7	125	270	52	34	60	4.7	35	nd	556	-2.78	1.59
587	Pratapgarh	Babaganj	8.07	750	nil	366	28	0.88	12	16	170	24	27	82	5	29	nd	503	2.58	2.73
588	Pratapgarh	Laxmanpur	8.12	790	nil	415	28	0.63	nd	4.8	300	20	61	32	6.2	31	nd	529	0.79	0.8
589	Pratapgarh	Bihar	7.80	760	nil	354	21	2.85	1.2	41	240	28	41	58	4.7	29	nd	509	1.03	1.63
590	Pratapgarh	Sangipur	8.17	2580	nil	1244	107	2.5	0.6	82	320	20	66	437	6.6	29	nd	1729	13.96	10.6
591	Pratapgarh	Shivgarh	7.92	630	nil	342	7.1	0.92	2.5	15	250	20	49	22	5	33	nd	422	0.58	0.6

592	Pratapgarh	Gaura	8.19	780	nil	427	18	3	nd	2.9	250	12	54	51	7.8	30	nd	523	1.96	1.4
593	RaeBareli	Bachharawan	7.80	592	nil	366	7	0.73	3	6.1	240	24	44	38	4.9	31	nd	397	1.2	1.07
594	RaeBareli	Satawan	8.00	602	nil	329	28	0.25	2.4	15	260	44	36	31	4.4	30	nd	403	0.2	0.85
595	RaeBareli	Kheron	7.90	649	nil	342	35	0.28	1.8	17	260	72	19	41	5.5	26	nd	435	0.4	1.11
596	RaeBareli	Sareni	8.00	1210	nil	671	43	0.35	1.2	45	340	20	71	147	5.5	22	nd	811	4.2	3.47
597	RaeBareli	Lalganj	8.00	1290	nil	537	71	1.03	0.6	130	350	24	71	156	6.6	17	nd	864	1.8	3.63
598	RaeBareli	Dalmau	7.90	525	nil	287	28	0.52	1.8	9.9	210	36	29	35	3	32	nd	352	0.5	1.06
599	RaeBareli	Rahi	8.00	920	nil	329	121	0.16	4.2	47	380	56	58	55	4.1	3	nd	616	-2.2	1.23
600	RaeBareli	Jagatpur	8.00	523	nil	317	14	0.55	0.5	2.1	190	28	29	43	5.3	30	nd	350	1.4	1.35
601	RaeBareli	Unchahar	8.10	636	nil	390	14	0.29	0.3	4.6	220	24	39	57	5.5	30	nd	426	2	1.67
602	RaeBareli	Rohnia	8.10	710	nil	439	14	0.61	0.2	2.5	290	36	49	46	3.1	31	nd	476	1.4	1.16
603	RaeBareli	Salon	8.00	534	nil	317	11	0.67	2.2	10	200	36	27	40	4.1	34	nd	358	1.2	1.23
604	RaeBareli	Chhatoh	7.90	1837	nil	537	351	0.52	0.7	56	495	44	94	235	9.5	28	nd	1231	-1.1	4.58
605	RaeBareli	deeh	8.00	2080	nil	891	177	0.43	1	129	490	20	107	299	6.7	39	nd	1394	4.8	5.87
606	RaeBareli	Bahadurpur	8.10	740	nil	451	14	1.06	0.4	5.4	140	20	22	122	2.9	29	nd	496	4.6	4.48
607	RaeBareli	Tiloee	8.00	683	nil	342	50	0.31	0.3	22	300	20	61	32	5.9	34	nd	458	-0.4	0.8
608	RaeBareli	Amawan	7.90	658	nil	403	14	0.34	1.1	6.2	240	32	39	54	6	35	nd	441	1.8	1.5

609	RaeBareli	Harichandpur	7.90	430	nil	232	21	0.1	9.5	3.7	185	36	23	20	3.1	32	nd	288	0.1	0.64
610	RaeBareli	Shivgarh	8.00	713	nil	439	14	0.19	0.7	2.8	240	20	46	64	5.5	30	nd	478	2.4	1.81
611	RaeBareli	singhpur	7.95	584	nil	329	21	0.04	0.4	21	240	40	34	35	5.9	35	nd	391	0.6	0.99
612	RaeBareli	Maharajganj	8.10	630	nil	305	50	0.44	7.3	15	210	24	36	60	5.1	33	nd	422	0.8	1.79
613	Rampur	Milak	8.00	548	nil	256	21	0.16	0.56	49	170	16	32	55	6.6	29	nd	367	0.8	1.83
614	Rampur	Sahabad Block	7.39	482	nil	238	28	0.22	nd	25	175	44	16	37	4.9	33	nd	323	0.4	1.22
615	Rampur	Chamrawa	7.10	967	nil	268	142	0.01	nd	110	390	80	46	60	7.4	24	nd	648	-3.4	1.32
616	Rampur	Bilaspur	7.40	652	nil	305	14	0.35	nd	82	250	40	36	50	1.6	28	nd	437	0	1.37
617	Rampur	Swar	7.47	550	nil	268	7	0.16	nd	68	230	28	39	28	1.9	31	nd	369	-0.2	0.8
618	Rampur	Saidnagar	7.86	355	nil	189	7	0.17	nd	26	155	44	11	13	1.8	33	0.26	238	0	0.45
619	Rudrapur	Rudrapur	7.74	410	nil	122	36	1.25	33	13	160	40	14	16	0.4	41	nd	275	-1.15	0.55
620	Sambhal	Chandausi	7.35	477	nil	238	28	0.36	6	20	180	44	17	31	4.6	29	nd	320	0.3	1
621	Sambhal	Bahajoi	7.65	345	nil	201	7	0.59	nd	16	130	24	17	22	4.9	36	nd	231	0.7	0.84
622	Sambhal	Pawansa	7.70	539	nil	171	57	0.17	48	26	185	24	30	46	7.3	36	nd	361	-0.9	1.47
623	Sambhal	Sambhal	7.30	913	nil	207	131	0.15	52	69	290	56	36	85	8.7	33	nd	612	-2.4	2.17
624	Sant Kabir Nagar	Khalilabad	8.16	925	nil	293	92	0.21	38	49	270	40	41	82	6.6	38	nd	620	-0.57	2.18
625	Sant Kabir Nagar	Nath Nagar	7.83	1030	nil	366	107	0.36	3.7	33	340	52	51	74	3.9	30	nd	690	-0.79	1.75

626	Sant Kabir Nagar	Pipra Frist	7.90	520	nil	220	36	0.24	1.2	9.1	190	56	12	24	2.3	38	nd	348	-0.18	0.76
627	Sant Kabir Nagar	Maidawal	7.90	530	nil	256	21	0.33	nd	6.7	230	60	19	9.9	3.9	33	nd	355	-0.36	0.29
628	Sant Kabir Nagar	Dhanghata	7.71	1010	nil	293	121	0.3	53	42	400	68	56	40	0.8	22	nd	677	-3.20	0.87
629	Sant Kabir Nagar	Tighra	8.20	480	nil	256	7.1	0.48	0.04	3.8	170	44	15	25	2.7	34	nd	322	0.77	0.83
630	Sant Kabir Nagar	Semi rawa	7.88	980	nil	207	149	0.13	0.5	98	290	68	29	78	5	32	nd	657	-2.39	2
631	Sant Kabir Nagar	Pauli	7.92	740	nil	281	64	0.29	nd	28	300	64	34	27	3.9	38	nd	496	-1.38	0.68
632	Shahjahanpur	Bhawalkherda	8.05	540	nil	293	14	0.5	0.48	5.2	240	28	41	15	4.4	16	nd	362	0	0.42
633	Shahjahanpur	Dadrauli	8.24	650	nil	354	14	0.57	0.49	18	130	36	10	85	2.3	14	nd	436	3.2	3.24
634	Shahjahanpur	Kanth	8.22	475	nil	220	7.1	0.48	0.12	49	210	60	15	10	2.8	15	nd	318	-0.6	0.3
635	Shahjahanpur	Jalalabad	8.21	400	nil	220	14	0.58	0.02	4.7	160	44	12	16	3.1	16	nd	268	0.4	0.55
636	Shahjahanpur	Mirapur	8.20	813	nil	451	7.1	3.3	0.33	26	90	16	12	139	3.4	14	nd	545	5.6	6.37
637	Shahjahanpur	Madnapur	8.00	914	nil	342	92	0.4	0.68	42	290	64	32	80	6.5	14	nd	612	-0.2	2.04
638	Shahjahanpur	Jaitipur	8.24	493	nil	281	14	0.48	0.28	5.2	210	56	17	15	2.6	15	nd	330	0.4	0.45
639	Shahjahanpur	Khudaganj	8.10	558	nil	317	7.1	0.39	0.13	10	190	36	24	43	4.5	16	nd	374	1.4	1.36
640	Shahjahanpur	Tilhar	8.02	450	nil	256	14	0.5	0.17	6.8	190	48	17	17	6.3	16	nd	302	0.4	0.54
641	Shahjahanpur	Nigehi	8.08	650	nil	366	14	0.63	2.8	7.5	230	36	34	14	47	17	nd	436	1.4	0.4
642	Shahjahanpur	Sindhauli	8.02	651	nil	329	28	0.48	9.5	7.1	260	56	29	21	4.5	16	nd	436	0.2	0.57

643	Shahjahanpur	Pawayan	8.05	498	nil	268	14	0.59	0.13	9.4	210	40	27	14	4.8	17	nd	334	0.2	0.42
644	Shahjahanpur	Khutar	8.14	450	nil	256	14	0.56	0.17	5.3	200	44	22	10	4.3	16	nd	302	0.2	0.31
645	Shahjahanpur	Banda	8.21	420	nil	232	14	0.39	0.16	14	190	52	15	9	4.6	16	nd	281	0	0.28
646	Shahjahanpur	Kalan	8.07	735	nil	329	43	0.42	0.53	28	230	64	17	63	3.8	16	nd	492	0.8	1.81
647	Shrawasti	Gilaula	8.24	379	nil	220	7.1	0.16	0.83	5.4	170	52	10	6.7	2.1	24	nd	254	0.2	0.22
648	Shrawasti	Hariharpur rani	8.23	1280	nil	439	92	0.69	79	83	250	40	36	190	2	26	nd	858	2.2	5.22
649	Shrawasti	Ikauna	8.26	463	nil	183	50	0.18	0.85	15	180	28	27	28	3.7	26	nd	310	-0.6	0.91
650	Shrawasti	Jamunaha	8.40	441	6	232	14	0.18	0.73	2.6	150	16	27	33	2.4	26	nd	295	1	1.17
651	Shrawasti	Sirsiya	8.20	637	nil	366	7.1	0.4	0.15	7.8	210	24	36	56	0.74	23	nd	427	1.8	1.67
652	Siddharthnagar	Bansi	7.90	760	nil	427	43	0.3	0.3	0.6	340	68	41	37	0.7	33	nd	509	0.2	0.87
653	Siddharthnagar	Bardpur	7.80	675	nil	415	14	0.92	nd	5.6	250	48	32	54	1.4	23	nd	452	1.8	1.49
654	Siddharthnagar	Barhani	7.80	641	nil	403	7.1	0.92	1.65	1.6	250	64	22	46	0.8	19	nd	429	1.6	1.26
655	Siddharthnagar	Bhanwapur	7.90	546	nil	329	14	0.48	nd	5.3	260	68	22	18	3.5	27	nd	366	0.2	0.48
656	Siddharthnagar	Dumariyaganj	8.00	630	nil	354	36	0.4	0.93	6.4	290	80	22	23	0.9	31	nd	422	0	0.59
657	Siddharthnagar	Itwa	8.10	458	nil	293	7.1	0.29	nd	2.5	210	56	17	19	2.3	30	nd	307	0.6	0.56
658	Siddharthnagar	Jogiya	7.80	789	nil	476	21	0.57	0.03	3.1	340	64	44	41	2.4	25	nd	529	1	0.97
659	Siddharthnagar	Khesraha	7.80	460	nil	293	7.1	0.35	nd	2	200	44	22	22	2.8	29	nd	308	0.8	0.68

660	Siddharthnagar	Khuniyan	7.90	750	nil	476	14	0.43	nd	2.3	300	52	41	49	3.7	32	nd	503	1.8	1.22
661	Siddharthnagar	Lotan	8.00	578	nil	342	14.2	0.36	nd	10	190	44	19	58	2.3	34	nd	387	1.8	1.82
662	Siddharthnagar	Mithawal	8.10	520	nil	256	49.6	0.49	nd	2.2	190	52	15	44	2.2	22	nd	348	0.4	1.38
663	Siddharthnagar	Naugarh	8.00	696	nil	439	7.1	0.31	nd	1.9	300	48	44	35	2.9	27	nd	466	1.2	0.88
664	Siddharthnagar	Shoharatgarh	7.90	426	nil	262	7.1	0.27	0.38	4.2	200	48	19	14	2.4	25	nd	285	0.3	0.43
665	Siddharthnagar	Uska Bazar	7.80	630	nil	366	21	0.38	0.05	9.3	260	76	17	37	3.9	34	nd	422	0.8	0.99
666	Sitapur	Behta	8.15	598	nil	305	28	0.12	nd	36	240	56	24	28	20	18	nd	401	0.2	0.79
667	Sitapur	Bisawan	8.08	520	nil	305	14	0.17	nd	8.4	235	44	30	20	3.1	29	nd	348	0.3	0.57
668	Sitapur	Gadalamau	8.46	440	12	244	7.1	0.16	nd	2.8	200	20	36	15	4.2	28	nd	295	0.4	0.46
669	Sitapur	Hargaon	8.10	544	nil	244	43	0.42	21	14	250	44	34	14	4.9	24	nd	364	-1	0.38
670	Sitapur	Kasmanda	8.06	468	nil	268	7.1	0.41	1.2	23	230	36	34	4.5	4.8	21	nd	314	-0.2	0.13
671	Sitapur	Khairabad	8.20	497	nil	293	7.1	0.99	nd	15	225	36	33	19	4.5	26	nd	333	0.3	0.55
672	Sitapur	Laharpur	8.15	385	nil	214	14	0.02	nd	7.5	175	40	18	7.6	4.7	24	nd	258	0	0.25
673	Sitapur	Machharehta	8.15	698	nil	342	43	0.2	2.6	29	270	52	34	50	5.1	25	nd	468	0.2	1.32
674	Sitapur	Mahmoodabad	8.35	549	6	275	21	0.15	nd	20	235	56	23	24	5.6	19	nd	368	0	0.68
675	Sitapur	Misrikh	8.10	620	nil	354	21	0.21	nd	14	260	36	41	34	5.6	28	nd	415	0.6	0.92
676	Sitapur	Moholi	8.00	510	nil	305	14	0.34	0.21	5.5	240	32	39	16	4.3	27	nd	342	0.2	0.45

677	Sitapur	Parsendi	8.14	455	nil	287	7.1	0.39	0.02	4.7	185	32	26	28	4.5	27	nd	305	1	0.9
678	Sitapur	Pisawan	7.98	420	nil	232	14	0.35	nd	9.9	180	36	22	18	4.4	24	nd	281	0.2	0.58
679	Sitapur	Rampur Mathura	7.98	440	nil	244	7.1	nd	1.4	14	170	52	9.7	28	2.8	21	nd	295	0.6	0.93
680	Sitapur	Rewsa	7.85	615	nil	390	7.1	0.19	0.26	7.4	230	60	19	46	4.3	22	nd	412	1.8	1.32
681	Sitapur	Sidhauli	7.80	855	nil	366	71	0.02	38	21	370	48	61	30	5.8	28	nd	573	-1.4	0.68
682	Sonbhadra	Robertsganj	8.08	932	nil	98	241	nd	22	56	330	68	39	77	4.1	18	nd	624	-4.99	1.84
683	Sonbhadra	Chopan	8.35	746	12	98	92	nd	75	88	170	24	27	97	2.1	32	nd	500	-1.41	3.23
684	Sonbhadra	Dudhi	8.50	712	24	159	99	0.55	3.5	75	170	16	32	97	2	35	nd	477	-0.02	3.22
685	Sonbhadra	Murpur	8.35	445	24	104	43	0.66	0.6	39	145	20	23	40	0.24	56	nd	298	-0.38	1.45
686	Sonbhadra	Babhani	8.19	750	nil	98	92	0.71	94	113	270	64	27	65	2.4	45	nd	503	-3.81	1.72
687	Sonbhadra	Ghorawal	8.15	1273	nil	134	308	0.26	68	44	320	52	46	156	1.4	21	nd	853	-4.18	3.8
688	Sonbhadra	Myopur	8.39	358	12	134	25	1.7	1.3	15	85	24	6	46	2.1	64	nd	240	0.90	2.17
689	Sonbhadra	Myopur	8.39	357	24	116	28	1.7	1.2	14	100	24	10	44	2	64	nd	239	0.71	1.92
690	St. Ravidas Nagar	Bhadohi	8.90	1145	54	415	71	0.95	8.2	62	340	8	78	116	3.6	25	nd	767	1.8	2.74
691	St. Ravidas Nagar	Deegh	8.20	935	nil	220	113	0.45	110	48	370	12	83	50	2	30	nd	626	-3.8	1.13
692	St. Ravidas Nagar	Suriyawan	8.60	2035	30	464	284	0.9	100	195	430	12	97	317	6.4	31	nd	1363	0	6.65
693	St. Ravidas Nagar	Aurai	8.65	1005	36	293	71	1	46	49	300	20	61	92	4.8	27	nd	673	0	2.31

