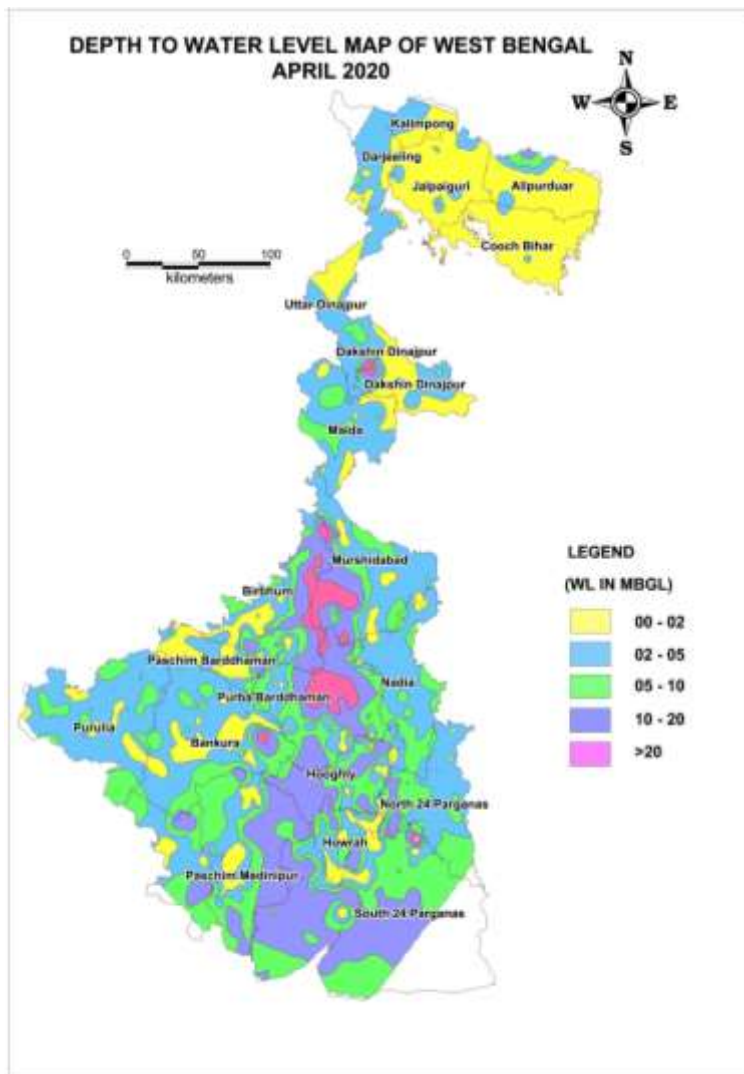




CENTRAL GROUND WATER BOARD  
MINISTRY OF WATER RESOURCES  
GOVERNMENT OF INDIA

GROUND WATER YEAR BOOK OF WEST BENGAL  
&  
ANDAMAN & NICOBAR ISLANDS  
(2020-2021)



Eastern Region  
Kolkata  
June 2021



**CENTRAL GROUND WATER BOARD  
MINISTRY OF WATER RESOURCES  
GOVERNMENT OF INDIA**

**GROUND WATER YEAR BOOK OF WEST BENGAL  
&  
ANDAMAN & NICOBAR ISLANDS  
(2020-2021)**

**EASTERN REGION  
"Bhujalika"  
Block-CP 6, Sector - V  
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**HEAD QUARTERS  
BHUJAL BHAVAN  
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## **FOREWORD**

To understand the spatio-temporal variations in the existing hydrogeological regime, a network of Ground Water Monitoring Wells (GMMW) has been set up all over West Bengal and Andaman Group of Islands by Central Ground Water Board, Eastern Region. These GMMWs are represented by various ground water abstraction structures, as found suitable for prevailing aquifer systems of the area. Systematic and periodical monitoring of these GMMWs aids in the identification and quantification of changes in groundwater availability and its quality, which is vital for ascertaining sustainable ground water development and efficient management of ground water resources.

At present a total of 1500 GMMWs are monitored representing almost all the blocks of twenty three districts of the states of West Bengal. Due to inaccessibility in Andaman group of Islands, initially the task was taken up with the help of a few GMMWs but gradually the number of stations have been increased to 113. However, at present no GMMW has been established in Nicobar group of Islands and in Little Andaman, due to their inaccessibility. Periodic ground water level measurements were taken up four times in a year in 2020-2021, (i.e. in the month of April, August, November and January) in West Bengal and two times in a year (i.e. April and November) in Andaman group of Islands. The scientific officers and technical personnel of the Eastern Regional office, systematically collected field data throughout the year. While the chemists have analysed the water samples collected from GMMWs to adjudge the variation of chemical quality of groundwater in the state and occurrence of toxic minerals.

This report attempts to compile the collected data during 2020-2021 and present its detailed analysis in a comprehensive manner in the form of maps and statistical analysis and brought out in two sections, where Section-A embodies report for West Bengal and Section-B forms report for Andaman group of Islands. Water level data for all four measurements have been collected by the officers of CGWB, ER. Chemical analysis has been carried out by chemists Shri Atalanta Narayan Chowdhury, Assistant Chemist, and Dr. Suparna Dutta, Assistant Chemist at NABL accredited Chemical lab of CGWB, ER. Compilation of this report, evaluation of data and preparation of relevant maps and their reproduction in the form of present report is outcome of efforts put in by Mrs Rose Anita Kujur, Scientist D. I would also like to mention the contributions of Mr Niraj Kumar, MTS during compilation of the report. The section pertaining to Hydrochemistry has been prepared by Shri Atalanta Narayan Chowdhury, Assistant Chemist and Dr Suparna Dutta, Assistant Chemist. Their efforts are also thankfully acknowledged.

Due to the spread of Pandemic Covid-19 and inaccessibility to the area because of lockdown, the water level from Andaman and Nicobar Islands was not measured. Hence the report of 2019-2020 has been attached to complete the compilation of groundwater yearbook 2020-2021.

Dissemination of technical information in a very useful way to the user agencies is an important aspect that plays a vital role in the safe and optimal development of groundwater resources in our country. Central Ground Water Board is bringing out the "Groundwater Year Book" each year as an effort in this direction. It is sincerely hoped that this report will be immensely useful not only to various user agencies, Engineers, Scientists, Administrators, Planners and others involved in groundwater planning, development and management but also to the common man in need of such information to make themselves aware of the ground situation.



(Dr S.K.Samanta)  
Regional Director

## ABSTRACT

In West Bengal, ground water level monitoring is being carried out by Central Ground Water Board, Eastern Region from 1500 Ground Water Monitoring Wells covering all districts of West Bengal encompassing various hydrogeological and agro-climatic zones during the month of April, 2020, August, 2020, November, 2020 and January, 2021. In Andaman and Nicobar Islands, monitoring of water level is carried out from 113 nos. GWMSs established in different hydrogeological and geomorphic terrains. Out of 113 GWMS, 111 wells are open dug well and rest two are bore well. In Kolkata City, monthly monitoring of water level is carried out using 36 nos. GWMS.

Collected water level data were statistically analyzed and relevant maps depicting ground water scenario corresponding to various measurements were prepared. All datasets were compared and analyzed with pre-monsoon measurements and also with dataset of same period for previous year. Mean depth-to-water level for the period 2010-2019 was compared with corresponding measurements and analyzed to delineate the behavior of water levels. Status of Ground Water Monitoring Stations and number of the wells monitored during four water level measurements are also prepared. Statistical data incorporate ranges of water levels and water level fluctuations, minimum and maximum values of water level, number of wells measured, percentage of monitoring stations falling in different ranges with district-wise breakup in different pre-defined categories in compliance with national guideline. Along with the general well information, depth to water level data of all network hydrograph stations, are also presented. The water samples collected during April 2020 in West Bengal and Kolkata were chemically analyzed and the data generated has been presented.

Present report has been prepared on groundwater scenario of West Bengal reflecting the status of groundwater regime as revealed through ground water level during 2020-21.

## GROUNDWATER SCENARIO IN WEST BENGAL AT A GLANCE

Location(bound)	N Latitudes, 21°31'0'', 27°33'15'', E Longitudes, 85°45'20'', 89°33'0'',
Geographical Area	88752 sq. km.
Population (2011)	9,13,47,736
Rural Population	62183113
Urban Population	29093002
No. of Districts	23
No. of Blocks	341
Normal Annual Rainfall	1,234 mm - 4,136 mm
Net sown area	4991222 hec
Area under forest	1173669 hec
Area not available for cultivation	1839970 hec
Other uncultivated land excluding fallow	105008 hec
Current Fallow land	574244 hec
Cropping intensity	177 %
Total annual ground water recharge (As on March-2013)(based on GEC '1997 methodology)	29.33 BCM
Net ground water availability (As on March-2013) (based on GEC '1997 methodology)	26.56 BCM
Existing gross ground water draft for Irrigation (As on March-2013)(based on GEC '1997 methodology)	10.84 BCM
Existing gross ground water draft for domestic (As on March-2013)(based on GEC '1997 methodology)	0.73 BCM
Existing gross ground water draft for industrial uses (As on March-2013)(based on GEC '1997 methodology)	0.27 BCM
Gross annual ground water draft for 'All Uses' (As on March-2013)(based on GEC '1997 methodology)	11.84 BCM
<b>Stage</b> of ground water development (As on March-2013)(based on GEC '1997 methodology)	44.60%
Number of <b>critical</b> blocks (As on March-2013)(based on GEC '1997 methodology)	1
Number of <b>semi-critical</b> blocks (As on March-2013)(based on GEC '1997 methodology)	76
Number of <b>Safe</b> blocks (As on March-2013)(based on GEC '1997 methodology)	191

## GROUND WATER SCENARIO AT-A-GLANCE IN ANDAMAN & NICOBAR ISLANDS

Location (bound)	Longitude 92° to 94° East; Latitude 6° to 14° North
Area	8,249 sq. km. (Andaman-6408 sq. km., Nicobar-1841 sq. km.)
Capital	Port Blair
Altitude	Varies from Sea level to 732 metres (Highest Point - Saddle Peak in North Andaman near Kalipur beach)
Temperature	Mean Minimum 23.8°C Mean Maximum 30.2°C
Rainfall	3000 mm
Relative Humidity	79% to 82%
Total Population (2011)	3,80,500
Rural Population	2,37,012
Urban Population	1,43,488
Literacy Rate (As per provisional population Census-2013)	86.6 %
Forest Cover	92%
Net ground water availability (As on March-2020) (based on GEC '15 methodology) (for 36 islands)	0.2849206 BCM
Total annual ground water recharge (based on GEC '15) (As on March-2020)	0.3155131 BCM
Existing gross ground water draft for Irrigation (based on GEC '15) (As on March-2020)	0.00014786 BCM
Existing gross ground water draft for domestic (based on GEC '15) (As on March-2020)	0.00627245 BCM
Existing gross ground water draft for industrial uses (based on GEC '15) (As on March-2020)	0.000975237 BCM
Gross annual ground water draft for 'All Uses' (based on GEC '15) (As on March-2020)	0.0073949 BCM
Stage of ground water development (based on GEC '15) (As on March-2020)	2.60 %

# GROUND WATER YEAR BOOK OF WEST BENGAL AND ANDAMAN & NICOBAR ISLANDS

**2020 – 2021**

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# **Section A**

# GROUND WATER YEAR BOOK OF WEST BENGAL (2020 – 2021)

## 1.0 INTRODUCTION

Periodical monitoring of ground water regime covering different hydrogeomorphic, hydrogeological units is an effort to acquire information on behaviour of **ground water levels, chemical quality and temperature** of formation water through representative sampling. The process is essential in both spatial and temporal domain, to consolidate a detailed knowledge about ground water scenario of an area with respect to its behaviour, availability and quality. Thus, data so collected during monitoring becomes one of the most important inputs for a holistic ground water management.

Monitoring is carried out by establishing suitable *Ground Water Monitoring Stations* (GWMS) based on geomorphology, geology, hydrogeology and status of ground water resource of the area with a view to observe the trend of water level and change of chemical quality with space and time. It is also essential for estimation of ground water resources and to demarcate the water logging as well as drought prone areas.

In West Bengal, ground water monitoring was started since 1976 when most of the ground water structures were mainly dug wells and the development of the ground water resource was very limited. It is only after 1985, actual ground water development started in irrigational sector and took its full swing from 90s. Accordingly, network stations (GWMS) for monitoring of water level data were also changed in different periods. However, from late nineties, these old wells are being replaced by well-defined piezometers in phased manner with an expectation that in near future, this effort will provide better result.

## 1.1 BACKGROUND

The Central Ground Water Board, Eastern Region, is at present monitoring 1810 operational GWMS (network hydrograph stations) to delineate the behaviour of ground water level in spatio-temporal domain, covering entire state of West Bengal four times a year, viz. January (from 1<sup>st</sup> to 10<sup>th</sup>), April (from 20<sup>th</sup> to 30<sup>th</sup>), August (from 20<sup>th</sup> to 30<sup>th</sup>) and November (from 1<sup>st</sup> to 10<sup>th</sup>).

The district-wise status of GWMS in West Bengal during the period from March 2020 to March 2021 is given in **Table 1**. The locations of GWMW are shown in **Plate - I**. To get a detailed water level

scenario in the urban area especially in metro city, CGWB, Eastern Region, is also monitoring monthly measurement from 35 monitoring stations in Kolkata City (**Plate - II**).

The district-wise water level data of GMMW for the period April, 2020; August 2020; November 2020; and January 2021 are given in **Annexure - I**. The results of chemical analysis of water samples collected during April 2020 are also discussed and analytical data are given in **Annexure - II**.

## **2.0 PHYSIOGRAPHY AND DRAINAGE**

In general the state of West Bengal is a flat terrain, crisscrossed with rivers except the Himalayan foothills in the north and Chotanagpur plateau in the south-west. Southern flowing Ganga River and its numerous tributaries & distributaries mainly drain the State. The Ganga River system encompasses the catchment areas of the Mahananda, Jalangi, Bhairab etc. in the eastern part and the Mayurakshi, Ajoy, Damodar, Dwarakeshwar and Kasai in the western part. The Teesta, Torsa and Jaldhaka streams of the Brahmaputra river system originate in the Himalayas and drain the northern part of the State. Beside these, there is a small independent river basin, namely Subarnarekha basin covering southwestern part of the State in Medinipur district. Physiographically, the area incorporates extra – peninsular region of the north, peninsular mass of the south – west, and alluvial and deltaic plains of the south and south-east. The State can be broadly divided into four distinct physiographical divisions as:

- (i) Himalayan Region comprising Darjeeling, Jalpaiguri and Kochbehar districts;
- (ii) Eastern fringe of Chottanagpur Plateau comprising districts of Puruliya, western parts of Barddhaman, Paschim Medinipur, Birbhum and Bankura district;
- (iii) Coastal areas comprising of S 24 Parganas district and small part of North 24 Parganas, Purba Medinipur and Howrah districts;
- (iv) Alluvial terrains falling in the remaining parts of the state.

In each of above four areas ground water regime behaves differently.

## **3.0 HYDROMETEOROLOGY**

The general climate of the state, except the Himalayan zone which lies in the extreme northern part, is tropical. The tropic of cancer passes across the middle of the districts of Nadia and Barddhaman and the northern part of the districts of Bankura and Purulia. The normal annual rainfall in the state varies from 1276 to 3608 mm. The Himalayan region in the northern parts of the state receives the maximum rainfall. The Actual rainfall of 2020 in different districts of West Bengal is presented below.

### Actual Rainfall distribution in West Bengal-2020

Sl. No.	District	Cumulative Rainfall in mm		
		Monsoon	Non monsoon	Total
1	Malda	1242.8	360.4	1603.2
2	Nadia	920.9	403.1	1324
3	Coochbehar	3480.3	665.8	4146.1
4	North 24 Parganas	1294.4	639.9	1934.3
5	Dakshin Dinajpur	1264.6	586.1	1850.7
6	Uttar Dinajpur	1581.8	405.1	1986.9
7	Bankura	1067.2	463.9	1531.1
8	Purulia	1058.9	383.2	1442.1
9	Jalpaiguri	4238.6	736.9	4975.5
10	Burdwan	1027	452.8	1479.8
11	Murshidabad	1135.8	324.2	1460
12	Birbhum	1152.3	358.5	1510.8
13	Howrah	942.3	496.5	1438.8
14	Darjeeling	3230.1	569	3799.1
15	Hooghly	962.4	479.3	1441.7
16	Purba Medinipur	1004.1	813.7	1817.8
17	Paschim Medinipur	960.9	586.7	1547.6
18	Kolkata	1308.9	649.1	1958
19	South 24 Parganas	1150.4	535.4	1685.8

#### 4.0 GEOLOGY:

The state of West Bengal is covered by diverse rock types ranging from the Archaean metamorphites to the Quaternary unconsolidated sediments (Plate-10). Approximately two - third area of the State is covered by alluvial and deltaic deposits of Sub – Recent to Recent time and the remaining part abounds in a wide variety of hard rocks.

The State is divided into three distinct physiographic units, which are as follows.

- (i) Extra – peninsular region of the north,
- (ii) Peninsular mass of the south – west,
- (iii) Alluvial and deltaic plains of the south and east.

#### 5.0 HYDROGEOLOGY

There are two broad hydrogeological units e.g. **Fissured formation and Porous Formation.**

##### a) Fissured formation :

Proterozoic gneisses and schists, younger Gondwanas Super group and Siwalik rocks of Extra-Peninsular region in Darjeeling and Jalpaiguri districts to the north and Archaean to Proterozoic gneisses and schists in Peninsular region occurring in western part of Bardhaman, Bankura, Birbhum and northern part of Medinipur and whole of Purulia districts and younger Gondwana and Purana sediments (Susunia quartzite of Bankura) deposited in the intra-cratonic basins in the shield area and Rajmahal basaltic tracts in the eastern fringe area of the shield fall under fissured formation.

Occurrence and movement of ground water in this formation is controlled by the following zones.

- i) Weathered Mantle
- ii) Saprolitic Zone
- iii) Zone of secondary porosity

**b) Porous Formation :**

Nearly two-third of the state is occupied by a thick pile of unconsolidated sediments laid down by the Ganga-Brahmaputra river system, the thickness of which increases from marginal platform area in the west towards the east and southeast in the central and southern part of the basin following the configuration of Bengal Basin. These unconsolidated sediments are made up of succession of clay, silt, sand and gravel of Quaternary age overlying Mio-Pliocene sediments. The Quaternary sediments are made up of Recent and Older Alluvium. Occurrence and movement of ground water in this hydrogeological unit is controlled by primary porosities of the sediments.

**6.0 CRITERIA FOR FIXING GWMS**

Ground water monitoring is mainly done in the water table aquifer to categorize an area having excess or less withdrawal. This is useful to estimate the dynamic ground water resources and to demarcate the water logging as well as drought prone areas. To understand the correct water table aquifer in an area geomorphology and geology play a vital role. Therefore, for fixing GWMS in a district/block one has to consider the following factors:

**FIXING GWMW BASED ON GEOMORPHOLOGY**

At least one GWMW in each geomorphic unit of more than 50 sq. km extent has been fixed.

**FIXING GWMW BASED ON GEOLOGY**

Minimum one GWMW in each geologic unit having more than 150 sq. km. in hard rock areas and 200 sq. km. in soft rock areas have been fixed.

## **FIXING GWMW BASED ON STATUS OF GROUND WATER RESOURCE**

<b>Category</b>	<b>Optimum no. of GWMW</b>
SAFE	2
SEMI CRITICAL	3
CRITICAL	4
OVER EXPLOITED	4

The process to fill up the data gap as per the requirement of criteria by establishing new GWMW in different geological/ geomorphological setup block-wise is done wherever required.

### **7.0 SCENARIO OF DEPTH TO WATER LEVELS IN WEST BENGAL DURING THE GROUND WATER YEAR 2020 – 2021**

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 West Bengal 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 2020-21 has been studied based upon the observations made on the permanent Ground Water Monitoring Wells and described in the following paragraphs.

During 2020 - 2021 the existing 1500 National Hydrograph stations were monitored four times and behaviour of the ground water regime during the year was inferred comparing the same with the decade mean, corresponding previous year data and pre-monsoon water level data. The data from GWMS for the year 2020-21 was analysed and for every set of measurements, write up and maps were prepared and are presented here under various paragraphs. The analysis of water level data were done based on following criteria:

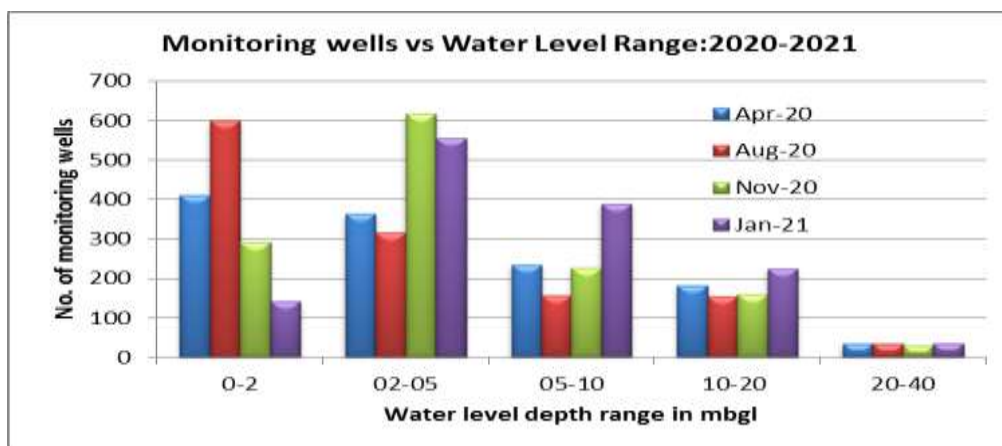
- i) Four measurements of depth to water level give an overall idea regarding the ground water level in the state during the year of measurement.



- ii) The fluctuation in comparison to the same month in the previous year gives an idea about the change in the ground water level for a particular period with respect to that of the level during the same month in the previous year. This gives an idea about the change in the amount of draft and rainfall between the two years.
- iii) The water level fluctuation during the pre-monsoon period in comparison to previous year gives an idea about the seasonal fluctuation, which ultimately reflects the change in dynamic ground water resources.
- iv) The water level fluctuation during a particular month of measurement with reference to the decadal mean for the same months gives an idea of the behaviour of the ground water level on long-term basis.

### 7.1 DEPTH TO WATER LEVEL

The graphical representation on analysis of number of monitoring wells in the different categories of the water levels for all four monitoring periods of year 2020-21 reveals that water level depth up to 5 meters varies considerably over all monitoring periods, which shows that dynamic changes in ground water levels are conspicuously deciphered in shallow water zones. For depth range of 5 to 10m and 10 to 20 m few locations were recoded at this range, Whereas numbers of monitoring station showing water level 20- 40 m remain almost same in all four-monitoring period, indicate stressed water conditions in deep aquifers of West Bengal, which is considerable very low with respect to other water level ranges.



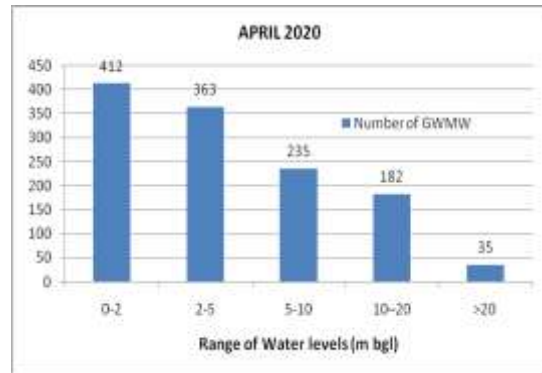
#### APRIL 2020

Depth to water level during April, 2020 was measured from 1227 ground water monitoring wells out of 1500 existing wells. Details given in Annexure I.

Five groups were made based on the range of water levels, viz. 0-2, 2-5, 5-10, 10-20 and > 20 m bgl.

The number of ground water monitoring wells (GWMW) fall under different ranges are given under:

Range of Water levels (m bgl)	Number of GWMW	%
0-2	412	33.6
2-5	363	29.6
5-10	235	19.2
10-20	182	14.8
>20	35	2.9



Due to pandemic Covid-19 state was under total lockdown (March to May 2020) hence the measurement started late. Generally during pre-monsoon season, majority of the well shows water level between 5-10 m but in 2020 water level recorded between 0 - 2 (33.6%) followed by the 2-5 m (29.6%). 5 – 10 (19.2) and 10-20m (14.8%) ranges. In southern and central part of West Bengal, deeper water level is observed in hard-rock covered parts of Bardhaman and Birbhum district; within older alluvium covered areas of West Medinipur, Hugli, Murshidabad districts, Bhabar zone of Jalpaiguri and Barind Tract of Malda districts. Deepest water level has been recorded at Bahari, Bolpur-Sriniketan (29.65 mbgl) in Birbhum district. Significantly, agriculture dominated districts show dominance in deeper water level e.g. Hugli, Purba & Paschim Medinipur, Birbhum, Bardhaman, Murshidabad, North and South 24 Parganas districts.

In the the state, shallow aquifers depth to water level ranges mainly between 0 – 2 & 2 – 5 m bgl. On the other hand, confined aquifers of Haora, East Medinipur, S 24 Parganas generally shows a deeper water level of the order of 5-10 m bgl and 10-20m.

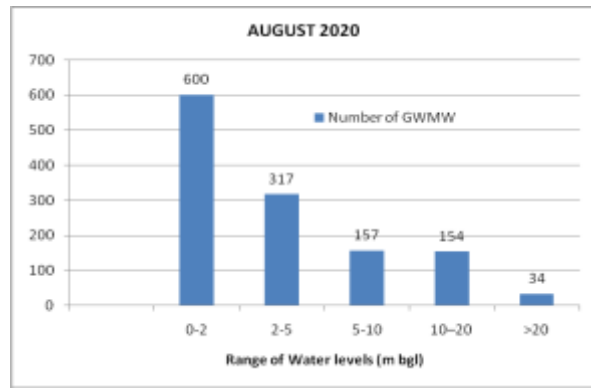
The district-wise status of distribution of network hydrograph stations with different ranges of depth to water level is given in **Table - 3**. Depth to water level map is given in **Plate-III**.

### AUGUST 2020

Depth to water level during August, 2020 was measured from 1262 ground water monitoring wells out of 1500 existing wells.

Five groups were made based on the range of water levels, viz. 0-2, 2-5, 5-10, 10-20 and > 20 m bgl. The number of ground water monitoring wells (GWMW) fall under different ranges are given under:

Range of Water levels(m bgl)	Number of GWMW	%
0-2	600	47.5
2-5	317	25.1
5-10	157	12.4
10-20	154	12.2
>20	34	2.7



Being monsoon season, most of the well shows water level between 0-2m (47.5%) or 2-5m (25.1%). In central part of West Bengal, deeper water level is observed in hard-rock covered parts of Birbhum, Bardhaman and West Medinipur districts; within *Bhabar zone* of Jalpaiguri district; older alluvium covered areas of Hugli, Murshidabad, North 24 Parganas districts. Deepest water level has been recorded at Bahari (28.99 m bgl) in Birbhum District. Confined aquifers of Haora, East Medinipur, S 24 Parganas generally show a deeper water level of the order of 5-10 m bgl and occasionally 10-20m.

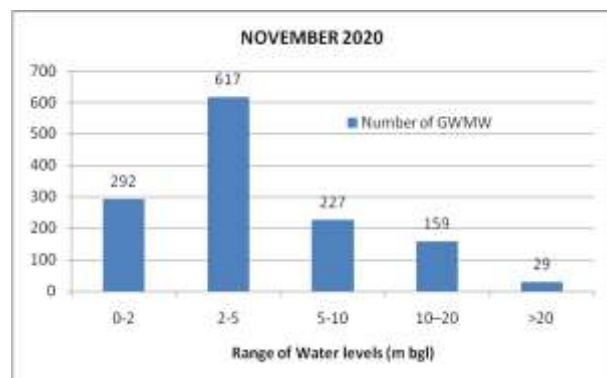
The district-wise status of distribution of network hydrograph stations with different ranges of depth to water level is given in **Table - 4**. Depth to water level map is given in **Plate-IV**.

#### NOVEMBER 2020

Depth to water level during November, 2020 was measured from 1324 ground water monitoring wells out of 1500 existing wells.

Five groups were made based on the range of water levels, viz. 0-2, 2-5, 5-10, 10-20 and > 20 m bgl. The number of ground water monitoring wells (GWMW) fall under different ranges are given under:

Range of Water levels(m bgl)	Number of GWMW	%
0-2	292	22.1
2-5	617	46.6
5-10	227	17.1
10-20	159	12
>20	29	2.2



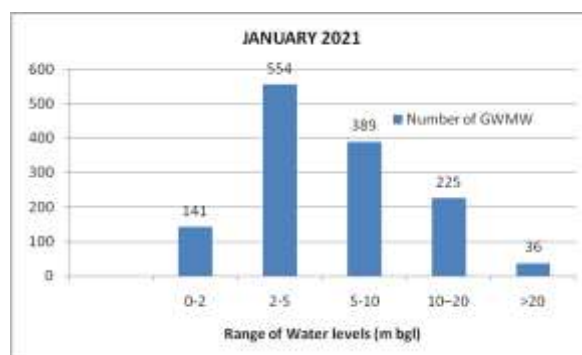
Being post-monsoon season, majority of the well shows water level between 2-5 m (46.6%), followed by the 0-2 m (22.1%) , 5-10 m (17.1%) 10-20 m (12.1%) ranges. In the central part of West OBengal, deeper water level is observed in hard-rock covered parts of Barddhaman, Birbhum and West Medinipur district; within *Bhabar zone* of Jalpaiguri district and Barin tract of Malda district; older alluvium covered areas of Hugli, Murshidabad districts. Deepest water level has been recorded at Kasba, Galsi I (29.38 m bgl) in Purba Barddhaman District. Confined aquifers of Haora, East Medinipur, S 24 Parganas generally show a deeper water level of the order of 5-10 m bgl and occasionally 10-20m.

The district-wise status of distribution of network hydrograph stations with different ranges of depth to water level is given in **Table - 5**. Depth to water level map is given in **Plate-V**.

### JANUARY, 2021

Depth to water level during January 2021 was measured from 1345 ground water monitoring wells out of 1500 existing wells. Five groups were made based on the range of water levels, viz. 0-2, 2-5, 5-10, 10-20 and > 20 m bgl. The number of ground water monitoring wells (GWMW) fall under different ranges are given under:

Range of Water levels (m bgl)	Number of GWMW	%
0-2	141	10.5
2-5	554	41.2
5-10	389	28.9
10-20	225	16.7
>20	36	2.7



In northern parts of River Ganga comprising Malda, Uttar & Dakshin Dinajpur, Darjeeling, Kochbehar, Jalpaiguri districts, depth to water ranges mainly between 2-5 and 5-10 m bgl, though at few locations in 'Barind' tract, depth to water level is deeper (10-20 m, >20m) which is attributed to geomorphological condition in the area.

In the southern part of the state, the depth to water level ranges mainly between 2-5 and 5-10 m bgl. A deeper water level of the order of 10-20 m bgl is recorded in all south Bengal districts with significant numbers in older alluvium covering areas of East Medinipur, Bardhaman, Birbhum, West

Medinipur, Murshidabad and Hugli districts. Deepest water level has been recorded at Bhagwanpur Spz, Bhagwanpur I (35.24 m bgl) in Purba Medinipur District.

The district-wise status of distribution of network hydrograph stations with different ranges of depth to water level is given in **Table - 6**. Depth to water level map is given in **Plate-VI**.

### **8.0 FLUCTUATIONS SCENARIO IN WEST BENGAL DURING THE GROUND WATER YEAR 2020 – 2021**

The fluctuation in comparison to the same month in the previous year gives an idea about the change in the ground water level for a particular period with respect to that of the level during the same month in the previous year. This gives an idea about the change in the amount of draft and rainfall between the two years. The annual fluctuation in water levels for the periods (1) April 2019 and April 2020, (2) August 2019 and August 2020, (3) November 2019 and November 2020 and (4) January 2020 and January 2021 have been analysed to study the net status of ground water conditions during the previous and current year.

The water level fluctuation during the pre-monsoon period in comparison to previous year gives an idea about the seasonal fluctuation, which ultimately reflects the change in dynamic ground water resources. An attempt has been made to compare the pre-monsoon water levels of April, 2020 with water levels of August 2020 and November 2020 and January 2021 to delineate the impact of rainfall as well as ground water development on ground water regime in the state during the above period.

The water levels of last 10 years mean (decadal) of the four measurements has been compared with the corresponding months of current measurements to evaluate the decadal fluctuation scenario and the behaviour of the ground water level on long-term basis of the state. For this, the mean water levels of April, August, November and January have been computed for all the available Ground Water Monitoring Wells for the last 10 years and compared with the water levels of the same month of the current measurement.

#### **WATER LEVEL FLUCTUATION BETWEEN APRIL 2019 AND APRIL 2020**

Annual fluctuation in water level between April, 2019 and April, 2020 is mostly restricted within the range of 0-2 m. Out of 1074 analyzed wells, 155 wells are grouped under falling zone category and 919 wells are grouped under rising zone category. Of these, overall 54% of wells falls under 0-2 m category, which indicates that regional fluctuation of the state, is mainly restricted within 2 m. 2-4 m fall in water level is observed in 23 wells and >4 m fall in water level is observed in 15 wells. Which is mainly due to measurement done after lockdown because of pandemic was over. District-wise status of distribution of network hydrograph stations in different ranges of water level fluctuation is

presented in **Table-7**. Annual fluctuation in water level between April, 2019 and April, 2020 map is presented in **Plate – VII**

#### **WATER LEVEL FLUCTUATION BETWEEN APRIL 2020 AND AUGUST 2020**

Seasonal fluctuation in water level between April, 2020 and August, 2020 is dominated by rising pattern. Out of 1079 analyzed wells, 221 wells show falling trend and 858 wells are grouped under rising trend. Normal rainfall in present year resulted into rise in water level in all category dominated by 0 - 2 m (57.2 %) rising category, followed by 2 - 4 m (16.5 %) and > 4m (5.8%) rising category. Fall is mostly restricted within 0 - 2 m category (18.3 %) represented by 197 wells. Higher quantum of fall(>4m) is observed in 10 (0.9%) wells. Confined aquifers of Haora, East Medinipur, and S 24 Parganas rest areas shows a rise in water level of the order of 0-2 m. District-wise status of distribution of network hydrograph stations with different ranges of depth to water level is presented in **Table-8** map is presented in **Plate - VIII**.