694	St. Ravidas Nagar	Gyanpur	8.35	1790	12	256	291	0.4	65	221	370	16	80	253	7.8	25	nd	1199	-2.8	5.72
695	St. Ravidas Nagar	Deegh	8.19	435	nil	207	14	0.35	19	15	150	16	27	35	2.2	33	nd	291	0.4	1.24
696	St. Ravidas Nagar	Araziline	8.45	630	24	244	35	0.23	nd	31	165	16	30	76	3.4	30	nd	422	1.5	2.57
697	Sultanpur	Akhand Nagar	8.27	660	nil	378	7.1	0.5	0.2	1.9	240	40	34	30	3.9	32	nd	442	1.40	0.84
698	Sultanpur	Amethi	8.29	1200	nil	342	92	0.85	9.3	149	290	64	32	62	124	27	nd	804	-0.22	1.58
699	Sultanpur	Baldirai	8.60	650	36	268	7.1	0.45	0.2	19	250	48	32	28	5.5	32	nd	436	0.57	0.77
700	Sultanpur	Bhadaiyau	8.27	600	nil	293	21	0.58	6.2	17	270	52	34	6	3.5	30	nd	402	-0.59	0.16
701	Sultanpur	Bhadar	8.39	1330	24	366	114	0.4	3.7	144	410	48	71	110	3.9	34	nd	891	-1.44	2.36
702	Sultanpur	Bhetua	8.31	640	nil	329	14	0.56	0.2	11	230	20	44	35	4.7	33	nd	429	0.78	1
703	Sultanpur	Dhanpatganj	8.49	620	24	281	14	0.5	3.1	3.4	250	48	32	23	3.1	34	nd	415	0.38	0.63
704	Sultanpur	Dostpur	8.22	1240	nil	378	64	0.25	100	120	480	64	78	60	3.9	38	nd	831	-3.41	1.19
705	Sultanpur	Dubeypur	8.31	700	nil	366	14	0.58	5.6	13	250	40	36	41	3.5	31	nd	469	1.04	1.13
706	Sultanpur	Gauriganj	8.31	740	nil	354	36	0.44	3.1	20	290	44	44	30	5.8	32	nd	496	-0.01	0.77
707	Sultanpur	Jagdishpur	8.22	1030	nil	439	78	0.19	0.6	36	360	48	58	58	6.6	33	nd	690	0.03	1.33
708	Sultanpur	Jaisinghpur	8.44	560	24	232	14	0.69	0.1	16	230	44	29	16	3.1	32	nd	375	0.02	0.46
709	Sultanpur	Jamo	8.44	850	24	317	43	0.55	0.3	46	300	36	51	48	11	32	nd	570	0.01	1.21
710	Sultanpur	Kadipur	8.24	790	nil	342	43	0.21	30	15	320	56	44	29	4.3	32	nd	529	-0.81	0.7

711	Sultanpur	Kurebhar	8.25	600	nil	329	7.1	0.77	0.2	3.4	230	36	34	24	3.1	30	nd	402	0.80	0.69
712	Sultanpur	Kurwar	8.29	800	nil	415	14	0.35	5	5.3	310	36	54	31	3.9	35	nd	536	0.56	0.76
713	Sultanpur	Lambhua	8.35	620	12	305	14	0.24	0.14	1.4	240	40	34	27	4.7	31	nd	415	0.61	0.76
714	Sultanpur	Motigarpur	8.44	630	24	293	7.1	0.81	8.7	11	250	48	32	23	3.1	31	nd	422	0.58	0.63
715	Sultanpur	Musafirkhana	8.47	770	24	366	14	0.48	3.1	6.2	300	36	51	32	5.8	34	nd	516	0.81	0.8
716	Sultanpur	Pratappur Kamaicha	8.40	990	24	403	64	0.32	5	16	360	28	71	55	3.5	35	nd	663	0.17	1.26
717	Sultanpur	Sangrampur	8.38	2000	12	464	206	0.77	15	278	450	48	80	230	7	31	nd	1340	-0.97	4.72
718	Sultanpur	Shahgarh	8.35	720	12	366	14	0.37	0.3	9.1	260	40	39	39	5.5	32	nd	482	1.20	1.05
719	Sultanpur	Shukul Bazar	8.28	550	nil	281	14	0.23	5	13	240	48	29	12	3.1	32	nd	369	-0.17	0.34
720	Sultanpur	Sultanpur city	7.90	640	nil	378	7.1	0.38	8.6	9.1	250	40	37	42	3.3	30	nd	429	1.16	1.15
721	Unnao	Auras	8.10	780	nil	353.9	39	0.67	0.3	70	220	24	39	91	3.8	27	nd	523	1.4	2.67
722	Unnao	Bangarmau	7.95	520	nil	268.4	14	0.33	12	16	145	28	18	58	4.5	27	nd	348	1.5	2.09
723	Unnao	Bighapur	8.20	570	nil	353.9	7.1	3.1	0.3	3	200	32	29	47	4.7	25	nd	382	1.8	1.44
724	Unnao	Bichia	8.20	582	nil	292.8	43	0.56	0.3	11	225	16	45	39	7	27	nd	390	0.3	1.13
725	Unnao	Fatehpur Chaurasi	7.80	1850	nil	183	255	0.32	0.11	490	560	116	66	204	6.5	27	nd	1240	-8.2	3.75
726	Unnao	Ganjmuradabad	7.92	518	nil	268.4	21	0.24	11	9.8	200	36	27	30	3.2	29	nd	347	0.4	0.92
727	Unnao	Hasanganj	8.20	470	nil	237.9	25	1.2	0.77	8.8	175	24	28	29	3.6	24	nd	315	0.4	0.95

728	Unnao	Hilauli	8.00	965	nil	427.1	64	0.64	0.17	60	280	28	51	100	6	25	nd	647	1.4	2.6
729	Unnao	Miyaganj	8.35	450	12	231.8	18	0.38	0.13	13	160	24	24	35	6	27	nd	302	1	1.2
730	Unnao	Nawabganj	8.35	990	12	463.7	50	1.5	15	44	225	24	40	143	4.8	23	nd	663	3.5	4.14
731	Unnao	Purwa	8.55	675	18	274.5	50	1.1	0.31	41	220	12	46	69	2.9	23	nd	452	0.7	2.02
732	Unnao	Safipur	7.99	610	nil	250.1	43	0.89	36	30	260	36	41	27	5.7	28	nd	409	-1.1	0.73
733	Unnao	Sikandarpur Karan(Achalganj)BO	7.95	893	nil	451.5	50	1.1	2.2	39	260	32	44	93	5.6	31	nd	598	2.2	2.51
734	Unnao	Sumerpur	8.40	1050	24	573.5	21	2.2	3.9	21	120	12	22	207	4.3	24	nd	704	7.8	8.22
735	Unnao	Sikandarpur Karn	8.15	483	nil	292.8	7.1	0.6	3	5	160	12	32	44	4.9	31	nd	324	1.6	1.51
736	Unnao	Gehra,Sikandarpur Karn	8.05	1408	nil	158.6	227	0.33	45	270	605	112	79	74	12.8	34	nd	943	-9.5	1.31
737	Unnao	Bichhia	8.16	352	nil	195.2	7.1	1.5	nd	23	170	32	22	8.5	2.6	21	nd	236	-0.2	0.28
738	Unnao	Bichhia	7.67	1700	nil	372	259	0.32	0.23	220	490	56	85	182	8.5	30	nd	1139	-3.70	3.57
739	Unnao	Asoha	7.76	3132	nil	402.7	489	0.36	0.21	660	550	52	102	520	11	31	nd	2098	-4.4	9.64
740	Unnao	Isnia, Bl. Sikandarpur, Sirosi	7.89	682	nil	280.6	35	0.21	nd	90	210	32	32	71	5.4	30	nd	457	0.4	2.13
741	Unnao	Pariyar, Bl. Sikandarpur, Sirosi	7.88	1675	nil	414.9	106	0.74	4.3	400	340	32	63	250	5.6	30	nd	1122	0	5.89
742	Unnao	Sikandarpur Sirausi (Mainikhera)	8.36	620	18	262.3	14	1.2	2.1	52	190	20	34	64	3.8	30	nd	415	1.1	2.02
743	Varanasi	Harahua	8.20	1050	nil	207	202	0.22	75	44	400	12	90	69	3.4	24	nd	704	-4.6	1.5
744	Varanasi	Araziline	8.40	495	24	226	14	0.37	0.78	6.4	145	8	30	51	4.6	24	nd	332	1.6	1.84

745	Varanasi	Pindra	8.18	1200	nil	110	298	0.25	60	40	300	52	41	137	1.2	21	nd	804	-4.2	3.44
746	Varanasi	Badagaon	8.45	580	36	220	25	0.31	nd	13	180	8	39	51	4.7	30	nd	389	1.2	1.65
747	Varanasi	Kashividya peeth	8.70	1095	36	342	106	0.68	39	47	365	8	84	83	35	27	nd	734	-0.5	1.89
748	Varanasi	Cholapur	8.75	685	48	268	21	0.68	2	19	200	8	43.78	74	2.8	27	nd	459	2	2.28
749	Varanasi	Kashividya peeth	8.20	475	nil	250	18	0.38	7.9	7.3	130	20	19.46	55	2.1	30	nd	318	1.5	2.1
750	Varanasi	Kashividya peeth	8.35	1057	12	159	156	0.55	37	154	220	28	36	161	2.1	25	nd	708	-1.4	4.72
751	Varanasi	Chiraigaon(Rustampur)	8.38	340	12	153	18	0.39	2.5	nd	135	12	26	18	2	22	nd	228	0.2	0.67

Depth to Water Table
Distribution of Percentage of Observation Wells
2014/May

State   : Uttar Pradesh

District	No. of Wells Analysed	Depth to Water Table (mbgl)		No. / Percentage of Wells Showing Depth to Water Table (mbgl) in the Range of					
		Min	Max	0.0 - 2.0	2.0 - 5.0	5.0 - 10.0	10.0 - 20.0	20.0 - 40.0	> 40.0
AGRA	20	0.78	47.51	1	2	3	3	9	2
				5.00%	10.00%	15.00%	15.00 %	45.00%	10.00%
ALIGARH	10	1.84	9.10	1	2	7	0	0	0
				10.00%	20.00%	70.00%			
ALLAHABAD	32	1.74	15.00	1	16	8	7	0	0
				3.13%	50.00%	25.00%	21.88 %		
AMBEDKAR NAGA	14	3.48	7.25	0	4	10	0	0	0
					28.57%	71.43%			
AURAIYA	11	3.02	13.08	0	4	4	3	0	0
					36.36%	36.36%	27.27 %		
AZAMGARH	21	2.72	9.41	0	9	12	0	0	0
					42.86%	57.14%			
BAGHPAT	1	25.47	25.47	0	0	0	0	1	0
								100.00%	
BAHRAICH	17	2.24	14.65	0	11	3	3	0	0
					64.71%	17.65%	17.65 %		
BALLIA	17	3.27	9.23	0	8	9	0	0	0
					47.06%	52.94%			
BALRAMPUR	16	0.50	8.55	1	12	3	0	0	0
				6.25%	75.00%	18.75%			
BANDA	18	1.46	20.73	1	7	7	2	1	0
				5.56%	38.89%	38.89%	11.11 %	5.56%	

BARABANKI	26	3.54	10.50	0	8	17	1	0	0
					30.77%	65.38%	3.85 %		
BAREILLY	20	3.00	13.37	0	8	10	2	0	0
					40.00%	50.00%	10.00 %		
BASTI	10	1.60	5.30	1	8	1	0	0	0
				10.00%	80.00%	10.00%			
BIJNOR	9	2.30	20.06	0	4	2	2	1	0
					44.44%	22.22%	22.22 %	11.11%	
BUDAUN	20	3.10	14.63	0	3	8	9	0	0
					15.00%	40.00%	45.00 %		
BULANDSHAHR	6	5.59	10.51	0	0	4	2	0	0
						66.67%	33.33 %		
CHANDAULI	9	0.83	14.73	1	4	3	1	0	0
				11.11%	44.44%	33.33%	11.11 %		
CHITRAKOOT	11	3.61	15.47	0	2	6	3	0	0
					18.18%	54.55%	27.27 %		
DEORIA	10	3.14	6.57	0	7	3	0	0	0
					70.00%	30.00%			
ETAH	21	2.08	10.47	0	4	15	2	0	0
					19.05%	71.43%	9.52 %		
ETAWAH	8	4.85	38.50	0	1	5	0	2	0
					12.50%	62.50%		25.00%	
FAIZABAD	13	3.80	7.33	0	5	8	0	0	0
					38.46%	61.54%			
FARRUKHABAD	8	5.08	19.08	0	0	5	3	0	0
						62.50%	37.50 %		
FATEHPUR	15	3.19	24.26	0	3	7	4	1	0
					20.00%	46.67%	26.67 %	6.67%	
FIROZABAD	8	0.13	20.90	1	1	3	2	1	0
				12.50%	12.50%	37.50%	25.00 %	12.50%	

GAUTAM BUDDHA	6	8.28	25.39	0	0	1 16.67%	3 50.00 %	2 33.33%	0
GHAZIABAD	13	3.42	16.16	0	2 15.38%	7 53.85%	4 30.77 %	0	0
GHAZIPUR	20	0.90	16.12	1 5.00%	6 30.00%	7 35.00%	6 30.00 %	0	0
GONDA	10	2.80	6.70	0	9 90.00%	1 10.00%	0	0	0
GORAKHPUR	3	3.42	6.62	0	2 66.67%	1 33.33%	0	0	0
HAMIRPUR	12	1.42	28.67	1 8.33%	3 25.00%	4 33.33%	3 25.00 %	1 8.33%	0
HARDOI	28	2.47	10.10	0	19 67.86%	8 28.57%	1 3.57 %	0	0
HATHRAS	8	3.58	17.84	0	3 37.50%	2 25.00%	3 37.50 %	0	0
JALAUN	31	0.46	29.35	3 9.68%	12 38.71%	7 22.58%	5 16.13 %	4 12.90%	0
JAUNPUR	23	2.42	14.75	0	13 56.52%	9 39.13%	1 4.35 %	0	0
JHANSI	24	1.40	21.12	1 4.17%	7 29.17%	13 54.17%	2 8.33 %	1 4.17%	0
JYOTIBA PHULE N	10	5.85	14.91	0	0	2 20.00%	8 80.00 %	0	0
KANNAUJ	10	0.76	24.19	2 20.00%	1 10.00%	2 20.00%	2 20.00 %	3 30.00%	0
KANPUR DEHAT	8	3.83	16.72	0	1 12.50%	4 50.00%	3 37.50 %	0	0
KANPUR NAGAR	14	2.69	12.71	0	6 42.86%	5 35.71%	3 21.43 %	0	0

District									
KAUSHAMBI	12	6.03	20.72	0	0	3 25.00%	8 66.67 %	1 8.33%	0
KHERI	13	2.85	9.21	0	7 53.85%	6 46.15%	0	0	0
KUSHINAGAR	10	2.71	6.02	0	8 80.00%	2 20.00%	0	0	0
LALITPUR	19	1.60	14.44	1 5.26%	5 26.32%	12 63.16%	1 5.26 %	0	0
LUCKNOW	42	2.90	34.90	0	4 9.52%	16 38.10%	14 33.33 %	8 19.05%	0
MAHOBA	8	2.65	7.12	0	6 75.00%	2 25.00%	0	0	0
MAHRAJGANJ	7	2.62	5.09	0	6 85.71%	1 14.29%	0	0	0
MAINPURI	9	0.97	25.51	1 11.11%	3 33.33%	4 44.44%	0	1 11.11%	0
MATHURA	16	2.25	14.92	0	10 62.50%	3 18.75%	3 18.75 %	0	0
MAU	8	2.77	7.35	0	2 25.00%	6 75.00%	0	0	0
MEERUT	6	6.79	17.17	0	0	3 50.00%	3 50.00 %	0	0
MIRZAPUR	13	3.44	18.12	0	4 30.77%	3 23.08%	6 46.15 %	0	0
MORADABAD	20	2.33	15.25	0	6 30.00%	2 10.00%	12 60.00 %	0	0
MUZAFFARNAGA	17	2.57	21.80	0	4 23.53%	2 11.76%	9 52.94 %	2 11.76%	0
PILIBHIT	12	3.10	5.35	0	10 83.33%	2 16.67%	0	0	0

PRATAPGARH	26	3.36	11.78	0	9 34.62%	15 57.69%	2 7.69 %	0	0
RAE BARELI	29	2.22	13.50	0	19 65.52%	8 27.59%	2 6.90 %	0	0
RAMPUR	5	4.07	9.76	0	2 40.00%	3 60.00%	0	0	0
SAHARANPUR	14	4.23	16.13	0	2 14.29%	7 50.00%	5 35.71 %	0	0
SANT KABIR NAGA	5	3.26	4.86	0	5 100.00%	0	0	0	0
SANT RAVIDAS NA	5	5.80	10.95	0	0	4 80.00%	1 20.00 %	0	0
SHAHJAHANPUR	8	1.51	7.50	1 12.50%	3 37.50%	4 50.00%	0	0	0
SHRAWASTI	14	3.26	8.47	0	9 64.29%	5 35.71%	0	0	0
SIDDHARTHNAGA	11	2.20	6.80	0	9 81.82%	2 18.18%	0	0	0
SITAPUR	22	2.95	9.89	0	11 50.00%	11 50.00%	0	0	0
SONBHADRA	17	1.88	14.52	1 5.88%	1 5.88%	12 70.59%	3 17.65 %	0	0
SULTANPUR	41	2.95	14.80	0	16 39.02%	17 41.46%	8 19.51 %	0	0
UNNAO	26	1.52	12.33	2 7.69%	11 42.31%	12 46.15%	1 3.85 %	0	0
VARANASI	12	4.23	19.29	0	2 16.67%	1 8.33%	9 75.00 %	0	0
Total	1038	0.13	47.51	22	391	404	180	39	2

Depth to Water Table
Distribution of Percentage of Observation Wells
2014/Aug

State   : Uttar Pradesh

District	No. of Wells Analysed	Depth to Water Table (mbgl)		No. / Percentage of Wells Showing Depth to Water Table (mbgl) in the Range of					
		Min	Max	0.0 - 2.0	2.0 - 5.0	5.0 - 10.0	10.0 - 20.0	20.0 - 40.0	> 40.0
AGRA	17	0.51	47.35	1	1	3	4	6	2
				5.88%	5.88%	17.65%	23.53 %	35.29%	11.76%
ALIGARH	11	0.76	13.87	2	4	4	1	0	0
				18.18%	36.36%	36.36%	9.09 %		
ALLAHABAD	33	0.96	14.75	4	18	5	6	0	0
				12.12%	54.55%	15.15%	18.18 %		
AMBEDKAR NAGA	12	0.49	6.85	1	9	2	0	0	0
				8.33%	75.00%	16.67%			
AURAIYA	12	0.64	12.90	3	4	3	2	0	0
				25.00%	33.33%	25.00%	16.67 %		
AZAMGARH	20	0.40	9.02	7	8	5	0	0	0
				35.00%	40.00%	25.00%			
BAHRAICH	16	0.62	10.70	6	4	5	1	0	0
				37.50%	25.00%	31.25%	6.25 %		
BALLIA	18	1.05	9.30	3	7	8	0	0	0
				16.67%	38.89%	44.44%			
BALRAMPUR	15	0.80	8.40	9	4	2	0	0	0
				60.00%	26.67%	13.33%			
BANDA	17	0.40	20.92	5	5	4	2	1	0
				29.41%	29.41%	23.53%	11.76 %	5.88%	
BARABANKI	27	0.55	10.50	8	10	8	1	0	0
				29.63%	37.04%	29.63%	3.70 %		

BAREILLY	18	1.50	12.26	1 5.56%	8 44.44%	7 38.89%	2 11.11 %	0	0
BASTI	7	1.10	5.77	1 14.29%	5 71.43%	1 14.29%	0	0	0
BIJNOR	9	0.36	19.60	2 22.22%	2 22.22%	1 11.11%	4 44.44 %	0	0
BUDAUN	16	2.97	14.41	0	2 12.50%	6 37.50%	8 50.00 %	0	0
BULANDSHAHR	9	3.95	11.21	0	2 22.22%	5 55.56%	2 22.22 %	0	0
CHANDAULI	9	0.15	13.10	2 22.22%	5 55.56%	1 11.11%	1 11.11 %	0	0
CHITRAKOOT	11	0.99	14.73	1 9.09%	2 18.18%	5 45.45%	3 27.27 %	0	0
DEORIA	10	0.10	3.28	7 70.00%	3 30.00%	0	0	0	0
ETAH	21	2.33	10.94	0	6 28.57%	10 47.62%	5 23.81 %	0	0
ETAWAH	7	2.47	35.10	0	3 42.86%	2 28.57%	0	2 28.57%	0
FAIZABAD	10	0.25	5.60	3 30.00%	5 50.00%	2 20.00%	0	0	0
FARRUKHABAD	7	5.51	19.41	0	0	5 71.43%	2 28.57 %	0	0
FATEHPUR	15	1.77	24.47	1 6.67%	2 13.33%	7 46.67%	3 20.00 %	2 13.33%	0
FIROZABAD	8	0.26	21.52	1 12.50%	1 12.50%	4 50.00%	1 12.50 %	1 12.50%	0
GAUTAM BUDDHA	7	4.10	26.35	0	1 14.29%	1 14.29%	3 42.86 %	2 28.57%	0

GHAZIPUR	21	0.04	13.70	4	6	9	2	0	0
				19.05%	28.57%	42.86%	9.52 %		
GONDA	9	2.30	5.90	0	8	1	0	0	0
					88.89%	11.11%			
GORAKHPUR	6	0.63	5.40	5	0	1	0	0	0
				83.33%		16.67%			
HAMIRPUR	12	1.15	28.86	3	3	3	2	1	0
				25.00%	25.00%	25.00%	16.67 %	8.33%	
HARDOI	25	1.61	10.55	1	11	12	1	0	0
				4.00%	44.00%	48.00%	4.00 %		
HATHRAS	10	0.48	18.25	1	3	3	3	0	0
				10.00%	30.00%	30.00%	30.00 %		
JALAUN	32	0.23	28.56	5	12	5	7	3	0
				15.63%	37.50%	15.63%	21.88 %	9.38%	
JAUNPUR	20	1.19	14.17	6	7	6	1	0	0
				30.00%	35.00%	30.00%	5.00 %		
JHANSI	20	0.06	21.03	3	10	6	0	1	0
				15.00%	50.00%	30.00%		5.00%	
JYOTIBA PHULE N	10	5.95	15.17	0	0	2	8	0	0
						20.00%	80.00 %		
KANNAUJ	10	0.51	23.98	1	2	3	2	2	0
				10.00%	20.00%	30.00%	20.00 %	20.00%	
KANPUR DEHAT	7	3.08	14.99	0	4	2	1	0	0
					57.14%	28.57%	14.29 %		
KANPUR NAGAR	17	0.88	28.42	2	3	5	4	3	0
				11.76%	17.65%	29.41%	23.53 %	17.65%	
KAUSHAMBI	12	5.11	19.12	0	0	4	8	0	0
						33.33%	66.67 %		
KHERI	14	0.97	7.23	2	9	3	0	0	0
				14.29%	64.29%	21.43%			

KUSHINAGAR	11	0.11	3.98	10 90.91%	1 9.09%	0	0	0	0
LALITPUR	15	0.86	6.42	3 20.00%	7 46.67%	5 33.33%	0	0	0
LUCKNOW	40	0.15	35.14	3 7.50%	3 7.50%	15 37.50%	12 30.00 %	7 17.50%	0
MAHOBA	8	1.35	6.15	2 25.00%	4 50.00%	2 25.00%	0	0	0
MAHRAJGANJ	6	0.53	2.02	5 83.33%	1 16.67%	0	0	0	0
MAINPURI	11	0.90	25.67	2 18.18%	7 63.64%	1 9.09%	0	1 9.09%	0
MATHURA	16	0.53	14.95	5 31.25%	6 37.50%	1 6.25%	4 25.00 %	0	0
MAU	7	1.54	6.66	1 14.29%	2 28.57%	4 57.14%	0	0	0
MIRZAPUR	12	1.29	10.09	3 25.00%	5 41.67%	3 25.00%	1 8.33 %	0	0
MORADABAD	18	1.11	15.90	1 5.56%	3 16.67%	1 5.56%	13 72.22 %	0	0
PILIBHIT	10	1.95	4.15	1 10.00%	9 90.00%	0	0	0	0
PRATAPGARH	26	2.85	11.44	0	10 38.46%	13 50.00%	3 11.54 %	0	0
RAE BARELI	28	0.30	10.90	16 57.14%	7 25.00%	3 10.71%	2 7.14 %	0	0
RAMPUR	5	4.14	10.47	0	2 40.00%	2 40.00%	1 20.00 %	0	0
SANT KABIR NAGA	5	0.48	1.70	5 100.00%	0	0	0	0	0

SANT RAVIDAS NA	4	4.06	8.07	0	1 25.00%	3 75.00%	0	0	0
SHAHJAHANPUR	11	1.39	7.23	1 9.09%	5 45.45%	5 45.45%	0	0	0
SHRAWASTI	11	0.74	4.20	7 63.64%	4 36.36%	0	0	0	0
SIDDHARTHNAGA	11	1.01	3.92	4 36.36%	7 63.64%	0	0	0	0
SITAPUR	28	1.09	10.11	2 7.14%	12 42.86%	13 46.43%	1 3.57 %	0	0
SONBHADRA	17	0.70	14.03	2 11.76%	11 64.71%	2 11.76%	2 11.76 %	0	0
SULTANPUR	36	0.50	15.10	7 19.44%	17 47.22%	5 13.89%	7 19.44 %	0	0
UNNAO	26	0.25	11.31	6 23.08%	9 34.62%	10 38.46%	1 3.85 %	0	0
VARANASI	12	1.53	15.44	2 16.67%	1 8.33%	3 25.00%	6 50.00 %	0	0
Total	961	0.04	47.35	189	333	262	143	32	2

Depth to Water Table
Distribution of Percentage of Observation Wells
2014/Nov

State **: Uttar Pradesh**

District	No. of Wells Analysed	Depth to Water Table (mbgl)		No. / Percentage of Wells Showing Depth to Water Table (mbgl) in the Range of					
		Min	Max	0.0 - 2.0	2.0 - 5.0	5.0 - 10.0	10.0 - 20.0	20.0 - 40.0	> 40.0
AGRA	18	1.10	48.86	1	1	4	4	6	2
				5.56%	5.56%	22.22%	22.22 %	33.33%	11.11%
ALIGARH	9	1.43	13.63	1	3	4	1	0	0
				11.11%	33.33%	44.44%	11.11 %		
ALLAHABAD	30	0.73	15.48	8	12	2	8	0	0
				26.67%	40.00%	6.67%	26.67 %		
AMBEDKAR NAGA	14	2.25	7.44	0	8	6	0	0	0
					57.14%	42.86%			
AURAIYA	13	0.59	14.15	4	3	3	3	0	0
				30.77%	23.08%	23.08%	23.08 %		
AZAMGARH	22	1.17	8.70	5	11	6	0	0	0
				22.73%	50.00%	27.27%			
BAHRAICH	14	0.99	9.28	6	5	3	0	0	0
				42.86%	35.71%	21.43%			
BALLIA	17	1.45	8.33	4	7	6	0	0	0
				23.53%	41.18%	35.29%			
BALRAMPUR	17	0.45	8.66	5	10	2	0	0	0
				29.41%	58.82%	11.76%			
BANDA	14	0.85	21.40	2	6	3	2	1	0
				14.29%	42.86%	21.43%	14.29 %	7.14%	
BARABANKI	27	1.40	10.23	2	16	8	1	0	0
				7.41%	59.26%	29.63%	3.70 %		

BAREILLY	17	1.80	10.93	1 5.88%	6 35.29%	9 52.94%	1 5.88 %	0	0
BASTI	8	1.44	4.74	1 12.50%	7 87.50%	0	0	0	0
BIJNOR	9	1.16	17.42	1 11.11%	3 33.33%	2 22.22%	3 33.33 %	0	0
BUDAUN	18	2.89	15.40	0	2 11.11%	7 38.89%	9 50.00 %	0	0
BULANDSHAHR	4	5.22	10.76	0	0	3 75.00%	1 25.00 %	0	0
CHANDAULI	9	0.68	13.19	2 22.22%	5 55.56%	1 11.11%	1 11.11 %	0	0
CHITRAKOOT	10	3.35	16.83	0	2 20.00%	3 30.00%	5 50.00 %	0	0
DEORIA	10	1.44	4.02	4 40.00%	6 60.00%	0	0	0	0
ETAH	20	2.25	11.24	0	4 20.00%	10 50.00%	6 30.00 %	0	0
ETAWAH	10	1.56	36.05	1 10.00%	2 20.00%	4 40.00%	1 10.00 %	2 20.00%	0
FAIZABAD	15	2.05	7.75	0	9 60.00%	6 40.00%	0	0	0
FARRUKHABAD	6	5.70	20.38	0	0	1 16.67%	4 66.67 %	1 16.67%	0
FATEHPUR	13	2.02	25.83	0	5 38.46%	5 38.46%	1 7.69 %	2 15.38%	0
FIROZABAD	8	1.40	22.63	1 12.50%	1 12.50%	3 37.50%	2 25.00 %	1 12.50%	0
GAUTAM BUDDHA	7	8.29	26.81	0	0	1 14.29%	4 57.14 %	2 28.57%	0

GHAZIABAD	8	6.28	16.04	0	0	5 62.50%	3 37.50 %	0	0
GHAZIPUR	19	0.33	14.48	2 10.53%	9 47.37%	6 31.58%	2 10.53 %	0	0
GONDA	10	2.30	6.42	0	9 90.00%	1 10.00%	0	0	0
GORAKHPUR	6	1.16	3.29	3 50.00%	3 50.00%	0	0	0	0
HAMIRPUR	11	2.29	29.27	0	5 45.45%	2 18.18%	3 27.27 %	1 9.09%	0
HARDOI	25	2.20	10.83	0	12 48.00%	12 48.00%	1 4.00 %	0	0
HATHRAS	8	2.37	16.76	0	4 50.00%	2 25.00%	2 25.00 %	0	0
JALAUN	28	2.22	31.50	0	11 39.29%	7 25.00%	5 17.86 %	5 17.86%	0
JAUNPUR	10	2.01	13.79	0	6 60.00%	3 30.00%	1 10.00 %	0	0
JHANSI	18	2.09	20.86	0	9 50.00%	6 33.33%	2 11.11 %	1 5.56%	0
JYOTIBA PHULE N	10	5.93	15.28	0	0	2 20.00%	8 80.00 %	0	0
KANNAUJ	10	0.80	24.20	1 10.00%	1 10.00%	4 40.00%	1 10.00 %	3 30.00%	0
KANPUR DEHAT	7	3.78	15.66	0	2 28.57%	4 57.14%	1 14.29 %	0	0
KANPUR NAGAR	15	0.88	29.35	2 13.33%	3 20.00%	5 33.33%	2 13.33 %	3 20.00%	0
KHERI	14	1.42	8.09	2 14.29%	9 64.29%	3 21.43%	0	0	0

KUSHINAGAR	11	1.03	3.28	8 72.73%	3 27.27%	0	0	0	0
LALITPUR	14	1.55	8.49	3 21.43%	4 28.57%	7 50.00%	0	0	0
LUCKNOW	39	1.35	35.40	3 7.69%	1 2.56%	15 38.46%	12 30.77 %	8 20.51%	0
MAHOBA	8	2.08	7.76	0	5 62.50%	3 37.50%	0	0	0
MAHRAJGANJ	7	0.93	2.96	5 71.43%	2 28.57%	0	0	0	0
MAINPURI	11	1.55	30.80	1 9.09%	6 54.55%	3 27.27%	0	1 9.09%	0
MATHURA	16	1.44	15.32	1 6.25%	10 62.50%	2 12.50%	3 18.75 %	0	0
MAU	8	2.62	6.67	0	3 37.50%	5 62.50%	0	0	0
MEERUT	4	9.21	18.21	0	0	1 25.00%	3 75.00 %	0	0
MIRZAPUR	13	2.03	14.68	0	5 38.46%	3 23.08%	5 38.46 %	0	0
MORADABAD	17	0.47	15.83	1 5.88%	3 17.65%	2 11.76%	11 64.71 %	0	0
MUZAFFARNAGA	9	3.50	21.15	0	1 11.11%	2 22.22%	5 55.56 %	1 11.11%	0
PILIBHIT	12	2.35	4.65	0	12 100.00%	0	0	0	0
RAE BARELI	30	1.09	11.10	12 40.00%	13 43.33%	3 10.00%	2 6.67 %	0	0
RAMPUR	5	4.41	8.58	0	1 20.00%	4 80.00%	0	0	0

SAHARANPUR	6	2.93	10.55	0	2 33.33%	3 50.00%	1 16.67 %	0	0
SANT KABIR NAGA	5	0.74	2.96	3 60.00%	2 40.00%	0	0	0	0
SANT RAVIDAS NA	4	4.06	9.82	0	1 25.00%	3 75.00%	0	0	0
SHAHJAHANPUR	8	1.45	7.49	1 12.50%	1 12.50%	6 75.00%	0	0	0
SHRAWASTI	14	1.22	6.37	5 35.71%	8 57.14%	1 7.14%	0	0	0
SIDDHARTHNAGA	10	1.22	5.73	6 60.00%	3 30.00%	1 10.00%	0	0	0
SITAPUR	27	2.22	10.13	0	13 48.15%	13 48.15%	1 3.70 %	0	0
SONBHADRA	17	1.50	14.50	1 5.88%	5 29.41%	9 52.94%	2 11.76 %	0	0
SULTANPUR	43	1.15	13.90	6 13.95%	22 51.16%	7 16.28%	8 18.60 %	0	0
UNNAO	28	0.52	14.91	6 21.43%	9 32.14%	11 39.29%	2 7.14 %	0	0
VARANASI	12	2.45	17.03	0	2 16.67%	2 16.67%	8 66.67 %	0	0
Total	936	0.33	48.86	121	354	270	151	38	2

Depth to Water Table
Distribution of Percentage of Observation Wells
2015/Jan

State : **Uttar Pradesh**

District	No. of Wells Analysed	Depth to Water Table (mbgl)		No. / Percentage of Wells Showing Depth to Water Table (mbgl) in the Range of					
		Min	Max	0.0 - 2.0	2.0 - 5.0	5.0 - 10.0	10.0 - 20.0	20.0 - 40.0	> 40.0
AGRA	17	1.05	49.00	1	0	5	4	5	2
				5.88%		29.41%	23.53 %	29.41%	11.76%
ALLAHABAD	30	0.84	16.24	6	15	2	7	0	0
				20.00%	50.00%	6.67%	23.33 %		
AMBEDKAR NAGA	10	2.74	6.69	0	4	6	0	0	0
					40.00%	60.00%			
AURAIYA	11	1.62	15.30	2	3	4	2	0	0
				18.18%	27.27%	36.36%	18.18 %		
AZAMGARH	19	1.70	8.41	2	9	8	0	0	0
				10.53%	47.37%	42.11%			
BAHRAICH	14	1.18	9.66	5	6	3	0	0	0
				35.71%	42.86%	21.43%			
BALLIA	18	1.92	9.82	1	7	10	0	0	0
				5.56%	38.89%	55.56%			
BALRAMPUR	17	0.30	9.19	3	12	2	0	0	0
				17.65%	70.59%	11.76%			
BARABANKI	27	2.80	11.10	0	12	14	1	0	0
					44.44%	51.85%	3.70 %		
BAREILLY	17	1.87	11.11	1	4	11	1	0	0
				5.88%	23.53%	64.71%	5.88 %		
BASTI	8	2.31	5.38	0	7	1	0	0	0
					87.50%	12.50%			

District									
BIJNOR	9	1.62	17.42	1 11.11%	3 33.33%	2 22.22%	3 33.33 %	0	0
BUDAUN	13	5.24	15.53	0	0	6 46.15%	7 53.85 %	0	0
BULANDSHAHR	3	5.48	10.66	0	0	2 66.67%	1 33.33 %	0	0
DEORIA	9	1.62	6.14	2 22.22%	6 66.67%	1 11.11%	0	0	0
ETAH	19	1.85	10.80	1 5.26%	3 15.79%	12 63.16%	3 15.79 %	0	0
ETAWAH	8	2.05	36.25	0	3 37.50%	2 25.00%	1 12.50 %	2 25.00%	0
FAIZABAD	12	2.20	6.70	0	9 75.00%	3 25.00%	0	0	0
FARRUKHABAD	6	5.60	19.48	0	0	2 33.33%	4 66.67 %	0	0
FIROZABAD	7	1.32	21.25	1 14.29%	0	4 57.14%	1 14.29 %	1 14.29%	0
GAUTAM BUDDHA	7	8.79	27.18	0	0	1 14.29%	4 57.14 %	2 28.57%	0
GHAZIPUR	19	0.55	14.72	1 5.26%	9 47.37%	5 26.32%	4 21.05 %	0	0
GONDA	10	2.63	6.72	0	8 80.00%	2 20.00%	0	0	0
GORAKHPUR	6	1.55	6.06	1 16.67%	4 66.67%	1 16.67%	0	0	0
HARDOI	25	2.50	10.50	0	11 44.00%	13 52.00%	1 4.00 %	0	0
HATHRAS	7	2.74	16.70	0	3 42.86%	2 28.57%	2 28.57 %	0	0

JALAUN	27	-1.25	23.39	4	6	10	4	3	0
				14.81%	22.22%	37.04%	14.81 %	11.11%	
JAUNPUR	11	0.87	7.30	1	7	3	0	0	0
				9.09%	63.64%	27.27%			
JHANSI	18	1.88	21.02	1	9	6	1	1	0
				5.56%	50.00%	33.33%	5.56 %	5.56%	
JYOTIBA PHULE N	9	5.99	15.00	0	0	2	7	0	0
						22.22%	77.78 %		
KANNAUJ	10	0.72	23.05	1	2	3	2	2	0
				10.00%	20.00%	30.00%	20.00 %	20.00%	
KANPUR DEHAT	8	4.26	17.50	0	2	4	2	0	0
					25.00%	50.00%	25.00 %		
KANPUR NAGAR	14	1.50	29.61	1	4	5	2	2	0
				7.14%	28.57%	35.71%	14.29 %	14.29%	
KAUSHAMBI	10	6.08	20.91	0	0	2	6	2	0
						20.00%	60.00 %	20.00%	
KHERI	12	1.54	8.81	2	7	3	0	0	0
				16.67%	58.33%	25.00%			
KUSHINAGAR	10	1.45	4.78	4	6	0	0	0	0
				40.00%	60.00%				
LALITPUR	16	1.85	9.90	1	6	9	0	0	0
				6.25%	37.50%	56.25%			
LUCKNOW	39	2.20	35.45	0	4	17	12	6	0
					10.26%	43.59%	30.77 %	15.38%	
MAHRAJGANJ	6	2.10	4.47	0	6	0	0	0	0
					100.00%				
MAINPURI	11	0.87	25.40	1	6	3	0	1	0
				9.09%	54.55%	27.27%		9.09%	
MATHURA	16	1.37	15.27	1	9	3	3	0	0
				6.25%	56.25%	18.75%	18.75 %		