#### **WATER LEVEL FLUCTUATION BETWEEN APRIL 2020 AND NOVEMBER 2020**

The seasonal fluctuation in water level between April 2020 and November 2020 indicates the change in water level from pre-monsoon measurement to post-monsoon measurement. The district-wise statement of distribution of network hydrograph stations in different ranges of water level fluctuation is presented in Table-9.

Seasonal fluctuation in water level between April, 2020 and November, 2020 is dominated by rising pattern. Out of 1106 analyzed wells, 506 wells show falling trend and 565 wells are grouped under rising trend. There is an overall rise as well as fall in water level through out the state. Rise in water level is dominated by 0 - 2 m (37.1 %) rising category, followed by 2 - 4 m (9.6%) and > 4m (4.4%) rising category. Fall is mostly restricted within 0 - 2 m category (38.9%) represented by 430 wells. Higher quantum of fall is observed in 22 (2 %) wells. Confined aquifers of Haora, S 24 Parganas also shows a rise in water level in the order of 0-2 m, 2-4m and in East Medinipur district shows rise in water level in the order of >4 m. A small patch of fall is recoded in S 24 Parganas district. Annual fluctuation in water level between April, 2020 and November, 2020 map is presented in **Plate – IX**

#### **WATER LEVEL FLUCTUATION BETWEEN APRIL 2020 AND JANUARY 2021**

The fluctuation in water level between April 2020 and January 2021 indicates the change in water level from pre-monsoon measurement to recession period of water level. Fluctuation in water level between April, 2020 and January, 2021 is mostly dominated by rise in water level. Out of 1099

analyzed wells, 789 wells are grouped under falling zone category and 310 wells are grouped under rising zone category. However fluctuation is mostly restricted within 2 m (68%). Significant fall 2-4 m and > 4 m has been observed in almost all districts . The district-wise frequency distribution of GWMS falling in different ranges of water level fluctuation is given in **Table-10** and fluctuation in water level between April 2020 and January 2021 map is presented in **Plate – X**

#### **WATER LEVEL FLUCTUATION BETWEEN AUGUST 2019 AND AUGUST 2020**

The fluctuation in water level between August 2019 and August 2020 indicates net status of ground water conditions during the previous and current year monsoon period. Annual fluctuation in water level between August, 2019 and August, 2020 is mostly restricted within the range of 0-2 m. Out of 1137 analyzed wells, 204 wells are grouped under falling zone category and 933 wells are grouped under rising zone category. Of these, 13.6% wells falls under 0-2m falling category, and 47.3% wells falls under 0-2m rising category which indicates that regional fluctuation of the state is mainly restricted within 2 m rising category. 2-4 m rise in water level is observed in 271(23.8%) wells. More than 4m fall has been observed in sporadic patches in different districts.

The district-wise frequency distribution of GWMS falling in different ranges of water level fluctuation is given in **Table-11**. Annual fluctuation in water level between August, 2019 and August, 2020 map is presented in **Plate – XI**

#### **WATER LEVEL FLUCTUATION BETWEEN NOVEMBER 2019 AND NOVEMBER 2020**

The Annual fluctuation in water level between November 2019 and November 2020 indicates the net status of ground water conditions during the previous and current post-monsoon year and the same is presented in **Plate-XII**. Fluctuation in water level have been analysed for 1190 wells. The district-wise frequency distribution of GWMS falling in different ranges of water level fluctuation is given in **Table-12**.

Annual fluctuation in water level between November, 2019 and November, 2020 is mostly restricted within the range of 0-2 m. Out of 1190 analyzed wells, 497 wells are grouped under falling zone category and 693 wells are grouped under rising zone category. 0-2m fall is observed in 286 wells (23.6%), 2-4 m fall in water level is observed in 33.6% wells and >4 m fall in water level is observed in 4.8%wells. 0-2m rise is observed in 570 wells (47.9%), 2-4 m rise in water level is observed in 77 wells and >4 m rise in water level is observed in 46 wells.

#### **WATER LEVEL FLUCTUATION BETWEEN JANUARY 2020 AND JANUARY 2021**

The annual fluctuation in water level between January 2020 and January 2021 indicates the net status of ground water condition during the previous and current measurement during recession period. Annual fluctuation in water level between January, 2020 and January, 2021 is mostly restricted within the range of 0-2 m. Out of 1209 analyzed wells, 478 wells are grouped under 0-2 m falling zone category and 482 wells are grouped under 0-2 m rising zone category. This indicates that the regional fluctuation of the state is mainly restricted within 2 m (78 %). Significantly more than 4 m rise is observed in 46 wells and fall in 56 wells. The district-wise frequency distribution of GWMS falling in different ranges of water level fluctuation is given in **Table-13**

Annual fluctuation in water level between January, 2020 and January, 2021 map is presented in **Plate – XIII**

#### **WATER LEVEL FLUCTUATION BETWEEN DECADAL MEAN AND APRIL 2020**

The decadal fluctuation in water level by comparing the water level data for April Mean (2008-2019) with the depth to water level data of April 2020 indicates the long-term status of ground water condition during the previous and current measurement during Pre-monsoon period. In the State, out of 793 analyzed wells, 703 wells have shown rise where as 90 wells have shown fall. The rise and fall of water level is mostly restricted within 0-2 m ( 280 wells (35.3%) have shown rise where as 53 wells (6.7%) have shown fall. Of the remaining wells, 33.7% wells shows 2 – 4 m rise and 19.7% wells shows >4 m rise, 3.4% wells shows 2 – 4 m fall and 1.3% wells shows >4m fall. In general there is rise through out the State. Impact of super cyclon Amphan (May 2020) may also affected the water level behavior.

Abnormal rise or fall in water level is observed only in few localized cases. The central and southern part of the state shows mainly falls in water level.

Water level fluctuation has been analyzed statistically by comparing the decadal mean water level data (April, 2008 - April, 2019) with depth to water level data of April, 2020 has been plotted and the map is presented in **Plate-XIV**. The district-wise frequency distribution of GWMS falling in different ranges of water level fluctuation is given in Table-14.

#### **WATER LEVEL FLUCTUATION BETWEEN DECADAL MEAN AND AUGUST 2020**

The decadal fluctuation in water level by comparing the water level data for August Mean (2008-2019) with the depth to water level data of August 2020 indicates the long-term status of ground water condition during the previous and current measurement during monsoon period.



Water level fluctuation has been analyzed by comparing the decadal mean water level data (August, 2008 – 2019) with depth to water level data of August, 2020. In the State, out of 878 analyzed wells, 661 wells have shown rise where as 217 wells have shown fall. The rise and fall of water level is mostly restricted within 0-2 m (64.2 % show rise and 17.3 % show fall). The entire state in general show the rising category due to normal to heavy rainfall.

Water level fluctuation has been analyzed statistically by comparing the decadal mean water level data (Aug, 2008 - Aug, 2019) with depth to water level data of August, 2020 and the map is presented in **Plate-XV**. The district-wise frequency distribution of GWMS falling in different ranges of water level fluctuation is given in Table-15.

#### **WATER LEVEL FLUCTUATION BETWEEN DECADAL MEAN AND NOVEMBER 2020**

The decadal fluctuation in water level by comparing the water level data for Decadal Mean (2008-2019) with the depth to water level data of November 2020 indicates the long-term status of ground water condition during the previous and current measurement during post-monsoon period.

Water level fluctuation has been analyzed by comparing the decadal mean water level data (November, 2008 - November, 2019) with depth to water level data of November, 2020. In the State, out of 958 analyzed wells, 613 wells have shown rise where as 345 wells have shown fall. The rise and fall of water level is mostly restricted within 0-2 m (55.5 % show rise and 28.5 % show fall). Remaining wells, 6.3 % wells shows 2 - 4 m rise and 2.2% wells show >4 m rise, 4.6 % wells shows 2 – 4 m fall and 2.9 % wells shows >4m fall. It indicates the was a rising water level trend with respect to post monsoon period. The district-wise frequency distribution of GWMS falling in different ranges of water level fluctuation is given in Table-16. Water level fluctuation map has been prepared comparing the decadal mean water level data (Nov, 2008 - Nov, 2019) with depth to water level data of November, 2020 and the map is presented in **Plate-XVI**.

#### **WATER LEVEL FLUCTUATION BETWEEN DECADAL MEAN AND JANUARY 2021**

Water level fluctuation has been analyzed by comparing the decadal mean water level data (January, 2011 - January, 2020) with depth to water level data of January, 2021. In the State, out of 970 analyzed wells, 563 have shown rise where as 407 wells have shown fall. The rise in of water level is mostly restricted within 0-2 m (50.6% wells) with 2-4 m rise in 5.1% wells and >4 m rise in 2.4% wells. In fall of water level scenario, 33.8% wells shows 0 – 2 m l and 5.7% wells shows 2-4 m , and 2.5% wells shows >4 m. This may also to be pointed out that the major fall in water level is mostly restricted in Southern and central part of the State.

The district-wise frequency distribution of GWMS falling in different ranges of water level fluctuation is given in **Table-17**. The decadal fluctuation in water level map by comparing the water level data for January Mean (2011-2020) with the depth to water level data of January 2021, is presented in **Plate-XVII**.

## **9.0 SCENARIO OF WATER LEVELS IN KOLKATA CITY DURING THE GROUND WATER YEAR 2020 – 2021**

Kolkata city area is underlain by Quaternary sediments consisting of silt, clay, various grades of sand, gravel and occasional pebbles, deposited in deltaic environment by Ganga- Bhagirathi river system. Here ground water occurs under confined condition and the piezometric level is significantly deep, ranging between 0.55 & 20.75 mbgl during pre-monsoon (June-2020) period and between 1.32 & 19.55 mbgl during post-monsoon period in major part of the city. This is due to huge withdrawal of groundwater for domestic and industrial uses.

Hydrographs of KMC area are given in **Plate-XXII**. Depth-to-water level categorization of pre and post monsoon is presented in **Table-18**. Depth to water level is depicted in **Annexure II**

## 10.0 HYDROCHEMISTRY

### GROUND WATER QUALITY SCENARIO IN WEST BENGAL (2020-21)

Geochemistry of ground water is mainly dependent upon several factors like, soil or rock through which rain water percolates, depositional history of the rock types, composition of the rock types, climate of the area, role of microorganisms, topography of the area and the role of human activities etc.

To establish the ground water chemistry of the state, samples from different corners of West Bengal have been collected during the month of April/May (2020-21), which is generally a dry period, leading to maximum concentration of elements in the water samples. Representative samples, thus collected, have been subjected to chemical analysis in the Regional Chemical Laboratory, CGWB, ER, Kolkata (**NABL Accredited, Certificate No. TC-8390**). Analytical result thus obtained has been studied critically and interpretation made accordingly (**Annexure-III**).

**Table 19: Chemical qualities of ground water samples of West Bengal (2020-21) showing the maximum and minimum values vis-à-vis drinking water standards (IS 10500:2012)**

Constituents	West Bengal		IS 10500:2012	
	Min	Max	Acceptable Limit	Permissible Limit
pH	7.02	9.21	6.5-8.5	No Relaxation
EC ( $\mu\text{s/cm}$ ) 25°C	48	4782	-	-
Total Hardness (as $\text{CaCO}_3$ )	15	1125	200	600
Calcium(as Ca)	2	224	75	200
Magnesium (as Mg)	1	220	30	100
Sodium	1	739	-	-
Potassium	0.1	217	-	-
Carbonate alkalinity (as $\text{CaCO}_3$ )	Trace	120	-	-
Bicarbonate alkalinity (as $\text{CaCO}_3$ )	12	744	-	-
Total alkalinity (as $\text{CaCO}_3$ )	10	700	200	600
Chloride	2	1212	250	1000
Nitrate	Trace	353	45	No Relaxation
Sulphate	Trace	342	200	400
Fluoride	Trace	5.60	1	1.5
TDS	27.357	3061	500	2000
Iron	Trace	11.99	1	No Relaxation

**NOTE** — It is recommended that the Desirable/Acceptable limit is to be implemented. Values in excess of those mentioned under 'Desirable/Acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'Permissible Limit' in the absence of alternate source' in col 4, above which the sources will have to be rejected.

#### Hydrogen Ion Concentration (pH)

In West Bengal, the pH content of ground water varies from 7.02 (Rajnagar, Rajnagar Block, Birbhum District) to 9.20 (Lataguri, Mal Block, Jalpaiguri District), which indicates that ground water

is almost neutral to alkaline in nature. Few locations in Bankura, Darjeeling, Jalpaiguri, Coochbehar, North and South 24 Parganas have pH values exceeded the permissible limit of 8.5.

**Table 20: Drinking Water Suitability and overview of the Physicochemical Constituents in West Bengal(2020-21)**

Constituents		Acceptable Limit	Permissible Limit	Total No. of Sample Analyzed	No. of Samples beyond Acceptable Limit	Samples beyond Acceptable Limit (%)	No. of Samples beyond Permissible Limit	Samples beyond Permissible Limit (%)
pH	mg/L (ppm)	6.5-8.5	No Relaxation	771	19	2.14	-	-
Total Hardness (as CaCO <sub>3</sub> )		200	600		408	46.00	22	2.48
Calcium (as Ca)		75	200		54	6.09	1	0.11
Magnesium (as Mg)		30	100		369	41.60	17	1.92
Total alkalinity as CaCO <sub>3</sub>		200	600		325	36.64	4	0.45
Chloride		250	1000		62	6.99	2	0.23
Nitrate		45	No Relaxation		60	6.76	-	-
Sulphate		200	400		4	0.45	0	0.00
Fluoride		1	2		68	7.67	28	3.16
TDS		500	2000		235	26.49	5	0.56
Iron		1	No Relaxation		201	22.66	-	-

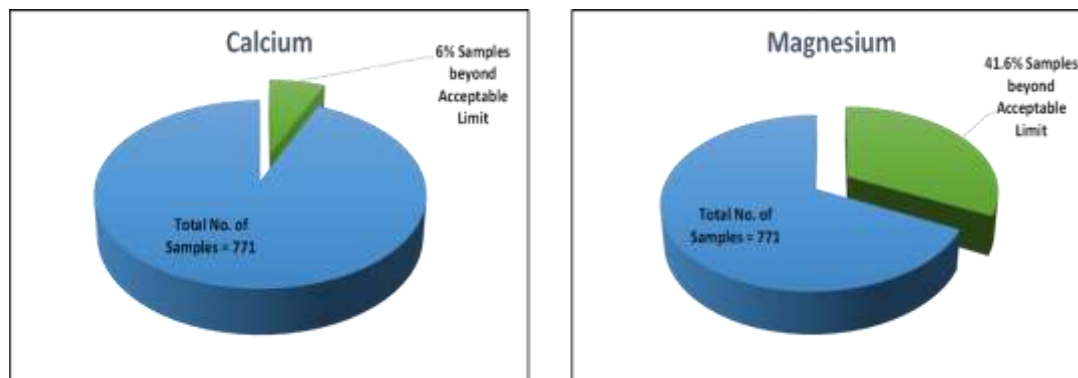
**NOTE** — It is recommended that the Desirable/Acceptable limit is to be implemented. Values in excess of those mentioned under 'Desirable/Acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'Permissible Limit' in the absence of alternate source' in col 4, above which the sources will have to be rejected.

### Distribution of Major Cations

#### Calcium, Magnesium

The alkaline earth metals are two important Cations in ground water which have been analyzed. Calcium and Magnesium concentration in ground water varies from 2 to 224 mg/L and 1 to 220.2 mg/L respectively. 6% and 41.6% samples exceeded the Acceptable limit for Calcium and Magnesium respectively. The maximum concentration for Calcium was detected in Halisahar,

Barrackpur I Block of North 24 Parganas district and in Polash Khola of Kashipur Block of Purulia District maximum concentration for Magnesium was detected.



### **Distribution of Calcium and Magnesium in the Ground Water of West Bengal (2020-21) Sodium, Potassium**

The concentration of Na ranges from 1.17 mg/L at Jateswar, Falakat Block of Jalpaiguri District to 738.5 mg/L at Hatuganj, Kulpi I block of South 24 Parganas District and of K ranged from 0.1 to 216 mg/L). (Sonamukhi, Sonamukhi block, Bankura District

### **Distribution of Major Anions**

Chloride, Bi-carbonate and Carbonate are the major anions present in ground water of West Bengal.

### **Chloride**

Chloride content of ground water in West Bengal varies from 1.6 to 1212.39 mg/L at Hatuganj, Kulpi I block of South 24 Parganas. Ground water with very low chloride and sodium contents points towards remarkably fresh nature which is almost comparable with rain water. Ground water which is being replenished every year directly from rain water is not enriched with high chloride content.

As per BIS (2012), the Acceptable and Permissible Limits of Chloride in drinking water are 250 mg/L and 1,000 mg/L respectively. Presence of high concentration of Chloride affects taste and may make water corrosive. Higher concentration of Chloride may be injurious to people suffering from heart or kidneys. In West Bengal, out of 771 samples, 62 locations (6.98%) were found to have Chloride content more than Desirable limit and 2 locations were exceeding the Permissible limit.

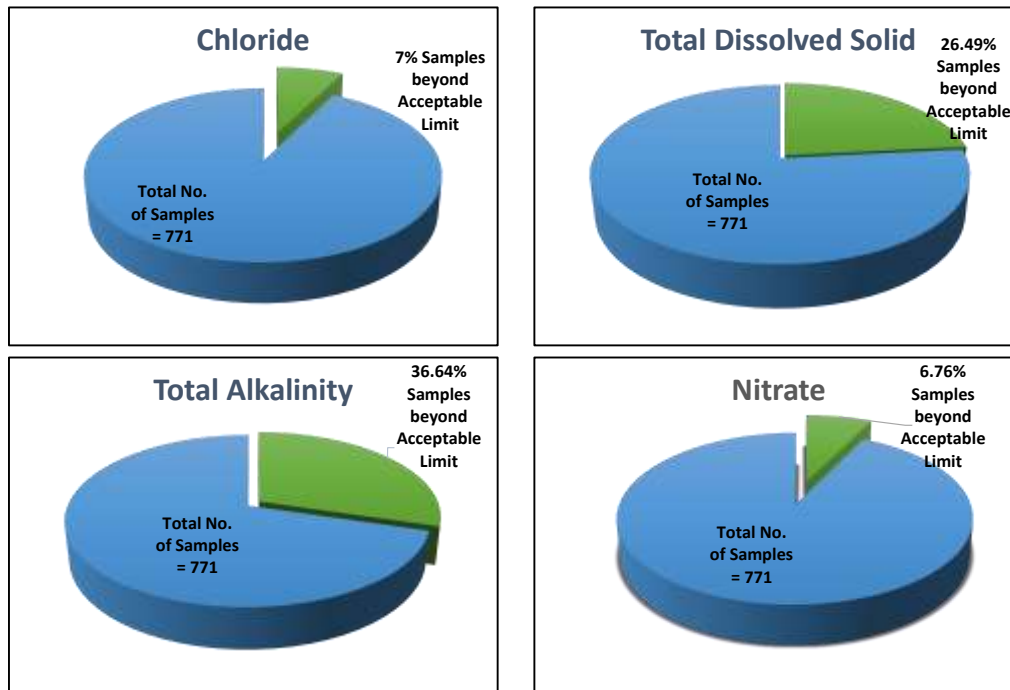
The districts containing chloride concentration more than Desirable limit reside mostly in the Southern part of the State and in coastal belt.

### **Bi-carbonate**

Bicarbonate concentrations of ground water increase towards the valley possibly due to absorption of carbon dioxide from atmosphere. The direction of enrichment of bicarbonate ions coincides, by and large, with the direction of ground water flow. The value of Bi-carbonate alkalinity

in West Bengal ranges from 12.2 to 744.2 mg/L (Rajapur-Uttarpara, Hasnabad Block of North 24 Parganas District).

In ground water of West Bengal, concentration of bicarbonate ions higher than 500 mg/L has been noticed around North and South 24 Parganas, Purulia, Bankura, Murshidabad, Howrah, Hooghly, Kolkata, Bardhaman and Midnapur Districts. Such enrichment may probably be attributed to the dissolution of carbon dioxide from the soil air and interaction with soil minerals, accentuated by microbial action, Base Exchange and other associated interactions.



### Distribution of Chloride, TDS, Total Alkalinity and Nitrate in the Ground Water of West Bengal (2020-21)

#### Nitrate

As per BIS (2012), the Permissible Limit of Nitrate in drinking water is 45 mg/L. In West Bengal, Nitrate content ranged between Trace to as high as 352.99 mg/L. The maximum concentration was found in Kenjakura, Bankura – I block of Bankura District. Out of 771 Nos. of analyzed samples, 60 samples (6.76%) of samples were found to have Nitrate concentration more than permissible limit (**Plate XVIII**). Maximum affected districts due to Nitrate hazards were found in Purulia, Bankura, Jalpaiguri and Coochbehar.

There are several negative health effects of nitrates in drinking water. High levels of nitrate can pose a risk to babies less than six months who are formula fed and the unborn foetus of pregnant women. Adults with specific rare metabolic disorders may also be at risk. Soil nitrogen and animal waste were the sources of nitrate in

groundwater under shrubland and grassland. Seepage of sewage wastes and nitrogen fertilizer are the major sources of nitrate contamination in groundwater.

### Electrical Conductivity

The wide range of Electrical Conductivity as well as TDS values indicates wide variation in dissolved constituents in groundwater of West Bengal. The minimum conductivity value of  $48 \mu\text{S cm}^{-1}$  at  $25^\circ\text{C}$  has been observed at Karbola, Dhupguri block of Jalpaiguri District whereas maximum conductivity value of  $4782 \mu\text{S cm}^{-1}$  at  $25^\circ\text{C}$  has been observed at Hatuganj, Kulpi I block of South 24 Parganas District.

As per the salinity hazard classes twenty one (21) of the analyzed sample were found unsuitable (i.e.  $\text{EC} > 2250 \mu\text{S cm}^{-1}$ ). 26.49% of the analyzed sample (Total 235 locations) showed TDS values ranged higher than Desirable Limit of 500 mg/L for drinking purpose (BIS: 2012).

High concentration of TDS can cause water to become corrosive, salty or develop a brackish taste. In a study conducted by the World Health Organization (WHO), the palatability (acceptable taste) of drinking water has been rated by panels of tasters in relation to its TDS level as follows:

**Table21: Palatability (acceptable taste) of drinking water in relation to its TDS level –**

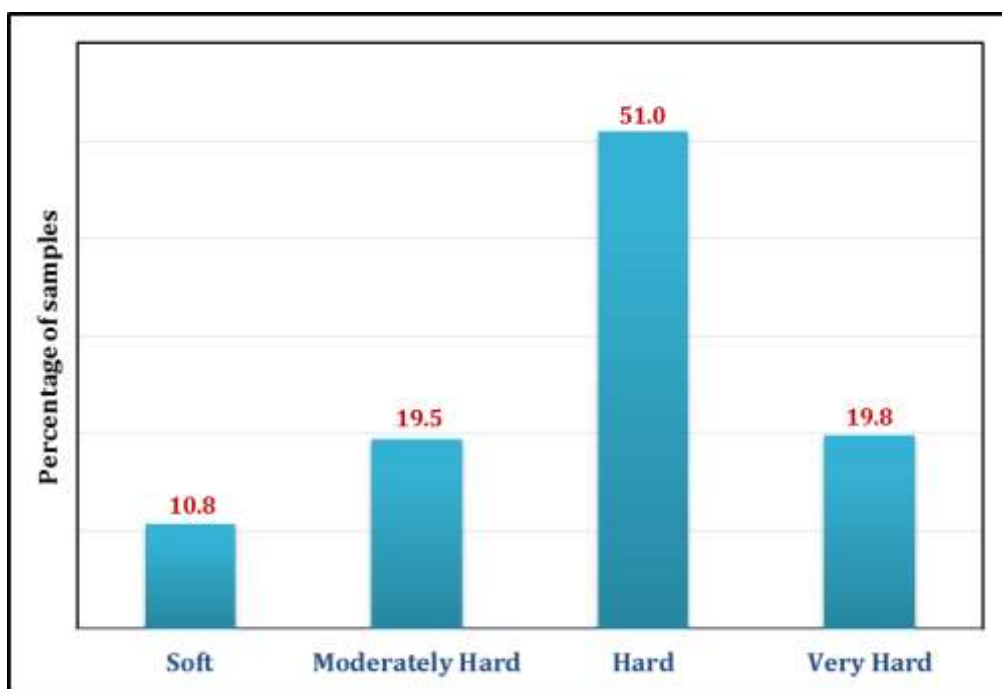
TDS Level (mg/L)	Rating
Less than 300	Excellent
300-600	Good
600-900	Fair
900-1200	Poor
Above 1200	Unacceptable

In ground water of West Bengal, concentration of TDS higher than the Desirable Limit has been noticed around North and South 24 Parganas, Purulia, Bankura, Murshidabad, Howrah, Hooghly, Kolkata, Bardhaman, Nadia and Midnapur Districts.

### Hardness of Ground Water

Calcium and Magnesium, Carbonate and Bicarbonate are the important constituents that give a measure to hardness of ground water. The hardness (temporary hardness) as  $\text{CaCO}_3$  in the ground water of West Bengal ranges from 15 to 1125 mg/L. The permanent hardness (non carbonate hardness) which is caused by those amounts of Calcium and Magnesium that normally combines with sulphate and chloride ions.

The quality of groundwater in terms of Total Hardness as CaCO<sub>3</sub> has been found as hard to very hard (51 % of total analyzed samples found as Hard and 19.8% of total analyzed samples found as Very Hard). The detail Distribution is as follows –



**Suitability of groundwater of West Bengal based on Hardness (2020-21)**

As per BIS (2012), the Permissible limit of Hardness in drinking water is 600 mg/l. Out of 771 Nos. of analyzed samples 408 Nos of samples (46%) were found to have Hardness more than the Acceptable Limit and 22 Locations (2.48%) were found to exceed the Permissible Limit.

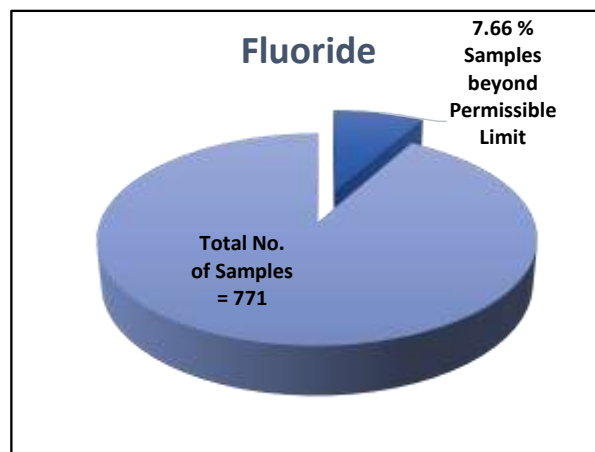
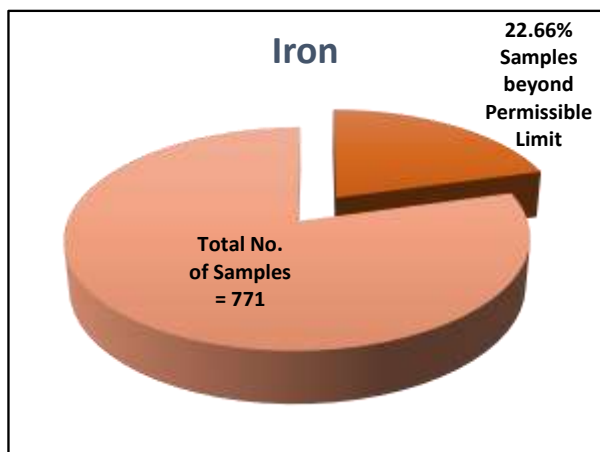
**Table 22: Hardness Classification of groundwater of West Bengal (2020-21)**

Water Class	TH as CaCO <sub>3</sub> in mg /L	No. of Samples
Soft	<75	83
Moderately Hard	75–150	150
Hard	150–300	393
Very Hard	>300	153

### Iron

As per BIS (2012), the Permissible Limit of Iron in drinking water is 1.0 mg/L. In West Bengal, Iron content ranged between Trace to as high as 11.99 mg/L. The maximum Concentration was found in Gopiballavpur, Gopiballavpur I block of Paschim Medinipur District. Out of 771 Nos. of analyzed samples, 22.66% of samples were found to have Fe concentration more than permissible limit (**Plate XX**).





**Distribution of Iron and Fluoride in the Ground Water of West Bengal (2020-21)**

### Fluoride

BIS has recommended an upper desirable limit of 1.0 mg/L of F as desirable concentration of fluoride in drinking water, which can be extended to 1.5 mg/L of F in case no alternative source of water is available.

Water having fluoride concentration of more than 1.5 mg/L are not suitable for drinking purposes. Fluoride content in the analyzed samples of Ground Water of West Bengal was found to be ranged from Trace to 5.61 mg/L. In the districts of Uttar Dinajpur, Nadia, Birbhum, Bankura, Birbhum, Bardhaman Fluoride concentration were found to have more than permissible limit.

### Conclusion

The reflections from the overall survey carried out in West Bengal revealed that the water quality of West Bengal is questionable particularly in respect to Iron Concentration. Almost all of the districts depicted higher concentration of Iron exceeding the permissible limit of 1.0 mg/L with alarmingly high concentrations of Iron. Along with Iron, the districts of Uttar Dinajpur, Nadia, Birbhum, Bankura, Birbhum, Bardhaman concentration were found to have Fluoride Concentration more than Permissible limit. Nitrate contamination was also spotted in some districts like Purulia, Bankura, Jalpaiguri and Cooch behar with maximum concentration of 352.99 mg/L in Kenjakura, Bankura District.

In ground water of West Bengal, concentration of TDS higher than the Desirable Limit (26.49% of the samples) has been noticed around North and South 24 Parganas, Purulia, Bankura, Murshidabad, Howrah, Hooghly, Kolkata, Bardhaman, Nadia and Midnapur Districts. In the Southern part of the State and in coastal belt, in some patches, the Chloride concentration was also found beyond the Desirable Limit as per BIS (2012).