MAU	8	2.92	7.06	0	2 25.00%	6 75.00%	0	0	0
MORADABAD	18	1.27	15.60	1 5.56%	3 16.67%	1 5.56%	13 72.22 %	0	0
PILIBHIT	9	3.16	4.72	0	9 100.00%	0	0	0	0
PRATAPGARH	1	2.71	2.71	0	1 100.00%	0	0	0	0
RAE BARELI	30	1.77	11.10	4 13.33%	19 63.33%	5 16.67%	2 6.67 %	0	0
RAMPUR	4	4.03	9.83	0	2 50.00%	2 50.00%	0	0	0
SANT KABIR NAGA	5	1.97	4.36	1 20.00%	4 80.00%	0	0	0	0
SHAHJAHANPUR	10	3.14	7.69	0	2 20.00%	8 80.00%	0	0	0
SHRAWASTI	14	1.60	6.58	2 14.29%	10 71.43%	2 14.29%	0	0	0
SIDDHARTHNAGA	11	1.22	5.76	4 36.36%	6 54.55%	1 9.09%	0	0	0
SITAPUR	23	2.39	10.36	0	11 47.83%	11 47.83%	1 4.35 %	0	0
SULTANPUR	40	1.10	13.65	4 10.00%	21 52.50%	7 17.50%	8 20.00 %	0	0
UNNAO	29	0.91	12.88	5 17.24%	10 34.48%	12 41.38%	2 6.90 %	0	0
Total	767	-1.25	49.00	66	312	249	111	27	2

District Wise - Fluctuation and Frequency Distribution From Different Ranges from One Period to Other

From Year: 2014/May   - **To Year:** 2014/Nov

State   :   Uttar Pradesh

District Name	No. of Wells	Range of Fluctuation (m)				No. of Wells/Percentage Showing Fluctuation						Total No. of Wells	
		Rise		Fall		Rise			Fall			Rise	Fall
		Min	Max	Min	Max	0 to 2	2 to 4	>4	0 to 2	2 to 4	>4		
AGRA	18	0.36	4.77	0.27	4.22	1 5.56%	1 5.56 %	1 5.56%	12 66.67%	2 11.11%	1 5.56%	3	15
ALIGARH	9	0.14	1.39	0.08	5.04	7 77.78%	0	0	1 11.11%	0	1 11.11%	7	2
ALLAHABAD	25	0.02	5.81	0.08	1.26	13 52.00%	2 8.00 %	1 4.00%	9 36.00%	0	0	16	9
AMBEDKAR NAGAR	13	0.40	2.42	0.15	1.05	8 61.54%	1 7.69 %	0	4 30.77%	0	0	9	4
AURAIYA	11	0.22	4.55	0.01	1.53	2 18.18%	2 18.18 %	1 9.09%	6 54.55%	0	0	5	6
AZAMGARH	20	0.60	2.86	0.14	0.74	10 50.00%	6 30.00 %	0	3 15.00%	0	0	16	3
BAHRAICH	14	0.16	3.44	-	-	11 78.57%	3 21.43 %	0	0	0	0	14	0
BALLIA	16	0.07	3.64	-	-	11 68.75%	4 25.00 %	0	0	0	0	15	0
BALRAMPUR	16	0.05	2.53	0.11	0.11	9 56.25%	6 37.50 %	0	1 6.25%	0	0	15	1

BANDA	14	0.15	3.71	0.56	3.85	5 35.71%	3 21.43 %	0	3 21.43%	2 14.29%	0	8	5
BARABANKI	23	0.27	4.94	0.05	0.50	12 52.17%	7 30.43 %	2 8.70%	2 8.70%	0	0	21	2
BAREILLY	16	0.03	1.20	0.01	0.83	5 31.25%	0	0	11 68.75%	0	0	5	11
BASTI	8	0.30	2.66	1.83	1.83	6 75.00%	1 12.50 %	0	1 12.50%	0	0	7	1
BIJNOR	9	0.23	2.64	0.13	1.49	4 44.44%	1 11.11 %	0	4 44.44%	0	0	5	4
BUDAUN	18	0.70	2.19	0.11	1.05	1 5.56%	1 5.56 %	0	16 88.89%	0	0	2	16
BULANDSHAHR	4	0.54	0.54	0.06	2.06	1 25.00%	0	0	2 50.00%	1 25.00%	0	1	3
CHANDAULI	9	0.15	3.93	-	-	6 66.67%	3 33.33 %	0	0	0	0	9	0
CHITRAKOOT	10	0.20	4.18	0.21	7.30	1 10.00%	1 10.00 %	1 10.00%	5 50.00%	1 10.00%	1 10.00%	3	7
DEORIA	10	1.21	3.27	-	-	6 60.00%	4 40.00 %	0	0	0	0	10	0
ETAH	20	0.66	0.82	0.10	1.52	2 10.00%	0	0	17 85.00%	0	0	2	17
ETAWAH	8	2.00	2.98	0.31	4.90	1 12.50%	3 37.50 %	0	3 37.50%	0	1 12.50%	4	4

FAIZABAD	13	1.16	3.10	0.05	0.95	6 46.15%	2 15.38 %	0	4 30.77%	0	0	8	4
FARRUKHA BAD	6	-	-	0.59	1.30	0	0	0	6 100.0%	0	0	0	6
FATEHPUR	13	0.50	6.95	0.85	2.67	6 46.15%	0	1 7.69%	5 38.46%	1 7.69%	0	7	6
FIROZABAD	8	0.20	1.74	0.12	1.73	4 50.00%	0	0	4 50.00%	0	0	4	4
GAUTAM BUDDHA NAGAR	6	0.04	0.15	0.01	1.42	2 33.33%	0	0	4 66.67%	0	0	2	4
GHAZIABAD	8	0.35	0.35	0.12	1.22	1 12.50%	0	0	7 87.50%	0	0	1	7
GHAZIPUR	19	0.23	3.78	0.36	0.36	13 68.42%	5 26.32 %	0	1 5.26%	0	0	18	1
GONDA	10	0.01	1.18	-	-	10 100.00%	0	0	0	0	0	10	0
GORAKHPU R	3	1.90	3.33	-	-	1 33.33%	2 66.67 %	0	0	0	0	3	0
HAMIRPUR	11	0.06	11.58	0.23	2.20	1 9.09%	0	1 9.09%	8 72.73%	1 9.09%	0	2	9
HARDOI	25	0.03	0.48	0.05	1.40	8 32.00%	0	0	17 68.00%	0	0	8	17

District													
HATHRAS	7	0.01	1.21	0.27	1.17	3 42.86%	0	0	4 57.14%	0	0	3	4
JALAUN	26	0.21	3.70	0.32	11.57	9 34.62%	4 15.38 %	0	7 26.92%	5 19.23%	1 3.85%	13	13
JAUNPUR	10	0.41	4.93	-	-	7 70.00%	2 20.00 %	1 10.00%	0	0	0	10	0
JHANSI	18	0.05	7.81	0.42	4.01	11 61.11%	1 5.56 %	1 5.56%	2 11.11%	2 11.11%	1 5.56%	13	5
JYOTIBA PHULE NAGAR	10	0.27	0.27	0.08	0.70	1 10.00%	0	0	9 90.00%	0	0	1	9
KANNAUJ	10	6.10	6.10	0.01	1.30	0	0	1 10.00%	9 90.00%	0	0	1	9
KANPUR DEHAT	6	0.05	8.66	0.84	0.84	4 66.67%	0	1 16.67%	1 16.67%	0	0	5	1
KANPUR NAGAR	12	0.20	2.86	0.04	1.04	5 41.67%	2 16.67 %	0	5 41.67%	0	0	7	5
KHERI	12	0.86	2.63	0.61	0.61	9 75.00%	2 16.67 %	0	1 8.33%	0	0	11	1
KUSHINAGAR	10	0.98	3.49	-	-	7 70.00%	3 30.00 %	0	0	0	0	10	0
LALITPUR	14	0.29	3.80	0.05	1.50	5 35.71%	2 14.29 %	0	7 50.00%	0	0	7	7

LUCKNOW	38	0.05	3.10	0.10	1.34	14 36.84%	3 7.89 %	0	21 55.26%	0	0	17	21
MAHOBA	8	0.05	0.57	0.09	3.15	2 25.00%	0	0	5 62.50%	1 12.50%	0	2	6
MAHRAJGANJ	7	1.08	2.32	-	-	4 57.14%	3 42.86 %	0	0	0	0	7	0
MAINPURI	9	0.09	1.14	0.23	5.29	4 44.44%	0	0	4 44.44%	0	1 11.11%	4	5
MATHURA	16	0.33	1.81	0.05	1.44	7 43.75%	0	0	9 56.25%	0	0	7	9
MAU	8	0.15	1.32	1.06	1.06	7 87.50%	0	0	1 12.50%	0	0	7	1
MEERUT	3	0.80	0.80	1.04	1.69	1 33.33%	0	0	2 66.67%	0	0	1	2
MIRZAPUR	12	0.07	5.99	-	-	9 75.00%	2 16.67 %	1 8.33%	0	0	0	12	0
MORADABAD	17	0.22	1.86	0.12	0.96	4 23.53%	0	0	13 76.47%	0	0	4	13
MUZAFFAR NAGAR	8	0.70	0.70	0.05	0.71	1 12.50%	0	0	7 87.50%	0	0	1	7
PILIBHIT	12	0.15	1.39	-	-	12 100.00%	0	0	0	0	0	12	0
RAE BARELI	29	0.47	3.00	0.15	1.35	13 44.83%	12 41.38 %	0	3 10.34%	0	0	25	3

RAMPUR	5	0.40	4.67	0.27	0.43	1 20.00%	0	1 20.00%	3 60.00%	0	0	2	3
SAHARANPUR	4	0.36	2.01	0.42	0.42	2 50.00%	1 25.00 %	0	1 25.00%	0	0	3	1
SANT KABIR NAGAR	5	1.86	3.19	-	-	2 40.00%	3 60.00 %	0	0	0	0	5	0
SANT RAVIDAS NAGAR	4	0.84	1.74	0.19	0.19	3 75.00%	0	0	1 25.00%	0	0	3	1
SHAHJAHANPUR	7	0.06	2.45	0.58	0.81	3 42.86%	1 14.29 %	0	3 42.86%	0	0	4	3
SHRAWASTI	14	0.42	2.98	-	-	10 71.43%	4 28.57 %	0	0	0	0	14	0
SIDDHARTH NAGAR	10	1.07	3.24	-	-	4 40.00%	6 60.00 %	0	0	0	0	10	0
SITAPUR	22	0.03	2.04	0.21	0.27	16 72.73%	1 4.55 %	0	4 18.18%	0	0	17	4
SONBHADRA	17	0.38	5.09	0.10	0.75	8 47.06%	6 35.29 %	1 5.88%	2 11.76%	0	0	15	2
SULTANPUR	39	0.25	3.41	0.09	0.80	21 53.85%	9 23.08 %	0	9 23.08%	0	0	30	9
UNNAO	24	0.10	4.23	0.01	1.00	16 66.67%	0	1 4.17%	7 29.17%	0	0	17	7

VARANASI	12	0.20	3.90	-	-	7 58.33%	5 41.67 %	0	0	0	0	12	0
Total	878	6.10	0.15			406	130	16	296	16	7	552	319

District Wise - Fluctuation and Frequency Distribution From Different Ranges from One Period to Other

From Year: 2014/May   - **To Year:** 2015/Jan

State   :   Uttar Pradesh

District Name	No. of Wells	Range of Fluctuation (m)				No. of Wells/Percentage Showing Fluctuation						Total No. of Wells	
		Rise		Fall		Rise			Fall			Rise	Fall
		Min	Max	Min	Max	0 to 2	2 to 4	>4	0 to 2	2 to 4	>4		
AGRA	16	1.15	3.18	0.15	5.48	1 6.25%	1 6.25 %	0	12 75.00%	1 6.25%	1 6.25%	2	14
ALLAHABAD	28	0.02	5.06	0.16	2.73	15 53.57%	3 10.71 %	1 3.57%	8 28.57%	1 3.57%	0	19	9
AMBEDKAR NAGAR	9	0.22	1.93	0.70	0.70	8 88.89%	0	0	1 11.11%	0	0	8	1
AURAIYA	10	0.62	2.73	0.14	3.21	3 30.00%	1 10.00 %	0	3 30.00%	3 30.00%	0	4	6
AZAMGARH	19	0.55	2.17	0.49	1.09	14 73.68%	1 5.26 %	0	4 21.05%	0	0	15	4
BAHRAICH	14	0.34	3.30	-	-	12 85.71%	2 14.29 %	0	0	0	0	14	0
BALLIA	17	0.24	3.05	0.19	0.90	8 47.06%	1 5.88 %	0	8 47.06%	0	0	9	8
BALRAMPUR	16	0.01	2.20	0.64	0.64	14 87.50%	1 6.25 %	0	1 6.25%	0	0	15	1
BARABANKI	23	0.20	2.80	0.60	1.05	17 73.91%	3 13.04 %	0	3 13.04%	0	0	20	3

BAREILLY	16	0.13	1.13	0.12	4.88	5 31.25%	0	0	10 62.50%	0	1 6.25%	5	11
BASTI	8	0.11	1.79	0.08	2.14	6 75.00%	0	0	1 12.50%	1 12.50%	0	6	2
BIJNOR	9	0.14	2.64	0.02	0.60	3 33.33%	1 11.11 %	0	5 55.56%	0	0	4	5
BUDAUN	13	0.50	0.50	0.15	1.42	1 7.69%	0	0	12 92.31%	0	0	1	12
BULANDSH AHR	3	0.04	0.11	0.38	0.38	2 66.67%	0	0	1 33.33%	0	0	2	1
DEORIA	9	0.43	2.59	-	-	7 77.78%	2 22.22 %	0	0	0	0	9	0
ETAH	19	0.03	0.47	0.10	1.32	8 42.11%	0	0	11 57.89%	0	0	8	11
ETAWAH	7	0.22	3.10	0.40	7.80	2 28.57%	2 28.57 %	0	2 28.57%	0	1 14.29%	4	3
FAIZABAD	10	0.56	3.29	0.20	1.15	5 50.00%	2 20.00 %	0	3 30.00%	0	0	7	3
FARRUKHA BAD	6	-	-	0.09	1.16	0	0	0	6 100.0 %	0	0	0	6
FIROZABAD	7	0.14	0.33	0.05	1.19	2 28.57%	0	0	5 71.43%	0	0	2	5

GAUTAM BUDDHA NAGAR	6	-	-	0.14	1.79	0	0	0	6 100.0%	0	0	0	6
GHAZIPUR	19	0.30	2.53	0.12	1.22	12 63.16%	3 15.79 %	0	4 21.05%	0	0	15	4
GONDA	10	0.08	1.04	0.02	0.69	6 60.00%	0	0	4 40.00%	0	0	6	4
GORAKHPUR	3	0.56	1.97	-	-	3 100.00%	0	0	0	0	0	3	0
HARDOI	24	0.05	0.40	0.03	1.37	5 20.83%	0	0	19 79.17%	0	0	5	19
HATHRAS	6	0.07	0.84	0.10	0.41	2 33.33%	0	0	4 66.67%	0	0	2	4
JALAUN	25	0.40	3.50	0.14	11.18	9 36.00%	4 16.00 %	0	7 28.00%	3 12.00%	1 4.00%	13	11
JAUNPUR	11	0.15	2.36	1.85	1.85	9 81.82%	1 9.09 %	0	1 9.09%	0	0	10	1
JHANSI	18	0.01	8.15	0.03	4.68	12 66.67%	1 5.56 %	1 5.56%	2 11.11%	1 5.56%	1 5.56%	14	4
JYOTIBA PHULE NAGAR	9	0.06	0.35	0.09	0.55	3 33.33%	0	0	6 66.67%	0	0	3	6
KANNAUJ	10	0.03	6.48	0.17	1.17	5 50.00%	0	1 10.00%	4 40.00%	0	0	6	4

KANPUR DEHAT	7	0.41	7.40	0.06	1.15	1 14.29%	0	1 14.29%	5 71.43%	0	0	2	5
KANPUR NAGAR	12	0.13	2.04	0.13	1.44	6 50.00%	1 8.33 %	0	5 41.67%	0	0	7	5
KAUSHAMBI	10	0.23	0.55	0.01	1.73	2 20.00%	0	0	8 80.00%	0	0	2	8
KHERI	10	0.40	2.51	0.10	0.10	8 80.00%	1 10.00 %	0	1 10.00%	0	0	9	1
KUSHINAGAR	9	0.23	3.39	-	-	7 77.78%	2 22.22 %	0	0	0	0	9	0
LALITPUR	16	0.06	2.55	0.05	2.30	7 43.75%	1 6.25 %	0	6 37.50%	1 6.25%	0	8	7
LUCKNOW	38	0.10	2.70	0.05	1.25	14 36.84%	1 2.63 %	0	22 57.89%	0	0	15	22
MAHRAJGANJ	6	0.62	1.88	0.03	0.21	4 66.67%	0	0	2 33.33%	0	0	4	2
MAINPURI	9	0.10	2.12	0.12	0.85	4 44.44%	1 11.11 %	0	4 44.44%	0	0	5	4
MATHURA	16	0.14	1.51	0.05	1.34	8 50.00%	0	0	8 50.00%	0	0	8	8
MAU	8	0.10	1.06	0.15	1.42	5 62.50%	0	0	3 37.50%	0	0	5	3
MORADABAD	18	0.15	1.06	0.20	1.58	3 16.67%	0	0	15 83.33%	0	0	3	15

PILIBHIT	9	0.09	1.00	0.55	0.62	7 77.78%	0	0	2 22.22%	0	0	7	2
RAE BARELI	29	0.05	2.40	0.35	1.32	25 86.21%	1 3.45 %	0	3 10.34%	0	0	26	3
RAMPUR	4	3.22	4.72	0.93	1.52	0	1 25.00 %	1 25.00%	2 50.00%	0	0	2	2
SANT KABIR NAGAR	5	0.25	1.75	-	-	5 100.00%	0	0	0	0	0	5	0
SHAHJAHAN PUR	7	0.12	2.28	0.78	1.63	1 14.29%	1 14.29 %	0	5 71.43%	0	0	2	5
SHRAWASTI	14	0.39	2.77	-	-	12 85.71%	2 14.29 %	0	0	0	0	14	0
SIDDHARTH NAGAR	11	0.71	3.18	-	-	6 54.55%	5 45.45 %	0	0	0	0	11	0
SITAPUR	19	0.14	1.90	0.20	0.47	13 68.42%	0	0	6 31.58%	0	0	13	6
SULTANPUR	37	0.06	2.45	0.25	0.67	26 70.27%	4 10.81 %	0	7 18.92%	0	0	30	7
UNNAO	24	0.06	1.71	0.13	2.14	11 45.83%	0	0	12 50.00%	1 4.17%	0	11	13
Total	718	3.22	0.11	0.00	11.18	374	50	5	269	12	5	429	286

District Wise - Fluctuation and Frequency Distribution From Different Ranges from One Period to Other

From Year: 2013/May　-　**To Year:**　2014/May

State **:** **Uttar Pradesh**

District Name	No. of Wells	Range of Fluctuation (m)				No. of Wells/Percentage Showing Fluctuation						Total No. of Wells	
		Rise		Fall		Rise			Fall			Rise	Fall
		Min	Max	Min	Max	0 to 2	2 to 4	>4	0 to 2	2 to 4	>4		
AGRA	16	0.62	7.50	0.33	0.34	9 56.25%	4 25.00 %	1 6.25%	2 12.50%	0	0	14	2
ALIGARH	8	0.06	1.21	0.34	1.64	6 75.00%	0	0	2 25.00%	0	0	6	2
ALLAHABAD	23	0.01	5.32	0.30	4.78	14 60.87%	1 4.35 %	2 8.70%	4 17.39%	1 4.35%	1 4.35%	17	6
AMBEDKAR NAGAR	5	0.04	1.75	0.03	0.03	4 80.00%	0	0	1 20.00%	0	0	4	1
AURAIYA	8	0.29	2.15	0.05	0.05	6 75.00%	1 12.50 %	0	1 12.50%	0	0	7	1
AZAMGARH	16	0.36	2.05	0.04	0.04	14 87.50%	1 6.25 %	0	1 6.25%	0	0	15	1
BAGHPAT	1	1.28	1.28	-	-	1 100.00%	0	0	0	0	0	1	0
BAHRAICH	14	0.18	0.40	0.07	5.47	2 14.29%	0	0	10 71.43%	0	2 14.29%	2	12
BALLIA	16	0.13	1.52	0.31	0.51	14 87.50%	0	0	2 12.50%	0	0	14	2

BALRAMPUR	13	0.03	1.04	0.08	3.27	6 46.15%	0	0	6 46.15%	1 7.69%	0	6	7
BANDA	13	0.23	3.38	0.21	0.75	6 46.15%	4 30.77 %	0	3 23.08%	0	0	10	3
BARABANKI	22	0.15	1.30	0.07	1.50	8 36.36%	0	0	11 50.00%	0	0	8	11
BAREILLY	18	0.07	1.30	0.18	0.81	13 72.22%	0	0	4 22.22%	0	0	13	4
BASTI	9	0.01	2.45	0.01	0.10	5 55.56%	1 11.11 %	0	3 33.33%	0	0	6	3
BIJNOR	9	0.60	3.32	-	-	8 88.89%	1 11.11 %	0	0	0	0	9	0
BUDAUN	18	0.07	0.89	0.03	1.08	8 44.44%	0	0	10 55.56%	0	0	8	10
BULANDSHAHR	6	0.66	0.66	0.12	1.09	1 16.67%	0	0	5 83.33%	0	0	1	5
CHANDAULI	9	0.19	1.47	0.62	1.45	7 77.78%	0	0	2 22.22%	0	0	7	2
CHITRAKOOT	10	0.11	7.70	0.23	0.37	3 30.00%	3 30.00 %	2 20.00%	2 20.00%	0	0	8	2
DEORIA	10	0.08	0.35	0.02	0.27	5 50.00%	0	0	5 50.00%	0	0	5	5
ETAH	5	0.23	0.77	0.86	0.86	4 80.00%	0	0	1 20.00%	0	0	4	1

ETAWAH	5	0.38	0.60	0.45	2.80	3 60.00%	0	0	1 20.00%	1 20.00%	0	3	2
FAIZABAD	7	0.02	2.54	0.20	1.57	3 42.86%	2 28.57 %	0	2 28.57%	0	0	5	2
FARRUKHA BAD	5	0.36	2.16	-	-	4 80.00%	1 20.00 %	0	0	0	0	5	0
FATEHPUR	12	0.15	5.88	0.07	14.96	4 33.33%	3 25.00 %	1 8.33%	3 25.00%	0	1 8.33%	8	4
FIROZABAD	6	0.22	2.25	-	-	5 83.33%	1 16.67 %	0	0	0	0	6	0
GAUTAM BUDDHA NAGAR	6	0.12	1.42	2.31	3.11	3 50.00%	0	0	0	3 50.00%	0	3	3
GHAZIABAD	13	0.07	0.99	-	-	13 100.00%	0	0	0	0	0	13	0
GHAZIPUR	13	0.43	2.30	0.17	0.90	8 61.54%	1 7.69 %	0	4 30.77%	0	0	9	4
GONDA	6	0.01	0.80	-	-	6 100.00%	0	0	0	0	0	6	0
GORAKHPU R	3	0.21	0.35	-	-	3 100.00%	0	0	0	0	0	3	0
HAMIRPUR	12	0.69	5.70	2.06	10.34	3 25.00%	5 41.67 %	2 16.67%	0	1 8.33%	1 8.33%	10	2

HARDOI	18	0.05	1.37	0.02	0.50	10 55.56%	0	0	8 44.44%	0	0	10	8
HATHRAS	5	0.62	3.59	0.66	0.66	3 60.00%	1 20.00 %	0	1 20.00%	0	0	4	1
JALAUN	24	0.01	4.15	0.50	3.57	11 45.83%	6 25.00 %	1 4.17%	5 20.83%	1 4.17%	0	18	6
JAUNPUR	19	0.05	3.91	0.13	5.24	13 68.42%	3 15.79 %	0	2 10.53%	0	1 5.26%	16	3
JHANSI	19	0.08	2.20	0.23	2.87	14 73.68%	2 10.53 %	0	2 10.53%	1 5.26%	0	16	3
JYOTIBA PHULE NAGAR	10	0.06	0.76	-	-	10 100.00%	0	0	0	0	0	10	0
KANNAUJ	5	0.02	0.53	0.18	5.10	3 60.00%	0	0	1 20.00%	0	1 20.00%	3	2
KANPUR DEHAT	5	0.41	1.58	0.52	0.52	4 80.00%	0	0	1 20.00%	0	0	4	1
KANPUR NAGAR	9	0.06	1.01	0.05	0.63	6 66.67%	0	0	3 33.33%	0	0	6	3
KAUSHAMBI	7	0.87	2.47	0.06	0.06	3 42.86%	3 42.86 %	0	1 14.29%	0	0	6	1
KHERI	6	0.08	0.45	0.05	0.39	3 50.00%	0	0	3 50.00%	0	0	3	3

KUSHINAGAR	10	0.27	1.37	0.07	0.40	6 60.00%	0	0	4 40.00%	0	0	6	4
LALITPUR	14	0.02	3.26	0.48	1.30	9 64.29%	2 14.29 %	0	3 21.43%	0	0	11	3
LUCKNOW	38	0.05	2.50	0.05	1.55	7 18.42%	1 2.63 %	0	29 76.32%	0	0	8	29
MAHOBA	7	0.50	3.98	1.47	1.47	3 42.86%	3 42.86 %	0	1 14.29%	0	0	6	1
MAHRAJGANJ	5	0.13	0.49	0.44	0.99	3 60.00%	0	0	2 40.00%	0	0	3	2
MAINPURI	2	0.13	0.21	-	-	2 100.00%	0	0	0	0	0	2	0
MATHURA	16	0.09	1.82	0.07	0.98	11 68.75%	0	0	5 31.25%	0	0	11	5
MAU	6	0.75	2.64	0.49	0.93	3 50.00%	1 16.67 %	0	2 33.33%	0	0	4	2
MEERUT	6	0.17	1.15	0.11	0.11	4 66.67%	0	0	1 16.67%	0	0	4	1
MIRZAPUR	10	0.05	2.89	0.09	0.19	5 50.00%	2 20.00 %	0	3 30.00%	0	0	7	3
MORADABAD	15	0.13	5.27	0.04	2.09	12 80.00%	0	1 6.67%	1 6.67%	1 6.67%	0	13	2
MUZAFFAR NAGAR	12	0.08	1.66	0.10	0.87	9 75.00%	0	0	3 25.00%	0	0	9	3

PILIBHIT	12	0.03	1.10	0.11	0.75	6 50.00%	0	0	6 50.00%	0	0	6	6
PRATAPGARH	18	0.35	2.43	0.09	0.09	16 88.89%	1 5.56 %	0	1 5.56%	0	0	17	1
RAE BARELI	19	0.22	2.09	0.03	2.40	7 36.84%	1 5.26 %	0	10 52.63%	1 5.26%	0	8	11
RAMPUR	2	0.38	0.71	-	-	2 100.00%	0	0	0	0	0	2	0
SAHARANPUR	4	-	-	0.04	2.79	0	0	0	2 50.00%	2 50.00%	0	0	4
SANT KABIR NAGAR	5	0.18	0.65	0.13	0.15	3 60.00%	0	0	2 40.00%	0	0	3	2
SANT RAVIDAS NAGAR	4	0.16	2.16	0.35	0.35	2 50.00%	1 25.00 %	0	1 25.00%	0	0	3	1
SHAHJAHANPUR	8	0.02	1.55	0.11	0.22	5 62.50%	0	0	3 37.50%	0	0	5	3
SHRAWASTI	9	2.29	2.29	0.31	0.65	0	1 11.11 %	0	8 88.89%	0	0	1	8
SIDDHARTH NAGAR	10	0.07	1.34	0.05	1.21	4 40.00%	0	0	6 60.00%	0	0	4	6
SITAPUR	15	0.03	0.80	0.32	0.58	10 66.67%	0	0	4 26.67%	0	0	10	4

SONBHADRA	16	0.15	2.30	0.07	0.33	10 62.50%	2 12.50 %	0	4 25.00%	0	0	12	4
SULTANPUR	34	0.06	3.15	0.10	0.23	26 76.47%	4 11.76 %	0	4 11.76%	0	0	30	4
UNNAO	25	0.02	1.31	0.09	0.80	19 76.00%	0	0	6 24.00%	0	0	19	6
VARANASI	12	0.14	2.75	1.04	2.50	7 58.33%	2 16.67 %	0	1 8.33%	1 8.33%	0	9	2
Total	798	2.29	0.21	0.00	14.96	470	65	10	224	14	7	545	245

District Wise - Fluctuation and Frequency Distribution From Different Ranges from One Period to Other

From Year: 2013/Aug   - **To Year:** 2014/Aug

State   :   Uttar Pradesh

District Name	No. of Wells	Range of Fluctuation (m)				No. of Wells/Percentage Showing Fluctuation						Total No. of Wells	
		Rise		Fall		Rise			Fall			Rise	Fall
		Min	Max	Min	Max	0 to 2	2 to 4	>4	0 to 2	2 to 4	>4		
AGRA	7	0.32	1.16	0.44	0.89	4 57.14%	0	0	3 42.86%	0	0	4	3
ALIGARH	9	0.06	0.54	0.04	1.85	2 22.22%	0	0	7 77.78%	0	0	2	7
ALLAHABAD	26	0.61	0.83	0.35	9.21	2 7.69%	0	0	8 30.77%	11 42.31%	5 19.23%	2	24
AMBEDKAR NAGAR	7	0.31	0.94	1.75	2.00	3 42.86%	0	0	4 57.14%	0	0	3	4
AURAIYA	7	0.03	0.22	0.25	1.26	2 28.57%	0	0	5 71.43%	0	0	2	5
AZAMGARH	19	0.03	2.97	0.05	5.24	6 31.58%	2 10.53 %	0	10 52.63%	0	1 5.26%	8	11
BAHRAICH	14	0.06	3.59	0.32	1.27	8 57.14%	1 7.14 %	0	5 35.71%	0	0	9	5
BALLIA	17	0.85	1.45	0.05	7.29	2 11.76%	0	0	7 41.18%	3 17.65%	5 29.41%	2	15
BALRAMPUR	12	0.06	2.45	0.04	5.15	4 33.33%	1 8.33 %	0	5 41.67%	1 8.33%	1 8.33%	5	7

BANDA	15	0.05	0.50	0.02	9.72	2 13.33%	0	0	6 40.00%	4 26.67%	3 20.00%	2	13
BARABANKI	23	0.05	0.83	0.24	2.40	10 43.48%	0	0	12 52.17%	1 4.35%	0	10	13
BAREILLY	16	0.50	2.00	0.30	2.49	4 25.00%	0	0	9 56.25%	3 18.75%	0	4	12
BASTI	6	-	-	0.72	3.70	0	0	0	5 83.33%	1 16.67%	0	0	6
BIJNOR	9	0.41	0.41	0.06	2.57	1 11.11%	0	0	6 66.67%	1 11.11%	0	1	7
BUDAUN	15	0.14	2.07	0.11	0.98	7 46.67%	1 6.67 %	0	7 46.67%	0	0	8	7
BULANDSHAHR	8	0.12	0.37	0.26	0.70	2 25.00%	0	0	6 75.00%	0	0	2	6
CHANDAULI	8	0.15	1.15	0.13	1.38	5 62.50%	0	0	3 37.50%	0	0	5	3
CHITRAKOOT	11	-	-	0.32	7.33	0	0	0	1 9.09%	6 54.55%	4 36.36%	0	11
DEORIA	10	0.04	1.77	0.05	0.89	3 30.00%	0	0	6 60.00%	0	0	3	6
ETAH	6	-	-	0.35	1.34	0	0	0	6 100.0 %	0	0	0	6
ETAWAH	4	0.95	0.95	0.42	3.82	1 25.00%	0	0	2 50.00%	1 25.00%	0	1	3

FAIZABAD	6	0.34	0.34	0.80	2.85	1 16.67%	0	0	4 66.67%	1 16.67%	0	1	5
FARRUKHA BAD	5	-	-	0.65	2.45	0	0	0	3 60.00%	2 40.00%	0	0	5
FATEHPUR	14	-	-	0.76	6.03	0	0	0	5 35.71%	6 42.86%	3 21.43%	0	14
FIROZABAD	5	0.25	0.83	0.15	1.12	3 60.00%	0	0	2 40.00%	0	0	3	2
GAUTAM BUDDHA NAGAR	7	1.62	1.62	0.14	2.95	1 14.29%	0	0	4 57.14%	2 28.57%	0	1	6
GHAZIPUR	10	0.98	2.82	0.43	4.04	3 30.00%	2 20.00 %	0	3 30.00%	1 10.00%	1 10.00%	5	5
GONDA	3	0.27	0.27	1.40	1.57	1 33.33%	0	0	2 66.67%	0	0	1	2
GORAKHPUR	3	-	-	0.44	3.15	0	0	0	1 33.33%	1 33.33%	0	0	2
HAMIRPUR	11	-	-	0.13	4.14	0	0	0	7 63.64%	2 18.18%	2 18.18%	0	11
HARDOI	18	0.39	0.39	0.46	3.72	1 5.56%	0	0	8 44.44%	9 50.00%	0	1	17
HATHRAS	6	0.21	0.62	0.71	1.32	3 50.00%	0	0	3 50.00%	0	0	3	3

JALAUN	20	0.63	1.00	0.02	5.59	3 15.00%	0	0	12 60.00%	4 20.00%	1 5.00%	3	17
JAUNPUR	15	0.23	3.57	0.05	4.92	4 26.67%	2 13.33 %	0	6 40.00%	2 13.33%	1 6.67%	6	9
JHANSI	14	0.20	4.74	0.54	6.00	3 21.43%	1 7.14 %	1 7.14%	2 14.29%	3 21.43%	3 21.43%	5	8
JYOTIBA PHULE NAGAR	10	-	-	0.17	2.58	0	0	0	8 80.00%	2 20.00%	0	0	10
KANNAUJ	4	-	-	0.38	2.03	0	0	0	3 75.00%	1 25.00%	0	0	4
KANPUR DEHAT	4	0.18	0.18	1.06	1.40	1 25.00%	0	0	3 75.00%	0	0	1	3
KANPUR NAGAR	9	0.20	0.20	0.72	3.68	1 11.11%	0	0	6 66.67%	2 22.22%	0	1	8
KAUSHAMBI	9	0.53	0.53	0.32	7.66	1 11.11%	0	0	3 33.33%	3 33.33%	2 22.22%	1	8
KHERI	9	0.33	0.33	0.31	4.68	1 11.11%	0	0	5 55.56%	2 22.22%	1 11.11%	1	8
KUSHINAGAR	11	0.19	1.34	0.05	2.91	5 45.45%	0	0	5 45.45%	1 9.09%	0	5	6
LALITPUR	13	0.06	0.06	0.02	4.82	1 7.69%	0	0	7 53.85%	4 30.77%	1 7.69%	1	12

LUCKNOW	36	0.10	5.70	0.09	3.25	3 8.33%	0	1 2.78%	25 69.44%	6 16.67%	0	4	31
MAHOBA	6	-	-	0.72	2.47	0	0	0	3 50.00%	3 50.00%	0	0	6
MAHRAJGANJ	6	0.09	0.52	0.05	0.35	3 50.00%	0	0	3 50.00%	0	0	3	3
MAINPURI	4	0.13	0.13	0.25	1.41	1 25.00%	0	0	3 75.00%	0	0	1	3
MATHURA	12	0.37	2.39	0.16	1.96	1 8.33%	1 8.33 %	0	10 83.33%	0	0	2	10
MAU	6	0.56	0.56	0.78	5.82	1 16.67%	0	0	2 33.33%	2 33.33%	1 16.67%	1	5
MIRZAPUR	11	0.28	10.18	0.97	2.19	5 45.45%	2 18.18 %	2 18.18%	1 9.09%	1 9.09%	0	9	2
MORADABAD	17	3.63	3.63	0.12	11.96	0	1 5.88 %	0	13 76.47%	2 11.76%	1 5.88%	1	16
PILIBHIT	9	1.24	1.24	0.48	1.99	1 11.11%	0	0	8 88.89%	0	0	1	8
PRATAPGARH	23	2.99	2.99	0.95	8.93	0	1 4.35 %	0	4 17.39%	13 56.52%	5 21.74%	1	22
RAE BARELI	23	0.10	0.76	0.10	2.50	7 30.43%	0	0	14 60.87%	1 4.35%	0	7	15
RAMPUR	5	0.24	0.24	0.53	3.22	1 20.00%	0	0	3 60.00%	1 20.00%	0	1	4