Table - 1

## DISTRICT-WISE STATUS OF NHNS FOR THE STATE OF WEST BENGAL, EASTERN REGION FOR 2020 – 2021

Sl. No.	District	No. of NHNS as on March 2020						No. of NHNS abandoned during the year 2020-21						No. of NHNS established during the year 2020-21						No. of NHNS as on March 2021					
		DW	PZ	TW	PZ under HP		Total	DW	PZ	TW	PZ under HP		Total	DW	PZ	TW	PZ under HP		Total	DW	PZ	TW	PZ under HP		Total
					DWRL	Manual					DWRL	Manual					DWRL	Manual					DWRL	Manual	
1	Bankura	106	5	6	-	-	117	3		2	-	-	5		1		-	-	1	103	6	4	-	-	113
2	Birbhum	93	40	12	-	-	145		0	2	-	-	2	6	0		-	-	6	99	40	10	-	-	149
3	Dakshin Dinajpur	10	12	13	-	-	35		6	2	-	-	8	5			-	-	5	15	6	11	-	-	32
4	Darjeeling	40	1	3	-	-	44	0	0	2	-	-	2		0		-	-	0	40	1	1	-	-	42
5	East Medinipur	4	28	24	-	-	56		14	1	-	-	15	1			-	-	1	5	14	23	-	-	42
6	Howrah	21	10	4	-	-	35	0	8		-	-	8			6	-	-	6	21	2	10	-	-	33
7	Hugli	27	27	35	-	-	89			7	-	-	7	1	11		-	-	12	28	38	28	-	-	94
8	Alipurduar	71	1	3	-	-	75		0	2	-	-	2	2	0		-	-	2	24	0	0	-	-	24
9	Jalpaiguri																			49	1	1	-	-	51
10	Kochbehar	33	1	1	-	-	35		1	0	-	-	1	2		0	-	-	2	35	0	1	-	-	36
11	Malda	43	15	8	-	-	66	6	12		-	-	18			5	-	-	5	37	3	13	-	-	53
12	Murshidabad	20	41	19	-	-	80				-	-		1	14	22	-	-	37	21	55	41	-	-	117
13	N 24 Parganas	6	40	48	-	-	94		2		-	-	2			22	-	-	22	6	38	75	-	-	119
14	Nadia	14	40	52	-	-	106			10	-	-	10	3	18		-	-	21	17	58	42	-	-	117
15	Paschim Barddhaman	75	28	30	-	-	133		1		-	-	1	3		8	-	-	11	59	2	0	-	-	61
16	Purba Barddhaman																			19	25	38	-	-	82
17	Purulia	95	1	1	-	-	97		1		-	-	1	1		0	-	-	1	96	0	1	-	-	97
18	S 24 Parganas	11	13	92	-	-	116				-	-			1	8	-	-	9	11	14	100	-	-	125
19	Uttar Dinajpur	17	20	35	-	-	72	7	16	24	-	-	47				-	-		10	4	11	-	-	25
20	Jhargram	62	28	15	-	-	105		14		-	-	14	3		12	-	-	15	27	1	2	-	-	30
21	West Medinipur																			38	13	25	-	-	76
22	Kolkata*				-	-					-	-					-	-		3	12	16	-	-	31
	Total	748	351	401	-	-	1500	16	75	52	-	-	143	28	45	83	-	-	156	763	333	453	-	-	1549

PZ : Piezometer

TW : Tube well/Bore Well/Hand pump

DW : Dug Well

\* monthly measurement

Table - 2

**DISTRICT-WISE NUMBER OF GMMW MONITORED FOR THE STATE OF WEST BENGAL FOR 2020-2021**

Sl. No.	Name of the district	No. of GMMW monitored during April 2020				No. of GMMW monitored during August 2020				No. of GMMW monitored during November 2020				No. of GMMW monitored during January 2021			
		DW	PZ	TW	Total	DW	PZ	TW	Total	DW	PZ	TW	Total	DW	PZ	TW	Total
1	Bankura	99	4	3	106	107	4	3	114	104	3	3	110	96	4	3	103
2	Bardhaman(E&W)	76	26	38	140	73	21	32	126	75	24	37	136	77	23	35	135
3	Birbhum	91	32	5	128	91	6	31	128	84	30	8	122	96	33	10	139
4	Dakshin Dinajpur	15	1	7	23	10	1	12	23	13	2	9	24	11	3	11	25
5	Darjeeling	37	1	1	39	34	1	1	36	40	1	0	41	39	1	0	40
6	Haora	19	2	6	27	19	0	9	28	20	0	8	28	22	1	9	32
7	Hugli	26	31	13	70	22	20	35	77	23	31	23	77	28	36	14	78
8	Jalpaiguri+Alipurduar	65	1	1	67	66	1	1	68	70	1	1	72	63	0	1	64
9	Kochbehar	31	0	1	32	29	0	0	29	35	0	1	36	29	1	1	31
10	Maldah	32	2	10	44	31	2	12	45	32	3	11	46	40	3	11	54
11	Murshidabad	18	9	27	54	18	20	31	69	21	22	38	81	19	25	35	79
12	Nadia	14	37	30	81	14	49	38	101	14	48	42	104	13	48	28	89
13	North 24 Parganas	6	37	70	113	6	32	48	86	6	37	70	113	6	35	68	109
14	Paschim Medinipur+Jhargram	58	11	26	95	59	24	10	93	61	14	25	100	61	15	22	98
15	Purba Medinipur	3	12	16	31	3	12	18	33	4	17	20	41	4	14	14	32
16	Purulia	77	0	1	78	93	0	1	94	97	0	0	97	97	0	0	97
17	South 24 Parganas	8	6	61	75	10	11	68	89	10	6	57	73	12	11	89	112
18	Uttar Dinajpur	10	2	12	24	11	1	11	23	10	1	12	23	10	1	17	28
	Total	685	214	328	1227	696	205	361	1262	719	240	365	1324	723	254	368	1345

**Table-3**  
**District-wise Well Frequency for Different Ranges of Depth to Water Level**  
**Month / Year : Apr-2020**

District	No. of Wells analysed	Depth to Water level (mbgl)		No. / Percentage of Wells Showing Depth to Water Table (mbgl) in the Range of									
				0-2	%	02-05	%	05-10	%	10-20	%	20-40	%
Alipurduar	21	0.1	2.97	18	85.7	3	14.3	0	0	0	0	0	0
Bankura	106	0	23.82	46	43.4	42	39.6	12	11.3	5	4.7	1	0.9
Birbhum	128	0.03	29.65	49	38.3	31	24.2	21	16.4	18	14.1	9	7
Dakshin Dinajpur	23	0.26	13.85	17	73.9	4	17.4	0	0	2	8.7	0	0
Darjeeling	39	0.42	4.27	23	59	16	41	0	0	0	0	0	0
Haora	27	0.2	16.06	18	66.7	1	3.7	2	7.4	6	22.2	0	0
Hugli	70	0.3	19.97	20	28.6	6	8.6	5	7.1	39	55.7	0	0
Jalpaiguri	46	0.31	11.27	38	82.6	6	13	0	0	2	4.3	0	0
Jhargram	24	1.05	13.82	8	33.3	11	45.8	3	12.5	2	8.3	0	0
kochbehar	32	0.17	2.15	31	96.9	1	3.1	0	0	0	0	0	0
Maldah	44	0.32	20.11	12	27.3	18	40.9	13	29.5	0	0	1	2.3
Murshidabad	54	0.6	27.25	7	13	19	35.2	14	25.9	5	9.3	9	16.7
Nadia	81	0.6	9.79	6	7.4	47	58	28	34.6	0	0	0	0
North Twentyfour	113	0.38	14.4	13	11.5	55	48.7	34	30.1	11	9.7	0	0
Paschim Barddhaman	63	0.3	22.21	39	61.9	17	27	4	6.3	2	3.2	1	1.6
Paschim Medinipur	71	0.25	17.5	23	32.4	12	16.9	13	18.3	23	32.4	0	0
Purba Barddhaman	77	0.11	27.86	11	14.3	13	16.9	23	29.9	18	23.4	12	15.6
Purba Medinipur	31	0.2	20.52	1	3.2	2	6.5	7	22.6	20	64.5	1	3.2
Purulia	78	0.42	9.89	18	23.1	39	50	21	26.9	0	0	0	0
South Twentyfour	75	0.05	16.65	8	10.7	7	9.3	31	41.3	29	38.7	0	0
Uttar Dinajpur	24	0.25	26	6	25	13	54.2	4	16.7	0	0	1	4.2
Total	1227			412	33.6	363	29.6	235	19.2	182	14.8	35	2.9

**Table - 4**  
**District-wise Well Frequency for Different Ranges of Depth to Water Level**  
**Month / Year : Aug-2020**

District	No. of Wells analysed	Depth to Water level (mbgl)		No. / Percentage of Wells Showing Depth to Water Table (mbgl) in the Range of									
				0-2	%	02-05	%	05-10	%	10-20	%	20-40	%
Alipurduar	22	0.12	1.93	22	100	0	0	0	0	0	0	0	0
Bankura	114	0.14	23.55	88	77.2	19	16.7	4	3.5	2	1.8	1	0.9
Birbhum	128	0.08	28.99	60	46.9	35	27.3	15	11.7	11	8.6	7	5.5
Dakshin Dinajpur	23	0.53	10.87	12	52.2	10	43.5	0	0	1	4.3	0	0
Darjeeling	36	0.18	3.19	31	86.1	5	13.9	0	0	0	0	0	0
Haora	28	0.15	19.65	17	60.7	1	3.6	1	3.6	9	32.1	0	0
Hugli	77	0.06	17.2	18	23.4	3	3.9	18	23.4	38	49.4	0	0
Jalpaiguri	46	0.02	3.94	35	76.1	11	23.9	0	0	0	0	0	0
Jhargram	25	0.32	9.03	6	24	14	56	5	20	0	0	0	0
kochbehar	29	0.06	2.62	27	93.1	2	6.9	0	0	0	0	0	0
Maldah	45	0.23	16.09	29	64.4	12	26.7	2	4.4	2	4.4	0	0
Murshidabad	69	0.13	27.68	21	30.4	20	29	2	2.9	11	15.9	15	21.7
Nadia	101	-0.14	7.7	36	35.6	59	58.4	6	5.9	0	0	0	0
North Twentyfour	86	0.11	14.9	25	29.1	34	39.5	24	27.9	3	3.5	0	0
Paschim Barddhaman	60	0.23	22.15	47	78.3	7	11.7	2	3.3	3	5	1	1.7
Paschim Medinipur	68	0.28	17.35	22	32.4	14	20.6	16	23.5	16	23.5	0	0
Purba Barddhaman	66	0.06	27.8	13	19.7	12	18.2	17	25.8	14	21.2	10	15.2
Purba Medinipur	33	0.35	18.72	3	9.1	1	3	13	39.4	16	48.5	0	0
Purulia	94	0.11	6.62	66	70.2	27	28.7	1	1.1	0	0	0	0
South Twentyfour	89	0.05	17.97	8	9	22	24.7	31	34.8	28	31.5	0	0
Uttar Dinajpur	23	0.5	4.04	14	60.9	9	39.1	0	0	0	0	0	0
Total	1262			600	47.5	317	25.1	157	12.4	154	12.2	34	2.7

**Table - 5**  
**District-wise Well Frequency for Different Ranges of Depth to Water Level**  
**Month / Year :Nov-2020**

District	No. of Wells analysed	Depth to Water level (mbgl)		No. / Percentage of Wells Showing Depth to Water Table (mbgl) in the Range of									
				0-2	%	02-05	%	05-10	%	10-20	%	20-40	%
Alipurduar	23	0.57	18.12	3	13	19	82.6	0	0	1	4.3	0	0
Bankura	110	0.35	13.12	38	34.5	59	53.6	9	8.2	4	3.6	0	0
Birbhum	122	0.71	24	15	12.3	62	50.8	24	19.7	13	10.7	8	6.6
Dakshin Dinajpur	24	0.92	4.59	8	33.3	16	66.7	0	0	0	0	0	0
Darjeeling	41	0.92	6.4	9	22	30	73.2	2	4.9	0	0	0	0
Haora	27	0.47	18.25	17	63	1	3.7	1	3.7	8	29.6	0	0
Hugli	78	0.31	15.95	18	23.1	3	3.8	20	25.6	37	47.4	0	0
Jalpaiguri	49	1.2	8.65	13	26.5	31	63.3	5	10.2	0	0	0	0
Jhargram	34	-0.82	9.05	5	14.7	19	55.9	10	29.4	0	0	0	0
Kochbehar	36	0.52	3.7	15	41.7	21	58.3	0	0	0	0	0	0
Malda	46	0.49	23.63	22	47.8	20	43.5	3	6.5	0	0	1	2.2
Murshidabad	81	1.78	25.78	1	1.2	31	38.3	33	40.7	10	12.3	6	7.4
Nadia	104	0.86	6.56	11	10.6	84	80.8	9	8.7	0	0	0	0
North 24 Parganas	113	0.42	13.07	18	15.9	65	57.5	23	20.4	7	6.2	0	0
Paschim Barddhaman	59	0.1	14.83	28	47.5	27	45.8	2	3.4	2	3.4	0	0
Paschim Medinipur	65	-0.6	19.9	17	26.2	14	21.5	15	23.1	19	29.2	0	0
Purba Barddhaman	77	0.07	29.38	13	16.9	16	20.8	22	28.6	13	16.9	13	16.9
Purba Medinipur	42	0.5	22.58	6	14.3	3	7.1	9	21.4	23	54.8	1	2.4
Purulia	97	1.25	7.53	22	22.7	69	71.1	6	6.2	0	0	0	0
South 24 Parganas	73	0.04	15.57	8	11	10	13.7	33	45.2	22	30.1	0	0
Uttar Dinajpur	23	0.9	5.4	5	21.7	17	73.9	1	4.3	0	0	0	0
<b>Total</b>	<b>1324</b>			<b>292</b>	<b>22.1</b>	<b>617</b>	<b>46.6</b>	<b>227</b>	<b>17.1</b>	<b>159</b>	<b>12</b>	<b>29</b>	<b>2.2</b>

**Table - 6**  
**District-wise Well Frequency for Different Ranges of Depth to Water Level**  
**Month / Year :Jan – 2021**

District	No. of Wells analysed	Depth to Water level (mbgl)		No. / Percentage of Wells Showing Depth to Water Table (mbgl) in the Range of									
				0-2	%	02-05	%	05-10	%	10-20	%	20-40	%
Alipurduar	19	2.35	5.82	0	0	17	89.5	2	10.5	0	0	0	0
Bankura	103	0.82	22.68	11	10.7	54	52.4	34	33	3	2.9	1	1
Birbhum	139	0.8	26.16	10	7.2	50	36	52	37.4	19	13.7	8	5.8
Dakshin Dinajpur	25	1.64	13.76	2	8	11	44	9	36	3	12	0	0
Darjeeling	40	0.95	9.18	5	12.5	26	65	9	22.5	0	0	0	0
Haora	32	0.31	21.69	18	56.3	3	9.4	1	3.1	9	28.1	1	3.1
Hugli	78	0.39	19.14	13	16.7	13	16.7	8	10.3	44	56.4	0	0
Jalpaiguri	45	1.27	22.02	3	6.7	33	73.3	8	17.8	0	0	1	2.2
Jhargram	29	2.1	12.36	0	0	12	41.4	13	44.8	4	13.8	0	0
kochbehar	31	1.08	4.85	4	12.9	27	87.1	0	0	0	0	0	0
Maldah	54	0.8	22.31	6	11.1	36	66.7	9	16.7	2	3.7	1	1.9
Murshidabad	79	0.6	31.93	5	6.3	32	40.5	16	20.3	12	15.2	14	17.7
Nadia	89	0.92	9.7	2	2.2	42	47.2	45	50.6	0	0	0	0
North 24 Parganas	109	0.4	13.69	8	7.3	50	45.9	42	38.5	9	8.3	0	0
Paschim Barddhaman	62	0.1	13.11	23	37.1	23	37.1	14	22.6	2	3.2	0	0
Paschim Medinipur	69	0.7	16.1	7	10.1	16	23.2	27	39.1	19	27.5	0	0
Purba Barddhaman	73	0.49	25.35	5	6.8	11	15.1	30	41.1	19	26	8	11
Purba Medinipur	32	-0.4	35.24	3	9.4	1	3.1	11	34.4	15	46.9	2	6.3
Purulia	97	1.8	9.09	2	2.1	69	71.1	26	26.8	0	0	0	0
South 24 Parganas	112	0.23	19.68	12	10.7	6	5.4	30	26.8	64	57.1	0	0
Uttar Dinajpur	28	1.49	10.36	2	7.1	22	78.6	3	10.7	1	3.6	0	0
Total	1345			141	10.5	554	41.2	389	28.9	225	16.7	36	2.7

**Table – 7**  
**District-wise Categorisation of Water Level Fluctuation**  
**(Apr-19 to Apr-20 )**

District	Number of Stations Analysed	Fall						Rise						Total No. of Wells	
		0 - 2 (m)	%	2 - 4 (m)	%	> 4 (m)	%	0 - 2 (m)	%	2 - 4 (m)	%	> 4 (m)	%	Fall	Rise
Alipurduar	21	0	0	0	0	0	0	14	66.7	7	33.3	0	0	0	21
Bankura	105	5	4.8	1	1	2	1.9	35	33.3	35	33.3	27	25.7	8	97
Birbhum	106	8	7.5	2	1.9	0	0	29	27.4	42	39.6	25	23.6	10	96
Dakshin Dinajpur	13	0	0	0	0	0	0	0	0	4	30.8	9	69.2	0	13
Darjeeling	38	1	2.6	0	0	0	0	17	44.7	13	34.2	7	18.4	1	37
Haora	25	1	4	0	0	0	0	20	80	4	16	0	0	1	24
Hugli	58	10	17.2	2	3.4	2	3.4	20	34.5	15	25.9	9	15.5	14	44
Jalpaiguri	44	4	9.1	1	2.3	0	0	25	56.8	12	27.3	2	4.5	5	39
Jhargram	16	0	0	0	0	0	0	5	31.3	7	43.8	4	25	0	16
kochbehar	31	2	6.5	0	0	0	0	24	77.4	5	16.1	0	0	2	29
Maldah	32	3	9.4	1	3.1	1	3.1	16	50	3	9.4	8	25	5	27
Murshidabad	50	7	14	1	2	1	2	23	46	13	26	5	10	9	41
Nadia	71	11	15.5	3	4.2	0	0	41	57.7	14	19.7	2	2.8	14	57
North Twentyfour	92	13	14.1	1	1.1	1	1.1	46	50	26	28.3	5	5.4	15	77
Paschim Barddhaman	60	4	6.7	1	1.7	3	5	31	51.7	15	25	6	10	8	52
Paschim Medinipur	52	5	9.6	1	1.9	0	0	24	46.2	14	26.9	8	15.4	6	46
Purba Barddhaman	75	8	10.7	4	5.3	3	4	30	40	18	24	12	16	15	60
Purba Medinipur	22	6	27.3	1	4.5	1	4.5	9	40.9	2	9.1	3	13.6	8	14
Purulia	72	1	1.4	0	0	0	0	15	20.8	34	47.2	22	30.6	1	71
South Twentyfour	73	23	31.5	4	5.5	0	0	39	53.4	5	6.8	2	2.7	27	46
Uttar Dinajpur	18	5	27.8	0	0	1	5.6	9	50	3	16.7	0	0	6	12
<b>Total</b>	<b>1074</b>	<b>117</b>	<b>10.9</b>	<b>23</b>	<b>2.1</b>	<b>15</b>	<b>1.4</b>	<b>472</b>	<b>43.9</b>	<b>291</b>	<b>27.1</b>	<b>156</b>	<b>14.5</b>	<b>155</b>	<b>919</b>



**Table - 8**  
**District-wise Categorisation of Water Level Fluctuation**  
**( Apr-2020 to Aug-2020)**

District	Number of Stations Analysed	Fall						Rise						Total No. of Wells	
		0 - 2 (m)	%	2 - 4 (m)	%	> 4 (m)	%	0 - 2 (m)	%	2 - 4 (m)	%	> 4 (m)	%	Fall	Rise
Alipurduar	18	10	55.6	0	0	0	0	8	44.4	0	0	0	0	10	8
Bankura	101	27	26.7	0	0	0	0	48	47.5	20	19.8	6	5.9	27	74
Birbhum	112	31	27.7	4	3.6	0	0	46	41.1	15	13.4	16	14.3	35	77
Dakshin Dinajpur	17	8	47.1	1	5.9	0	0	6	35.3	1	5.9	1	5.9	9	8
Darjeeling	33	2	6.1	0	0	0	0	29	87.9	2	6.1	0	0	2	31
Haora	23	7	30.4	0	0	1	4.3	15	65.2	0	0	0	0	8	15
Hugli	54	11	20.4	2	3.7	1	1.9	34	63	5	9.3	1	1.9	14	40
Jalpaiguri	40	17	42.5	0	0	0	0	22	55	0	0	1	2.5	17	23
Jhargram	24	9	37.5	1	4.2	0	0	11	45.8	2	8.3	1	4.2	10	14
kochbehar	28	11	39.3	0	0	0	0	17	60.7	0	0	0	0	11	17
Maldah	39	5	12.8	0	0	0	0	15	38.5	10	25.6	9	23.1	5	34
Murshidabad	51	8	15.7	1	2	1	2	23	45.1	15	29.4	3	5.9	10	41
Nadia	69	4	5.8	0	0	0	0	41	59.4	23	33.3	1	1.4	4	65
North Twentyfour	85	2	2.4	0	0	0	0	66	77.6	14	16.5	3	3.5	2	83
Paschim Barddhaman	60	4	6.7	0	0	2	3.3	45	75	8	13.3	1	1.7	6	54
Paschim Medinipur	65	19	29.2	1	1.5	1	1.5	27	41.5	16	24.6	1	1.5	21	44
Purba Barddhaman	66	2	3	0	0	1	1.5	58	87.9	3	4.5	2	3	3	63
Purba Medinipur	31	1	3.2	2	6.5	1	3.2	15	48.4	8	25.8	4	12.9	4	27
Purulia	75	5	6.7	1	1.3	0	0	36	48	27	36	6	8	6	69
South Twentyfour	66	9	13.6	1	1.5	2	3	44	66.7	4	6.1	6	9.1	12	54
Uttar Dinajpur	22	5	22.7	0	0	0	0	11	50	5	22.7	1	4.5	5	17
<b>Total</b>	<b>1079</b>	<b>197</b>	<b>18.3</b>	<b>14</b>	<b>1.3</b>	<b>10</b>	<b>0.9</b>	<b>617</b>	<b>57.2</b>	<b>178</b>	<b>16.5</b>	<b>63</b>	<b>5.8</b>	<b>221</b>	<b>858</b>

**Table - 9**  
**District-wise Categorisation of Water Level Fluctuation**  
**(Apr-2020 to Nov-2020)**

District	Number of Stations Analysed	Fall						Rise						Total No. of Wells	
		0 - 2 (m)	%	2 - 4 (m)	%	> 4 (m)	%	0 - 2 (m)	%	2 - 4 (m)	%	> 4 (m)	%	Fall	Rise
Alipurduar	20	11	55	9	45	0	0	0	0	0	0	0	0	20	0
Bankura	98	55	56.1	6	6.1	0	0	30	30.6	4	4.1	3	3.1	61	37
Birbhum	109	41	37.6	16	14.7	7	6.4	24	22	14	12.8	7	6.4	64	45
Dakshin Dinajpur	20	14	70	2	10	0	0	2	10	0	0	2	10	16	4
Darjeeling	37	30	81.1	5	13.5	0	0	2	5.4	0	0	0	0	35	2
Haora	23	15	65.2	1	4.3	0	0	7	30.4	0	0	0	0	16	7
Hugli	54	15	27.8	1	1.9	1	1.9	24	44.4	12	22.2	1	1.9	17	37
Jalpaiguri	40	25	62.5	12	30	2	5	0	0	1	2.5	0	0	39	1
Jhargram	22	8	36.4	6	27.3	0	0	6	27.3	1	4.5	1	4.5	14	8
kochbehar	31	26	83.9	5	16.1	0	0	0	0	0	0	0	0	31	0
Maldah	32	6	18.8	1	3.1	0	0	16	50	6	18.8	3	9.4	7	25
Murshidabad	52	12	23.1	5	9.6	3	5.8	24	46.2	1	1.9	7	13.5	20	32
Nadia	74	15	20.3	0	0	0	0	45	60.8	12	16.2	2	2.7	15	59
North Twentyfour	110	30	27.3	3	2.7	0	0	66	60	10	9.1	1	0.9	33	77
Paschim Barddhaman	61	41	67.2	3	4.9	2	3.3	10	16.4	1	1.6	4	6.6	46	15
Paschim Medinipur	64	24	37.5	5	7.8	2	3.1	14	21.9	13	20.3	6	9.4	31	33
Purba Barddhaman	74	25	33.8	3	4.1	1	1.4	32	43.2	9	12.2	4	5.4	29	45
Purba Medinipur	29	2	6.9	2	6.9	3	10.3	10	34.5	6	20.7	6	20.7	7	22
Purulia	74	22	29.7	2	2.7	1	1.4	35	47.3	12	16.2	2	2.7	25	49
South Twentyfour	63	10	15.9	0	0	0	0	50	79.4	3	4.8	0	0	10	53
Uttar Dinajpur	19	3	15.8	2	10.5	0	0	13	68.4	1	5.3	0	0	5	14
Total	1106	430	38.9	89	8	22	2	410	37.1	106	9.6	49	4.4	541	565

Table - 10

**District-wise Categorisation of Water Level Fluctuation****( Apr-2020to Jan-2021)**

District	Number of Stations Analysed	Fall						Rise						Total No. of Wells	
		0 - 2 (m)	%	2 - 4 (m)	%	> 4 (m)	%	0 - 2 (m)	%	2 - 4 (m)	%	> 4 (m)	%	Fall	Rise
Alipurduar	18	4	22.2	13	72.2	1	5.6	0	0	0	0	0	0	18	0
Bankura	95	42	44.2	30	31.6	8	8.4	10	10.5	3	3.2	2	2.1	80	15
Birbhum	121	46	38	27	22.3	16	13.2	20	16.5	9	7.4	3	2.5	89	32
Dakshin Dinajpur	18	6	33.3	5	27.8	5	27.8	2	11.1	0	0	0	0	16	2
Darjeeling	37	23	62.2	9	24.3	4	10.8	1	2.7	0	0	0	0	36	1
Haora	25	20	80	1	4	1	4	3	12	0	0	0	0	22	3
Hugli	58	22	37.9	11	19	4	6.9	18	31	2	3.4	1	1.7	37	21
Jalpaiguri	39	15	38.5	16	41	8	20.5	0	0	0	0	0	0	39	0
Jhargram	23	7	30.4	4	17.4	5	21.7	5	21.7	2	8.7	0	0	16	7
kochbehar	24	10	41.7	13	54.2	1	4.2	0	0	0	0	0	0	24	0
Maldah	39	14	35.9	4	10.3	1	2.6	13	33.3	5	12.8	2	5.1	19	20
Murshidabad	50	22	44	5	10	4	8	18	36	1	2	0	0	31	19
Nadia	65	35	53.8	8	12.3	0	0	19	29.2	3	4.6	0	0	43	22
North Twentyfour	106	55	51.9	11	10.4	0	0	35	33	3	2.8	2	1.9	66	40
Paschim Barddhaman	62	30	48.4	12	19.4	7	11.3	6	9.7	3	4.8	4	6.5	49	13
Paschim Medinipur	61	22	36.1	15	24.6	4	6.6	11	18	7	11.5	2	3.3	41	20
Purba Barddhaman	71	38	53.5	8	11.3	5	7	7	9.9	6	8.5	7	9.9	51	20
Purba Medinipur	24	1	4.2	1	4.2	4	16.7	9	37.5	7	29.2	2	8.3	6	18
Purulia	74	39	52.7	11	14.9	2	2.7	19	25.7	3	4.1	0	0	52	22
South Twentyfour	66	20	30.3	13	19.7	8	12.1	16	24.2	6	9.1	3	4.5	41	25
Uttar Dinajpur	23	11	47.8	2	8.7	0	0	6	26.1	3	13	1	4.3	13	10
Total	1099	482	43.9	219	19.9	88	8	218	19.8	63	5.7	29	2.6	789	310

**Table - 11**  
**District-wise Categorisation of Water Level Fluctuation**  
**( Aug– 2019 to Aug-2020)**

District	Number of Stations Analysed	Fall						Rise						Total No. of Wells	
		0 - 2 (m)	%	2 - 4 (m)	%	> 4 (m)	%	0 - 2 (m)	%	2 - 4 (m)	%	> 4 (m)	%	Fall	Rise
Alipurduar	19	0	0	0	0	0	0	14	73.7	5	26.3	0	0	0	19
Bankura	111	8	7.2	0	0	0	0	66	59.5	25	22.5	12	10.8	8	103
Birbhum	118	6	5.1	0	0	0	0	53	44.9	36	30.5	23	19.5	6	112
Dakshin Dinajpur	20	1	5	0	0	0	0	9	45	4	20	6	30	1	19
Darjeeling	36	2	5.6	0	0	0	0	27	75	6	16.7	1	2.8	2	34
Haora	24	4	16.7	1	4.2	0	0	16	66.7	3	12.5	0	0	5	19
Hugli	67	5	7.5	2	3	2	3	33	49.3	19	28.4	6	9	9	58
Jalpaiguri	46	4	8.7	0	0	0	0	34	73.9	6	13	2	4.3	4	42
Jhargram	23	11	47.8	2	8.7	1	4.3	9	39.1	0	0	0	0	14	9
Kochbehar	29	2	6.9	0	0	0	0	25	86.2	2	6.9	0	0	2	27
Malda	33	3	9.1	0	0	0	0	13	39.4	7	21.2	10	30.3	3	30
Murshidabad	57	4	7	2	3.5	10	17.5	16	28.1	16	28.1	9	15.8	16	41
Nadia	80	2	2.5	0	0	0	0	18	22.5	54	67.5	6	7.5	2	78
North 24 Parganas	72	5	6.9	2	2.8	2	2.8	28	38.9	23	31.9	12	16.7	9	63
Paschim Barddhaman	58	14	24.1	0	0	4	6.9	29	50	5	8.6	6	10.3	18	40
Paschim Medinipur	53	20	37.7	6	11.3	2	3.8	13	24.5	9	17	3	5.7	28	25
Purba Barddhaman	65	9	13.8	3	4.6	1	1.5	26	40	12	18.5	14	21.5	13	52
Purba Medinipur	28	6	21.4	1	3.6	5	17.9	7	25	5	17.9	4	14.3	12	16
Purulia	93	17	18.3	0	0	0	0	44	47.3	24	25.8	8	8.6	17	76
South 24 Parganas	88	30	34.1	3	3.4	0	0	47	53.4	6	6.8	2	2.3	33	55
Uttar Dinajpur	17	2	11.8	0	0	0	0	11	64.7	4	23.5	0	0	2	15
<b>Total</b>	<b>1137</b>	<b>155</b>	<b>13.6</b>	<b>22</b>	<b>1.9</b>	<b>27</b>	<b>2.4</b>	<b>538</b>	<b>47.3</b>	<b>271</b>	<b>23.8</b>	<b>124</b>	<b>10.9</b>	<b>204</b>	<b>933</b>

**Table - 12**  
**District-wise Categorisation of Water Level Fluctuation**  
**(Nov-19 to Nov-20)**

District	Number of Stations Analysed	Fall						Rise						Total No. of Wells	
		0 - 2 (m)	%	2 - 4 (m)	%	> 4 (m)	%	0 - 2 (m)	%	2 - 4 (m)	%	> 4 (m)	%	Fall	Rise
Alipurduar	19	6	31.6	0	0	0	0	12	63.2	1	5.3	0	0	6	13
Bankura	107	15	14	3	2.8	3	2.8	69	64.5	12	11.2	5	4.7	21	86
Birbhum	114	56	49.1	7	6.1	3	2.6	36	31.6	7	6.1	5	4.4	66	48
Dakshin Dinajpur	20	8	40	0	0	0	0	7	35	4	20	1	5	8	12
Darjeeling	40	10	25	0	0	0	0	30	75	0	0	0	0	10	30
Haora	26	8	30.8	0	0	2	7.7	15	57.7	1	3.8	0	0	10	16
Hugli	68	21	30.9	4	5.9	7	10.3	28	41.2	7	10.3	1	1.5	32	36
Jalpaiguri	45	16	35.6	0	0	0	0	29	64.4	0	0	0	0	16	29
Jhargram	29	13	44.8	4	13.8	0	0	10	34.5	1	3.4	1	3.4	17	12
Kochbehar	32	5	15.6	0	0	0	0	27	84.4	0	0	0	0	5	27
Malda	39	21	53.8	0	0	0	0	14	35.9	4	10.3	0	0	21	18
Murshidabad	58	12	20.7	3	5.2	3	5.2	19	32.8	3	5.2	18	31	18	40
Nadia	82	15	18.3	1	1.2	0	0	52	63.4	11	13.4	3	3.7	16	66
North 24 Parganas	99	38	38.4	2	2	1	1	54	54.5	3	3	1	1	41	58
Paschim Barddhaman	57	38	66.7	2	3.5	0	0	14	24.6	2	3.5	1	1.8	40	17
Paschim Medinipur	61	20	32.8	12	19.7	5	8.2	22	36.1	1	1.6	1	1.6	37	24
Purba Barddhaman	75	24	32	5	6.7	5	6.7	33	44	4	5.3	4	5.3	34	41
Purba Medinipur	38	13	34.2	4	10.5	7	18.4	5	13.2	5	13.2	4	10.5	24	14
Purulia	93	22	23.7	0	0	0	0	63	67.7	8	8.6	0	0	22	71
South 24 Parganas	68	33	48.5	9	13.2	4	5.9	19	27.9	2	2.9	1	1.5	46	22
Uttar Dinajpur	20	6	30	1	5	0	0	12	60	1	5	0	0	7	13
<b>Total</b>	<b>1190</b>	<b>400</b>	<b>33.6</b>	<b>57</b>	<b>4.8</b>	<b>40</b>	<b>3.4</b>	<b>570</b>	<b>47.9</b>	<b>77</b>	<b>6.5</b>	<b>46</b>	<b>3.9</b>	<b>497</b>	<b>693</b>

**Table - 13**  
**District-wise Categorisation of Water Level Fluctuation**  
**(Jan-20 to Jan-21)**

District	Number of Stations Analysed	Fall						Rise						Total No. of Wells	
		0 - 2 (m)	%	2 - 4 (m)	%	> 4 (m)	%	0 - 2 (m)	%	2 - 4 (m)	%	> 4 (m)	%	Fall	Rise
Alipurduar	18	4	22.2	0	0	0	0	14	77.8	0	0	0	0	4	14
Bankura	100	46	46	3	3	3	3	44	44	3	3	1	1	52	48
Birbhum	129	63	48.8	6	4.7	2	1.6	38	29.5	13	10.1	7	5.4	71	58
Dakshin Dinajpur	23	9	39.1	2	8.7	0	0	9	39.1	1	4.3	2	8.7	11	12
Darjeeling	40	20	50	0	0	0	0	18	45	2	5	0	0	20	20
Haora	27	12	44.4	0	0	2	7.4	11	40.7	2	7.4	0	0	14	13
Hugli	55	10	18.2	4	7.3	4	7.3	28	50.9	8	14.5	1	1.8	18	37
Jalpaiguri	41	15	36.6	2	4.9	0	0	24	58.5	0	0	0	0	17	24
Jhargram	27	10	37	1	3.7	2	7.4	10	37	4	14.8	0	0	13	14
kochbehar	23	14	60.9	0	0	0	0	9	39.1	0	0	0	0	14	9
Maldah	42	14	33.3	3	7.1	1	2.4	20	47.6	4	9.5	0	0	18	24
Murshidabad	58	18	31	3	5.2	3	5.2	30	51.7	3	5.2	1	1.7	24	34
Nadia	82	27	32.9	7	8.5	1	1.2	44	53.7	2	2.4	1	1.2	35	47
North Twentyfour	106	55	51.9	7	6.6	4	3.8	35	33	4	3.8	1	0.9	66	40
Paschim Barddhaman	62	27	43.5	6	9.7	1	1.6	19	30.6	6	9.7	3	4.8	34	28
Paschim Medinipur	63	18	28.6	2	3.2	2	3.2	15	23.8	8	12.7	18	28.6	22	41
Purba Barddhaman	72	16	22.2	4	5.6	0	0	34	47.2	9	12.5	9	12.5	20	52
Purba Medinipur	31	16	51.6	1	3.2	5	16.1	7	22.6	1	3.2	1	3.2	22	9
Purulia	96	57	59.4	1	1	0	0	37	38.5	1	1	0	0	58	38
South Twentyfour	94	22	23.4	14	14.9	26	27.7	26	27.7	5	5.3	1	1.1	62	32
Uttar Dinajpur	20	5	25	1	5	0	0	10	50	4	20	0	0	6	14
<b>Total</b>	<b>1209</b>	<b>478</b>	<b>39.5</b>	<b>67</b>	<b>5.5</b>	<b>56</b>	<b>4.6</b>	<b>482</b>	<b>39.9</b>	<b>80</b>	<b>6.6</b>	<b>46</b>	<b>3.8</b>	<b>601</b>	<b>608</b>

Table - 14

**District-wise Categorisation of Change in Water Level****10 Yrs Mean ( Apr-10 - Apr-19 ) - Apr-20**

District	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	0-2	%	2-4	%	>4	%	0-2	%	2-4	%	>4	%		
Alipurduar	13	1.5	4.47			2	15.4	10	76.9	1	7.7	0	0	0	0	0	0	13	0
Bankura	81	0.31	7.81	0.74	2.93	15	18.5	41	50.6	21	25.9	3	3.7	1	1.2	0	0	77	4
Birbhum	99	0.19	11.87	0.04	10.75	23	23.2	30	30.3	29	29.3	9	9.1	6	6.1	2	2	82	17
Dakshin Dinajpur	14	0.97	14.87			1	7.1	1	7.1	12	85.7	0	0	0	0	0	0	14	0
Darjeeling	29	0.27	7.85			10	34.5	14	48.3	5	17.2	0	0	0	0	0	0	29	0
Haora	15	0.2	3.84	0.08	3.72	7	46.7	5	33.3	0	0	2	13.3	1	6.7	0	0	12	3
Hugli	30	0.19	5.89	0.05	3.88	12	40	8	26.7	5	16.7	2	6.7	3	10	0	0	25	5
Jalpaiguri	35	0.69	12.21			12	34.3	14	40	9	25.7	0	0	0	0	0	0	35	0
Jhargram	8	0.23	5.81			2	25	4	50	2	25	0	0	0	0	0	0	8	0
Kochbehar	22	0.63	4.11			7	31.8	14	63.6	1	4.5	0	0	0	0	0	0	22	0
Malda	31	0.44	8.54	2.02	4.08	11	35.5	9	29	9	29	0	0	1	3.2	1	3.2	29	2
Murshidabad	34	0.5	10.31	0.87	4.88	19	55.9	3	8.8	5	14.7	3	8.8	2	5.9	2	5.9	27	7
Nadia	62	0.05	4.24	0.02	2.74	39	62.9	15	24.2	1	1.6	6	9.7	1	1.6	0	0	55	7
North 24 Parganas	76	0.15	4.2	0.11	3.7	40	52.6	26	34.2	2	2.6	6	7.9	2	2.6	0	0	68	8
Paschim Bardhaman	41	0.62	12.13	1.23	8.89	14	34.1	17	41.5	8	19.5	1	2.4	0	0	1	2.4	39	2
Paschim Medinipur	42	0.44	12.25	0.36	1.03	8	19	13	31	18	42.9	3	7.1	0	0	0	0	39	3
Purba Bardhaman	40	0.28	9.71	0.01	5.85	12	30	12	30	6	15	5	12.5	3	7.5	2	5	30	10
Purba Medinipur	21	0.16	8.01	0.28	3.99	9	42.9	4	19	5	23.8	1	4.8	2	9.5	0	0	18	3
Purulia	55	0.4	9.26	0.26	0.26	14	25.5	23	41.8	17	30.9	1	1.8	0	0	0	0	54	1
South 24 Parganas	31	0.11	2.82	0	4.25	14	45.2	2	6.5	0	0	9	29	5	16.1	1	3.2	16	15
Uttar Dinajpur	14	0.13	3.02	0.1	19.34	9	64.3	2	14.3	0	0	2	14.3	0	0	1	7.1	11	3
Total	793					280	35.3	267	33.7	156	19.7	53	6.7	27	3.4	10	1.3	703	90