SANT KABIR NAGAR	5	-	-	0.01	0.51	0	0	0	5 100.0%	0	0	0	5
SANT RAVIDAS NAGAR	4	1.62	2.64	0.22	1.10	1 25.00%	1 25.00 %	0	2 50.00%	0	0	2	2
SHAHJAHAN PUR	11	2.25	2.67	0.11	2.24	0	2 18.18 %	0	8 72.73%	1 9.09%	0	2	9
SHRAWASTI	10	0.06	0.48	0.09	0.91	5 50.00%	0	0	5 50.00%	0	0	5	5
SIDDHARTH NAGAR	11	1.22	1.28	0.12	2.45	2 18.18%	0	0	8 72.73%	1 9.09%	0	2	9
SITAPUR	16	-	-	0.29	2.48	0	0	0	12 75.00%	4 25.00%	0	0	16
SONBHADRA	17	0.77	4.87	0.10	8.70	5 29.41%	1 5.88 %	2 11.76%	5 29.41%	2 11.76%	2 11.76%	8	9
SULTANPUR	34	0.03	1.18	0.20	2.97	9 26.47%	0	0	18 52.94%	7 20.59%	0	9	25
UNNAO	23	0.08	1.93	0.12	3.42	4 17.39%	0	0	13 56.52%	6 26.09%	0	4	19
VARANASI	11	0.35	4.76	0.30	1.60	4 36.36%	3 27.27 %	2 18.18%	2 18.18%	0	0	9	2
Total	755	3.63	0.06	0.01	11.96	154	22	8	392	130	43	184	565

District Wise - Fluctuation and Frequency Distribution From Different Ranges from One Period to Other

From Year: 2013/Nov   -   **To Year:** 2014/Nov

State   :   Uttar Pradesh

District Name	No. of Wells	Range of Fluctuation (m)				No. of Wells/Percentage Showing Fluctuation						Total No. of Wells	
		Rise		Fall		Rise			Fall			Rise	Fall
		Min	Max	Min	Max	0 to 2	2 to 4	>4	0 to 2	2 to 4	>4		
AGRA	18	0.31	3.70	0.11	4.22	3 16.67%	1 5.56 %	0	9 50.00%	4 22.22%	1 5.56%	4	14
ALIGARH	9	0.17	1.44	0.32	5.38	4 44.44%	0	0	4 44.44%	0	1 11.11%	4	5
ALLAHABAD	21	0.06	0.57	0.25	5.60	6 28.57%	0	0	7 33.33%	3 14.29%	5 23.81%	6	15
AMBEDKAR NAGAR	9	-	-	0.34	3.75	0	0	0	7 77.78%	2 22.22%	0	0	9
AURAIYA	13	0.12	2.40	0.01	3.47	2 15.38%	1 7.69 %	0	7 53.85%	3 23.08%	0	3	10
AZAMGARH	20	0.14	0.96	0.07	2.90	7 35.00%	0	0	10 50.00%	2 10.00%	0	7	12
BAHRAICH	13	0.07	1.08	0.06	0.27	8 61.54%	0	0	5 38.46%	0	0	8	5
BALLIA	17	0.28	2.03	0.04	3.58	3 17.65%	1 5.88 %	0	8 47.06%	4 23.53%	0	4	12
BALRAMPUR	12	0.08	1.21	0.05	3.67	8 66.67%	0	0	3 25.00%	1 8.33%	0	8	4

District													
BANDA	14	0.15	1.17	0.19	4.98	3 21.43%	0	0	8 57.14%	1 7.14%	2 14.29%	3	11
BARABANKI	22	0.05	1.20	0.03	0.56	15 68.18%	0	0	6 27.27%	0	0	15	6
BAREILLY	16	-	-	0.30	2.50	0	0	0	14 87.50%	1 6.25%	0	0	15
BASTI	8	0.10	0.16	0.48	0.97	2 25.00%	0	0	6 75.00%	0	0	2	6
BIJNOR	9	0.23	0.47	0.12	2.43	2 22.22%	0	0	6 66.67%	1 11.11%	0	2	7
BUDAUN	15	-	-	0.50	1.68	0	0	0	15 100.0%	0	0	0	15
BULANDSH AHR	4	-	-	0.06	2.96	0	0	0	3 75.00%	1 25.00%	0	0	4
CHANDAULI	9	0.07	0.19	0.17	4.37	2 22.22%	0	0	6 66.67%	0	1 11.11%	2	7
CHITRAKOO T	10	-	-	0.40	9.44	0	0	0	2 20.00%	6 60.00%	2 20.00%	0	10
DEORIA	10	0.27	0.27	0.15	1.08	1 10.00%	0	0	9 90.00%	0	0	1	9
ETAH	6	-	-	0.94	1.81	0	0	0	6 100.0%	0	0	0	6
ETAWAH	7	0.02	0.94	0.45	7.98	2 28.57%	0	0	3 42.86%	1 14.29%	1 14.29%	2	5

FAIZABAD	7	-	-	0.25	3.35	0	0	0	4 57.14%	3 42.86%	0	0	7
FARRUKHA BAD	5	-	-	1.21	2.23	0	0	0	3 60.00%	2 40.00%	0	0	5
FATEHPUR	13	5.27	5.27	0.05	5.43	0	0	1 7.69%	7 53.85%	3 23.08%	2 15.38%	1	12
FIROZABAD	8	1.74	1.74	1.00	2.10	1 12.50%	0	0	6 75.00%	1 12.50%	0	1	7
GAUTAM BUDDHA NAGAR	6	-	-	0.06	3.29	0	0	0	4 66.67%	2 33.33%	0	0	6
GHAZIABAD	8	-	-	0.61	1.48	0	0	0	8 100.0%	0	0	0	8
GHAZIPUR	17	0.26	0.39	0.26	4.48	2 11.76%	0	0	11 64.71%	3 17.65%	1 5.88%	2	15
GONDA	6	-	-	0.40	1.59	0	0	0	6 100.0%	0	0	0	6
GORAKHPUR	6	0.29	0.29	0.12	0.87	1 16.67%	0	0	5 83.33%	0	0	1	5
HAMIRPUR	10	-	-	0.93	5.91	0	0	0	4 40.00%	4 40.00%	2 20.00%	0	10
HARDOI	18	0.77	0.77	0.40	2.35	1 5.56%	0	0	13 72.22%	4 22.22%	0	1	17

HATHRAS	8	-	-	0.66	2.85	0	0	0	7 87.50%	1 12.50%	0	0	8
JALAUN	22	0.04	2.22	0.12	13.32	3 13.64%	1 4.55 %	0	8 36.36%	6 27.27%	4 18.18%	4	18
JAUNPUR	9	0.28	1.78	0.04	2.74	3 33.33%	0	0	4 44.44%	2 22.22%	0	3	6
JHANSI	15	0.10	1.14	0.23	3.73	3 20.00%	0	0	8 53.33%	4 26.67%	0	3	12
JYOTIBA PHULE NAGAR	10	0.25	0.71	0.58	1.23	2 20.00%	0	0	8 80.00%	0	0	2	8
KANNAUJ	5	0.90	0.90	0.12	2.03	1 20.00%	0	0	3 60.00%	1 20.00%	0	1	4
KANPUR DEHAT	7	-	-	0.23	2.59	0	0	0	6 85.71%	1 14.29%	0	0	7
KANPUR NAGAR	12	0.08	0.76	0.35	3.55	3 25.00%	0	0	5 41.67%	4 33.33%	0	3	9
KHERI	9	0.19	0.48	0.08	2.95	3 33.33%	0	0	4 44.44%	2 22.22%	0	3	6
KUSHINAGAR	11	-	-	0.09	1.16	0	0	0	11 100.0%	0	0	0	11
LALITPUR	11	0.30	0.30	0.51	4.50	1 9.09%	0	0	7 63.64%	2 18.18%	1 9.0%	1	10

LUCKNOW	37	0.12	1.95	0.26	5.82	5 13.51%	0	0	27 72.97%	3 8.11%	1 2.70%	5	31
MAHOBA	8	-	-	0.58	4.98	0	0	0	2 25.00%	4 50.00%	2 25.00%	0	8
MAHRAJGA NJ	7	0.09	0.45	0.25	0.95	2 28.57%	0	0	5 71.43%	0	0	2	5
MAINPURI	4	0.21	0.21	0.62	1.56	1 25.00%	0	0	3 75.00%	0	0	1	3
MATHURA	15	1.42	1.42	0.06	1.46	1 6.67%	0	0	14 93.33%	0	0	1	14
MAU	7	-	-	1.34	3.79	0	0	0	2 28.57%	5 71.43%	0	0	7
MEERUT	4	-	-	0.21	0.86	0	0	0	4 100.0%	0	0	0	4
MIRZAPUR	11	0.02	1.70	1.59	3.62	6 54.55%	0	0	2 18.18%	3 27.27%	0	6	5
MORADABA D	16	0.08	0.59	0.45	1.32	2 12.50%	0	0	14 87.50%	0	0	2	14
MUZAFFAR NAGAR	9	-	-	0.30	1.80	0	0	0	9 100.0%	0	0	0	9
PILIBHIT	11	0.10	0.60	0.01	1.20	4 36.36%	0	0	7 63.64%	0	0	4	7
RAE BARELI	28	0.20	3.10	0.05	1.70	14 50.00%	1 3.57 %	0	13 46.43%	0	0	15	13

District													
RAMPUR	5	2.56	2.56	1.25	3.03	0	1 20.00 %	0	3 60.00%	1 20.00%	0	1	4
SAHARANPUR	5	-	-	0.30	1.77	0	0	0	5 100.0%	0	0	0	5
SANT KABIR NAGAR	5	0.48	0.48	0.44	2.10	1 20.00%	0	0	2 40.00%	1 20.00%	0	1	3
SANT RAVIDAS NAGAR	4	0.08	1.20	1.13	3.22	2 50.00%	0	0	1 25.00%	1 25.00%	0	2	2
SHAHJAHANPUR	8	3.70	3.70	0.48	2.60	0	1 12.50 %	0	6 75.00%	1 12.50%	0	1	7
SHRAWASTI	10	0.18	0.44	0.08	0.72	6 60.00%	0	0	4 40.00%	0	0	6	4
SIDDHARTH NAGAR	10	0.16	0.81	0.28	0.28	9 90.00%	0	0	1 10.00%	0	0	9	1
SITAPUR	16	1.62	1.62	0.01	1.95	1 6.25%	0	0	15 93.75%	0	0	1	15
SONBHADRA	17	0.73	1.53	0.19	2.75	5 29.41%	0	0	8 47.06%	4 23.53%	0	5	12
SULTANPUR	37	0.14	0.38	0.17	6.31	3 8.11%	0	0	23 62.16%	10 27.03%	1 2.70%	3	34
UNNAO	28	0.11	2.24	0.06	3.70	9 32.14%	1 3.57 %	0	16 57.14%	2 7.14%	0	10	18

VARANASI	9	0.03	1.35	0.50	4.90	4 44.44%	0	0	4 44.44%	0	1 11.1%	4	5
Total	796	5.27	0.16	0.01	13.32	167	8	1	476	110	28	176	614

District Wise - Fluctuation and Frequency Distribution From Different Ranges from One Period to Other

From Year: 2014/Jan   -   **To Year:** 2015/Jan

State   :   **Uttar Pradesh**

District Name	No. of Wells	Range of Fluctuation (m)				No. of Wells/Percentage Showing Fluctuation						Total No. of Wells	
		Rise		Fall		Rise			Fall			Rise	Fall
		Min	Max	Min	Max	0 to 2	2 to 4	>4	0 to 2	2 to 4	>4		
AGRA	7	0.38	6.22	0.55	3.96	1 14.29%	0	1 14.29%	3 42.86%	2 28.57%	0	2	5
ALLAHABAD	28	0.05	1.19	0.01	9.39	5 17.86%	0	0	13 46.43%	8 28.57%	2 7.14%	5	23
AMBEDKAR NAGAR	7	-	-	0.81	3.33	0	0	0	6 85.71%	1 14.29%	0	0	7
AURAIYA	11	0.01	0.80	0.56	5.06	2 18.18%	0	0	6 54.55%	2 18.18%	1 9.09%	2	9
AZAMGARH	19	0.13	0.13	0.48	3.17	1 5.26%	0	0	15 78.95%	3 15.79%	0	1	18
BAHRAICH	12	0.01	0.35	0.01	0.36	5 41.67%	0	0	7 58.33%	0	0	5	7
BALLIA	18	0.23	1.31	0.42	3.00	3 16.67%	0	0	13 72.22%	2 11.11%	0	3	15
BALRAMPUR	12	0.08	0.61	0.07	1.24	5 41.67%	0	0	7 58.33%	0	0	5	7
BARABANKI	27	-	-	0.20	1.75	0	0	0	27 100.0%	0	0	0	27

BAREILLY	15	0.05	0.18	0.35	6.00	2 13.33%	0	0	11 73.33%	1 6.67%	1 6.67%	2	13
BASTI	8	-	-	0.20	1.12	0	0	0	8 100.0%	0	0	0	8
BIJNOR	9	0.33	2.95	0.30	1.60	1 11.11%	1 11.11 %	0	7 77.78%	0	0	2	7
BUDAUN	11	-	-	0.46	1.67	0	0	0	11 100.0%	0	0	0	11
BULANDSHAHR	3	-	-	0.50	0.95	0	0	0	3 100.0%	0	0	0	3
DEORIA	9	0.29	1.44	0.23	1.20	2 22.22%	0	0	7 77.78%	0	0	2	7
ETAH	6	-	-	0.20	2.85	0	0	0	5 83.33%	1 16.67%	0	0	6
ETAWAH	5	0.85	0.85	0.10	9.55	1 20.00%	0	0	3 60.00%	0	1 20.00%	1	4
FAIZABAD	6	-	-	0.42	2.20	0	0	0	5 83.33%	1 16.67%	0	0	6
FARRUKHABAD	6	-	-	0.72	2.14	0	0	0	5 83.33%	1 16.67%	0	0	6
FIROZABAD	4	-	-	0.15	1.07	0	0	0	4 100.0%	0	0	0	4

GAUTAM BUDDHA NAGAR	7	0.06	0.06	0.16	3.39	1 14.29%	0	0	3 42.86%	3 42.86%	0	1	6
GHAZIPUR	19	0.01	1.46	0.24	3.36	4 21.05%	0	0	12 63.16%	3 15.79%	0	4	15
GONDA	9	-	-	0.28	1.85	0	0	0	9 100.0%	0	0	0	9
GORAKHPUR	3	-	-	0.13	2.12	0	0	0	2 66.67%	1 33.33%	0	0	3
HARDOI	21	-	-	0.64	2.75	0	0	0	17 80.95%	4 19.05%	0	0	21
HATHRAS	7	0.05	0.05	0.63	1.55	1 14.29%	0	0	6 85.71%	0	0	1	6
JALAUN	23	0.76	1.23	0.07	12.60	2 8.70%	0	0	9 39.13%	7 30.43%	5 21.74%	2	21
JHANSI	18	0.02	1.53	0.05	3.97	3 16.67%	0	0	10 55.56%	4 22.22%	0	3	14
JYOTIBA PHULE NAGAR	9	-	-	0.18	1.17	0	0	0	9 100.0%	0	0	0	9
KANNAUJ	5	-	-	0.30	3.47	0	0	0	4 80.00%	1 20.00%	0	0	5
KANPUR DEHAT	8	-	-	0.92	2.98	0	0	0	5 62.50%	3 37.50%	0	0	8

KANPUR NAGAR	11	0.10	0.10	0.22	3.15	1 9.09%	0	0	6 54.55%	4 36.36%	0	1	10
KAUSHAMBI	7	-	-	1.75	4.11	0	0	0	2 28.57%	4 57.14%	1 14.29%	0	7
KHERI	10	0.14	1.02	0.10	2.14	2 20.00%	0	0	7 70.00%	1 10.00%	0	2	8
KUSHINAGAR	10	0.21	1.11	0.36	2.05	2 20.00%	0	0	7 70.00%	1 10.00%	0	2	8
LALITPUR	15	-	-	0.40	6.10	0	0	0	12 80.00%	1 6.67%	2 13.33%	0	15
LUCKNOW	38	0.07	0.07	0.10	3.15	1 2.63%	0	0	32 84.21%	5 13.16%	0	1	37
MAHRAJGANJ	6	0.36	0.36	0.75	1.74	1 16.67%	0	0	5 83.33%	0	0	1	5
MAINPURI	3	0.13	0.13	0.19	0.37	1 33.33%	0	0	2 66.67%	0	0	1	2
MATHURA	16	-	-	0.09	1.44	0	0	0	16 100.0%	0	0	0	16
MAU	8	-	-	0.51	3.57	0	0	0	3 37.50%	5 62.50%	0	0	8
MORADABAD	18	0.04	0.04	0.33	3.80	1 5.56%	0	0	16 88.89%	1 5.56%	0	1	17
PILIBHIT	6	-	-	0.33	2.20	0	0	0	5 83.33%	1 16.67%	0	0	6

RAE BARELI	29	0.10	0.22	0.25	2.20	3 10.34%	0	0	24 82.76%	1 3.45%	0	3	25
RAMPUR	3	1.35	1.35	2.16	2.70	1 33.33%	0	0	0	2 66.67%	0	1	2
SANT KABIR NAGAR	5	-	-	0.55	2.95	0	0	0	4 80.00%	1 20.00%	0	0	5
SHAHJAHAN PUR	9	3.63	3.63	1.30	4.75	0	1 11.11 %	0	5 55.56%	2 22.22%	1 11.11%	1	8
SHRAWASTI	12	0.09	0.86	0.21	0.36	9 75.00%	0	0	3 25.00%	0	0	9	3
SIDDHARTH NAGAR	11	0.07	0.96	0.10	0.13	9 81.82%	0	0	2 18.18%	0	0	9	2
SITAPUR	19	0.23	0.23	0.21	1.85	1 5.26%	0	0	18 94.74%	0	0	1	18
SULTANPUR	34	0.39	1.25	0.42	2.81	2 5.88%	0	0	24 70.59%	8 23.53%	0	2	32
UNNAO	29	0.54	2.10	0.01	5.46	3 10.34%	1 3.45 %	0	20 68.97%	4 13.79%	1 3.45%	4	25
Total	651	3.63	0.04	0.01	12.60	76	3	1	465	89	15	80	569