**Table - 15**  
**District-wise Categorisation of Change in Water Level**  
**10 Yrs Mean ( Aug-10 -Aug-19 ) - Aug-20**

District	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	0-2	%	2-4	%	>4	%	0-2	%	2-4	%	>4	%		
Alipurduar	12	0.48	2.31			11	91.7	1	8.3	0	0	0	0	0	0	0	0	12	0
Bankura	100	0.01	3.15	0.05	5.4	79	79	4	4	0	0	15	15	1	1	1	1	83	17
Birbhum	105	0.05	6.06	0.11	10.51	57	54.3	14	13.3	4	3.8	20	19	5	4.8	5	4.8	75	30
Dakshin Dinajpur	17	0.12	6.36			12	70.6	4	23.5	1	5.9	0	0	0	0	0	0	17	0
Darjeeling	27	0.07	2.57	0.13	0.17	23	85.2	2	7.4	0	0	2	7.4	0	0	0	0	25	2
Haora	12	0.03	1.84	0	1.58	6	50	0	0	0	0	6	50	0	0	0	0	6	6
Hugli	38	0.05	2.66	0.1	11.99	24	63.2	3	7.9	0	0	8	21.1	1	2.6	2	5.3	27	11
Jalpaiguri	38	0	1.66	0.09	1.55	29	76.3	0	0	0	0	9	23.7	0	0	0	0	29	9
Jhargram	9	0.21	0.98	0.52	1.62	6	66.7	0	0	0	0	3	33.3	0	0	0	0	6	3
Kochbehar	19	0.03	1.26	0.62	0.62	18	94.7	0	0	0	0	1	5.3	0	0	0	0	18	1
Malda	32	0.14	4.44	0.24	1.04	15	46.9	11	34.4	3	9.4	3	9.4	0	0	0	0	29	3
Murshidabad	46	0.02	4.74	0.22	8.1	17	37	10	21.7	1	2.2	7	15.2	6	13	5	10.9	28	18
Nadia	76	0.02	3	0.77	2.74	62	81.6	11	14.5	0	0	2	2.6	1	1.3	0	0	73	3
North 24 Parganas	63	0.15	3.92	0.09	3.39	45	71.4	7	11.1	0	0	9	14.3	2	3.2	0	0	52	11
Paschim Barddhaman	47	0.04	8.22	0.03	13.21	32	68.1	3	6.4	1	2.1	8	17	0	0	3	6.4	36	11
Paschim Medinipur	44	0	3.68	0.03	5.84	21	47.7	3	6.8	0	0	15	34.1	3	6.8	2	4.5	24	20
Purba Barddhaman	35	0.04	5.15	0.02	7.31	10	28.6	1	2.9	1	2.9	16	45.7	4	11.4	3	8.6	12	23
Purba Medinipur	22	0.08	4.95	0.37	7.17	5	22.7	4	18.2	1	4.5	4	18.2	6	27.3	2	9.1	10	12
Purulia	83	0.01	4.08	0.03	2.48	67	80.7	5	6	1	1.2	9	10.8	1	1.2	0	0	73	10
South 24 Parganas	38	0.1	6.09	0	5.67	12	31.6	0	0	1	2.6	13	34.2	9	23.7	3	7.9	13	25
Uttar Dinajpur	15	0.19	1.77	0.03	0.54	13	86.7	0	0	0	0	2	13.3	0	0	0	0	13	2
Total	878					564	64.2	83	9.5	14	1.6	152	17.3	39	4.4	26	3	661	217



**Table - 16**  
**District-wise Categorisation of Change in Water Level**  
**10 Yrs Mean ( Nov-10 -Nov-19 )- Nov-20**

District	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	0-2	%	2-4	%	>4	%	0-2	%	2-4	%	>4	%		
Alipurduar	16	0.1	2.31	0	1.15	3	18.8	1	6.3	0	0	12	75	0	0	0	0	4	12
Bankura	96	0.01	3.01	0.04	6.27	75	78.1	6	6.3	0	0	12	12.5	2	2.1	1	1	81	15
Birbhum	105	0.09	4.84	0	8.6	55	52.4	5	4.8	2	1.9	32	30.5	6	5.7	5	4.8	62	43
Dakshin Dinajpur	16	0.26	3.65	0.04	0.32	10	62.5	3	18.8	0	0	3	18.8	0	0	0	0	13	3
Darjeeling	32	0.05	2.65	0.01	1.3	13	40.6	2	6.3	0	0	17	53.1	0	0	0	0	15	17
Haora	13	0.09	0.68	0.28	2	8	61.5	0	0	0	0	4	30.8	1	7.7	0	0	8	5
Hugli	42	0.11	4.93	0	9.37	20	47.6	2	4.8	1	2.4	15	35.7	2	4.8	2	4.8	23	19
Jalpaiguri	40	0.01	0.41	0	1.65	14	35	0	0	0	0	26	65	0	0	0	0	14	26
Jhargram	18	0.4	5.51	0.03	0.88	10	55.6	1	5.6	1	5.6	6	33.3	0	0	0	0	12	6
Kochbehar	22	0.01	0.37	0.03	1.25	13	59.1	0	0	0	0	9	40.9	0	0	0	0	13	9
Malda	36	0.3	3.28	0.08	0.25	27	75	6	16.7	0	0	3	8.3	0	0	0	0	33	3
Murshidabad	56	0.13	16.59	0.13	9.11	17	30.4	3	5.4	11	19.6	15	26.8	3	5.4	7	12.5	31	25
Nadia	73	0.08	3.83	0.04	1.39	49	67.1	12	16.4	0	0	12	16.4	0	0	0	0	61	12
North 24 Parganas	89	0.02	4.04	0.02	2.76	45	50.6	1	1.1	1	1.1	38	42.7	4	4.5	0	0	47	42
Paschim Barddhaman	46	0.09	2.89	0.12	9.4	27	58.7	3	6.5	0	0	14	30.4	1	2.2	1	2.2	30	16
Paschim Medinipur	49	0.09	11.31	0.11	6.2	27	55.1	2	4.1	2	4.1	11	22.4	5	10.2	2	4.1	31	18
Purba Barddhaman	46	0.02	2.92	0.02	6.54	24	52.2	2	4.3	0	0	13	28.3	4	8.7	3	6.5	26	20
Purba Medinipur	35	0.36	8.12	0.08	10.99	8	22.9	6	17.1	3	8.6	7	20	6	17.1	5	14.3	17	18
Purulia	81	0.05	2.79	0.08	2.53	68	84	5	6.2	0	0	7	8.6	1	1.2	0	0	73	8
South 24 Parganas	35	0.01	0.85	0.03	5	8	22.9	0	0	0	0	17	48.6	8	22.9	2	5.7	8	27
Uttar Dinajpur	12	0.13	1.39	2.24	2.24	11	91.7	0	0	0	0	0	0	1	8.3	0	0	11	1
Total	958					532	55.5	60	6.3	21	2.2	273	28.5	44	4.6	28	2.9	613	345

Table - 17

**District-wise Categorisation of Change in Water Level**

10 Yrs Mean ( Jan-11 - Jan-20 ) - Jan-21

District	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	0-2	%	2-4	%	>4	%	0-2	%	2-4	%	>4	%		
Alipurduar	13	0.04	0.42	0.02	0.42	7	53.8	0	0	0	0	6	46.2	0	0	0	0	7	6
Bankura	92	0	2.88	0.02	2.31	62	67.4	4	4.3	0	0	24	26.1	2	2.2	0	0	66	26
Birbhum	120	0.01	3.88	0.03	8.34	66	55	3	2.5	0	0	41	34.2	8	6.7	2	1.7	69	51
Dakshin Dinajpur	17	0.12	2.94	0.03	3.79	8	47.1	2	11.8	0	0	6	35.3	1	5.9	0	0	10	7
Darjeeling	33	0.07	3.51	0.04	1.81	10	30.3	2	6.1	0	0	21	63.6	0	0	0	0	12	21
Haora	16	0.03	1.21	0.04	2.21	10	62.5	0	0	0	0	5	31.3	1	6.3	0	0	10	6
Hugli	43	0.02	3.79	0.02	4.05	21	48.8	4	9.3	0	0	15	34.9	2	4.7	1	2.3	25	18
Jalpaiguri	37	0.02	2.41	0.09	2.2	21	56.8	1	2.7	0	0	14	37.8	1	2.7	0	0	22	15
Jhargram	10	0.07	1.56	0.26	0.52	7	70	0	0	0	0	3	30	0	0	0	0	7	3
Kochbehar	21	0.02	1.83	0.02	1.28	8	38.1	0	0	0	0	13	61.9	0	0	0	0	8	13
Maldah	36	0.04	4.47	0.1	1.66	21	58.3	7	19.4	2	5.6	6	16.7	0	0	0	0	30	6
Murshidabad	53	0.01	20.7	0.13	7	30	56.6	2	3.8	2	3.8	10	18.9	5	9.4	4	7.5	34	19
Nadia	74	0.04	4.06	0.02	4.36	35	47.3	2	2.7	1	1.4	34	45.9	1	1.4	1	1.4	38	36
North Twentyfour	91	0.03	3.41	0.01	5.16	43	47.3	5	5.5	0	0	35	38.5	6	6.6	2	2.2	48	43
Paschim Barddhaman	52	0	5.42	0.05	4.86	25	48.1	1	1.9	3	5.8	20	38.5	2	3.8	1	1.9	29	23
Paschim Medinipur	51	0.04	8.53	0.06	3.6	19	37.3	7	13.7	10	19.6	10	19.6	5	9.8	0	0	36	15
Purba Barddhaman	45	0.07	4.42	0.04	4.74	18	40	1	2.2	1	2.2	20	44.4	3	6.7	2	4.4	20	25
Purba Medinipur	23	0.05	6.2	0.59	18.76	10	43.5	0	0	3	13	4	17.4	2	8.7	4	17.4	13	10
Purulia	84	0.02	2.44	0.02	2.59	55	65.5	3	3.6	0	0	24	28.6	2	2.4	0	0	58	26
South Twentyfour	43	0.28	5.46	0.21	16	8	18.6	1	2.3	1	2.3	12	27.9	14	32.6	7	16.3	10	33
Uttar Dinajpur	16	0.03	2.59	0.04	1.9	7	43.8	4	25	0	0	5	31.3	0	0	0	0	11	5
Total	970					491	50.6	49	5.1	23	2.4	328	33.8	55	5.7	24	2.5	563	407

**Table - 18**

**Districtwise Well Frequency for Different Ranges of Depth to Water Level of Kolkata**

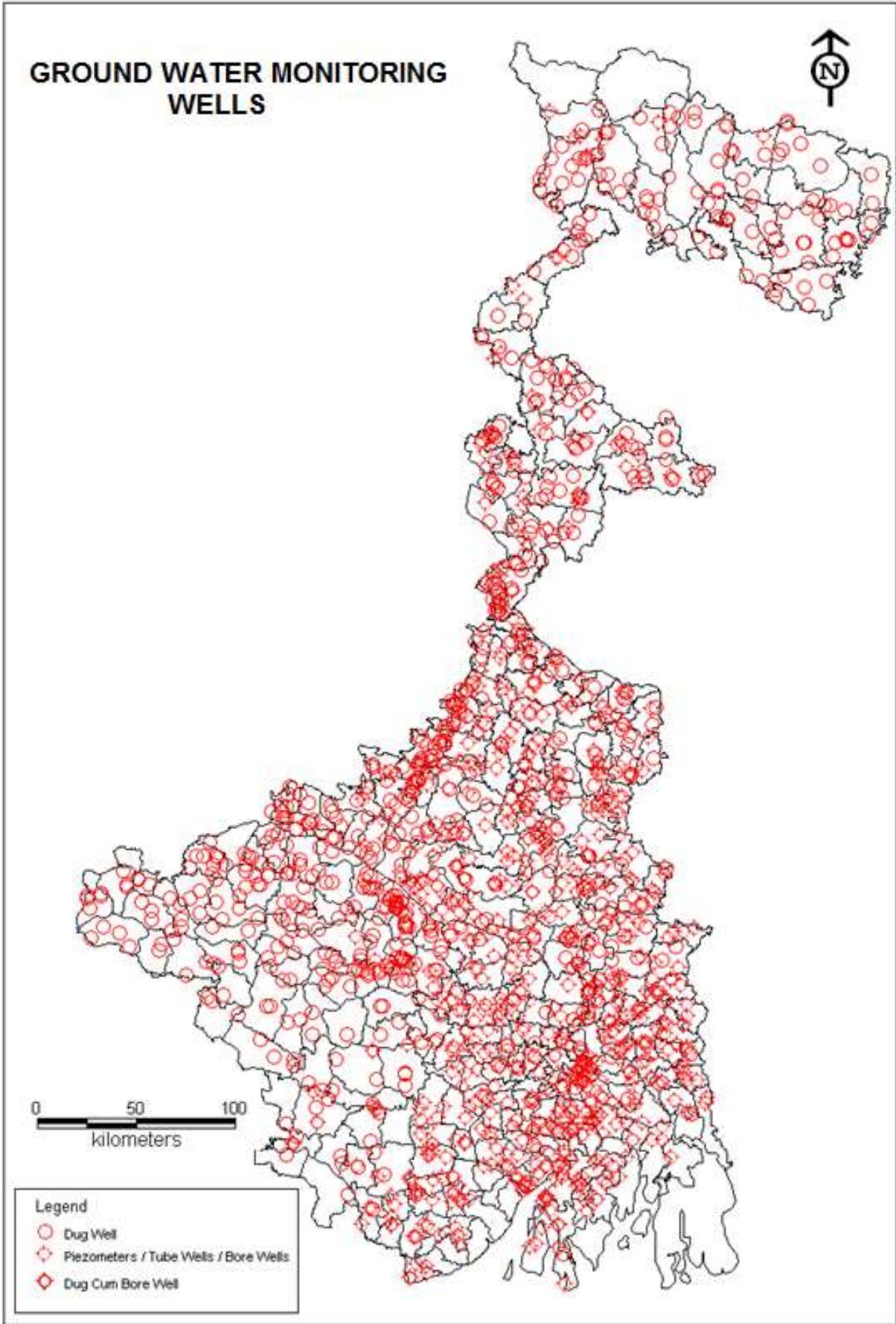
**Month / Year: June-2020**

District	No. of Wells analysed	Depth to Water level (mbgl)		No. / Percentage of Wells Showing Depth to Water Table (mbgl) in the Range of									
		Min.	Max.	0-2	%	2-5	%	5-10	%	10-20	%	20-40	%
Kolkata	23	0.55	20.75	3	13	0	0	0	0	18	78.3	2	8.7

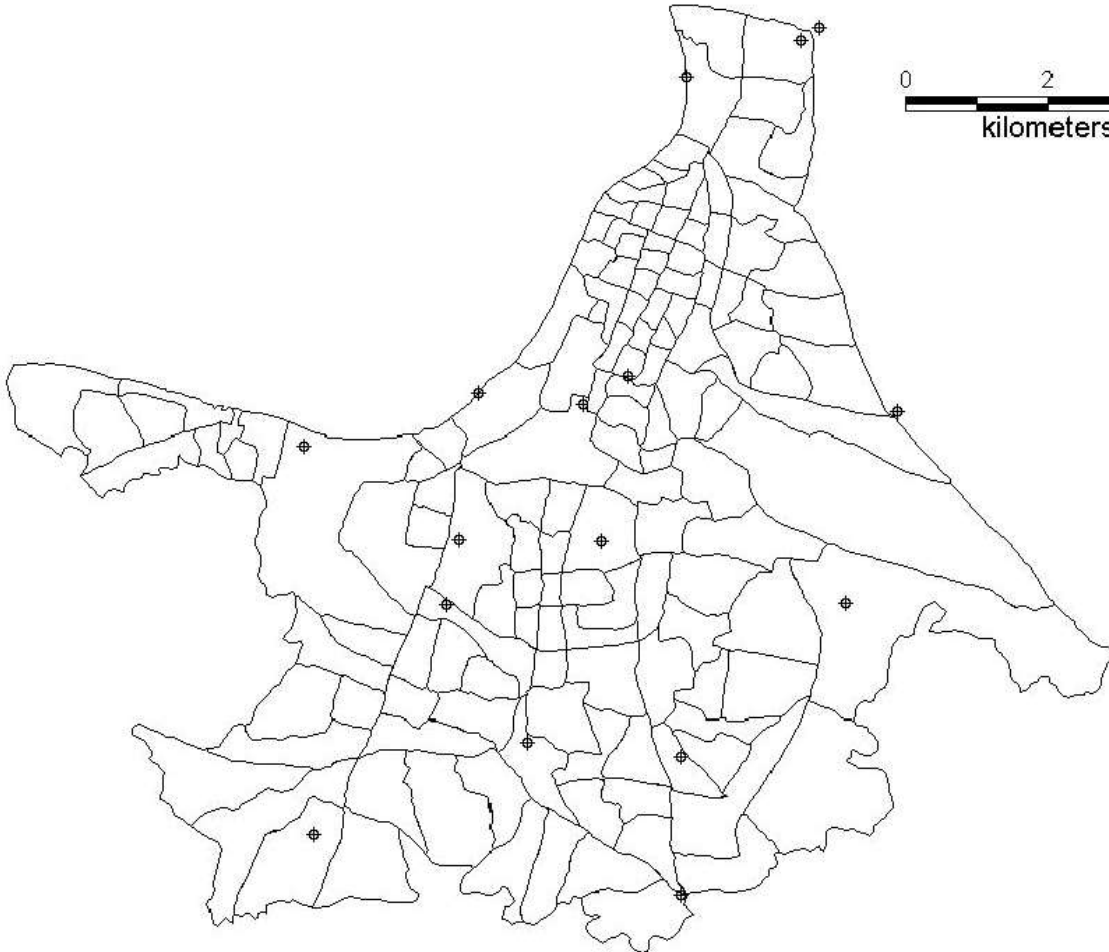
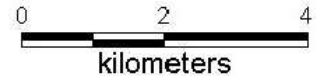
**Month / Year: Nov-2020**

District	No. of Wells analysed	Depth to Water level (mbgl)		No. / Percentage of Wells Showing Depth to Water Table (mbgl) in the Range of									
		Min.	Max.	0-2	%	2-5	%	5-10	%	10-20	%	20-40	%
Kolkata	28	1.32	19.55	2	7.1	2	7.1	0	0.0	24	85.7	0	0.0

PLATE – I  
GROUND WATER MONITORING WELLS IN WEST BENGAL



**PLATE – II**  
**GROUND WATER MONITORING WELLS IN KMC AREA**



**LEGEND**

○ DUG WELLS

⊕ PIEZOMETERS / TUBE WELLS

### DEPTH TO WATER LEVEL MAP OF WEST BENGAL APRIL 2020

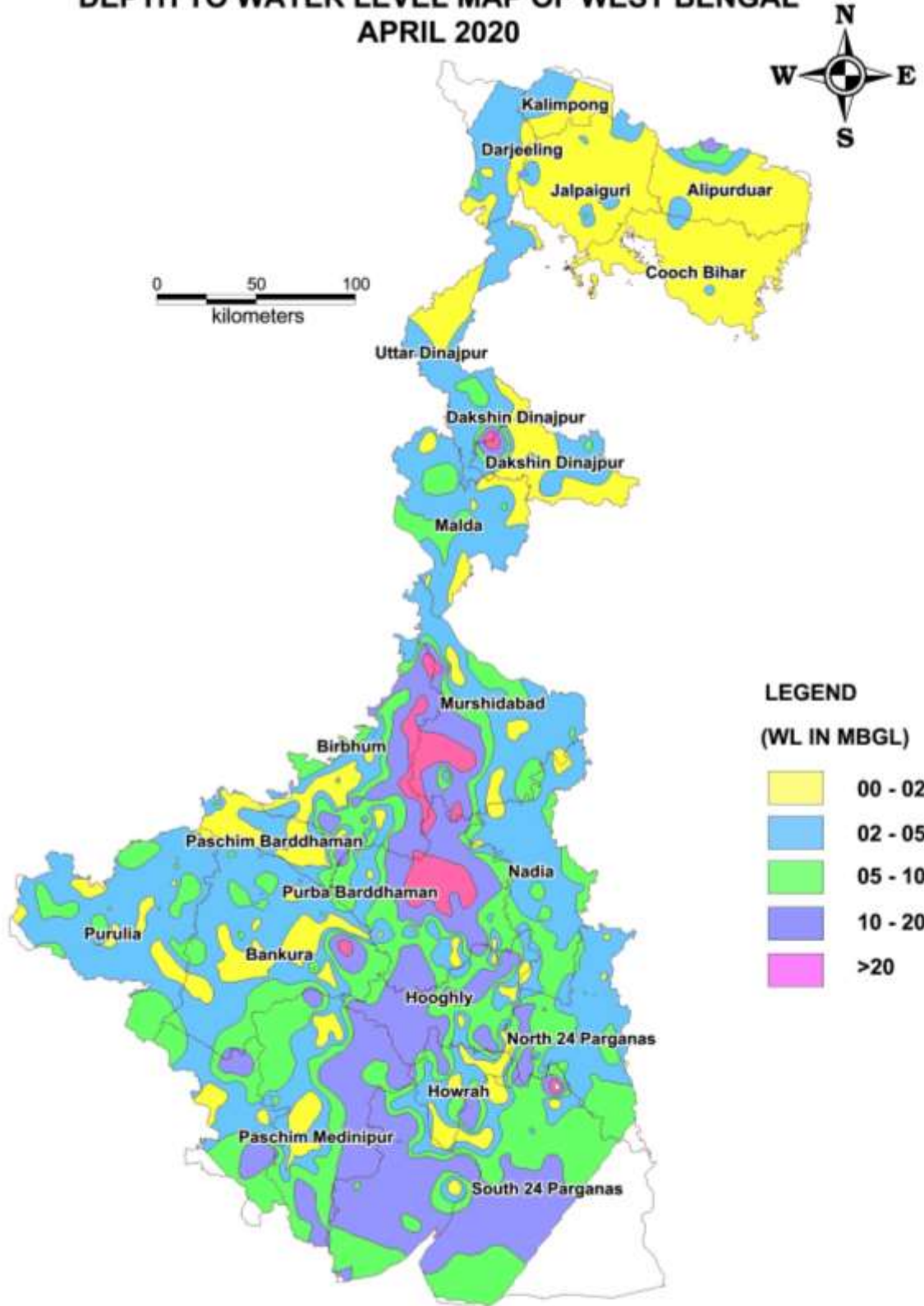


PLATE IV

Depth to Water Level map of West Bengal  
August 2020

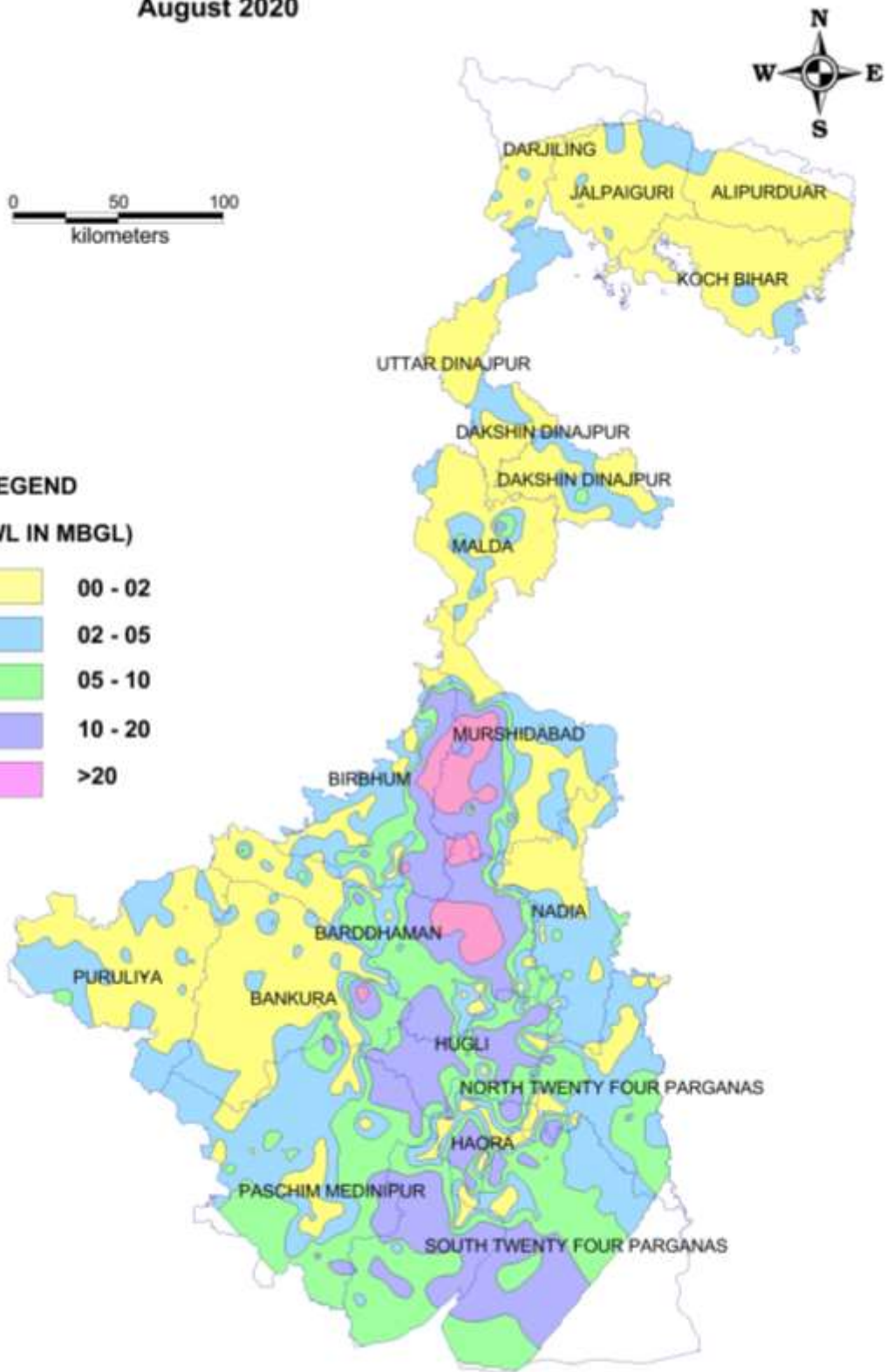


PLATE V

Depth to Water Level map of West Bengal  
November 2020

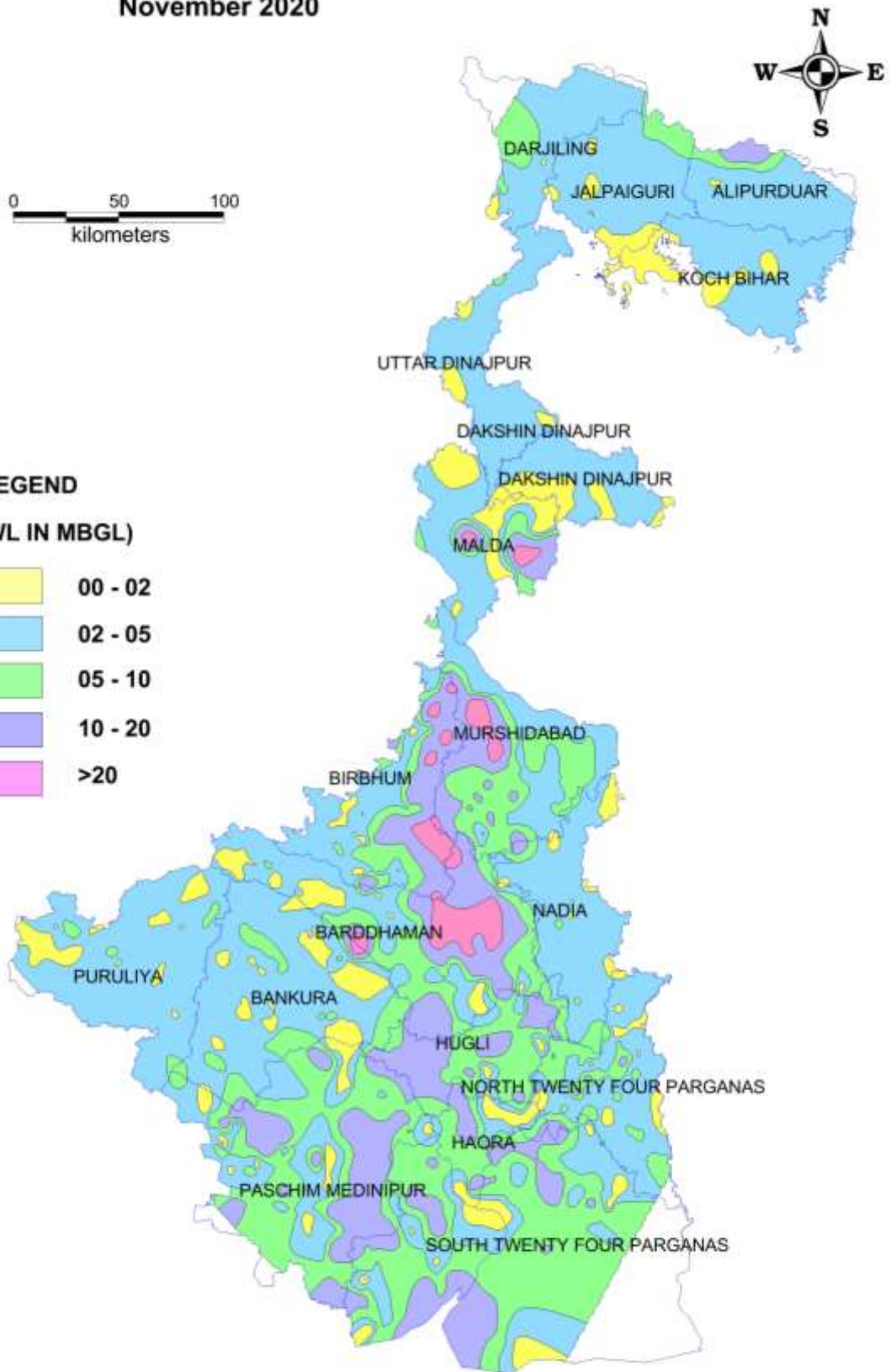




PLATE VI

Depth to Water Level map of West Bengal  
January 2021

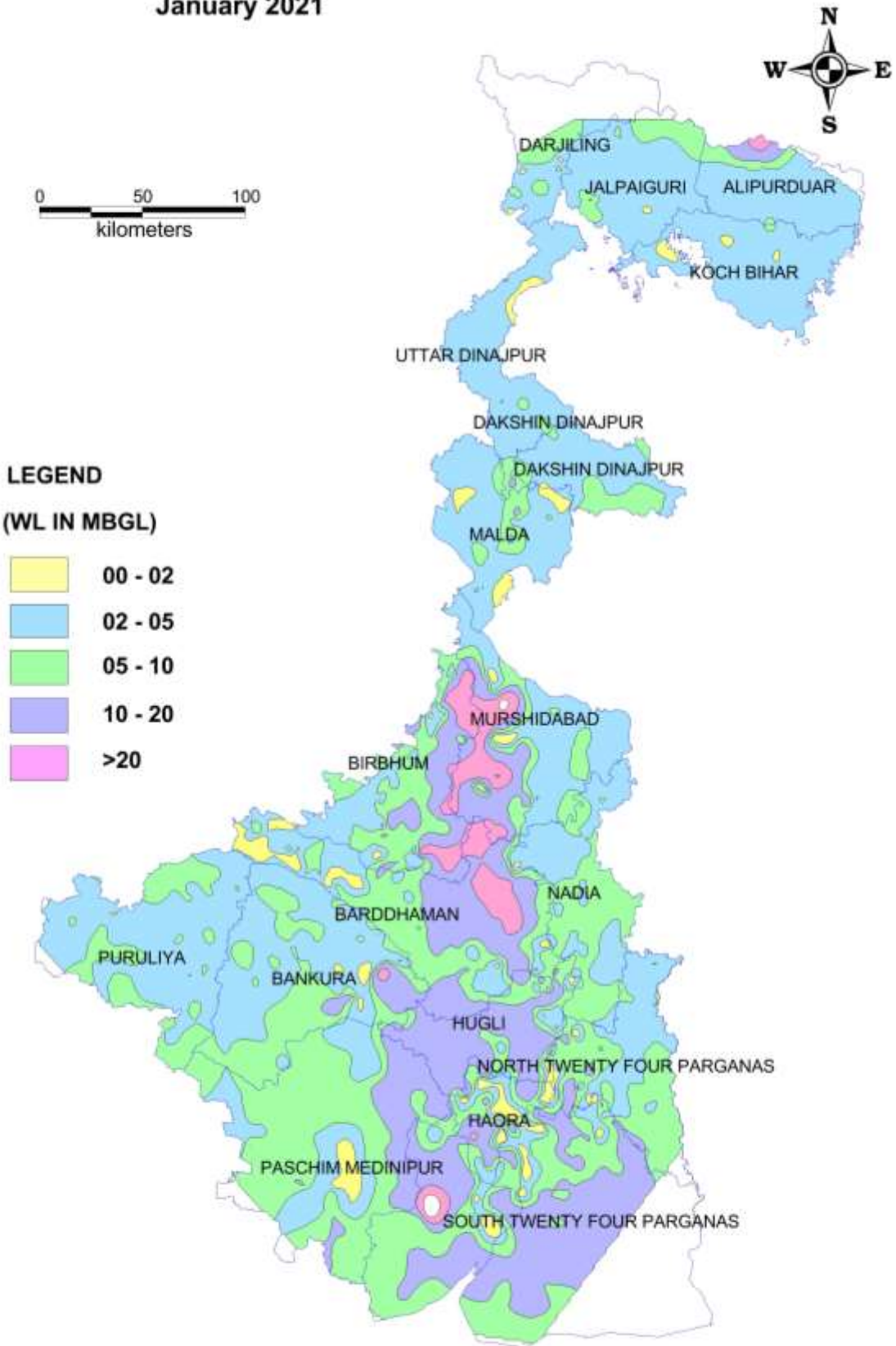


PLATE VII

Water Level Fluctuation map(Annual) of West Bengal  
April 2019 - April 2020

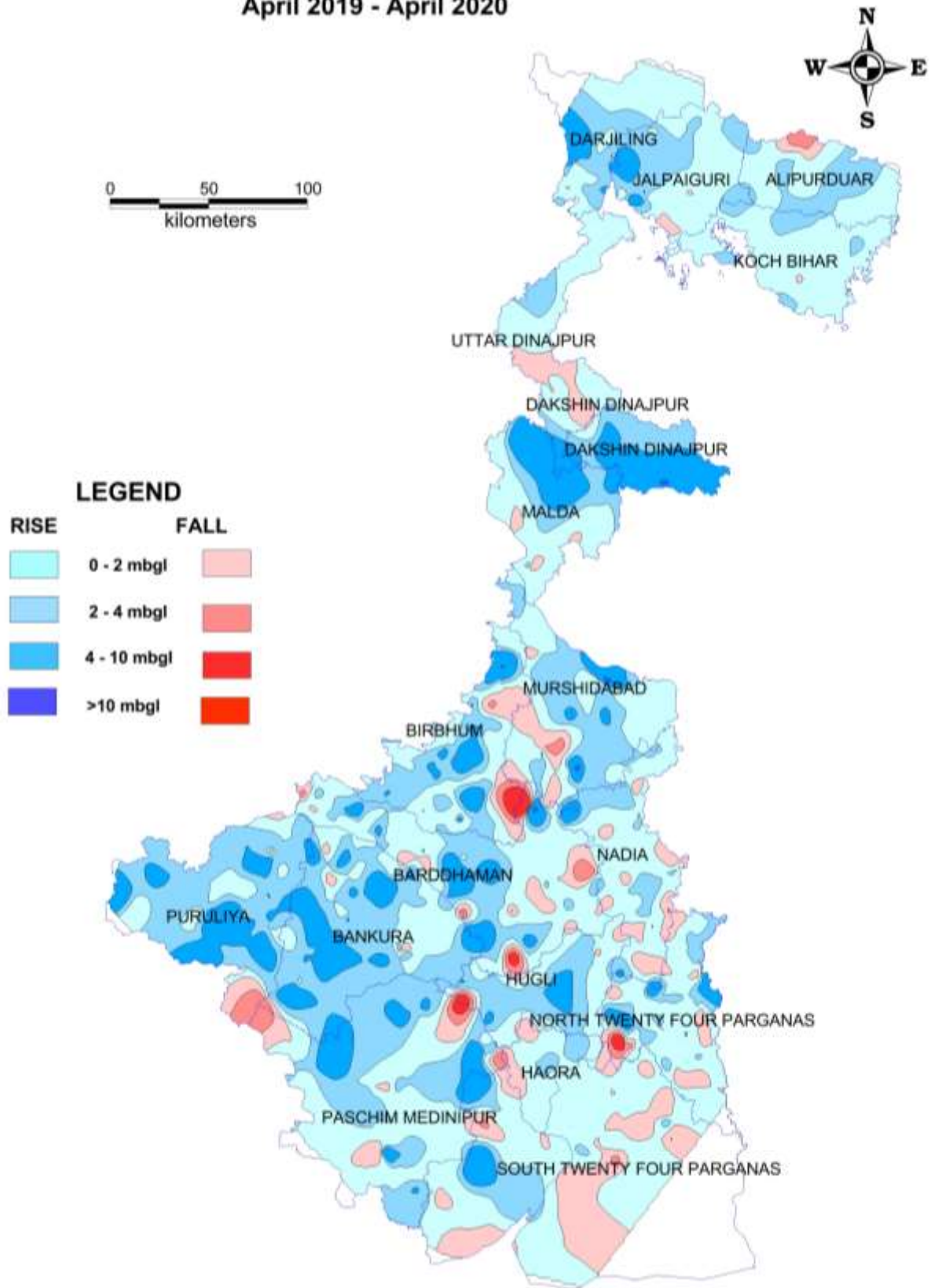


PLATE VIII

Water Level Fluctuation map(Seasonal) of West Bengal  
April 2020 - August 2020

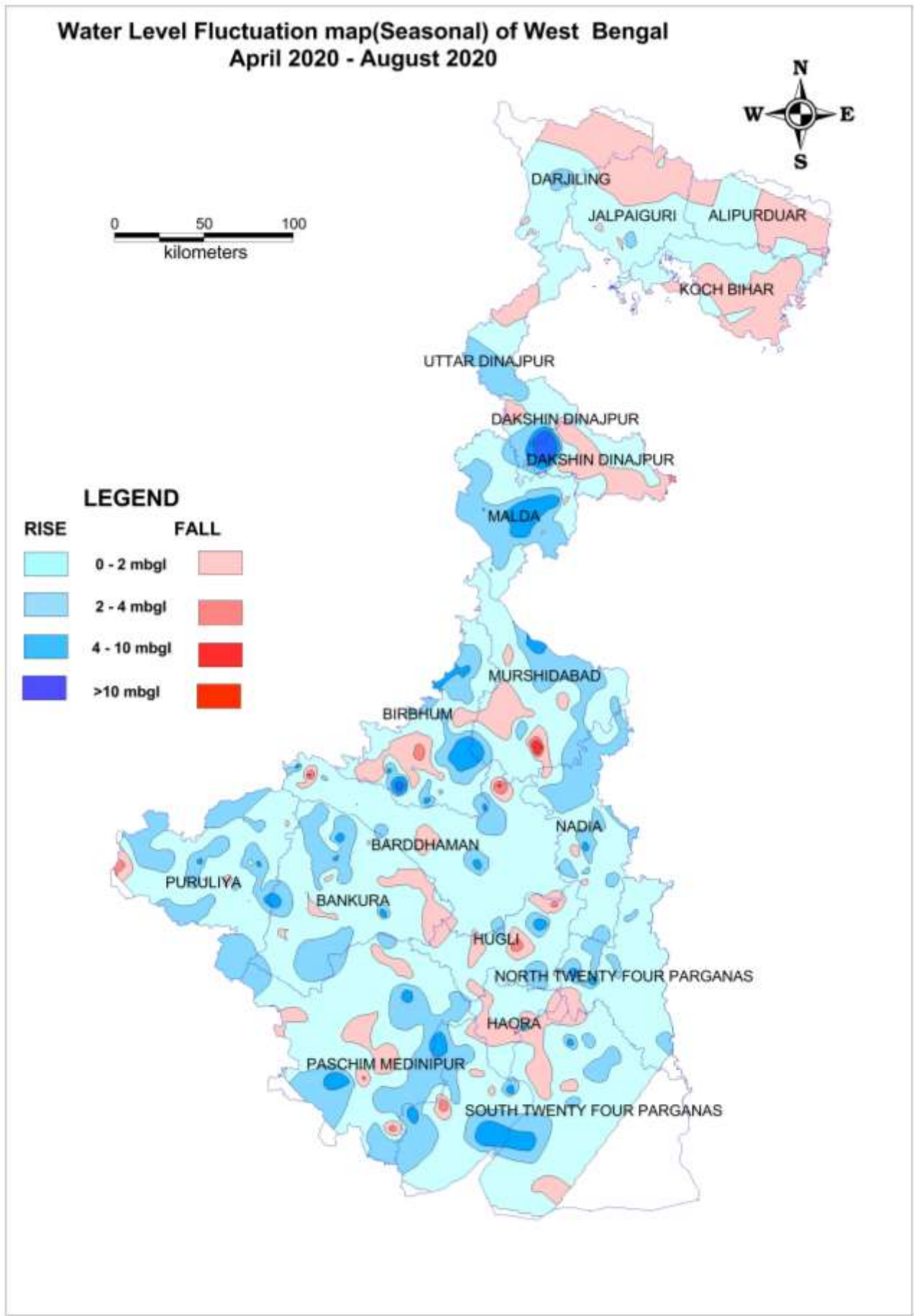


PLATE IX

Water Level Fluctuation map(Seasonal) of West Bengal  
April 2020 - November 2020

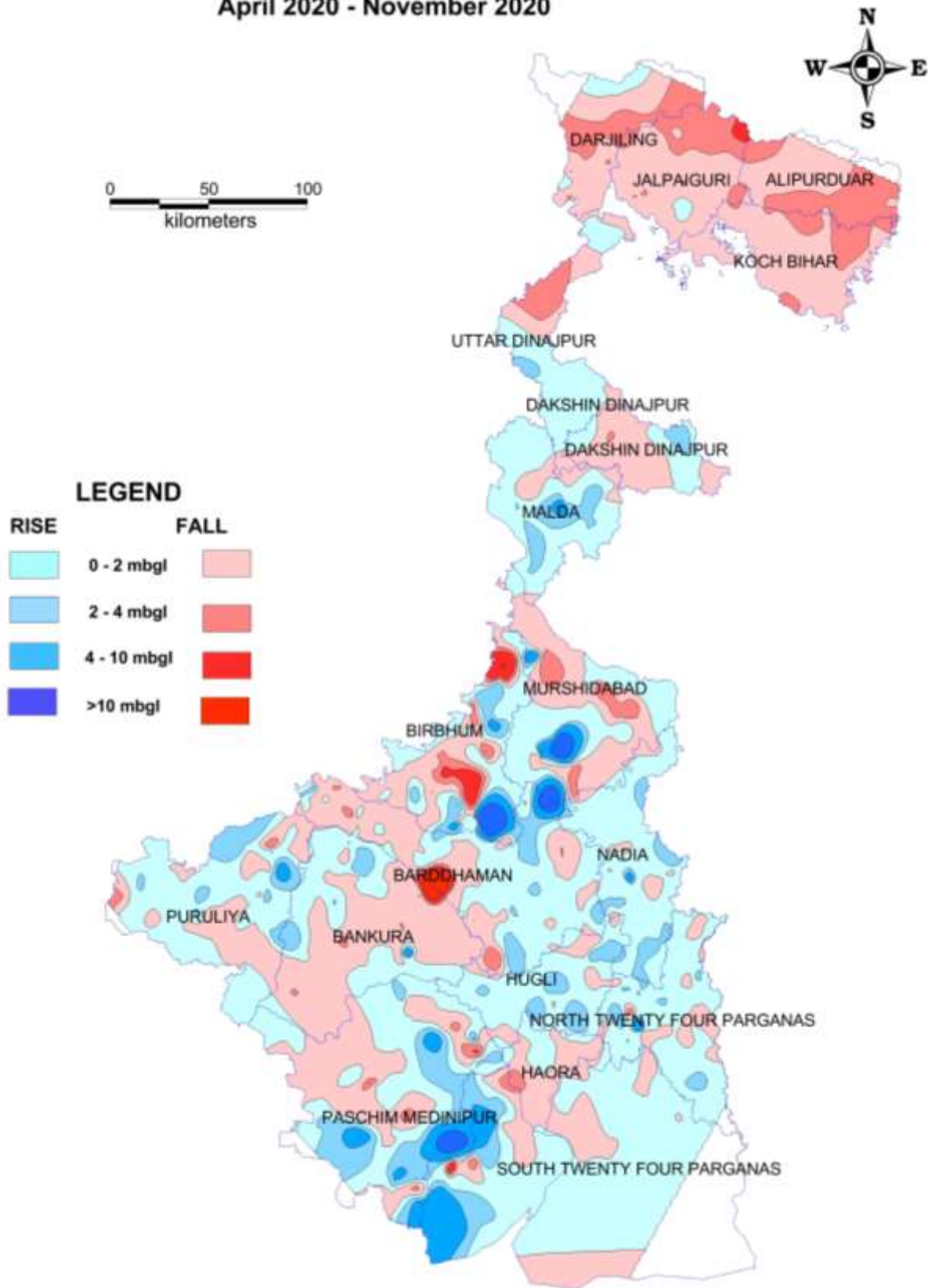


PLATE X

Water Level Fluctuation map(Seasonal) of West Bengal  
April 2020 - January 2021

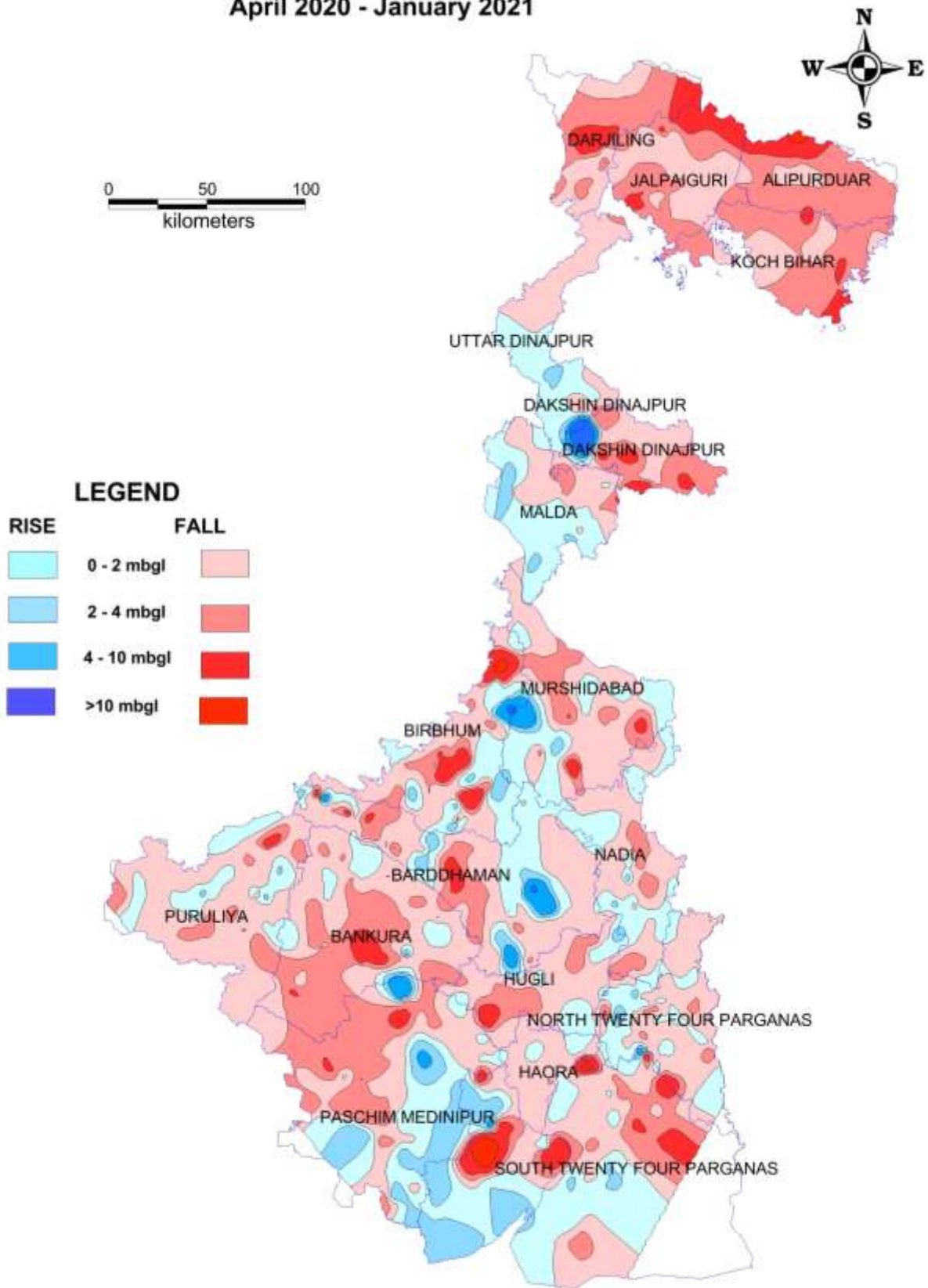


PLATE XI

**Water Level Fluctuation map(Annual) of West Bengal  
August 2019 - August 2020**

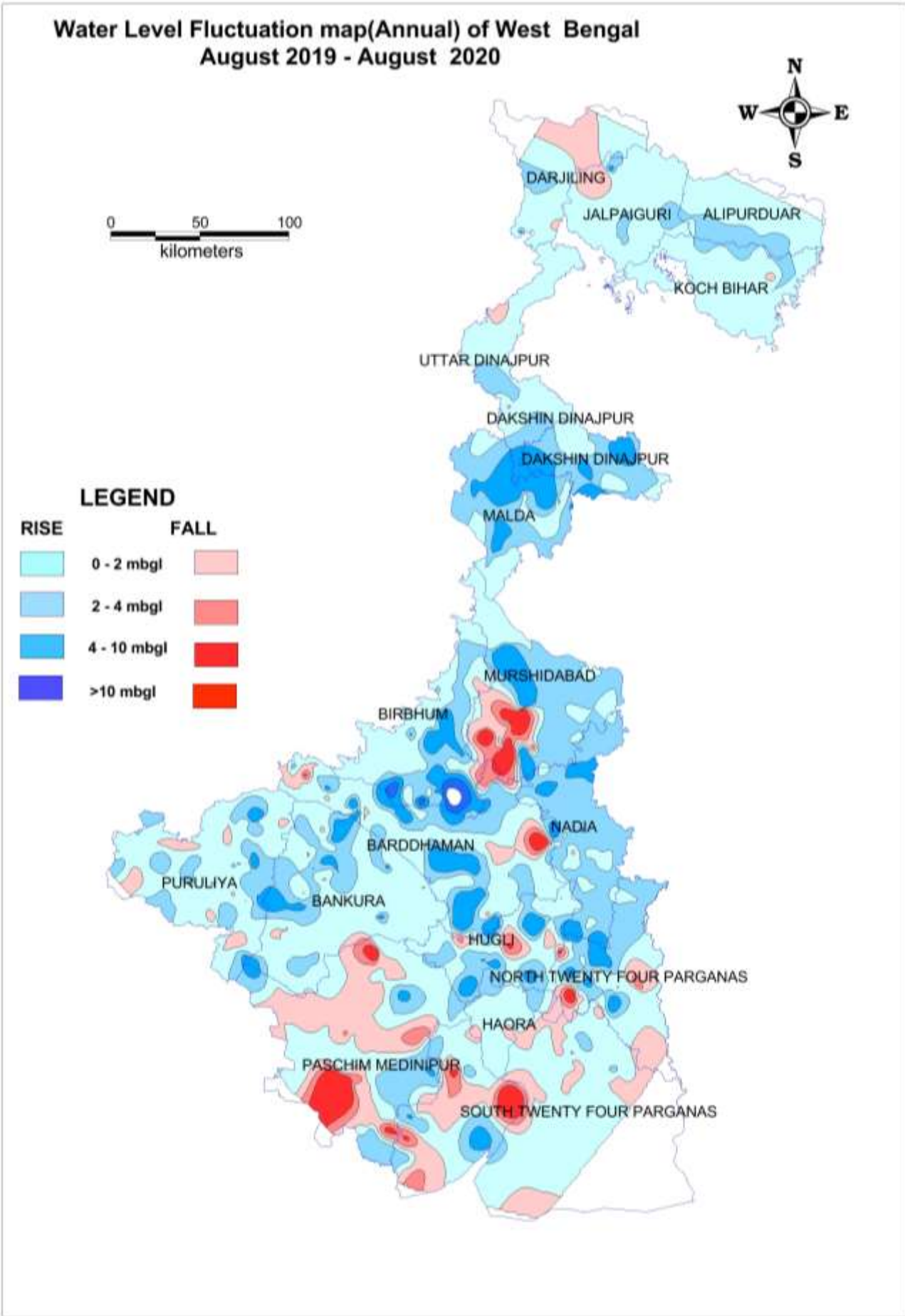


PLATE XII

Water Level Fluctuation map(Annual) of West Bengal  
November 2019 - November 2020

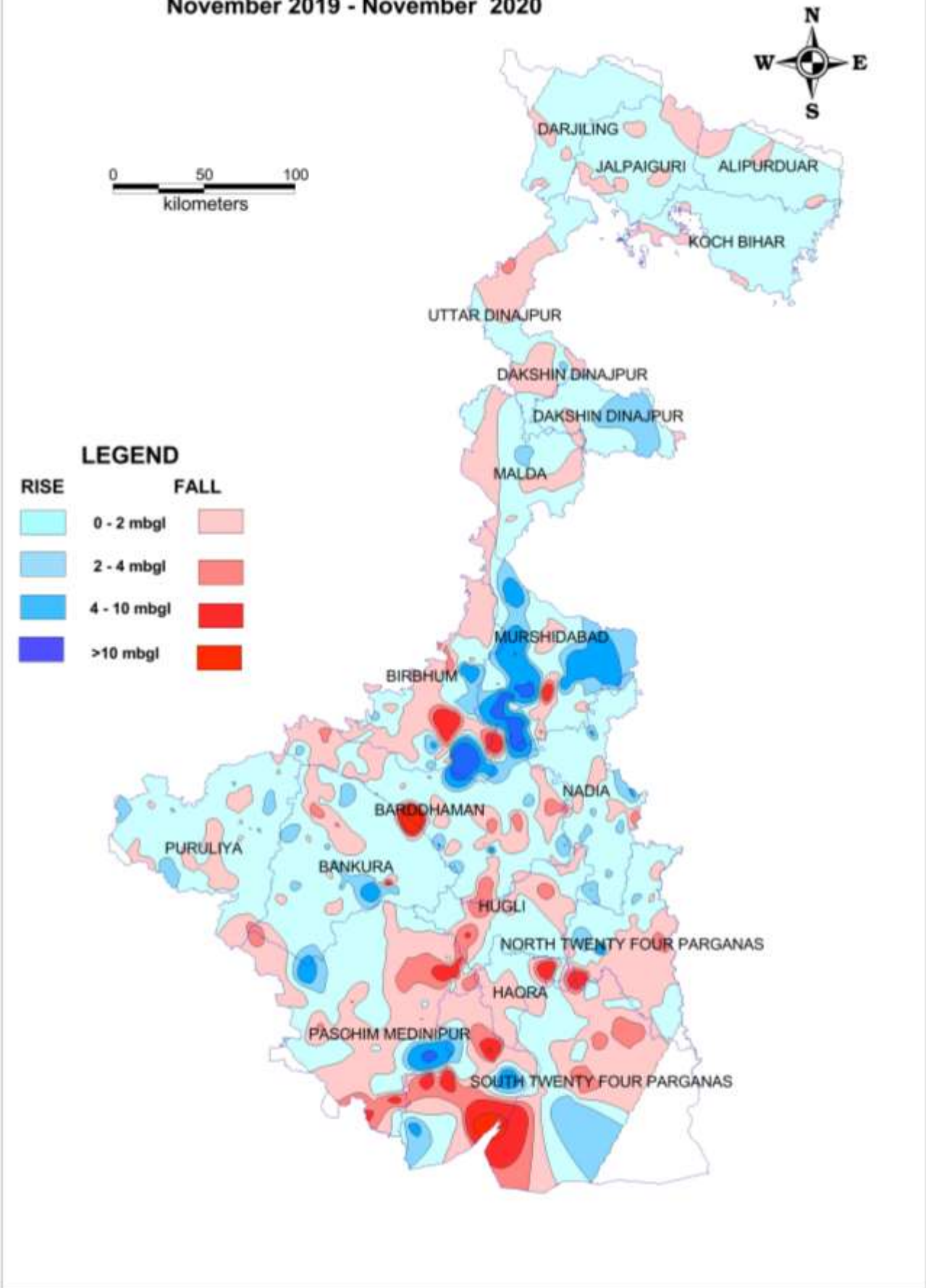


PLATE XIII

Water Level Fluctuation map(Annual) of West Bengal  
January 2020 - January 2021

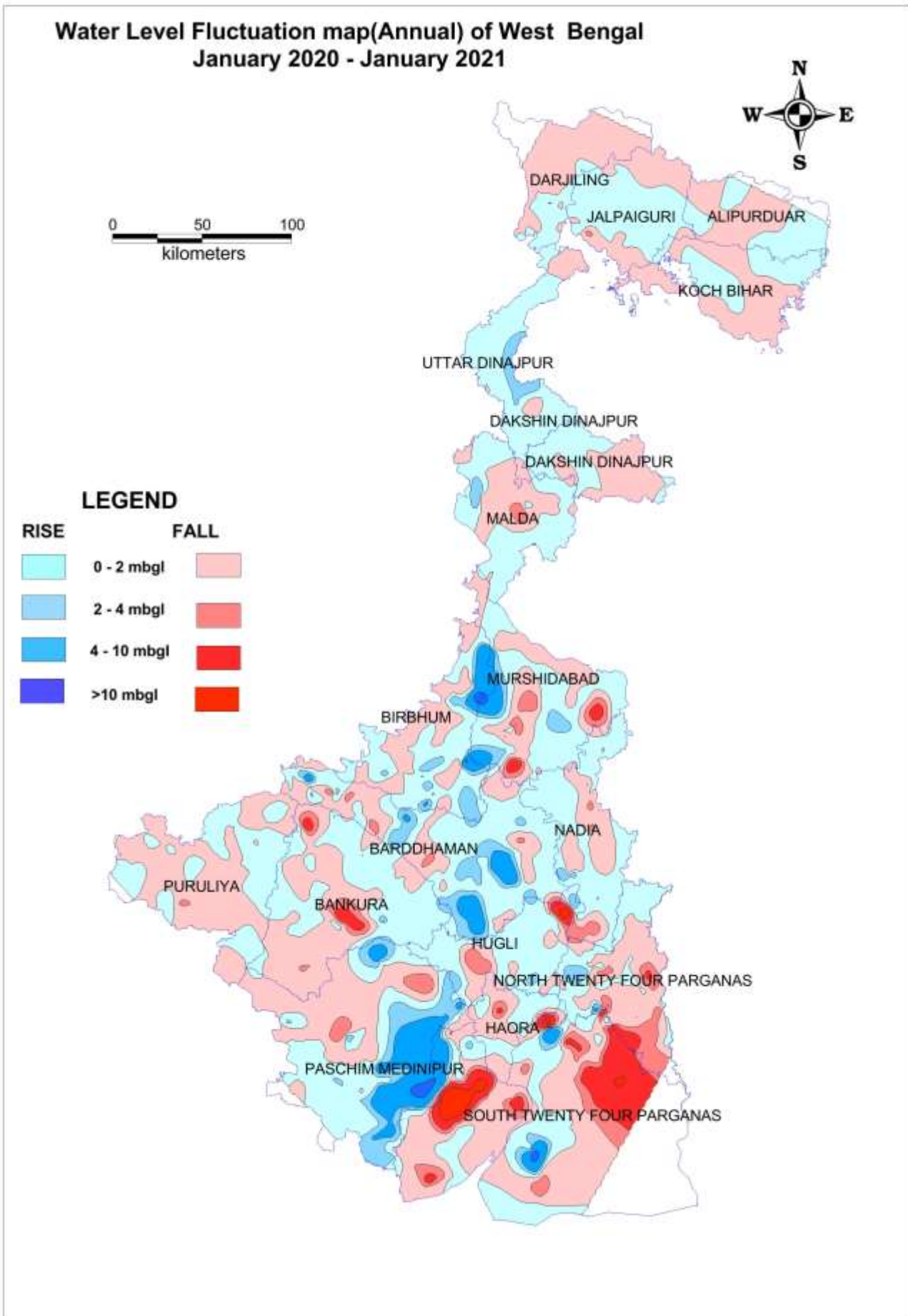




PLATE XIV

Water Level Fluctuation map(Decadal) of West Bengal  
Mean Water level (April 2010 - April 2019) - April 2020

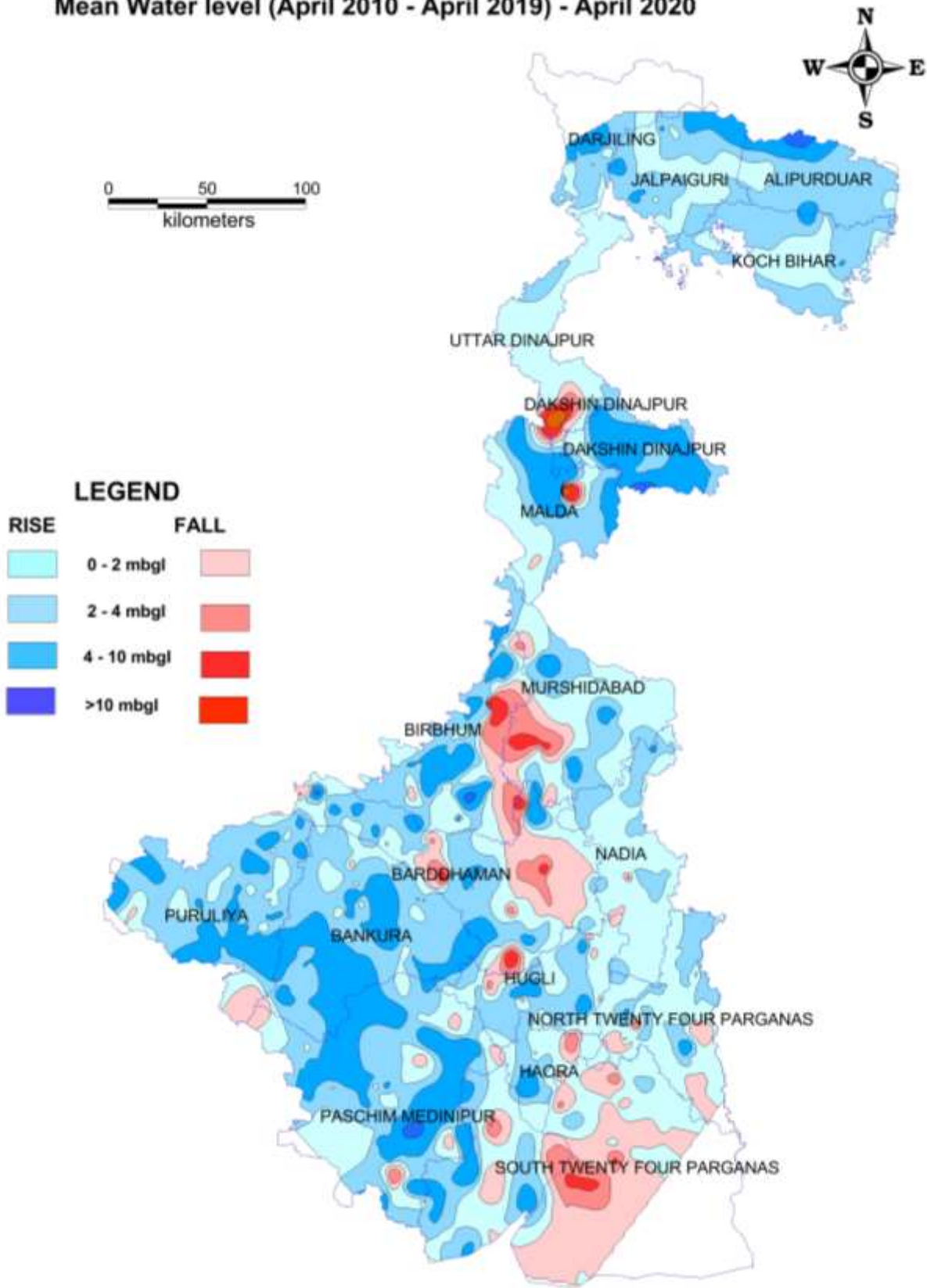


PLATE XV

Water Level Fluctuation map(Decadal) of West Bengal  
Mean Water level (Aug 2010 - Aug 2019) - August 2020