District Wise - Fluctuation of Water Level with Mean and Selected Period

10 Years Mean (2004 May - 2013 May) - 2014/May

State   :   Uttar Pradesh

District Name	No. of Wells	Range of Fluctuation				No. of Wells/Percentage Showing Fluctuation						Total No. of Wells	
		Rise (m)		Fall (m)		Rise (m)			Fall (m)			Rise	Fall
		Min	Max	Min	Max	0 to 2	2 to 4	>4	0 to 2	2 to 4	>4		
AGRA	19	0.22	8.08	0.33	2.97	8 42.11 %	5 26.32%	1 5.26%	3 15.79%	2 10.53 %	0	14	5
ALIGARH	9	0.54	2.15	0.02	0.56	4 44.44 %	1 11.11%	0	4 44.44%	0	0	5	4
ALLAHABAD	27	0.31	5.10	0.38	2.59	12 44.44 %	9 33.33%	2 7.41%	2 7.41%	2 7.41 %	0	23	4
AMBEDKAR NAGAR	9	0.04	1.06	0.13	0.61	5 55.56 %	0	0	4 44.44%	0	0	5	4
AURAIYA	8	0.14	2.15	0.01	0.01	6 75.00 %	1 12.50%	0	1 12.50%	0	0	7	1
AZAMGARH	20	0.10	1.74	0.35	0.55	18 90.00 %	0	0	2 10.00%	0	0	18	2
BAGHPAT	1	-	-	3.69	3.69	0	0	0	0	1 100.0 %	0	0	1
BAHRAICH	16	0.09	0.14	0.06	4.21	2 12.50 %	0	0	13 81.25%	0	1 6.25%	2	14

BALLIA	16	0.51	1.66	0.02	1.61	12 75.00 %	0	0	4 25.00%	0	0	12	4
BALRAMPUR	14	0.11	1.30	0.04	0.71	6 42.86 %	0	0	8 57.14%	0	0	6	8
BANDA	18	0.59	4.06	0.33	1.84	6 33.33 %	9 50.00%	1 5.56%	2 11.11%	0	0	16	2
BARABANKI	24	.00	1.11	0.08	1.60	8 33.33 %	0	0	16 66.67%	0	0	8	16
BAREILLY	20	0.01	0.92	0.01	2.23	13 65.00 %	0	0	5 25.00%	1 5.00 %	0	13	6
BASTI	10	0.01	2.72	0.04	0.49	5 50.00 %	1 10.00%	0	4 40.00%	0	0	6	4
BIJNOR	9	0.37	2.41	0.83	0.83	7 77.78 %	1 11.11%	0	1 11.11%	0	0	8	1
BUDAUN	19	0.11	0.63	0.13	1.67	6 31.58 %	0	0	13 68.42%	0	0	6	13
BULANDSHAHR	6	0.32	0.32	0.44	2.44	1 16.67 %	0	0	3 50.00%	2 33.33 %	0	1	5
CHANDAULI	9	0.60	2.21	0.20	0.20	7 77.78 %	1 11.11%	0	1 11.11%	0	0	8	1

CHITRAKOOT	11	0.11	7.22	-	-	3 27.27 %	5 45.45%	3 27.27%	0	0	0	11	0
DEORIA	10	0.10	0.88	0.01	0.36	7 70.00 %	0	0	3 30.00%	0	0	7	3
ETAH	6	0.15	2.03	0.48	0.48	4 66.67 %	1 16.67%	0	1 16.67%	0	0	5	1
ETAWAH	5	0.43	0.60	0.64	2.96	3 60.00 %	0	0	1 20.00%	1 20.00 %	0	3	2
FAIZABAD	7	0.96	1.69	0.35	1.18	3 42.86 %	0	0	4 57.14%	0	0	3	4
FARRUKHA BAD	6	0.02	2.16	0.12	0.12	4 66.67 %	1 16.67%	0	1 16.67%	0	0	5	1
FATEHPUR	15	0.26	5.38	3.11	3.11	9 60.00 %	4 26.67%	1 6.67%	0	1 6.67 %	0	14	1
FIROZABAD	7	0.22	2.25	3.25	3.25	5 71.43 %	1 14.29%	0	0	1 14.29 %	0	6	1
GAUTAM BUDDHA NAGAR	6	0.05	0.80	1.54	8.43	2 33.33 %	0	0	1 16.67%	1 16.67 %	2 33.33%	2	4
GHAZIABAD	13	0.04	0.32	0.09	1.00	2 15.38 %	0	0	11 84.62%	0	0	2	11

GHAZIPUR	15	0.09	2.05	0.13	2.57	9 60.00 %	1 6.67%	0	4 26.67%	1 6.67 %	0	10	5
GONDA	8	0.01	0.72	0.19	0.19	7 87.50 %	0	0	1 12.50%	0	0	7	1
GORAKHPU R	3	0.56	0.89	-	-	3 100.0 %	0	0	0	0	0	3	0
HAMIRPUR	12	0.57	9.07	2.25	5.46	4 33.33 %	1 8.33%	5 41.67%	0	1 8.33 %	1 8.33%	10	2
HARDOI	21	0.08	1.91	0.05	0.94	7 33.33 %	0	0	14 66.67%	0	0	7	14
HATHRAS	7	0.08	1.13	0.08	2.91	2 28.57 %	0	0	4 57.14%	1 14.29 %	0	2	5
JALAUN	25	0.15	3.74	0.06	1.31	9 36.00 %	9 36.00%	0	7 28.00%	0	0	18	7
JAUNPUR	21	0.27	3.85	0.24	5.25	12 57.14 %	5 23.81%	0	2 9.52%	1 4.76 %	1 4.76%	17	4
JHANSI	20	0.17	4.20	0.50	2.06	12 60.00 %	3 15.00%	2 10.00%	2 10.00%	1 5.00 %	0	17	3
JYOTIBA PHULE NAGAR	10	0.01	0.33	0.09	0.72	4 40.00 %	0	0	6 60.00%	0	0	4	6

KANNAUJ	5	0.04	0.35	1.17	4.93	2 40.00 %	0	0	2 40.00%	0	1 20.00%	2	3
KANPUR DEHAT	6	0.05	1.07	0.52	2.14	3 50.00 %	0	0	2 33.33%	1 16.67 %	0	3	3
KANPUR NAGAR	10	0.23	1.74	0.09	2.10	6 60.00 %	0	0	3 30.00%	1 10.00 %	0	6	4
KAUSHAMBI	10	0.36	4.43	-	-	6 60.00 %	3 30.00%	1 10.00%	0	0	0	10	0
KHERI	9	0.34	0.50	0.11	2.10	2 22.22 %	0	0	6 66.67%	1 11.11 %	0	2	7
KUSHINAGAR	10	0.13	0.96	0.13	1.04	5 50.00 %	0	0	5 50.00%	0	0	5	5
LALITPUR	14	0.06	2.97	0.45	1.06	5 35.71 %	6 42.86%	0	3 21.43%	0	0	11	3
LUCKNOW	41	0.07	6.71	0.02	4.49	15 36.59 %	1 2.44%	1 2.44%	15 36.59%	8 19.51 %	1 2.44%	17	24
MAHOBA	8	1.94	3.85	1.04	1.04	1 12.50 %	6 75.00%	0	1 12.50%	0	0	7	1
MAHRAJGANJ	7	0.27	1.43	0.07	0.23	5 71.43 %	0	0	2 28.57%	0	0	5	2

MAINPURI	2	0.71	0.71	0.86	0.86	1 50.00 %	0	0	1 50.00%	0	0	1	1
MATHURA	16	0.03	1.61	0.08	1.15	10 62.50 %	0	0	6 37.50%	0	0	10	6
MAU	7	0.31	1.00	0.43	0.80	4 57.14 %	0	0	3 42.86%	0	0	4	3
MEERUT	6	-	-	0.01	1.83	0	0	0	4 66.67%	0	0	0	4
MIRZAPUR	13	0.04	14.20	1.01	3.41	7 53.85 %	2 15.38%	2 15.38%	1 7.69%	1 7.69 %	0	11	2
MORADABAD	20	0.07	5.30	0.02	1.19	10 50.00 %	0	1 5.00%	9 45.00%	0	0	11	9
MUZAFFAR NAGAR	12	.00	.00	-	1.45	2 16.67 %	0	0	9 75.00%	0	0	2	9
PILIBHIT	12	0.14	0.64	0.05	0.78	5 41.67 %	0	0	7 58.33%	0	0	5	7
PRATAPGARH	26	0.13	3.90	-	-	18 69.23 %	8 30.77%	0	0	0	0	26	0
RAE BARELI	24	0.05	2.69	0.00	0.55	17 70.83 %	2 8.33%	0	5 20.83%	0	0	19	5

RAMPUR	5	0.12	1.55	-	-	5 100.0 %	0	0	0	0	0	5	0
SAHARANP UR	4	0.11	0.15	0.10	0.12	2 50.00 %	0	0	2 50.00%	0	0	2	2
SANT KABIR NAGAR	5	0.07	2.12	0.04	0.04	3 60.00 %	1 20.00%	0	1 20.00%	0	0	4	1
SANT RAVIDAS NAGAR	5	0.12	2.40	0.43	0.43	1 20.00 %	3 60.00%	0	1 20.00%	0	0	4	1
SHAHJAHAN PUR	8	0.09	0.72	0.11	1.24	4 50.00 %	0	0	4 50.00%	0	0	4	4
SHRAWASTI	14	0.37	1.18	-	1.05	3 21.43 %	0	0	11 78.57%	0	0	3	11
SIDDHARTH NAGAR	11	0.17	1.70	0.02	0.32	6 54.55 %	0	0	5 45.45%	0	0	6	5
SITAPUR	15	0.01	0.45	0.08	1.16	4 26.67 %	0	0	11 73.33%	0	0	4	11
SONBHADR A	17	0.12	3.42	0.00	0.37	11 64.71 %	1 5.88%	0	5 29.41%	0	0	12	5
SULTANPUR	36	0.04	2.71	0.02	0.88	25 69.44 %	2 5.56%	0	9 25.00%	0	0	27	9

UNNAO	26	0.01	1.44	0.37	1.28	20 76.92 %	0	0	6 23.08%	0	0	20	6
VARANASI	12	1.14	2.75	0.21	4.04	2 16.67 %	1 8.33%	0	6 50.00%	2 16.67 %	1 8.33%	3	9
Total	898	0.00	1.94	0.00	8.43	447	95	20	293	31	8	562	332

District Wise - Fluctuation of Water Level with Mean and Selected Period

10 Years Mean (2004 Aug - 2013 Aug) - 2014/Aug

State   :   Uttar Pradesh

District Name	No. of Wells	Range of Fluctuation				No. of Wells/Percentage Showing Fluctuation						Total No. of Wells	
		Rise (m)		Fall (m)		Rise (m)			Fall (m)			Rise	Fall
		Min	Max	Min	Max	0 to 2	2 to 4	>4	0 to 2	2 to 4	>4		
AGRA	7	0.50	1.58	0.45	2.57	4 57.14 %	0	0	2 28.57%	1 14.29 %	0	4	3
ALIGARH	10	0.12	2.29	0.02	1.93	3 30.00 %	1 10.00%	0	6 60.00%	0	0	4	6
ALLAHABAD	28	0.01	3.56	0.39	5.04	13 46.43 %	3 10.71%	0	8 28.57%	2 7.14 %	2 7.14%	16	12
AMBEDKAR NAGAR	8	0.07	2.57	0.40	2.98	3 37.50 %	1 12.50%	0	3 37.50%	1 12.50 %	0	4	4
AURAIYA	9	0.35	1.43	0.88	2.34	4 44.44 %	0	0	4 44.44%	1 11.11 %	0	4	5
AZAMGARH	19	0.05	1.21	0.04	3.59	10 52.63 %	0	0	7 36.84%	2 10.53 %	0	10	9
BAHRAICH	15	0.47	2.67	0.23	0.92	4 26.67 %	1 6.67%	0	10 66.67%	0	0	5	10
BALLIA	17	0.13	0.39	0.01	5.05	3 17.65 %	0	0	8 47.06%	5 29.41 %	1 5.88%	3	14

BALRAMPU R	13	0.18	0.45	0.06	0.99	3 23.08 %	0	0	10 76.92%	0	0	3	10
BANDA	17	0.31	1.72	0.18	1.98	11 64.71 %	0	0	6 35.29%	0	0	11	6
BARABANKI	27	0.07	1.70	0.02	3.84	10 37.04 %	0	0	16 59.26%	1 3.70 %	0	10	17
BAREILLY	18	1.04	2.69	0.13	2.15	2 11.11 %	1 5.56%	0	14 77.78%	1 5.56 %	0	3	15
BASTI	7	-	-	0.33	2.86	0	0	0	6 85.71%	1 14.29 %	0	0	7
BIJNOR	9	0.04	0.92	0.01	2.47	5 55.56 %	0	0	3 33.33%	1 11.11 %	0	5	4
BUDAUN	15	0.12	1.35	0.19	1.58	5 33.33 %	0	0	10 66.67%	0	0	5	10
BULANDSH AHR	9	0.74	0.74	0.26	2.59	1 11.11 %	0	0	7 77.78%	1 11.11 %	0	1	8
CHANDAULI	9	0.50	2.08	0.16	4.90	1 11.11 %	1 11.11%	0	5 55.56%	1 11.11 %	1 11.11%	2	7
CHITRAKOO T	11	0.39	3.63	1.14	3.35	4 36.36 %	2 18.18%	0	3 27.27%	2 18.18 %	0	6	5

DEORIA	10	0.05	0.96	0.02	0.19	8 80.00 %	0	0	2 20.00%	0	0	8	2
ETAH	6	-	-	0.34	1.55	0	0	0	6 100.0 %	0	0	0	6
ETAWAH	4	0.26	1.46	1.82	2.12	2 50.00 %	0	0	1 25.00%	1 25.00 %	0	2	2
FAIZABAD	7	0.11	0.11	0.52	1.39	1 14.29 %	0	0	6 85.71%	0	0	1	6
FARRUKHA BAD	5	-	-	0.67	2.41	0	0	0	4 80.00%	1 20.00 %	0	0	5
FATEHPUR	15	0.44	2.71	0.18	3.37	4 26.67 %	2 13.33%	0	5 33.33%	4 26.67 %	0	6	9
FIROZABAD	5	0.36	1.32	0.49	1.61	3 60.00 %	0	0	2 40.00%	0	0	3	2
GAUTAM BUDDHA NAGAR	7	2.10	2.10	0.06	5.77	0	1 14.29%	0	4 57.14%	0	2 28.57%	1	6
GHAZIPUR	16	0.28	1.91	0.08	4.47	6 37.50 %	0	0	5 31.25%	4 25.00 %	1 6.25%	6	10
GONDA	7	-	-	0.36	1.44	0	0	0	7 100.0 %	0	0	0	7

GORAKHPUR	3	0.47	0.67	1.56	1.56	2 66.67 %	0	0	1 33.33%	0	0	2	1
HAMIRPUR	12	0.62	5.60	0.95	10.82	4 33.33 %	1 8.33%	3 25.00%	2 16.67%	1 8.33 %	1 8.33%	8	4
HARDOI	19	0.12	1.18	0.83	3.71	2 10.53 %	0	0	8 42.11%	9 47.37 %	0	2	17
HATHRAS	9	0.43	0.90	0.44	3.10	2 22.22 %	0	0	3 33.33%	4 44.44 %	0	2	7
JALAUN	27	0.29	3.56	0.15	2.74	12 44.44 %	3 11.11%	0	11 40.74%	1 3.70 %	0	15	12
JAUNPUR	19	0.02	4.71	0.01	0.74	11 57.89 %	3 15.79%	1 5.26%	4 21.05%	0	0	15	4
JHANSI	17	0.22	3.10	0.38	2.99	8 47.06 %	1 5.88%	0	5 29.41%	3 17.65 %	0	9	8
JYOTIBA PHULE NAGAR	10	-	-	0.47	2.00	0	0	0	10 100.0%	0	0	0	10
KANNAUJ	5	0.61	0.61	1.41	2.92	1 20.00 %	0	0	2 40.00%	2 40.00 %	0	1	4
KANPUR DEHAT	5	0.21	0.21	0.49	3.12	1 20.00 %	0	0	2 40.00%	2 40.00 %	0	1	4

KANPUR NAGAR	9	0.39	0.39	0.10	4.82	1 11.11 %	0	0	7 77.78%	0	1 11.11%	1	8
KAUSHAMBI	10	0.31	4.07	0.08	1.04	5 50.00 %	0	1 10.00%	4 40.00%	0	0	6	4
KHERI	9	-	-	0.22	4.21	0	0	0	8 88.89%	0	1 11.11%	0	9
KUSHINAGAR	11	0.01	1.26	0.58	1.70	9 81.82 %	0	0	2 18.18%	0	0	9	2
LALITPUR	13	0.09	2.05	0.31	4.97	4 30.77 %	1 7.69%	0	5 38.46%	2 15.38 %	1 7.69%	5	8
LUCKNOW	39	0.11	5.27	0.19	5.45	10 25.64 %	0	1 2.56%	18 46.15%	9 23.08 %	1 2.56%	11	28
MAHOBA	8	0.69	2.23	0.01	2.16	4 50.00 %	1 12.50%	0	2 25.00%	1 12.50 %	0	5	3
MAHRAJGANJ	6	0.02	1.15	-	-	6 100.0 %	0	0	0	0	0	6	0
MAINPURI	4	0.25	0.25	0.72	1.40	1 25.00 %	0	0	3 75.00%	0	0	1	3
MATHURA	12	0.17	3.55	0.55	3.34	6 50.00 %	1 8.33%	0	4 33.33%	1 8.33 %	0	7	5

MAU	6	0.08	0.08	1.05	3.99	1 16.67 %	0	0	4 66.67%	1 16.67 %	0	1	5
MIRZAPUR	12	0.15	10.49	0.01	2.81	6 50.00 %	1 8.33%	1 8.33%	3 25.00%	1 8.33 %	0	8	4
MORADABA D	18	0.09	4.69	0.37	6.56	2 11.11 %	0	1 5.56%	11 61.11%	3 16.67 %	1 5.56%	3	15
PILIBHIT	10	-	-	0.35	1.86	0	0	0	10 100.0 %	0	0	0	10
PRATAPGAR H	26	0.01	8.24	0.17	4.32	5 19.23 %	2 7.69%	2 7.69%	12 46.15%	4 15.38 %	1 3.85%	9	17
RAE BARELI	24	.00	3.10	0.01	0.73	15 62.50 %	2 8.33%	0	7 29.17%	0	0	17	7
RAMPUR	5	0.37	0.79	0.55	2.49	2 40.00 %	0	0	2 40.00%	1 20.00 %	0	2	3
SANT KABIR NAGAR	5	0.53	1.57	-	-	5 100.0 %	0	0	0	0	0	5	0
SANT RAVIDAS NAGAR	4	1.45	3.56	1.15	1.15	1 25.00 %	2 50.00%	0	1 25.00%	0	0	3	1
SHAHJAHAN PUR	11	0.10	2.67	0.02	2.11	2 18.18 %	1 9.09%	0	7 63.64%	1 9.09 %	0	3	8