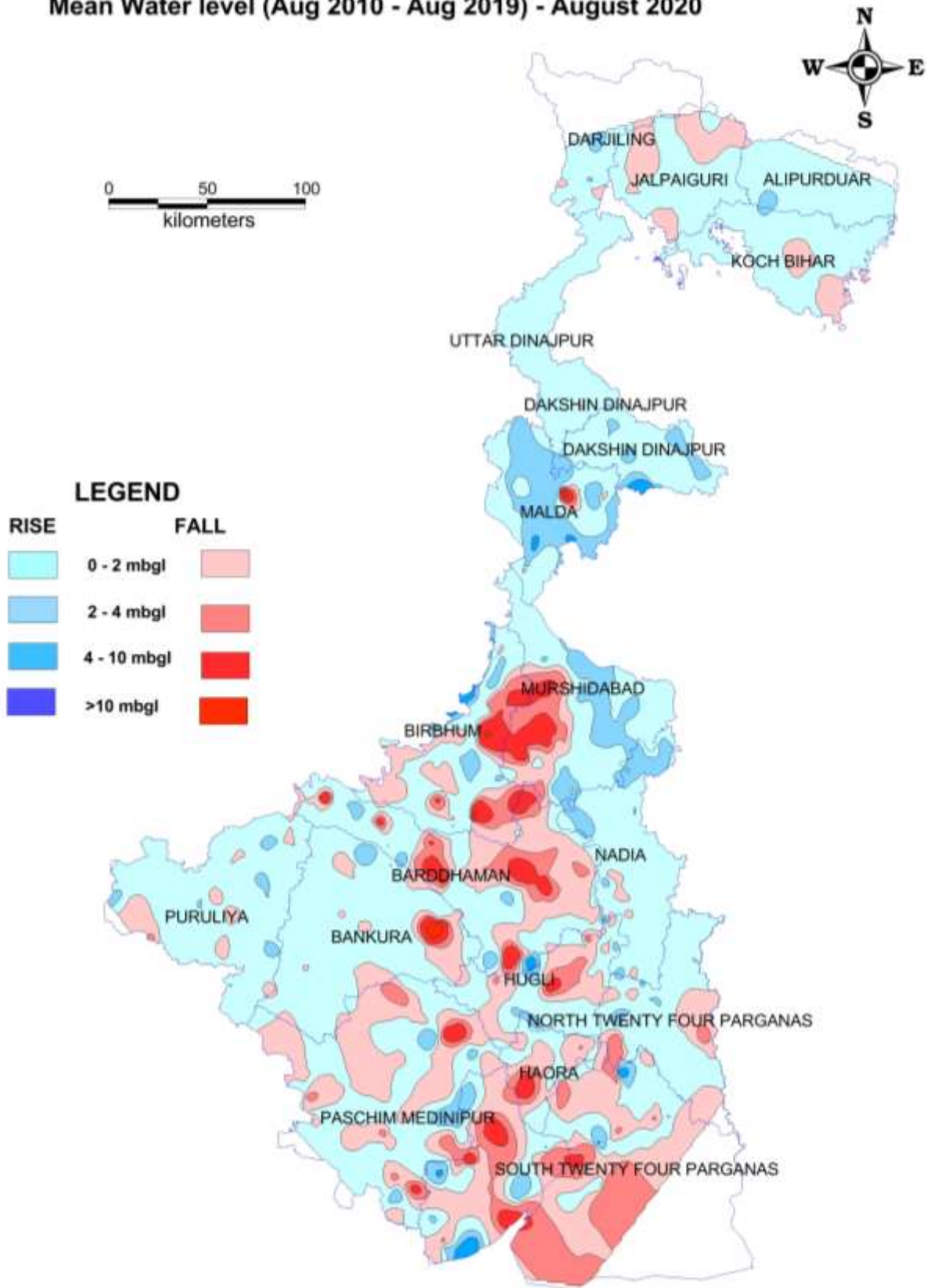
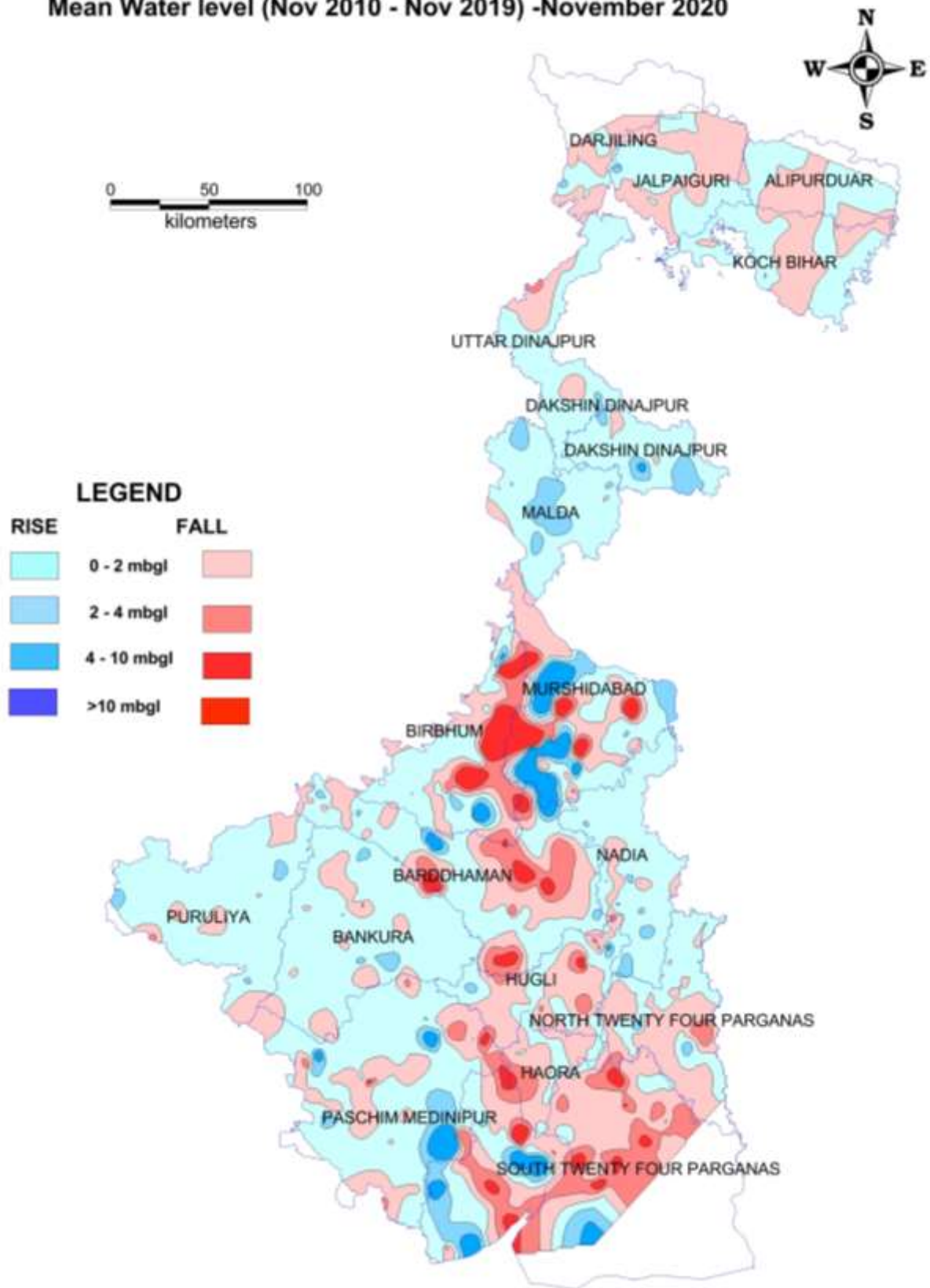


PLATE XVI

Water Level Fluctuation map(Decadal) of West Bengal  
Mean Water level (Nov 2010 - Nov 2019) -November 2020



**Water Level Fluctuation map(Decadal) of West Bengal  
Mean Water level (Jan 2011 - Jan 2020) - January 2021**

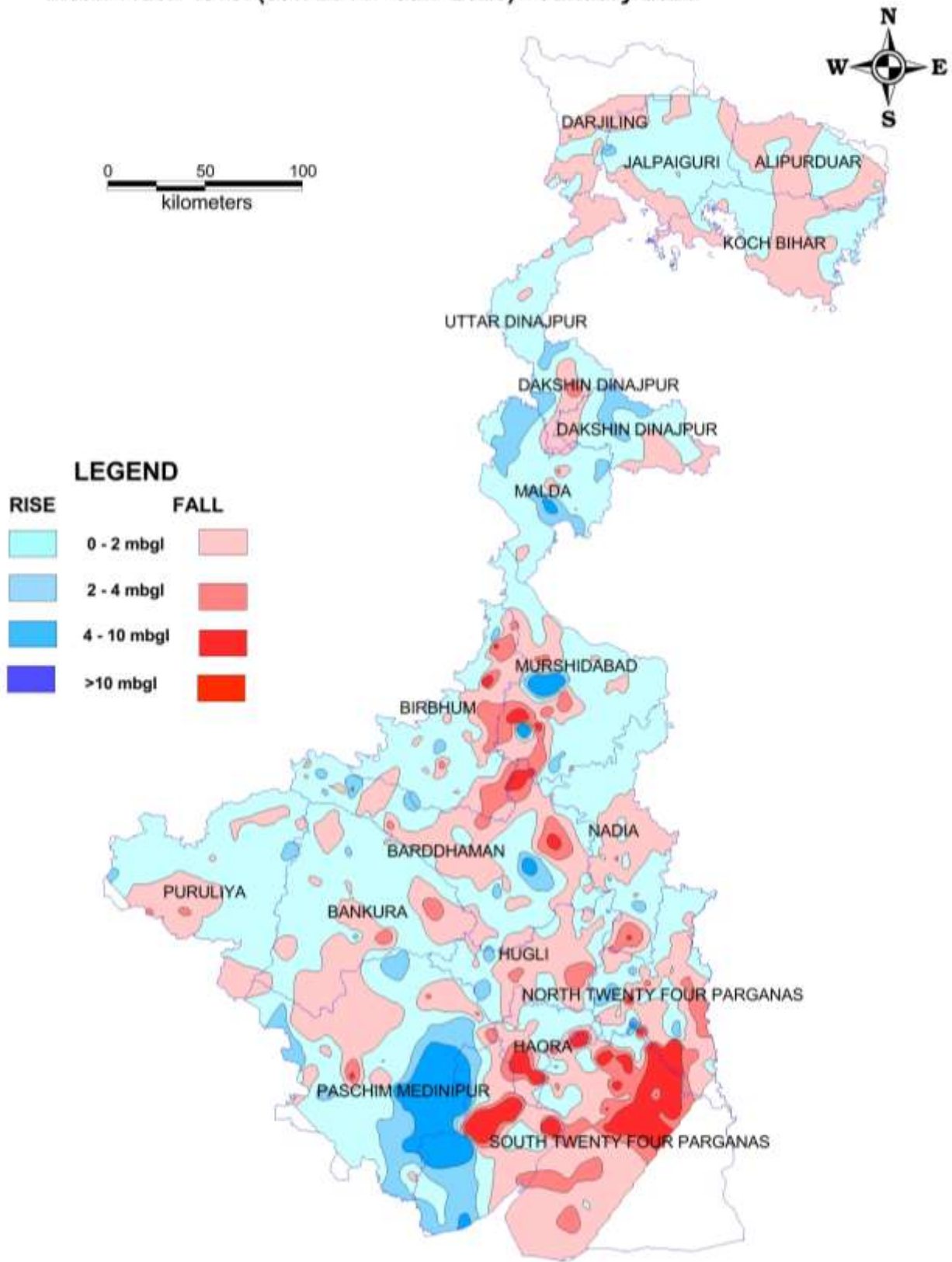


PLATE XVIII

Distribution of Nitrate (mg/L) in Groundwater of West Bengal for 2020-21

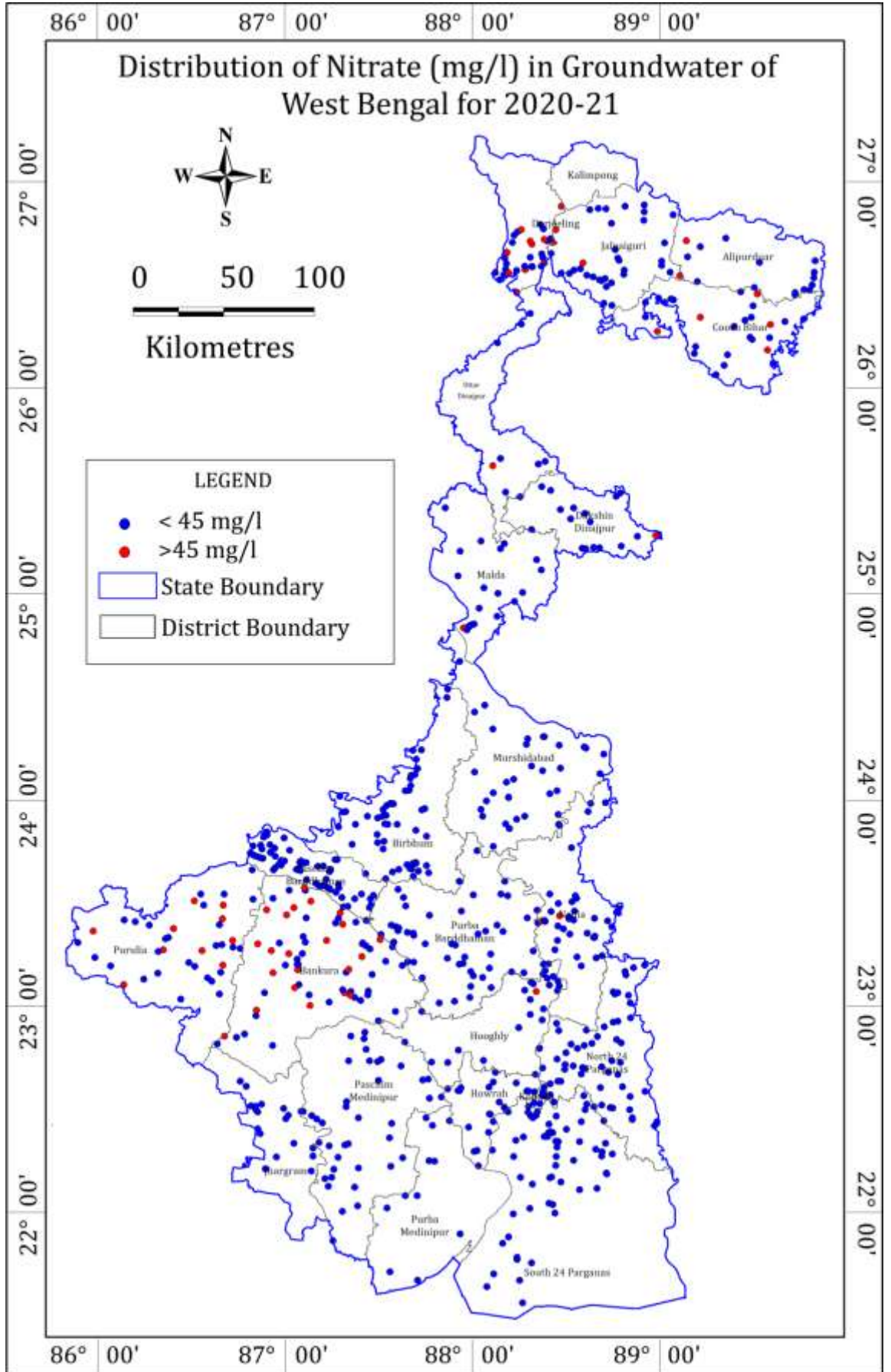
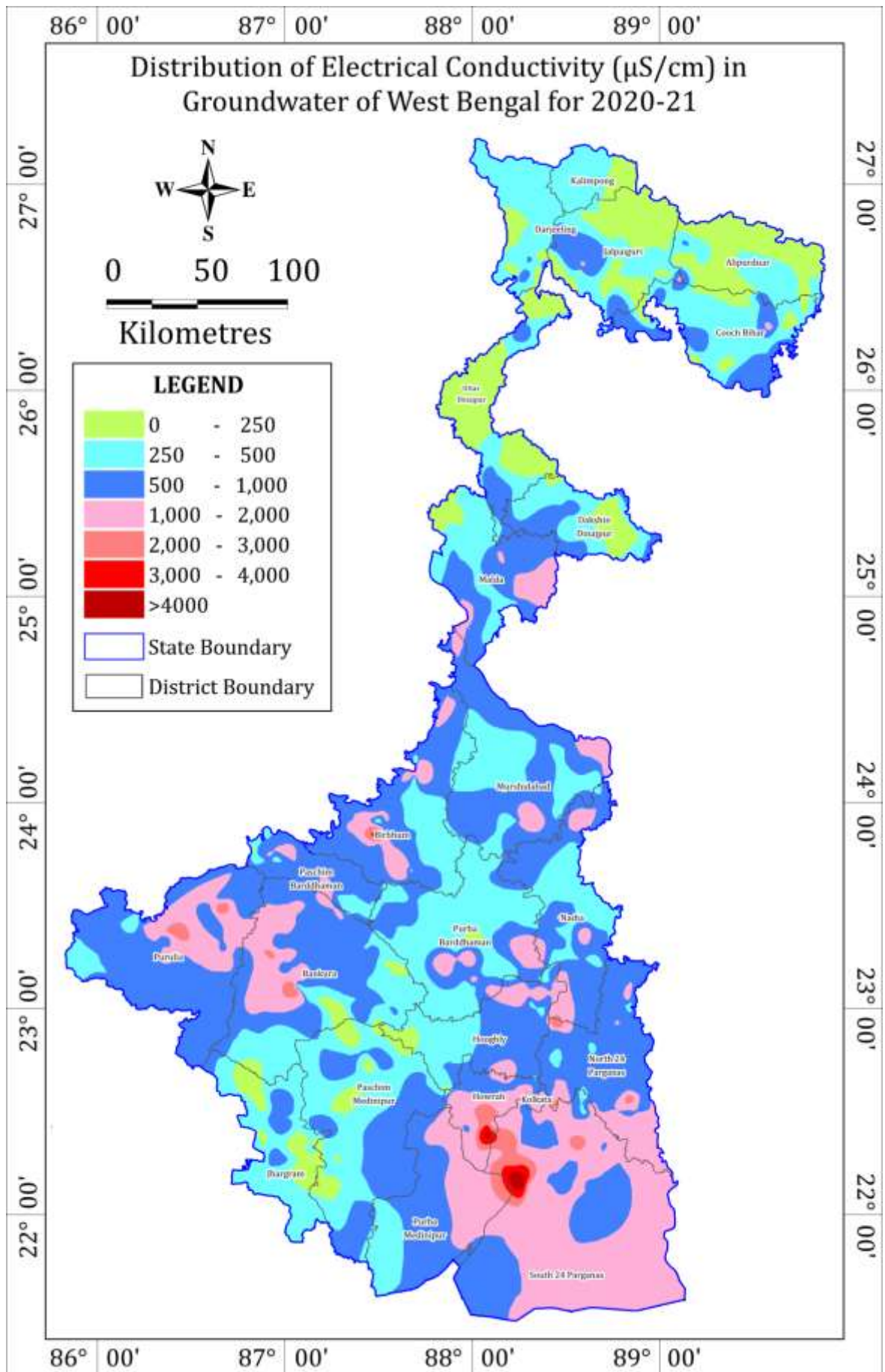
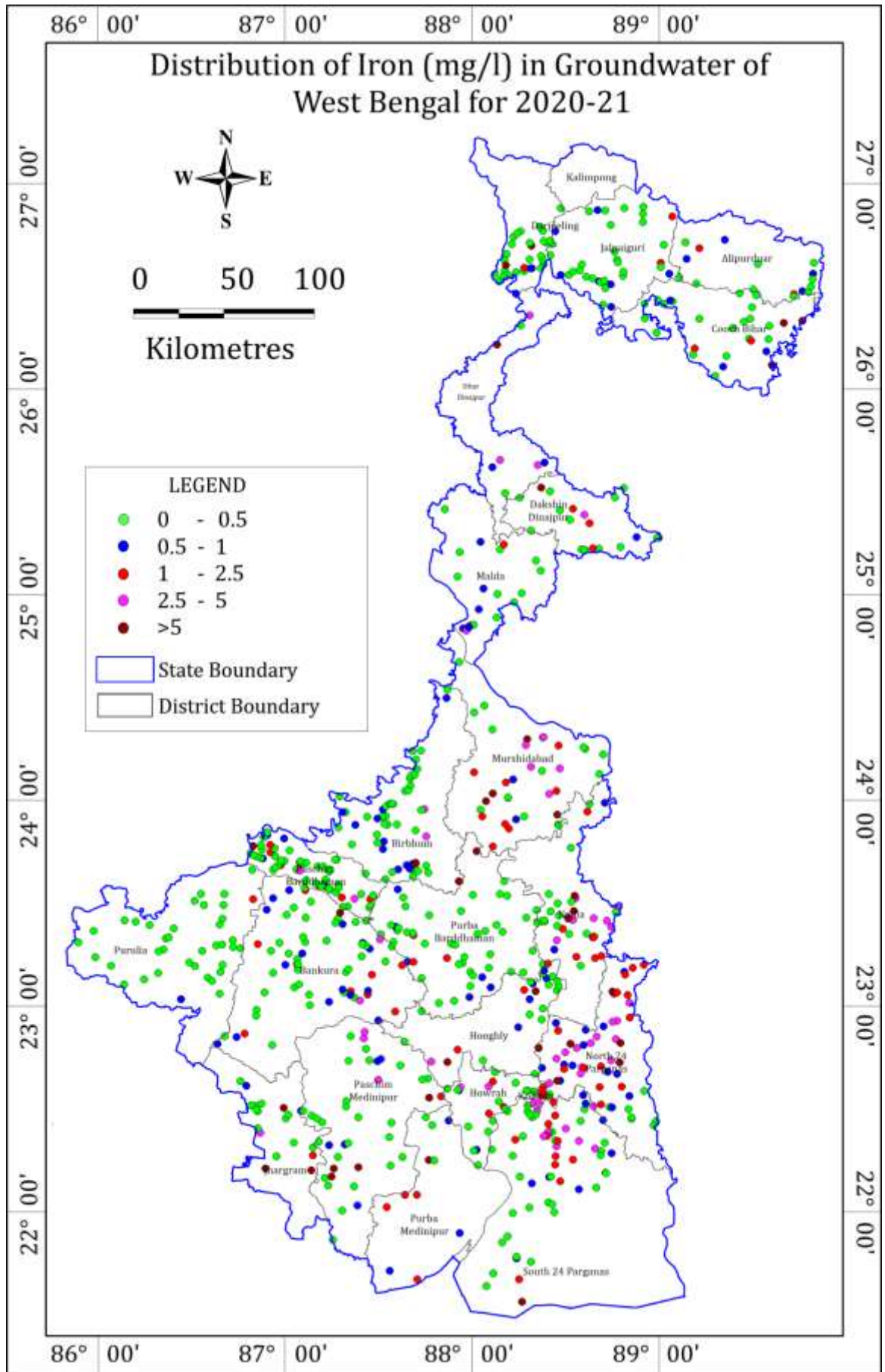


PLATE XIX

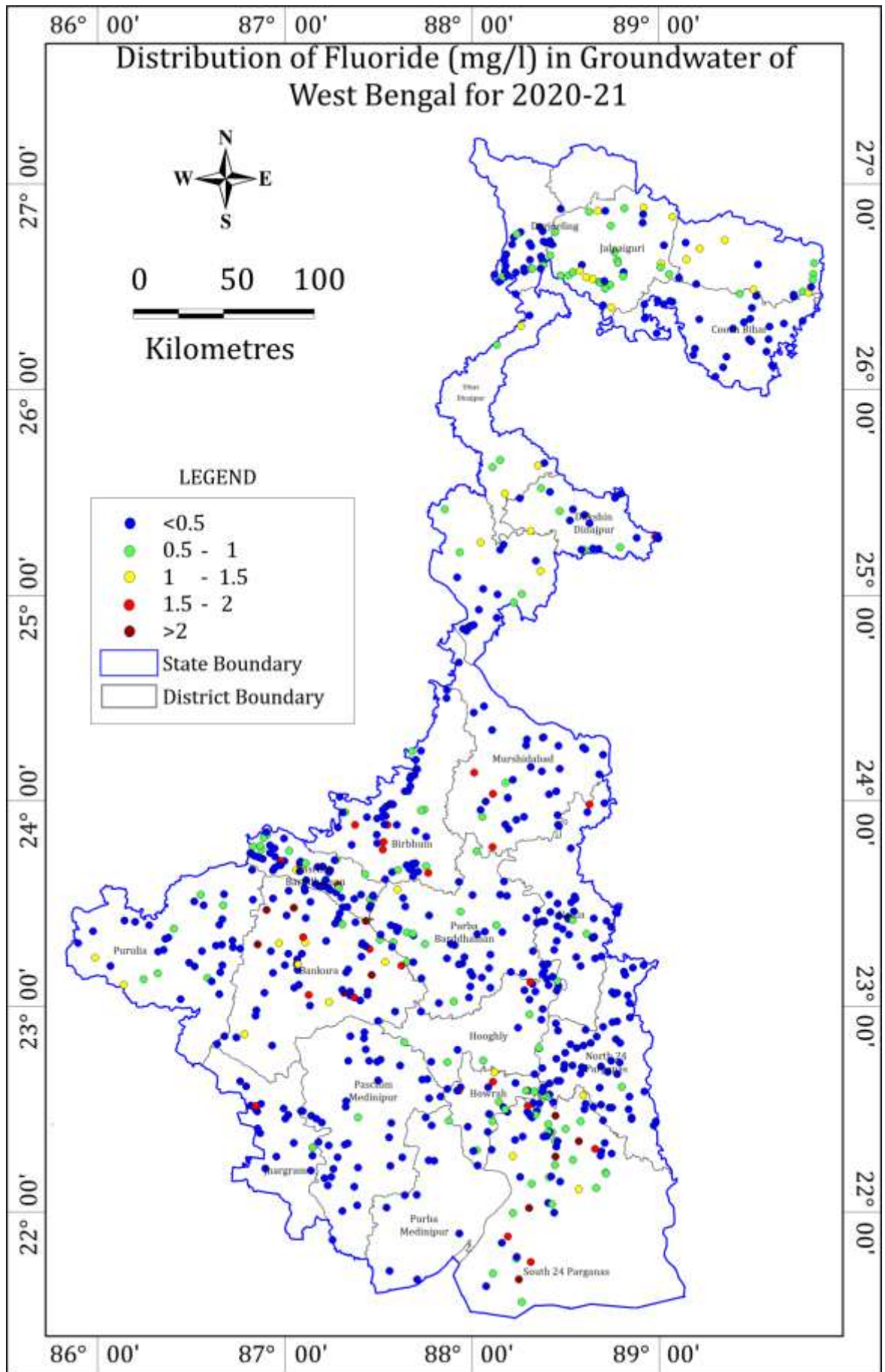
Distribution of Electrical Conductivity ( $\mu\text{S}/\text{cm}$ ) in Groundwater of West Bengal for 2020-21



Distribution of Iron (mg/L) in Groundwater of West Bengal for 2020-21



Distribution of Fluoride (mg/L) in Groundwater of West Bengal for 2020-21





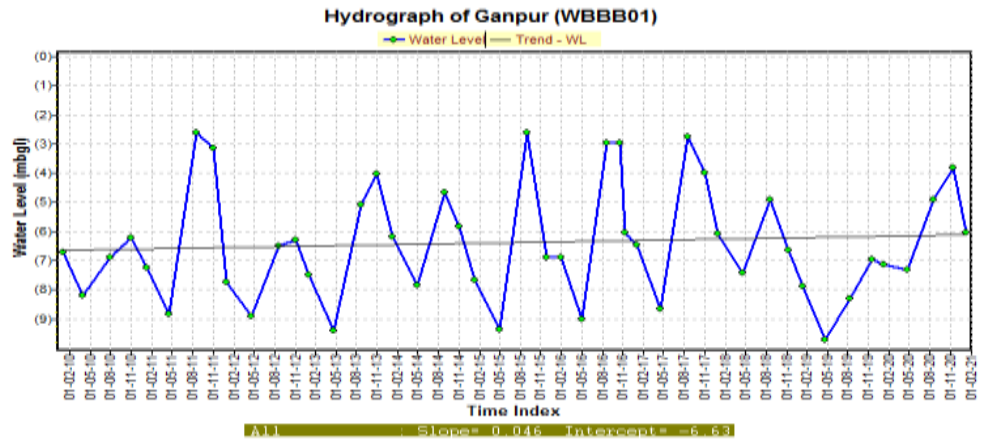
## HYDROGRAPHS

The district wise hydrographs of West Bengal for the period of 2010-2020/2021 are given in Plate-XXII and hydrographs of Kolkata for the period of 2010-2020/2021 are given in Plate-XXIII

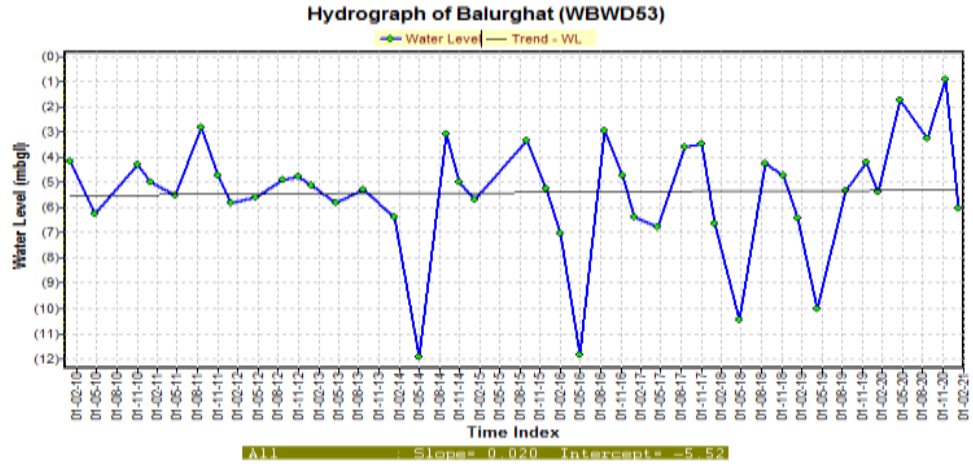
**Plate XXII**  
**Hydrograph of selected GWMS of West Bengal**

District/ Block	
Alipurduar/ Madarihat	<p align="center"><b>Hydrograph of Madarihat (WBJL03)</b></p> <p align="center">All : Slope= 0.032 Intercept= -2.57</p>
Bankura/ Barjora	<p align="center"><b>Hydrograph of Barjora (WBBK01)</b></p> <p align="center">All : Slope= 0.152 Intercept= -3.08</p>
Bardhaman/ Asansol	<p align="center"><b>Hydrograph of Hirapur (WBBM112)</b></p> <p align="center">All : Slope= 0.168 Intercept= -3.00</p>

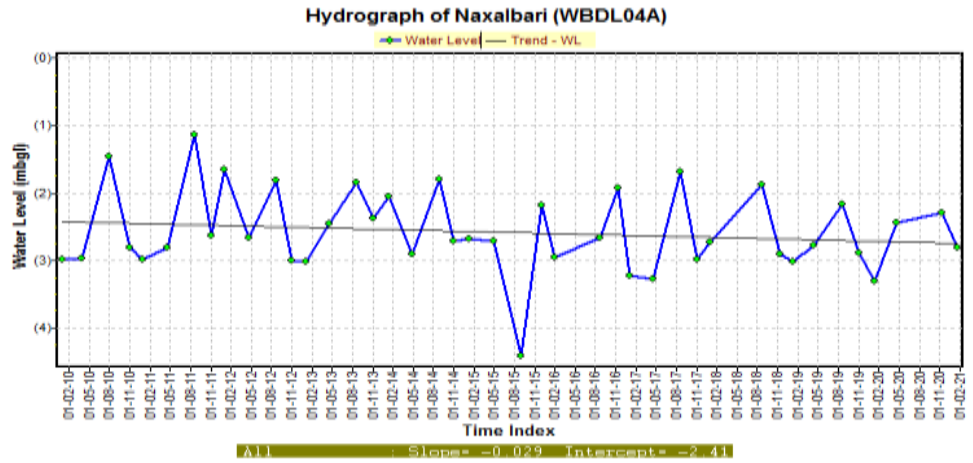
Birbhum/ Mohamad Bazar



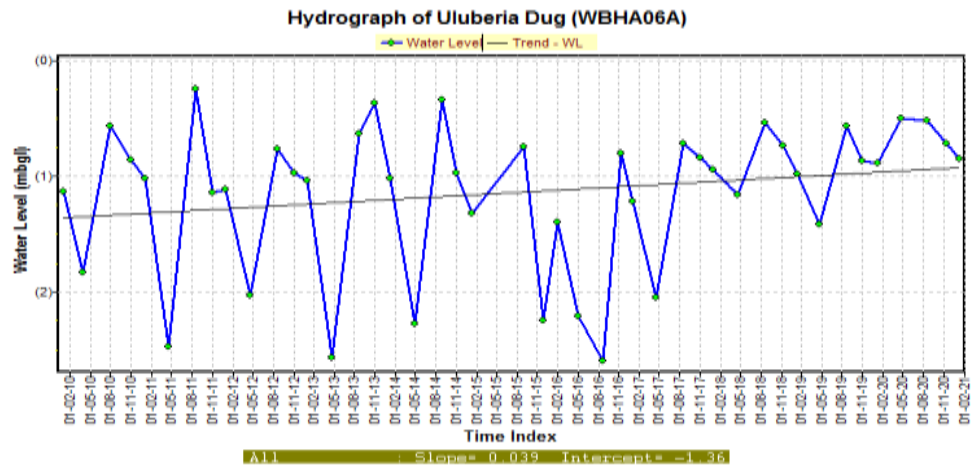
DakshinDinajpur/ Balurghat



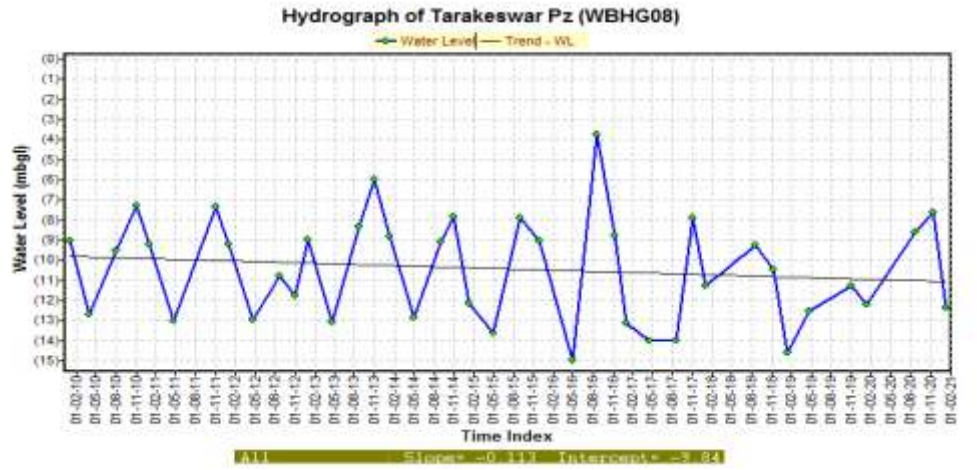
Darjeeling/ Siliguri- Naxalbari



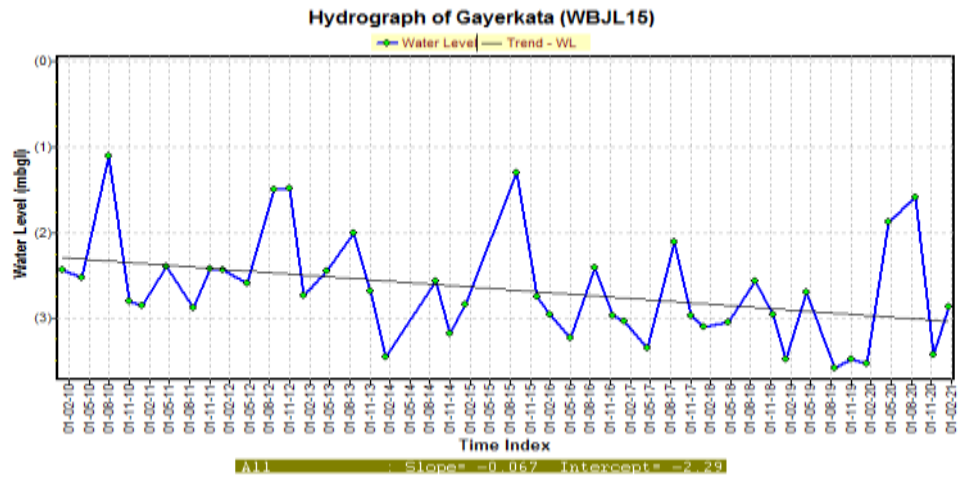
Haora/ Uluberia I



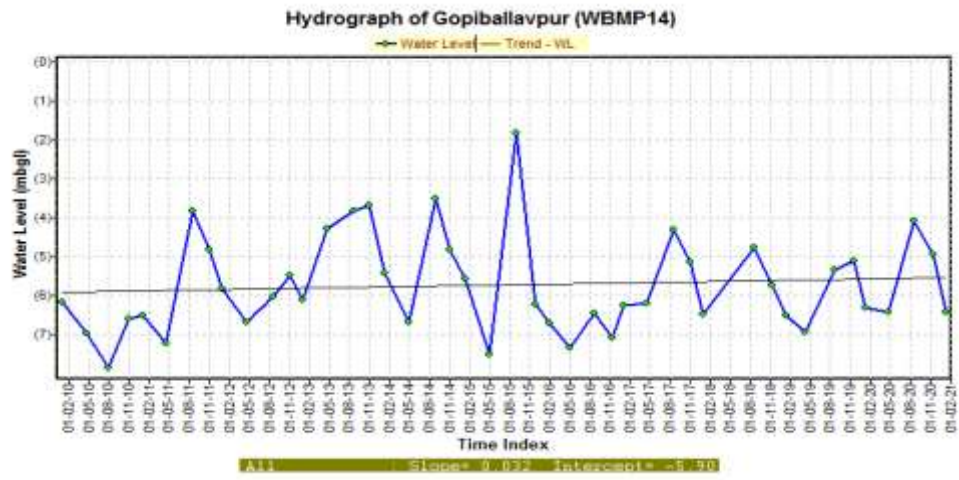
Hugli/ Tarakeswar



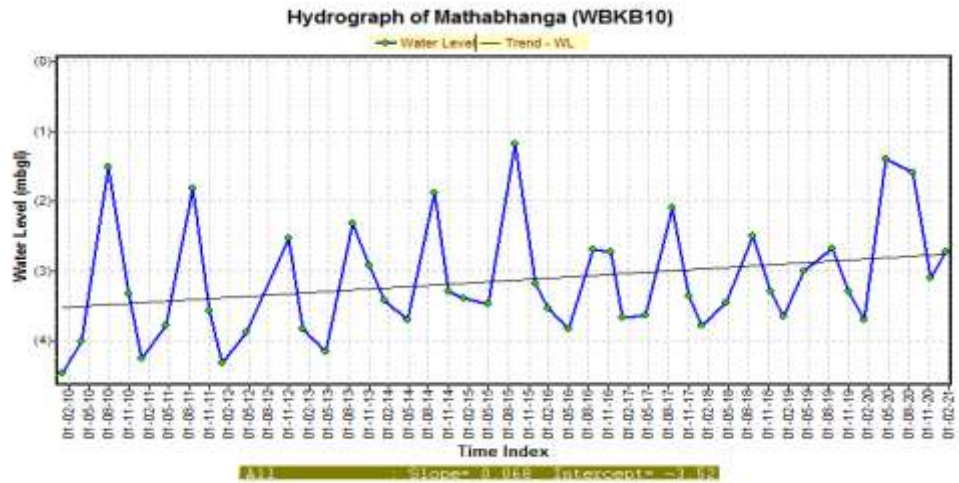
Jalpaiguri/ Dhupguri



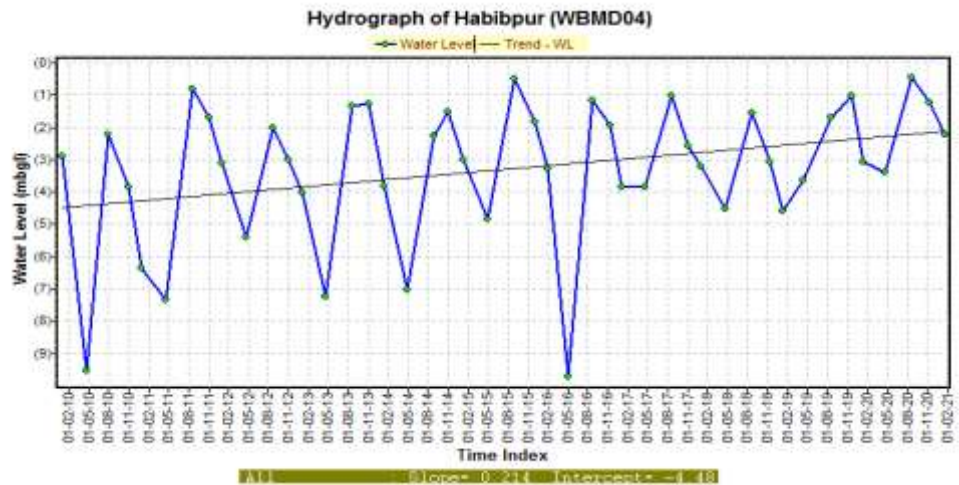
**Jhargram/  
Gopiballavpur II**



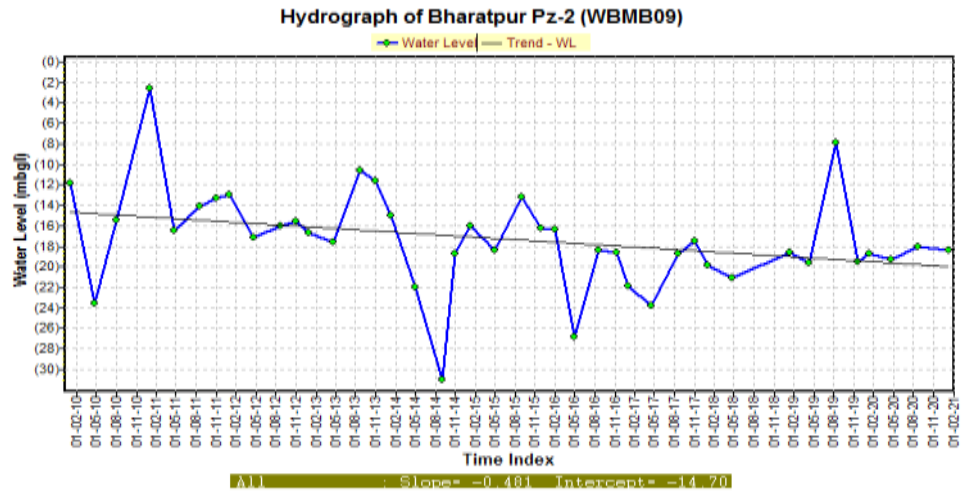
**Kochbehar/  
Mathabhanga**



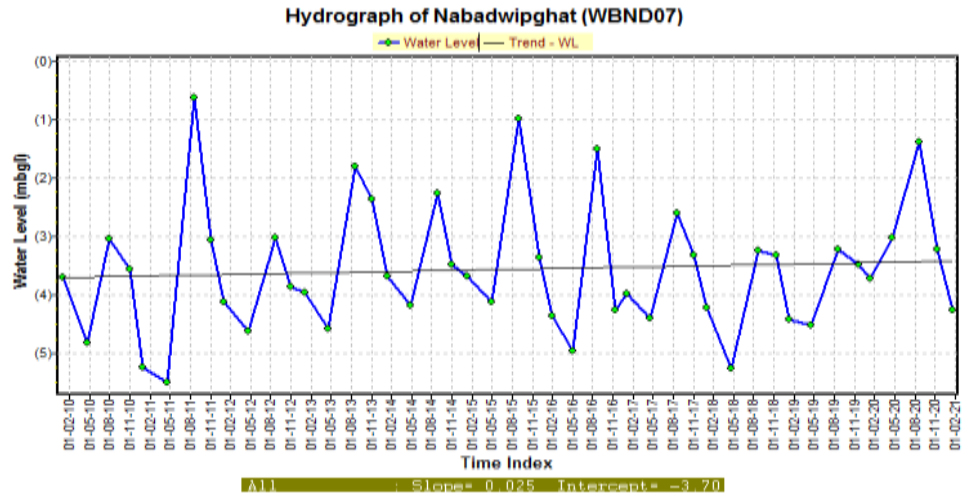
**Maldah/ Habibpur**



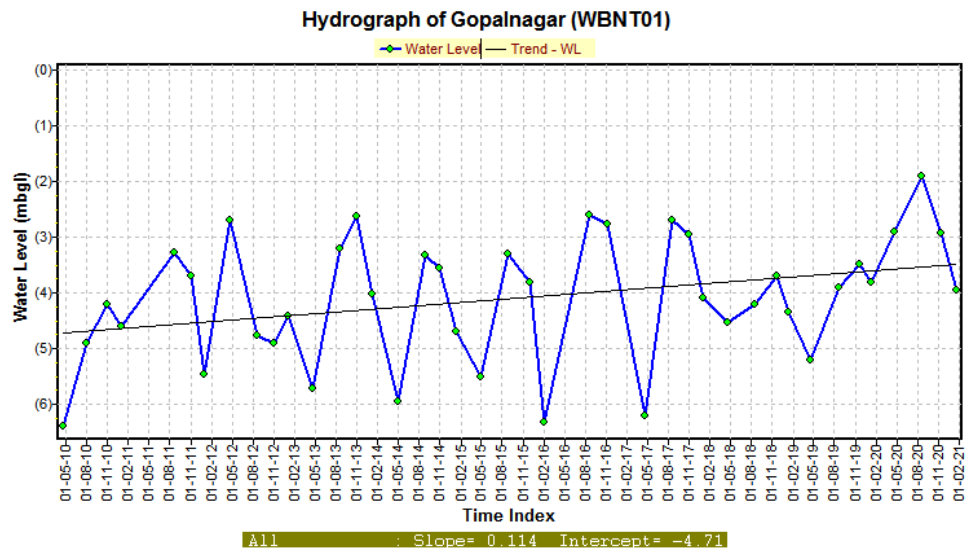
Murshidabad/  
Bharatpur



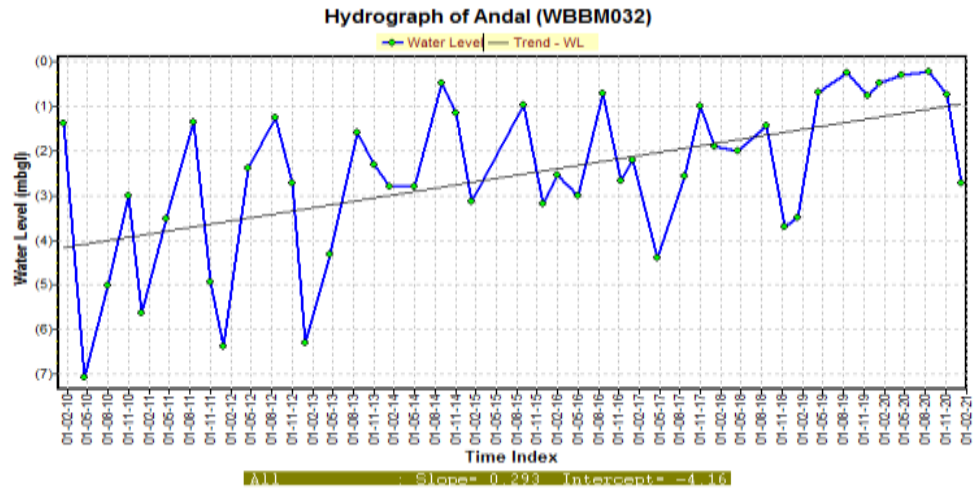
Nadia/ Nabadwip



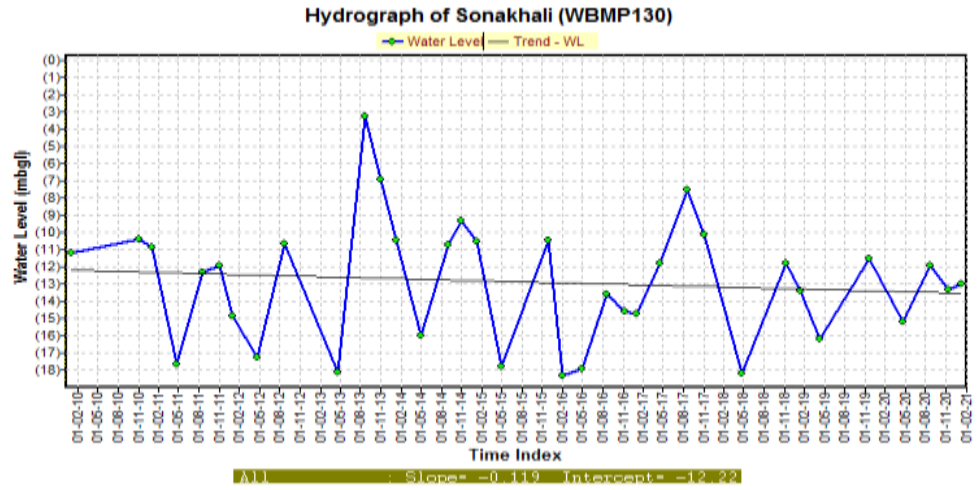
North  
TwentyfourPargana/Ba  
ngaon



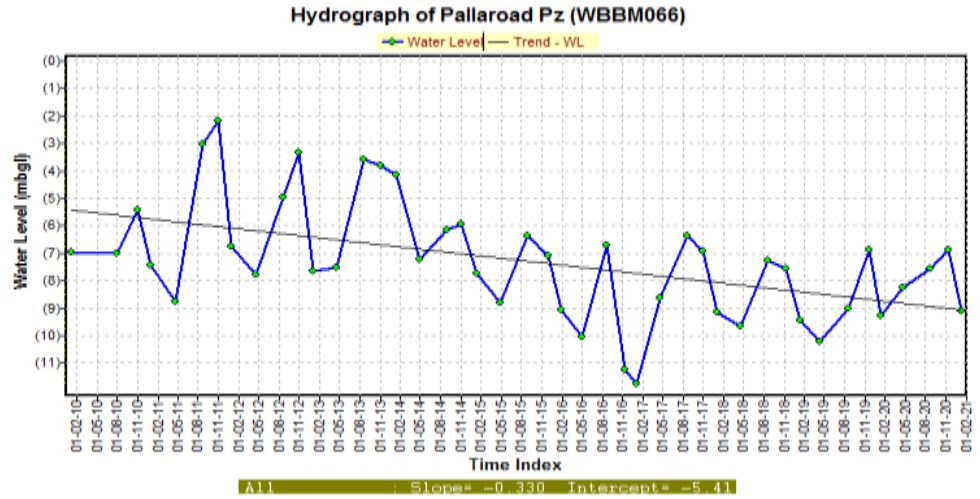
PaschimBarddhaman/  
Andal



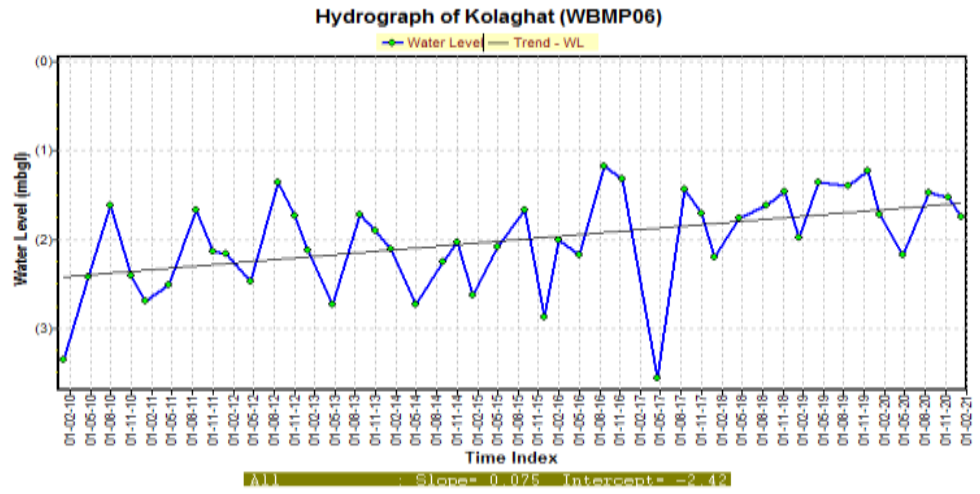
PaschimMedinipur/  
Daspur II



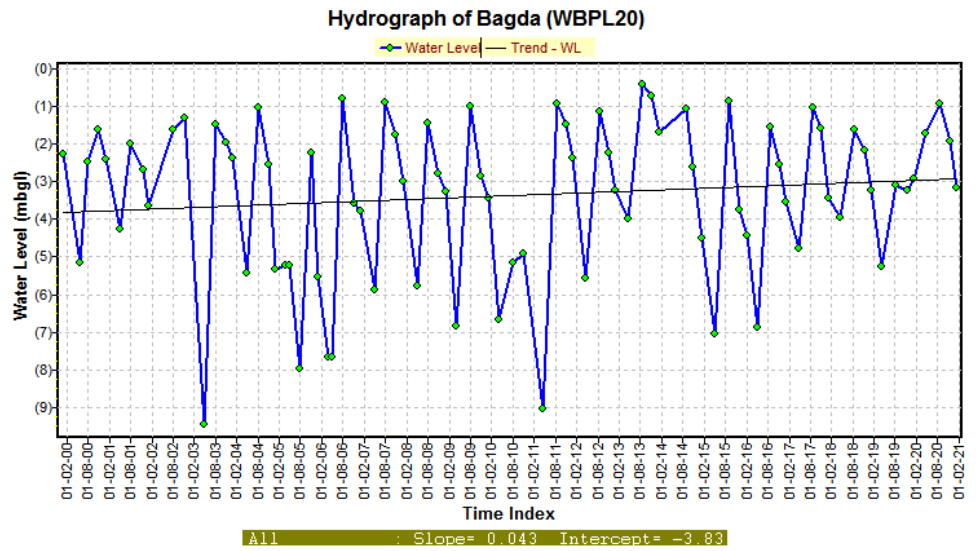
PurbaBarddhaman /  
Memari I



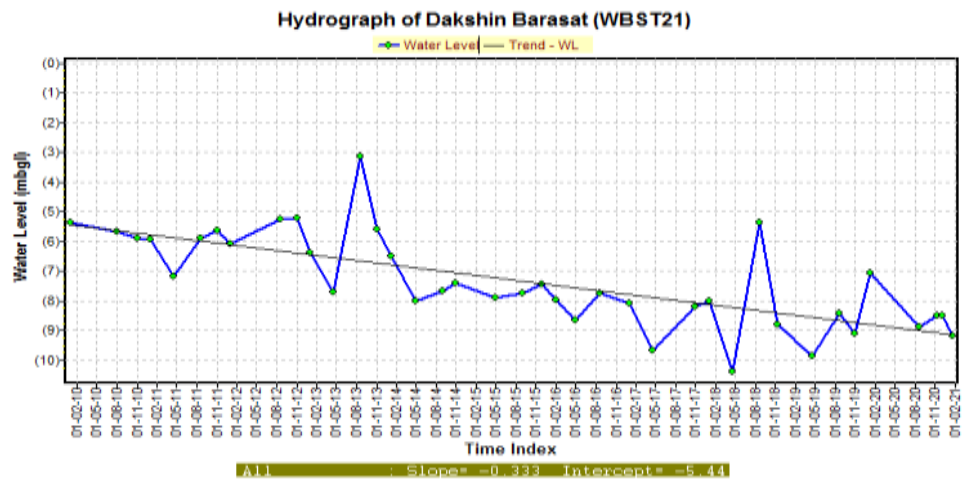
**PurbaMedinipur/  
Panskura**



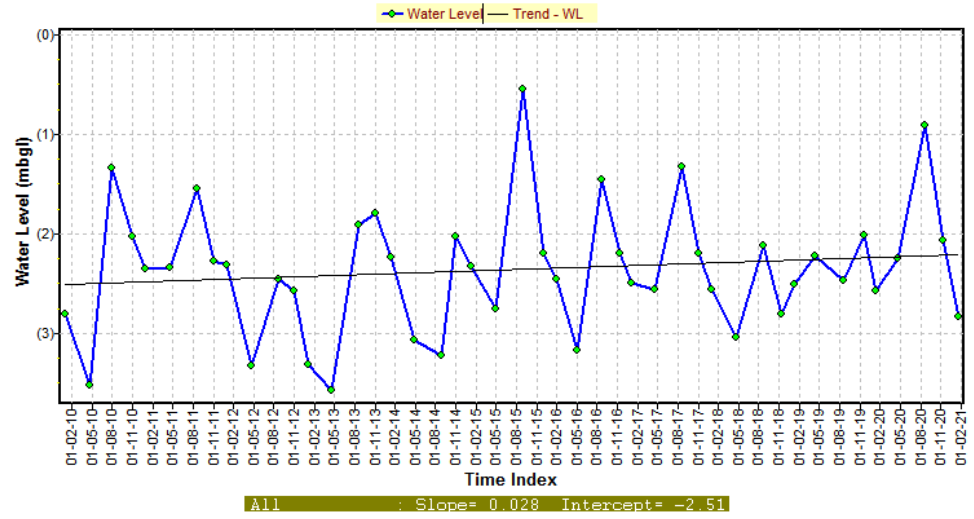
**Purulia / Pancha**



**South 24 Parganas/  
Bishnupur**

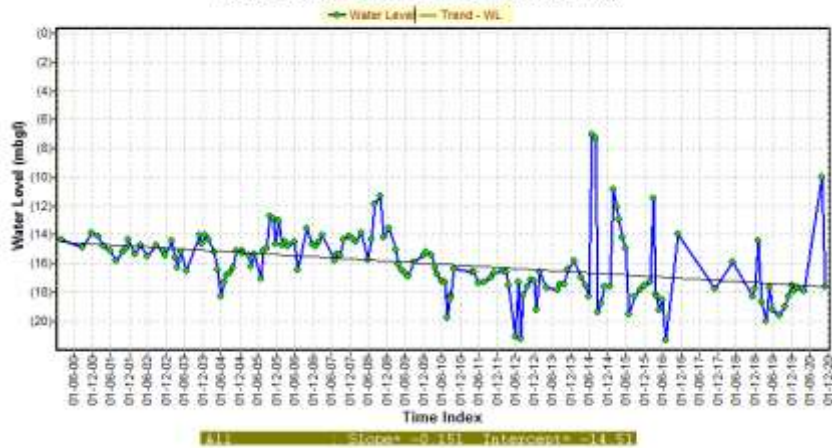


Hydrograph of Durgapur (WBWD14)

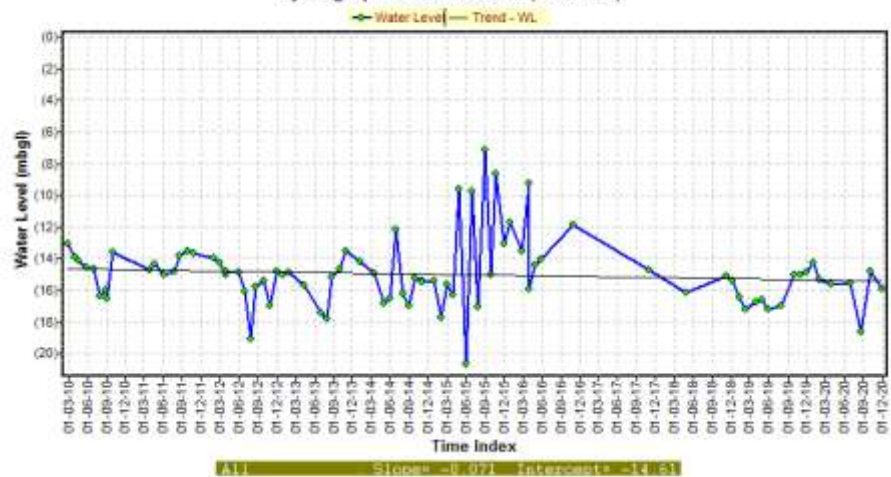


Hydrograph of selected GWMS of KMC area

Hydrograph of Fort William Pz-II Int. (WBCT18A)



Hydrograph of Salt Lake Pz (WBCT05)

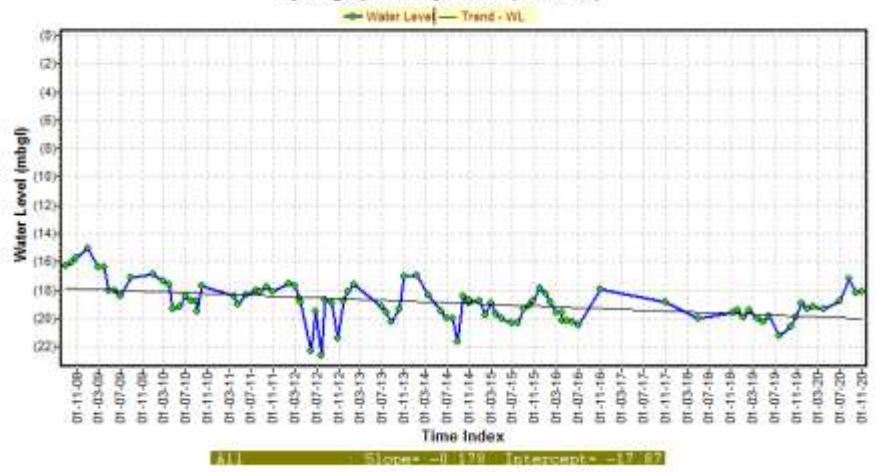




Hydrograph of Jadavpur Pz-I (WBCT19)



Hydrograph of Rajbhavan (WBCT22)



## Details of Ground Water Monitoring Wells with Depth to Water Levels(mbgl) (2020-21) West Bengal

SL No	District Name	Block Name	Site Name	Well Type	Well Depth	Apr-20	Aug-20	Nov-20	Jan-21
WBBK01	Bankura	Barjora	Barjora	Dug Well	17.62	1.28	1.22	1.85	1.98
WBBK02B	Bankura	Bishnupur	Radhanagar	Dug Well	9.94	0.96	1.35	1.26	1.49
WBBK04D	Bankura	Mejia	Mejia	Dug Well	7.05	5.25	3.64	4.23	3.18
WBBK05	Bankura	Saltora	Saltora	Dug Well	11.23	3.83	1.51	3.38	6.54
WBBK06	Bankura	Bankura I	Bankura	Dug Well	12.68	1.3	1.58	2.14	2.36
WBBK07	Bankura	Chhatna	Chhatna	Dug Well	7.2	1.74	1.16	1.47	2.07
WBBK08A	Bankura	Ranibandh	Ranibandh	Dug Well	12.45	4.3	3.46	6.6	8.7
WBBK10	Bankura	Simlapal	Simlapal	Dug Well	14.73		1.58	5.23	7.35
WBBK101	Bankura	Simlapal	Peripathar	Dug Well	9.74	1.05	1.12	2.15	3.85
WBBK102A	Bankura	Khatra-li	Hatirampur	Dug Well	11.5	2.38	0.56	3.05	4.4
WBBK103A	Bankura	Indpur	Indpur	Dug Well	9.8	1.08	1.12	2.12	3.75
WBBK105	Bankura	Raipur I	Pairaguri	Dug Well	9.45	4.92	0.86	2.55	3.95
WBBK106A	Bankura	Raipur II	Sukhadali	Dug Well	10.45		1.18	3.02	6.55
WBBK107	Bankura	Raipur II	Sarenga	Dug Well	12.73		1.63	2.1	4.88
WBBK109	Bankura	Indus	Naldanga	Dug Well	14.21	0.71	0.92	1.2	1.68
WBBK111	Bankura	Mejia	Nandanpur	Dug Well	9.65	4.45	1.28	1.9	3.28
WBBK113	Bankura	Mejia	Nandanpur	Dug Well	18.28	0.74	0.83	1.85	4.12
WBBK114	Bankura	Taldangra	Taldangra	Dug Well	9.5	2.16	2.2	3.14	4.48
WBBK115	Bankura	Khatra I	Khatra	Dug Well	16.6	3.3	2.11	3.18	5.63
WBBK116	Bankura	Bishnupur	Radheshyam temple	Dug Well	10.4	3.4	2.47	4.98	
WBBK119	Bankura	Taldangra	Dhobajore	Pz	39.82	6.53	4.28	6.16	7.33
WBBK120	Bankura	Sonamukhi	Rautara	Pz	67.49	3.03	1.31	1.28	
WBBK121	Bankura	Gangajalghati	Rangamati	Dug Well	11.2	5.52	1.54	3.52	5.47
WBBK122	Bankura	Chhatna	Susunia	Tube Well		12.7	8.48	13.03	9
WBBK123	Bankura	Bishnupur	Hereparlat	Dug Well	17	10.28	1.17	4.14	6.4
WBBK124	Bankura	Bishnupur	Siromonipur	Dug Well	10.2	1.01	0.45	1.86	4.59
WBBK126	Bankura	Bishnupur	Bishnupur	Dug Well	15.8	1.78	1.35	3.53	6.08
WBBK127	Bankura	Bishnupur	Bishnupur	Dug Well	12	2.26	1.27	2	
WBBK128	Bankura	Bishnupur	Bishnupur Kalindi B	Dug Well	24.39	2.59	1.67	1.99	2.37
WBBK129A	Bankura	Jaypur	Habibpuskarini			0.45	0.59	1.33	1.21
WBBK12A	Bankura	Patrasayer	Patrasayar(hatkishnag)	Dug Well	7.3	0.7	1.07	1.8	2.34
WBBK13	Bankura	Patrasayer	Patrasayer(stn)	Dug Well	10.6	1.48	1.77	0.84	2.99
WBBK130	Bankura	Patrasayer	Patrasayer Thana	Dug Well	12.1	0	0.26		2.67
WBBK131	Bankura	Sonamukhi	Sonamukhi			6.74			
WBBK132	Bankura	Bishnupur	Jayrampur	Dug Well	10.1	0.21	0.14	2.24	3.09
WBBK134	Bankura	Onda	Gorabari	Dug Well	10.3	4.2	1.93	4.3	5.42
WBBK135	Bankura	Onda	Natungram	Dug Well	8.57	0.9	0.98	2.15	3.28
WBBK136	Bankura	Simlapal	Dakshin sole	Dug Well	14.1	1.57	1.34	3.4	6.77
WBBK137	Bankura	Onda	Jagadalla	Dug Well	13.4	1.55	1.46	2.15	4.11
WBBK138	Bankura	Indpur	Bankata	Dug Well	11.2	2.43	1.13	2.9	5.62
WBBK139	Bankura	Khatra I	Baharamuri	Dug Well	11	1.11	1.09	1.31	2.67
WBBK140	Bankura	Ranibandh	Majherigora	Dug Well	10.75	1.88	1.14	2.17	3.64
WBBK141	Bankura	Ranibandh	Ledhapakor	Dug Well	11.1	2.8	2.17	3.5	4.69
WBBK142	Bankura	Ranibandh	Khejuria	Dug Well	10.3	4.5	3.53	4.62	5.65
WBBK143	Bankura	Barjora	Dejuri	Dugwell	8.5	1.67	1.49	3.2	3.14
WBBK144	Bankura	Barjora	Bandhakona	Dugwell	11.1	1.72	0.72	1.43	2.65
WBBK145	Bankura	Barjora	Brindabanpur	Dugwell	8		0.8	1.96	3.06
WBBK147	Bankura	Sonamukhi	Rampur	Dugwell	12		0.74	1.92	3.15
WBBK148	Bankura	Bankura I	Lokepur	Dugwell	12.3	2.65	3.14	1.5	3.55
WBBK149	Bankura	Bankura II	Bikna	Dugwell	10.55	1.33	1.07	3.32	5.31
WBBK15	Bankura	Kotulpur	Kotulpur	Pz	97	12.86	11.79	13.12	12.27
WBBK150	Bankura	Gangajalghati	Khanta	Dugwell	11.25	5.15	1.04	6.33	7.75
WBBK151	Bankura	Gangajalghati	Amarkanana	Dugwell	12	1.6	1.8		3.92
WBBK152	Bankura	Gangajalghati	Deuli More	Dugwell	12.85	12.8	5.99	6.2	7.95