SHRAWASTI	11	0.34	0.80	0.12	0.88	2 18.18 %	0	0	9 81.82%	0	0	2	9
SIDDHARTH NAGAR	11	0.33	0.33	0.31	2.46	1 9.09 %	0	0	9 81.82%	1 9.09 %	0	1	10
SITAPUR	17	-	-	0.47	3.43	0	0	0	11 64.71%	6 35.29 %	0	0	17
SONBHADRA	17	0.06	3.95	0.08	4.03	5 29.41 %	5 29.41%	0	5 29.41%	1 5.88 %	1 5.88%	10	7
SULTANPUR	34	0.13	2.38	0.03	2.69	8 23.53 %	1 2.94%	0	23 67.65%	2 5.88 %	0	9	25
UNNAO	26	0.02	3.51	0.02	3.29	6 23.08 %	1 3.85%	0	15 57.69%	4 15.38 %	0	7	19
VARANASI	12	2.10	7.53	0.33	2.75	0	3 25.00%	1 8.33%	6 50.00%	2 16.67 %	0	4	8
Total	826	0.08	2.10	0.00	10.82	260	42	11	406	92	15	313	513

District Wise - Fluctuation of Water Level with Mean and Selected Period

10 Years Mean (2004 Nov - 2013 Nov) - 2014/Nov

State   :   Uttar Pradesh

District Name	No. of Wells	Range of Fluctuation				No. of Wells/Percentage Showing Fluctuation						Total No. of Wells	
		Rise (m)		Fall (m)		Rise (m)			Fall (m)			Rise	Fall
		Min	Max	Min	Max	0 to 2	2 to 4	>4	0 to 2	2 to 4	>4		
AGRA	18	0.12	2.38	0.11	3.49	4 22.22 %	2 11.11%	0	7 38.89%	5 27.78 %	0	6	12
ALIGARH	9	0.17	1.48	0.51	5.84	4 44.44 %	0	0	4 44.44%	0	1 11.11%	4	5
ALLAHABAD	30	.00	3.63	0.07	7.52	14 46.67 %	2 6.67%	0	11 36.67%	0	3 10.00%	16	14
AMBEDKAR NAGAR	9	0.20	0.57	0.01	2.74	3 33.33 %	0	0	5 55.56%	1 11.11 %	0	3	6
AURAIYA	13	0.11	4.43	0.14	3.47	3 23.08 %	0	1 7.69%	6 46.15%	3 23.08 %	0	4	9
AZAMGARH	22	0.14	1.35	0.03	2.90	10 45.45 %	0	0	11 50.00%	1 4.55 %	0	10	12
BAHRAICH	14	.00	0.74	0.10	0.40	4 28.57 %	0	0	10 71.43%	0	0	4	10
BALLIA	17	0.01	2.13	0.04	3.97	9 52.94 %	1 5.88%	0	6 35.29%	1 5.88 %	0	10	7

BALRAMPUR	14	0.09	0.51	0.20	0.51	10 71.43 %	0	0	4 28.57%	0	0	10	4
BANDA	14	0.16	4.95	0.11	2.96	3 21.43 %	0	1 7.14%	7 50.00%	3 21.43 %	0	4	10
BARABANKI	27	.00	0.83	0.05	1.41	10 37.04 %	0	0	17 62.96%	0	0	10	17
BAREILLY	17	0.10	0.32	0.25	3.19	2 11.76 %	0	0	13 76.47%	2 11.76 %	0	2	15
BASTI	8	0.04	0.73	0.08	0.64	3 37.50 %	0	0	5 62.50%	0	0	3	5
BIJNOR	9	1.19	1.50	0.18	1.94	2 22.22 %	0	0	7 77.78%	0	0	2	7
BUDAUN	17	0.28	0.28	0.35	2.12	1 5.88 %	0	0	15 88.24%	1 5.88 %	0	1	16
BULANDSHAHR	4	-	-	0.65	3.51	0	0	0	2 50.00%	2 50.00 %	0	0	4
CHANDAULI	9	0.27	2.65	0.06	3.04	2 22.22 %	1 11.11%	0	5 55.56%	1 11.11 %	0	3	6
CHITRAKOOT	10	0.62	2.16	1.20	5.07	3 30.00 %	1 10.00%	0	3 30.00%	2 20.00 %	1 10.00%	4	6

District													
DEORIA	10	0.26	0.40	0.07	0.24	4 40.00 %	0	0	6 60.00%	0	0	4	6
ETAH	6	-	-	0.63	1.79	0	0	0	6 100.0%	0	0	0	6
ETAWAH	7	0.18	0.78	0.46	7.17	3 42.86 %	0	0	2 28.57%	1 14.29 %	1 14.29%	3	4
FAIZABAD	7	-	-	0.27	1.68	0	0	0	7 100.0%	0	0	0	7
FARRUKHABAD	5	-	-	1.08	1.93	0	0	0	5 100.0%	0	0	0	5
FATEHPUR	13	0.26	5.76	0.26	5.69	3 23.08 %	2 15.38%	1 7.69%	5 38.46%	1 7.69 %	1 7.69%	6	7
FIROZABAD	8	2.39	2.39	0.28	3.79	0	1 12.50%	0	5 62.50%	2 25.00 %	0	1	7
GAUTAM BUDDHA NAGAR	7	-	-	0.46	9.62	0	0	0	4 57.14%	1 14.29 %	2 28.57%	0	7
GHAZIABAD	8	-	-	1.14	2.37	0	0	0	7 87.50%	1 12.50 %	0	0	8
GHAZIPUR	17	0.22	1.83	0.19	4.48	6 35.29 %	0	0	7 41.18%	3 17.65 %	1 5.88%	6	11

GONDA	8	-	-	0.30	0.71	0	0	0	8 100.0 %	0	0	0	8
GORAKHPUR	6	0.75	1.43	0.20	0.38	3 50.00 %	0	0	3 50.00%	0	0	3	3
HAMIRPUR	11	0.23	5.23	0.43	6.78	4 36.36 %	1 9.09%	1 9.09%	3 27.27%	1 9.09 %	1 9.09%	6	5
HARDOI	19	0.27	0.89	0.16	3.23	2 10.53 %	0	0	9 47.37%	8 42.11 %	0	2	17
HATHRAS	8	0.27	0.27	0.51	2.42	1 12.50 %	0	0	5 62.50%	2 25.00 %	0	1	7
JALAUN	23	0.04	2.02	0.32	9.93	5 21.74 %	1 4.35%	0	12 52.17%	3 13.04 %	2 8.70%	6	17
JAUNPUR	10	0.32	2.71	0.08	3.58	4 40.00 %	1 10.00%	0	3 30.00%	2 20.00 %	0	5	5
JHANSI	15	0.20	1.32	0.14	2.87	7 46.67 %	0	0	7 46.67%	1 6.67 %	0	7	8
JYOTIBA PHULE NAGAR	10	0.71	0.71	0.27	2.77	1 10.00 %	0	0	8 80.00%	1 10.00 %	0	1	9
KANNAUJ	5	-	-	0.09	2.32	0	0	0	3 60.00%	2 40.00 %	0	0	5

KANPUR DEHAT	7	-	-	0.37	3.63	0	0	0	4 57.14%	3 42.86 %	0	0	7
KANPUR NAGAR	13	0.08	0.62	0.55	4.96	6 46.15 %	0	0	4 30.77%	2 15.38 %	1 7.69%	6	7
KHERI	9	0.16	0.16	0.03	4.03	1 11.11 %	0	0	6 66.67%	1 11.11 %	1 11.11%	1	8
KUSHINAGAR	11	0.15	0.97	0.25	1.30	8 72.73 %	0	0	3 27.27%	0	0	8	3
LALITPUR	12	0.22	1.87	0.33	4.34	7 58.33 %	0	0	3 25.00%	1 8.33 %	1 8.33%	7	5
LUCKNOW	38	0.20	1.47	0.20	5.88	5 13.16 %	0	0	21 55.26%	9 23.68 %	3 7.89%	5	33
MAHOBA	8	1.12	1.12	0.12	2.88	1 12.50 %	0	0	5 62.50%	2 25.00 %	0	1	7
MAHRAJGANJ	7	0.12	1.44	0.58	0.58	6 85.71 %	0	0	1 14.29%	0	0	6	1
MAINPURI	4	-	-	0.09	1.43	0	0	0	4 100.0 %	0	0	0	4
MATHURA	16	0.11	3.09	0.08	3.68	2 12.50 %	1 6.25%	0	12 75.00%	1 6.25 %	0	3	13

MAU	8	-	-	0.46	2.21	0	0	0	6 75.00%	2 25.00 %	0	0	8
MEERUT	4	-	-	0.01	3.93	0	0	0	2 50.00%	2 50.00 %	0	0	4
MIRZAPUR	13	0.19	3.29	0.37	3.81	5 38.46 %	1 7.69%	0	4 30.77%	3 23.08 %	0	6	7
MORADABAD	17	0.58	1.27	0.29	1.95	2 11.76 %	0	0	15 88.24%	0	0	2	15
MUZAFFAR NAGAR	9	0.41	0.41	0.19	3.54	1 11.11 %	0	0	6 66.67%	2 22.22 %	0	1	8
PILIBHIT	12	0.03	0.03	0.27	1.18	1 8.33 %	0	0	11 91.67%	0	0	1	11
RAE BARELI	28	.00	2.52	0.14	1.70	17 60.71 %	4 14.29%	0	7 25.00%	0	0	21	7
RAMPUR	5	2.56	2.56	0.63	1.96	0	1 20.00%	0	4 80.00%	0	0	1	4
SAHARANPUR	6	0.62	0.82	0.97	1.55	3 50.00 %	0	0	3 50.00%	0	0	3	3
SANT KABIR NAGAR	5	0.20	0.82	0.40	0.40	4 80.00 %	0	0	1 20.00%	0	0	4	1

SANT RAVIDAS NAGAR	4	0.17	1.26	0.50	0.89	2 50.00 %	0	0	2 50.00%	0	0	2	2
SHAHJAHANPUR	8	1.16	1.16	0.29	3.34	1 12.50 %	0	0	6 75.00%	1 12.50 %	0	1	7
SHRAWASTI	14	0.17	0.44	0.01	0.94	4 28.57 %	0	0	10 71.43%	0	0	4	10
SIDDHARTH NAGAR	10	0.25	1.00	-	-	10 100.0 %	0	0	0	0	0	10	0
SITAPUR	17	-	-	0.11	4.25	0	0	0	14 82.35%	2 11.76 %	1 5.88%	0	17
SONBHADRA	17	0.05	1.74	0.13	3.21	9 52.94 %	0	0	7 41.18%	1 5.88 %	0	9	8
SULTANPUR	39	0.06	1.23	0.03	3.02	18 46.15 %	0	0	19 48.72%	2 5.13 %	0	18	21
UNNAO	28	0.40	2.25	0.01	2.85	4 14.29 %	1 3.57%	0	21 75.00%	2 7.14 %	0	5	23
VARANASI	12	0.05	2.20	0.13	4.96	4 33.33 %	1 8.33%	0	5 41.67%	1 8.33 %	1 8.33%	5	7
Total	845	0.03	2.56	0.00	9.93	251	22	4	459	88	21	277	568

District Wise - Fluctuation of Water Level with Mean and Selected Period

10 Years Mean (2005 Jan - 2014 Jan) - 2015/Jan

State : **Uttar Pradesh**

District Name	No. of Wells	Range of Fluctuation				No. of Wells/Percentage Showing Fluctuation						Total No. of Wells	
		Rise (m)		Fall (m)		Rise (m)			Fall (m)			Rise	Fall
		Min	Max	Min	Max	0 to 2	2 to 4	>4	0 to 2	2 to 4	>4		
AGRA	7	0.68	5.91	0.25	1.72	1 14.29 %	0	2 28.57%	4 57.14%	0	0	3	4
ALLAHABAD	29	0.10	4.49	0.17	3.45	18 62.07 %	1 3.45%	1 3.45%	6 20.69%	3 10.34 %	0	20	9
AMBEDKAR NAGAR	7	0.01	0.51	0.02	1.30	4 57.14 %	0	0	3 42.86%	0	0	4	3
AURAIYA	11	0.33	1.21	0.71	5.06	4 36.36 %	0	0	4 36.36%	2 18.18 %	1 9.09%	4	7
AZAMGARH	19	0.07	1.62	0.07	1.56	10 52.63 %	0	0	9 47.37%	0	0	10	9
BAHRAICH	14	0.07	0.49	0.09	0.53	5 35.71 %	0	0	9 64.29%	0	0	5	9
BALLIA	18	0.05	2.00	0.13	3.34	8 44.44 %	0	0	9 50.00%	1 5.56 %	0	8	10
BALRAMPUR	16	0.21	0.93	0.07	1.17	10 62.50 %	0	0	6 37.50%	0	0	10	6

BARABANKI	27	-	-	0.02	2.07	0	0	0	26 96.30%	1 3.70 %	0	0	27
BAREILLY	17	0.03	0.18	0.12	5.80	2 11.76 %	0	0	14 82.35%	0	1 5.88%	2	15
BASTI	8	0.91	0.91	0.04	0.35	1 12.50 %	0	0	7 87.50%	0	0	1	7
BIJNOR	9	0.02	1.11	0.01	1.41	5 55.56 %	0	0	4 44.44%	0	0	5	4
BUDAUN	12	-	-	0.52	1.58	0	0	0	12 100.0%	0	0	0	12
BULANDSH AHR	3	-	-	0.20	1.38	0	0	0	3 100.0%	0	0	0	3
DEORIA	9	0.18	1.03	0.19	0.99	5 55.56 %	0	0	4 44.44%	0	0	5	4
ETAH	6	0.01	0.01	0.58	1.42	1 16.67 %	0	0	5 83.33%	0	0	1	5
ETAWAH	5	0.91	0.91	0.14	9.00	1 20.00 %	0	0	3 60.00%	0	1 20.00%	1	4
FAIZABAD	6	0.57	0.57	0.03	0.78	1 16.67 %	0	0	5 83.33%	0	0	1	5

FARRUKHA BAD	6	-	-	0.72	2.14	0	0	0	5 83.33%	1 16.67 %	0	0	6
FIROZABAD	4	0.10	0.10	0.01	0.09	1 25.00 %	0	0	3 75.00%	0	0	1	3
GAUTAM BUDDHA NAGAR	7	0.10	0.10	0.81	6.20	1 14.29 %	0	0	3 42.86%	0	3 42.86%	1	6
GHAZIPUR	19	0.13	2.54	0.11	2.91	6 31.58 %	1 5.26%	0	9 47.37%	3 15.79 %	0	7	12
GONDA	9	0.07	0.07	0.24	1.08	1 11.11 %	0	0	8 88.89%	0	0	1	8
GORAKHPU R	4	0.97	0.97	0.03	0.43	1 25.00 %	0	0	3 75.00%	0	0	1	3
HARDOI	21	1.35	1.35	0.60	2.68	1 4.76 %	0	0	16 76.19%	4 19.05 %	0	1	20
HATHRAS	7	0.89	0.89	0.01	1.93	1 14.29 %	0	0	6 85.71%	0	0	1	6
JALAUN	27	0.07	5.40	0.01	12.60	7 25.93 %	1 3.70%	1 3.70%	12 44.44%	5 18.52 %	1 3.70%	9	18
JAUNPUR	10	0.10	3.63	0.02	0.02	5 50.00 %	4 40.00%	0	1 10.00%	0	0	9	1

JHANSI	18	0.08	2.04	0.05	4.94	9 50.00 %	1 5.56%	0	6 33.33%	1 5.56 %	1 5.56%	10	8
JYOTIBA PHULE NAGAR	9	0.01	0.01	0.69	1.14	1 11.11 %	0	0	8 88.89%	0	0	1	8
KANNAUJ	5	0.25	0.25	0.29	2.36	1 20.00 %	0	0	2 40.00%	2 40.00 %	0	1	4
KANPUR DEHAT	8	-	-	0.59	3.74	0	0	0	4 50.00%	4 50.00 %	0	0	8
KANPUR NAGAR	11	0.26	1.14	0.05	2.72	3 27.27 %	0	0	5 45.45%	3 27.27 %	0	3	8
KAUSHAMBI	8	0.02	1.94	0.02	0.99	3 37.50 %	0	0	5 62.50%	0	0	3	5
KHERI	10	0.01	0.15	0.36	2.65	4 40.00 %	0	0	4 40.00%	2 20.00 %	0	4	6
KUSHINAGAR	10	0.05	0.76	0.24	0.90	5 50.00 %	0	0	5 50.00%	0	0	5	5
LALITPUR	15	0.02	1.45	0.05	3.83	5 33.33 %	0	0	8 53.33%	2 13.33 %	0	5	10
LUCKNOW	39	0.21	1.22	0.11	5.48	4 10.26 %	0	0	25 64.10%	9 23.08 %	1 2.56%	4	35

MAHRAJGA NJ	6	0.30	0.74	0.14	0.67	2 33.33 %	0	0	4 66.67%	0	0	2	4
MAINPURI	4	0.19	0.29	0.07	0.53	2 50.00 %	0	0	2 50.00%	0	0	2	2
MATHURA	16	0.01	3.42	0.02	2.23	4 25.00 %	1 6.25%	0	10 62.50%	1 6.25 %	0	5	11
MAU	8	-	-	0.36	2.45	0	0	0	7 87.50%	1 12.50 %	0	0	8
MORADABA D	18	0.16	0.52	0.17	1.79	2 11.11 %	0	0	16 88.89%	0	0	2	16
PILIBHIT	9	-	-	0.45	1.95	0	0	0	9 100.0%	0	0	0	9
RAE BARELI	30	0.10	2.54	0.10	1.62	13 43.33 %	2 6.67%	0	15 50.00%	0	0	15	15
RAMPUR	4	1.58	1.89	1.71	2.86	2 50.00 %	0	0	1 25.00%	1 25.00 %	0	2	2
SANT KABIR NAGAR	5	0.38	0.44	0.31	1.39	2 40.00 %	0	0	3 60.00%	0	0	2	3
SHAHJAHAN PUR	10	1.55	1.64	1.44	3.21	2 20.00 %	0	0	4 40.00%	4 40.00 %	0	2	8

SHRAWASTI	14	0.05	0.82	0.01	0.67	9 64.29 %	0	0	5 35.71%	0	0	9	5
SIDDHARTH NAGAR	11	0.39	1.20	-	-	11 100.0 %	0	0	0	0	0	11	0
SITAPUR	19	0.29	0.29	0.13	3.05	1 5.26 %	0	0	17 89.47%	1 5.26 %	0	1	18
SULTANPUR	35	0.06	1.78	0.03	1.91	19 54.29 %	0	0	16 45.71%	0	0	19	16
UNNAO	29	0.04	0.82	0.19	3.37	5 17.24 %	0	0	22 75.86%	2 6.90 %	0	5	24
Total	688	0.01	1.58	0.00	12.60	209	11	4	402	53	9	224	464