SL No	District_Name	Block_Name	Site_Name	Well Type	Well Depth	Apr-20	Aug-20	Nov-20	Jan-21
WBBK153	Bankura	Saltora	Tentultikri	Dugwell	8.5	4.3	1.36	3.31	4.5
WBBK154	Bankura	Saltora	Shyampur	Dugwell	10.66	5.22	1.7	2.67	3.92
WBBK155	Bankura	Onda	Punisole			1.74	1.5	3.66	5.11
WBBK156	Bankura	Simlapal	Karakanali	Dug Well			0.41	1.26	
WBBK158	Bankura	Indpur	Indpur	Dug Well		0.8	0.92	1.71	2.77
WBBK159	Bankura	Ranibandh	Akhuta More	Dug Well		0.19	0.21	0.35	0.82
WBBK16	Bankura	Ranibandh	Jhilimili	Dug Well	14.2	7.56	3.69	5.84	8.16
WBBK160	Bankura	Chhatna	Babupara	Dug Well		5.19	1.86	2.65	4.08
WBBK161	Bankura	Chhatna	Koroasole	Dug Well		2.62	1.07	2.22	4.07
WBBK162	Bankura	Saltora	Ledhapalash	Dug Well		3.67	2.04	2.77	3.67
WBBK163	Bankura	Mijia	Jamua	Dug Well		2.93	1.31	3.01	5.06
WBBK164	Bankura	Bakura -II	Kadahghati	Dug Well		0.97	1.27	2.04	1.58
WBBK165	Bankura	Sonamukhi	Krishna Bati	Dug Well		0.57	0.66	1.99	2.29
WBBK166	Bankura	Joypur	Magru	Dug Well			0.52	1.4	
WBBK167	Bankura	Bishnupur	Kharkasuli	Dug Well		0	1.03	1.03	3.19
WBBK168	Bankura	Sonamukhi	Parasia	Dug Well		0.37	0.49	0.9	1.34
WBBK169	Bankura	Joypur	Kharkasuli	Tube Well				12.88	
WBBK17	Bankura	Raipur I	Raipur	Dug Well	9.54	4.44	2.01	4.94	8.26
WBBK170	Bankura	Taldangra	Kashiboni	Tube Well		1.04		1.84	6.6
WBBK171	Bankura	Khatra	Supur	Dug Well		2.8	0.91	2.58	
WBBK174	Bankura	Patrasayar	Belshi	Tube Well		23.82	23.55		22.68
WBBK19	Bankura	Onda	Ratanpur	Dug Well	12.3	0.83	0.59	1.36	4.36
WBBK20	Bankura	Jaypur	Joypur	Dug Well	9.4	0.4	0.45	3.1	1.93
WBBK21	Bankura	Jaypur	Joypur-1	Pz	209	2.67			1.31
WBBK22	Bankura	Bishnupur	Bishnupur-1	Pz	139	2.4	0.91	1.37	4.14
WBBK24A	Bankura	Gangajalghati	Gangajalhati	Dug Well	9.5	4.08	1.32	3.1	5.1
WBBK27	Bankura	Onda	Ghalkunda	Dug Well	8.81	1.41	1.12	3.94	4.61
WBBK31	Bankura	Onda	Benajira	Dug Well	9.32	2.05	1.35	2.88	4.26
WBBK35A	Bankura	Sonamukhi	Dhansimla	Dug Well	12	0.47	0.64	1.09	
WBBK37A	Bankura	Barjora	Hatashuria	Dug Well	10.5	0.8	0.65	1.45	1.78
WBBK38A	Bankura	Gangajalghati	Kusthalia	Dug Well	11.7	3.01	2.06	3.63	5.13
WBBK39	Bankura	Saltora	Murulu	Dug Well	7.61	4.43	2.24	3.37	5
WBBK43	Bankura	Barjora	Tarasingh Bridg	Dug Well	11.1	7.09			7.81
WBBK44B	Bankura	Chhatna	Susunia	Dug Well	6.5	7.28	1.91	7.44	5.71
WBBK45A	Bankura	Bankura I	Kenjakura	Dug Well	9.85	2.05	1.2	2.65	4.2
WBBK46	Bankura	Chhatna	Gouripur	Dug Well	13.76	3.93	0.73	1.85	4.04
WBBK48A	Bankura	Saltora	Lakhanpur	Dug Well		1.75	1.78	2.58	3.8
WBBK49A	Bankura	Sonamukhi	Naruala	Dug Well	7.4	0.88	0.98	1.88	3.98
WBBK50B	Bankura	Barjora	Sahabdi	Dug Well	10.9	1.95	2.1	3.81	5.56
WBBK52	Bankura	Bishnupur	Basudevpur			4.02	1.87		
WBBK54	Bankura	Jaypur	Jadavnagar	Dug Well	22.98	2.15	0.4	1.28	5.57
WBBK57	Bankura	Chhatna	Kamalpore	Dug Well	10.95	2.67	1.79	1.8	4.6
WBBK58	Bankura	Barjora	Chunpara	Dug Well	9.35	3.79	3.23	3.92	4.77
WBBK60	Bankura	Barjora	Chandai			4.31	3.12		
WBBK61A	Bankura	Sonamukhi	Pokhana	Dug Well	6.5	2.77	2.86	4.78	
WBBK65A	Bankura	Sonamukhi	Nafardanga	Dug Well	5.8	1.78	1.98	2.55	3.54
WBBK67A	Bankura	Sonamukhi	Gangamonidanga	Dug Well	11.1	1.33	1.1	4.47	5.47
WBBK72	Bankura	Taldangra	Hazrabandh	Dug Well	18.8			3.73	15.25
WBBK73	Bankura	Taldangra	Moyra	Dug Well	18.01	2.43	1.53	2.43	7.15
WBBK74A	Bankura	Taldangra	Tantirbandh	Dug Well	8.23	3.35	1.25	1.83	9.48
WBBK75B	Bankura	Taldanga	Fakirdanga			2.35			
WBBK76	Bankura	Taldangra	Tuldariya	Dug Well	18.9	1.8	1.44	2.35	8.12
WBBK79A	Bankura	Bishnupur	Basudevpur Camp No.1	Dug Well	10.94	2.15	1.09	2.07	3.83
WBBK80	Bankura	Bishnupur	B.d.p.anchal	Dug Well	16.13	18.78	11.3	10.33	13.66
WBBK81A	Bankura	Bishnupur	Belsula	Dug Well	12.03	0.88	0.76	0.9	1.77
WBBK82	Bankura	Bishnupur	Bangele	Dug Well	19.38		1.97	2.55	
WBBK84	Bankura	Jaypur	Prasaddpur	Dug Well	10.49	0.58	0.16	2.08	2.83
WBBK85A	Bankura	Jaypur	Padampur	Dug Well	15.5	1.83	0.72	1.73	2.62

SL No	District_Name	Block_Name	Site_Name	Well Type	Well Depth	Apr-20	Aug-20	Nov-20	Jan-21
WBBK90A	Bankura	Sonamukhi	Sonamukhi Dug	Dug Well	12.2	8.61	5.74	7.85	9.18
WBBK94	Bankura	Saltora	Kashtora	Dug Well	12.52	4.5	1.27	3.1	4.87
WBBK97	Bankura	Bankura I	Bhagabanpur	Dug Well	9.73	5.32	3.04	4.38	5.46
WBBK98	Bankura	Bankura II	Makurgram	Dug Well	8.99	4.63	1.89	5.43	
WBBK99	Bankura	Bankura II	Shalbani	Dug Well	6.58		1.24	1.98	2.39
WBBM002	Barddhaman	Durgapur-Faridpur	Piala	Dug Well	10.52	1.53	1.34	1.84	5.7
WBBM003	Barddhaman	Kaksa	Kanksa	Dug Well	10.78	16.56	16.3	2.38	6.61
WBBM004	Barddhaman	Barddhaman Sadar	Barddhaman	Dug Well	10.31	1.37	1.23	1.9	2.29
WBBM012	Barddhaman	Salanpur	Ethora	Dug Well	10.97	1.12	1	1.37	1.94
WBBM013B	Barddhaman	Galsi-II	Galsi	Tube Well		9.72	7.5	7.71	10.22
WBBM016	Barddhaman	Kalna I	Kalna	Pz	61.31	9.58	9.31	6.21	9.57
WBBM017A	Barddhaman	Memari II	Ajhapur	Dug Well	9.5	2.16	1.85	1.59	3.07
WBBM023A	Barddhaman	Purbasthali I	Samudragrah	Pz	41.19	6.68	6.36	6.95	8.47
WBBM027	Barddhaman	Ketugram I	Ramjibanpur	Pz	52.71	22	21.92	22.05	22.03
WBBM030	Barddhaman	Khandaghosh	Metedanga	Tube Well	26.84	5.4	5.01	4.99	6.46
WBBM031	Barddhaman	Bankura II	Gopalpur	Dug Well	8.27	1.41	1.32	1.42	2.12
WBBM032	Barddhaman	Ondal	Andal	Dug Well	11.5	0.3	0.23	0.74	2.72
WBBM033B	Barddhaman	Asansol	Asansol B	Dug Well	15	1.96	1.85	4.13	1.23
WBBM034	Barddhaman	Baraboni	Gourandih	Dug Well	5.48	1.33	1.2	3.43	1.6
WBBM035	Barddhaman	Salanpur	Chittaranjan	Dug Well	5.05	1.98	1.51	2.1	2.49
WBBM036B	Barddhaman	Kulti	Neamatpur B	Dug Well	9	1.03	1.1	1.44	1.62
WBBM037	Barddhaman	Jamuria II	Pandabeswar	Dug Well	8.5	1.32	1.21	1.96	3.89
WBBM038	Barddhaman	Durgapur-Faridpur	Bhiringi	Dug Well	5.45	1.4	1.31	1.04	1.06
WBBM039A	Barddhaman	Ausgram I	Ausgram	Dug Well	7.5	1.61	1.4	4.29	6.35
WBBM046	Barddhaman	Kulti	Barakar	Dug Well	7.8	1.51	1.38	1.97	2.09
WBBM047	Barddhaman	Salanpur	Salanpur	Dug Well	15.8	2.18	0.96	2.26	3.36
WBBM048	Barddhaman	Salanpur	Rupnarainpur	Dug Well	9.5	6.91	1.24	2.81	4.75
WBBM050C	Barddhaman	Manteswar	Kusumgram	Pz		25.46	25.26	25.26	25.35
WBBM053	Barddhaman	Raina II	Dommara Pz	Pz					11.83
WBBM059	Barddhaman	Bhatar	Orgram	Dug Well	10.5	2.45	2.4	3.93	6.3
WBBM062	Barddhaman	Bhatar	Orgram Pz-2	Pz	297	24.26	23.23	5.42	20.99
WBBM064	Barddhaman	Mangolkot	Charnak Pz	Pz	45.49	14.04	13.72	13.98	15.93
WBBM065	Barddhaman	Ausgram II	Amragarh Pz	Pz	81.39			5.47	
WBBM066	Barddhaman	Memari I	Pallaroad Pz	Pz	41.04	8.26	7.56	6.88	9.08
WBBM069	Barddhaman	Kulti	Kultora	Dug Well	11.16	1.02	1.06	1.15	1.27
WBBM071	Barddhaman	Salanpur	Kalyaneswari	Dug Well	7.26	4.55	1.91	2.29	1.34
WBBM074	Barddhaman	Durgapur-Faridpur	Deshbandhunagar	Dug Well	8.3	4.25	0.4	5.3	5.86
WBBM079	Barddhaman	Kalna I	Simlon	Pz	32.25	4.81	4.62	5.07	5.09
WBBM081A	Barddhaman	Barddhaman	Amra	Dug Well	8.8	3.76	2.82	2.46	5
WBBM082A	Barddhaman	Barddhaman	Amirpur	Tube Well		7.25	7.17	4.91	6.73
WBBM084A	Barddhaman	Memari-I	Pallagram	Dug Well	5.1	1.83	1.21	1.51	2.74
WBBM086	Barddhaman	Ausgram II	Bannabagram-1	Tube Well	121	4.4	4.29	4.82	5.77
WBBM087	Barddhaman	Ausgram II	Bannabagram-2	Tube Well	297	6.33	6.17	3.68	7.34
WBBM092	Barddhaman	Kaksa	Raghunathpur-1	Pz	139	22.21	22.15		6.9
WBBM094	Barddhaman	Kaksa	Raghunathpur-3	Pz	56	4.97	2.25	3.01	13.11
WBBM097B	Barddhaman	Galsi II	Sanko (kulgaria Bazar)	Tube Well	40	6.33	6.19	5.66	9.69
WBBM099	Barddhaman	Barddhaman Sadar	Jhinguti	Pz	35.4	10.91		9.28	12.5
WBBM101	Barddhaman	Raina I	Rayna Pz	Pz	40.71	13.34	12.45	11.39	10.25
WBBM102	Barddhaman	Durgapur-Faridpur	Durgapur Barage	Dug Well	6	3.39	1.71	2.91	3.51
WBBM103	Barddhaman	Jamalpur	Chakdigi	Pz	36.4	8.43	2.82	6.58	11.12
WBBM104B	Barddhaman	Kaksa	Silampur	Dug Well	8	3.06	3	3.78	4.89
WBBM105	Barddhaman	Memari I	Dakshin Radhakantapur	Dug Well	8.5	0.44	0.42	0.82	1.39
WBBM106	Barddhaman	Kalna II	Bandebaz	Dug Well	9.8				4.99
WBBM107	Barddhaman	Kalna II	Singarkone	Dug Well	14.8	0.77	0.52	0.98	1.68
WBBM109	Barddhaman	Katwa II	Dainhat	Dug Well	8.5	1.03	0.97	1.1	1.33
WBBM110	Barddhaman	Ondal	Dakshin Khanda	Dug Well	14.8	2.61	0.57	1.86	5.29
WBBM111A	Barddhaman	Raniganj	Bogra	Dug Well	3.7	0.91	0.79	1.77	1.88
WBBM112	Barddhaman	Asansol	Hirapur	Dug Well	8.95	1.13	1.06	1.21	1.39

SL No	District_Name	Block_Name	Site_Name	Well Type	Well Depth	Apr-20	Aug-20	Nov-20	Jan-21
WBBM113	Barddhaman	Jamuria I	Mondalpur	Dug Well	18	2.08	1.25	1.46	3.54
WBBM114	Barddhaman	Barabani	Domohani	Dug Well	14.95	2.75	0.53	3.95	2.56
WBBM115	Barddhaman	Jamuria II	Ikra	Dug Well	18.9	2.3	0.88	2.05	1.83
WBBM116	Barddhaman	Jamuria II	Dobrana(new Kenda)	Dug Well	16	2.67	2.36	3.76	7.11
WBBM118	Barddhaman	Purbasthali II	Chupi	Tube Well	56	5.89	4.71	4.87	5.97
WBBM119	Barddhaman	Purbasthali I	Chak Bamangoria	Tube Well	55	12.08	11.55	11.27	
WBBM120	Barddhaman	Katwa II	Nandigram	Tube Well	52	19.36	19.3	21.38	21.08
WBBM121	Barddhaman	Asansol	Kalla	Dug Well	11.5	1.29	0.72	1.85	3.6
WBBM122	Barddhaman	Jamuria I	Damodarpur	Dug Well	37	2.34	2.25	11.78	12.35
WBBM123A	Barddhaman	Galsi I	Galigram	Tube Well	20	2.55		2.95	7.23
WBBM124A	Barddhaman	Galsi I	Paraj Tw	Tube Well	24	2.98	3.46	3.65	8.27
WBBM125B	Barddhaman	Galsi I	Ramgopalpur	Tube Well		4.86	4.8	6	8.51
WBBM126A	Barddhaman	Galsi I	Kasba	Tube Well		6.52		29.38	6.49
WBBM127	Barddhaman	Bhatar	Barabelun Pz(swid)	Pz	55.73	26.58	26.5	26.15	17.78
WBBM129A	Barddhaman	Mangolkot	Koichor	Tube Well	45.7	26.45		23.28	24.18
WBBM132	Barddhaman	Ketugram I	Khalipur Pz (swid)	Pz	41.71	11.1	19.98		
WBBM133	Barddhaman	Ketugram I	Hat Moregram	Tube Well	30.5	5.81			
WBBM134A	Barddhaman	Katwa II	Singi Pz (swid)	Tube Well	41.04	16.36	16.3	17.01	17.65
WBBM135A	Barddhaman	Manteswar	Maldanga	Tube Well	40	24.75	24.83	22.19	
WBBM136A	Barddhaman	Manteswar	Jamna	Tube Well	41.15	23.69	22.37	22.79	24.23
WBBM137A	Barddhaman	Kalna II	Bara Damas	Tube Well		18.12	18.07	16.58	19.6
WBBM138	Barddhaman	Khandaghosh	Bowaichandi	Tube Well	45.7	6.63		7.8	9.18
WBBM139A	Barddhaman	Raina II	Kaity	Tube Well		16.13	16.1	19.21	17.76
WBBM141A	Barddhaman	Raina I	Barpur (pashanda)	Tube Well		18.58	18.55	14.57	12.33
WBBM143	Barddhaman	Katwa I	Katwa Tw	Tube Well	145	8.64	7.9	8.59	9.31
WBBM146	Barddhaman	Barddhaman Sadar	Malkita	Tube Well	49	18.42	16.72	18.38	17.3
WBBM147	Barddhaman	Galsi II	Bahirghona	Pz	40.86	5.38	5.35	6.61	
WBBM149	Barddhaman	Purbasthali II	Uttar Srirampur	Tube Well	54	6.64		5.05	6.07
WBBM152	Barddhaman	Raina I	Natu	Pz	20.35	7.16	7.1	6.22	10.25
WBBM153	Barddhaman	Purbasthali II	Malamba	Tube Well	55	24.66	24.6	25.13	15.26
WBBM154A	Barddhaman	Jamalpur	Haibatpur	Dug Well	5	2.17	1.53	1.61	2.71
WBBM155	Barddhaman	Jamalpur	Berugram (Moralpara)	Dug Well	10.5	3.38	2.35	2.67	4.08
WBBM156	Barddhaman	Barddhaman Sadar	Raipur	Dug Well	8.85	2.71		2.43	3.16
WBBM157	Barddhaman	Kaksa	Kuldiha	Dug Well	6.8	0.55	0.33	0.69	1.05
WBBM158	Barddhaman	Jamuria I	Satgram	Dug Well	5.3	0.82	0.75	2.41	0.76
WBBM161	Barddhaman	Ausgram I	Chak-Radhamohanpur	Dug Well	24.5	1.14	1.1	1.69	3.36
WBBM163	Barddhaman	Memari II	Paharhati	Pz	25.41	19.81	19.25	18.88	12.95
WBBM165	Barddhaman	Barddhaman Sadar	Barddhaman	Pz	48.5	10.96		8.13	8.88
WBBM166	Barddhaman	Manteswar	Denur	Pz	34.18	20.8		22.63	22.65
WBBM167	Barddhaman	Baraboni	Lalganj	Dug Well	36	1.45	10.9	1.78	2.06
WBBM168A	Barddhaman	Bhatar	Bolgona	Tube Well	61	27.86	27.8	26.64	13
WBBM169	Barddhaman	Asansol	Assansol	Dugwell	12	1.32	1.15	2.23	2.42
WBBM170	Barddhaman	Asansol	Kanyapur	Dugwell	10	1.09	1.2	1.45	1.52
WBBM171A	Barddhaman	Asansol	Dadkha	Dugwell	15	1.1	1.05	1.52	1.57
WBBM172	Barddhaman	Kulti	Kulti	Dugwell		0.47	0.3	0.1	0.1
WBBM173	Barddhaman	Asansol	Burnpur	Dugwell	10	1.59	1.5	1.86	1.9
WBBM174	Barddhaman	Ondal	Babuisal	Dugwell	12	2.58	1.2	4.56	5.25
WBBM175	Barddhaman	Raniganj	Raniganj	Dugwell	10	1.11	1.01	0.95	1.17
WBBM176	Barddhaman	Jamuria II	Pandaveswar	Dugwell	14	0.75	0.71	2.5	3.86
WBBM177	Barddhaman	Jamuria II	Gaighata	Dugwell	14	2.16	1.91	4.16	5.17
WBBM178	Barddhaman	Ondal	Andal Gram	Dugwell	18	1.48	1.45	2.71	5.52
WBBM179	Barddhaman	Durgapur-Faridpur	Gopalmath	Dugwell	20	1.59	1.09	2.8	5.99
WBBM180	Barddhaman	Ausgram II	Chora	Dugwell	14	1.15	0.9	1.3	2.9
WBBM181	Barddhaman	Kaksa	Domra	Dugwell	15	0.78		1.9	2.03
WBBM182	Barddhaman	Kaksa	Kanksa	Dugwell	12	5.61	2.96	14.83	5.85
WBBM183	Barddhaman	Galsi I	Babla	Tube Well	142	3.52	3.45	3.68	9.07
WBBM184	Barddhaman	Kaksa	Kanksa	Dugwell	16	2.9	2.85	2.65	4.55
WBBM185	Barddhaman	Durgapur-Faridpur	North Avenue	Dugwell		0.46	0.4	0.75	0.99

SL No	District_Name	Block_Name	Site_Name	Well Type	Well Depth	Apr-20	Aug-20	Nov-20	Jan-21
WBBM186	Barddhaman	Durgapur-Faridpur	Gamon Colony	Dugwell		1.03	1	1.83	2.58
WBBM187	Barddhaman	Durgapur-Faridpur	Lal Maidan	Dugwell		0.54	0.5	1.74	1.9
WBBM188	Barddhaman	Durgapur-Faridpur	Banagram	Dugwell		1.22	1.15	1.55	1.56
WBBM189	Barddhaman	Ondal	Dignata Andal	Dugwell	10	2.02	2	3.04	3.7
WBBM190	Barddhaman	Salanpur	Dendua More	Dugwell	18	1.51	1.37	1.6	1.63
WBBM191	Barddhaman	Salanpur	Chittaranjan	Dugwell	10	1.92			4.64
WBBM192	Barddhaman	Salanpur	Samdi	Dugwell	15	1.74	1.61	3.16	7.62
WBBM193	Barddhaman	Barddhaman Sadar	Suren Kalna	Tube Well		5.54	5.45	3.84	5.75
WBBM194	Barddhaman	Barddhaman Sadar	Bhita	Tube Well		12.51	5.07	10.57	10.45
WBBM195	Barddhaman	Barddhaman Sadar	Kaligram	Pz		13.85	11	12.22	13.6
WBBM196	Barddhaman	Barddhaman Sadar	Bhandardihi	Tube Well		26.31	26.2	23.92	15.45
WBBM197	Barddhaman	Kanksa	Piariganj	Dug Well		1.21	1.18	1.35	3.28
WBBM198	Barddhaman	Kanksa	Piariganj	Tube Well		8.71	7.9	4.36	6.6
WBBM199	Barddhaman	Andal	Andal	Dug Well		0.43	0.5	1.43	2.52
WBBM200	Barddhaman	Andal	Ukhra	Dug Well		0.94	13.6	2.02	3
WBBM201	Barddhaman	Andal	Bankola	Dug Well		3.26	1.21	5.15	6.44
WBBM202	Barddhaman	Kulti	Barakar	Dug Well		5.05	2.76	4.75	0.9
WBBM203	Barddhaman	Kanksa	Arrahgram	Dug Well		1.95		2.45	
WBBM204	Barddhaman	Kanksa	Purba Sasapur	Pz		8.16	8.1		8.9
WBBM205	Barddhaman	Barddhaman-I	Mirajpur Pz	Pz		16.25	13.98	13.97	9.05
WBBM206	Barddhaman	Monteswar	Monteswar Pz	Pz		24.97	24.95	25.01	25.15
WBBM207	Barddhaman	Barddhaman-I	Burdwan Pz			16.63		10.28	
WBBM208	Barddhaman	Khandagosh	Khandaghosh	Tube Well		5.51	5.2	5.06	6.15
WBBM209	Barddhaman	Galsi-I	Rekona	Tube Well		4.91	4.84	5.79	9.59
WBBM210	Barddhaman	Galsi-I	Paraj More	Tube Well		5.23	4.16	3.47	7.94
WBBM211	Barddhaman	Galsi-I	Sillaghat	Tube Well		6.57	6.56	7.38	8.44
WBBM212	Barddhaman	Galsi-I	Tildanga	Tube Well		12.17	10.62	5.21	9.17
WBBM213	Barddhaman	Kalna I	Dhatrigram	Dug Well		0.11	0.06	0.07	0.49
WBBM214	Barddhaman	Kalna I	Purba Sahapur	Dug Well		0.52	0.47	0.95	1.66
WBBM215	Barddhaman	Jamuria I	Jamuria	Dug Well		11.26	9.51	2.01	2.67
WBBM216	Barddhaman	Kulti	Sanasitala	Dug Well		0.78	0.7	1.44	1.33
WBBM217	Barddhaman	Galsi II	Bahirghona	Tube Well		7.14	6.8	6.57	8.4
WBBB01	Birbhum	Mohamad Bazar	Ganpur	Dug Well	13.74	7.31	4.91	3.83	6.03
WBBB02	Birbhum	Rajnagar	Chandrapur	Dug Well	12.7	1.05	0.68	2.64	4.77
WBBB04	Birbhum	Nalhati I	Nalhati	Dug Well	10.68	5.74	1.54	3.27	4.4
WBBB07	Birbhum	Sainthia	Sainthia	Dug Well	12.53	2.65	2.5		9.86
WBBB09	Birbhum	Illambazar	Illambazar	Dug Well	11.67	1.58	0.86		3.45
WBBB100	Birbhum	Dubrajpur	Gopalpur	Tube Well	30		5.38	5.08	6.74
WBBB101	Birbhum	Nalhati	Amlai	Dug Well	15.9		4.83		
WBBB102	Birbhum	Sainthia	Ahmedpur	Tube Well	52.44				14.7
WBBB103	Birbhum	Bolpur-Sriniketan	Biswabharti,shantiniket	Pz		6.39	1.55	4.21	6.79
WBBB104	Birbhum	Bolpur-Sriniketan	Biswabharti,shantiniket	Pz		6.91	0.87	2.3	4.64
WBBB105	Birbhum	Bolpur-Sriniketan	Biswabharti,shantiniket	Pz	67.01	4.92	2.27	4.96	7.23
WBBB106	Birbhum	Rampurhat II	Margram	CGWB Ow	225.3	23.62	20.33	23.5	19.31
WBBB108	Birbhum	Illambazar	Ramnagar	Pz	49.9	13.77	8.63	8.19	10.05
WBBB109	Birbhum	Bolpur-Sriniketan	Rautara	Pz	32.4				
WBBB10A	Birbhum	Rampurhat I	Narayanpur	Dug Well	18	12.58	2.99	11.9	12.96
WBBB110	Birbhum	Labpur	Abbadanga	Pz	31.4	25.01	18.75	23.53	22.13
WBBB111	Birbhum	Sainthia	Gargaria	Pz	47.9	7.46	8.77	8.43	7.78
WBBB112	Birbhum	Nonoor	Basapara	Pz	39.5	20.32	18.99	21.11	19.3
WBBB113	Birbhum	Nanoor	Charkolgram	Pz	42				22.76
WBBB114	Birbhum	Illambazar	Illambazar	Pz	43.4	23.75		20.34	19.55
WBBB115	Birbhum	Sainthia	Paikpara	Pz	49.4	13.34	9.59	19.07	10.81
WBBB116	Birbhum	Labpur	Labpur	Pz	53	10.63	6.28		9.65
WBBB118	Birbhum	Nanoor	Kankunia	Pz	50.1	19.9	13.97	13.42	17.8
WBBB11A	Birbhum	Mohammad Bazar	Darsandari	Dug Well	10.15		2.95	3	4.48
WBBB120	Birbhum	Rampurhat I	Rampurhat	Pz	32.4	15.68	11.79		14.75
WBBB121	Birbhum	Murarai II	Panchahar	Pz	42.4	23.05		22.45	22.2

SL No	District_Name	Block_Name	Site_Name	Well Type	Well Depth	Apr-20	Aug-20	Nov-20	Jan-21
WBBB122	Birbhum	Mayureshwar II	Mayureshwar	Pz	39.4	13.94		18.08	
WBBB124	Birbhum	Mohammad Bazar	Kedarpur	Pz	48	3.69	3.78	4.93	5.71
WBBB126	Birbhum	Murarai I	Murarai	Pz	48.9		21.07		
WBBB128	Birbhum	Bolpur-Sriniketan	Ruppur	Dug Well	15.24	6.22	3.36	3.4	5.87
WBBB129	Birbhum	Bolpur-Sriniketan	Ruppur PZ	Pz	58.11			8.68	9.11
WBBB12A	Birbhum	Suri I	Siuri	Dug Well	8.55	0.03	0.33	2.03	1.81
WBBB130	Birbhum	Labpur	Abhadanga PZ	Pz	23.98	23.48	14.59	24	23.08
WBBB131	Birbhum	Mayureshwar II	Kotasur	Pz	55.77	6.93	2.54	4.06	5.13
WBBB132	Birbhum	Bolpur-Sriniketan	Bergram	Pz	21.34	11.02	8.93	6.88	8.53
WBBB133	Birbhum	Illambazar	Kustigiri	Pz	50.12	17.33	21.27	15.46	15.35
WBBB135	Birbhum	Dubrajpur	Gokrul	Dug Well	7.62	0.5	2.09	2.52	3.1
WBBB136	Birbhum	Mayureswar-I	Dharaninagar		15.24	3.29	1.63	2.48	
WBBB137	Birbhum	Rampurhat I	Soansa	Pz	36.97	8.29			9.35
WBBB138	Birbhum	Nalhati I	Shardha	Pz	27.18	21.56	20.74	20.81	20.2
WBBB139	Birbhum	Nalhati I	Kurumgram	Pz	54.75	19.99	18.6	18.09	19.52
WBBB13A	Birbhum	Rajnagar	Rajnagar	Dug Well	10.5	5.76	4.39	5.4	6.6
WBBB14	Birbhum	Khayrasole	Khayrasol	Dug Well	9.7	2.73	3.07	2.47	4.41
WBBB140	Birbhum	Bolpur-Sriniketan	Ballavpur	Dug Well	12.19	5.12	3.83	4.98	5.6
WBBB142	Birbhum	Suri II	Bonsanka	Dug Well	12.19	0.69	0.59	1.09	1.38
WBBB143A	Birbhum	Suri II	Imadpur	Tube Well	45.72	16.18		16.36	18.1
WBBB144	Birbhum	Rampurhat I	Kastagara	Dug Well	7.6	1.78	0.74	4.73	3.5
WBBB145	Birbhum	Bolpur-Sriniketan	Muluk (Gayashpur)	Dug Well	6.1	2.03	3.66	2.84	4.86
WBBB146A	Birbhum	Bolpur-Sriniketan	Muluk	Dug Well	10.66	3.22		1.89	
WBBB147	Birbhum	Nanoor	Kakunia	Tube Well	36.58	18.95	16.61	17.89	17.54
WBBB148	Birbhum	Labpur	Labpur	Dug Well	18.28	1.32			8.38
WBBB149	Birbhum	Labpur	Lagata	Dug Well	12.8	9.3			5.92
WBBB15	Birbhum	Murarai I	Palsa	Dug Well	5.13				2.23
WBBB150	Birbhum	Bolpur-Sriniketan	Bondanga (Prantik)	Dug Well	7.01	1.46	0.55	2.76	3.7
WBBB151	Birbhum	Sainthia	Kopai	Dug Well	22.86	0.35	0.68	5.97	9.1
WBBB152	Birbhum	Rampurhat II	Paikpara	Tube Well	30.48				10.7
WBBB155	Birbhum	Bolpur-Sriniketan	Santiniketan(Sevapalli)	Dug Well	12	7.45	2.3	5.18	7.92
WBBB156	Birbhum	Bolpur-Sriniketan	Jamboni	Dug Well	10.66	2.84	1.16	2.15	2.82
WBBB157	Birbhum	Dubrajpur	Batkar (Big dia)	Dug Well	9.14	5.87	7.31	7.31	8.4
WBBB158	Birbhum	Dubrajpur	Sahapur (Pachim Para)	Dug Well	27.43	0.94	0.86	2.92	1.2
WBBB159	Birbhum	Dubrajpur	Sahapur (Daspara)	Dug Well	18.28	1.04	1.47	3.3	6.25
WBBB160	Birbhum	Suri II	Eakdala	Dug Well	15.24	0.25	3.04	4.78	8.42
WBBB161	Birbhum	Suri II	Hatjanbazar	Dug Well	10.66	1.82	2.72	4.57	5.95
WBBB162	Birbhum	Suri II	Hatjanbazar	Dug Well	12.19	2.14	4.83	5.48	7.37
WBBB163	Birbhum	Suri I	Suri (PHED)	Dug Well	7	0.34	0.54	1.15	1.2
WBBB164	Birbhum	Suri I	Kariddha (Chora)	Dug Well	12	2.46	3.59	4.15	5.05
WBBB165	Birbhum	Bolpur-Sriniketan	Ballavpur	Dugwell	9.14	3.44	3.38	4.32	4.92
WBBB167	Birbhum	Illambazar	Bholagaria	Dugwell	13.72	7.31	5.52	5.31	8.61
WBBB168	Birbhum	Rajnagar	Patharchapri	Dugwell	6.1	0.93			
WBBB169	Birbhum	Rajnagar	Patharchapri	Dugwell	6.096	0.52	1.32	0.71	3.34
WBBB16A	Birbhum	Murarai II	Mitrapur Pz	Pz	58.67	4.09	11.53	11.36	13.55
WBBB170	Birbhum	Mohammad Bazar	Seorakuri	Dugwell	9.144	0.2	2.29	4.96	6
WBBB171	Birbhum	Mohammad Bazar	Seorakuri	Dugwell	10.0584	1.97	2.14	5.73	7.84
WBBB172	Birbhum	Mohammad Bazar	Seorakuri	Dugwell	8.5344	1.23	1.63	6.08	7.39
WBBB173	Birbhum	Mohammad Bazar	Joypur	Dugwell	10.668	0.98	1.25	2.62	6.33
WBBB174	Birbhum	Mohammad Bazar	Joypur	Dugwell	10.668	2.04	1.28	4.04	5.77
WBBB175	Birbhum	Mohammad Bazar	Joypur	Dugwell	12.192	1.07	1.34	2.06	5.83
WBBB176	Birbhum	Mohammad Bazar	Md. Bazar	Dugwell	5.7912	0.87	0.84	2.06	2.2
WBBB177	Birbhum	Mohammad Bazar	Md. Bazar	Dugwell	7.62	0.99		2.15	2.9
WBBB178	Birbhum	Mohammad Bazar	Patel Nagar	Dugwell	6.7056	0.91	0.74	2.23	3.34
WBBB179	Birbhum	Mohammad Bazar	Kumorpur	Dugwell	16.764	1.77	1.82	2.51	3.55
WBBB180	Birbhum	Mohammad Bazar	Loha Bazar	Dugwell	9.7536	1.15	0.89	1.94	3.95
WBBB181	Birbhum	Mohammad Bazar	Loha Bazar	Dugwell	7.62	2.02	0.5		3.55
WBBB182	Birbhum	Mohammad Bazar	Loha Bazar	Dugwell	9.144	1.13	1.46	3.34	4.64

SL No	District_Name	Block_Name	Site_Name	Well Type	Well Depth	Apr-20	Aug-20	Nov-20	Jan-21
WBBB183	Birbhum	Mohammad Bazar	Sontsal	Dugwell	12.192	3.3	2.4	2.86	5.1
WBBB185	Birbhum	Bolpur-Sriniketan	Phuldanga	Dug Well	8	2.22	0.86	2.23	3.23
WBBB188	Birbhum	Bolpur-Sriniketan	Bimuria	Dug Well	9.14	0.75	0.79	2.32	4.42
WBBB189	Birbhum	Bolpur-Sriniketan	Mahidapur	Dug Well	9.11		1.09		4.54
WBBB19	Birbhum	Illambazar	Batkar	Dug Well	12.71	6.84	5.15	5.5	7.4
WBBB190	Birbhum	Bolpur-Sriniketan	Surul	Dug Well		0.32	0.25	1.11	1.1
WBBB191	Birbhum	Bolpur-Sriniketan	Prantik	Dug Well		4.38	3.4	6.46	6.86
WBBB192	Birbhum	Rampurhat I	Piarsala	Dug Well		1.6	1.25	3.63	3.9
WBBB193	Birbhum	Rajnagar	Nakash Rajnagar	Dug Well		5.92	5.1	3.71	4.47
WBBB194	Birbhum	Khayrasole	Lokpur	Dug Well		1.41	1.38	3.18	4.13
WBBB196	Birbhum	Labpur	Chouhatta	Dug Well		4.53	3.06		6.43
WBBB198	Birbhum	Murara-I	Rajgram	Dug Well		1.25			5.5
WBBB200	Birbhum	Sriniketan	Supur	Dug Well	6.71	4.4	1.23	2.27	3
WBBB201	Birbhum	Nanoor	Golte	Tube Well	36.58		25.8	8.08	26.16
WBBB202	Birbhum	Illumbazar	Gobdii	Tube Well	36.12		7.89	9.34	8.92
WBBB204	Birbhum	Rampurhat-I	Barjal	Dug Well		3.24	1.62	2.31	3.81
WBBB205	Birbhum	Kasthogora	Kasthogora	Dug Well		3.37	0.65	4.04	5.22
WBBB206	Birbhum	Md Bazar	Khyakuri	Dug Well			1.83	2.17	
WBBB207	Birbhum	Mayureswar I	Mollarpur	Dug Well		0.64		2.86	2.68
WBBB21A	Birbhum	Bolpur-Sriniketan	Bolpur pz	Pz		3.24			
WBBB22B	Birbhum	Mayureswar II	Kotasur	Tube Well	22.75		6.91	6.68	8.41
WBBB25	Birbhum	Illambazar	Jaydebkenduli	Dug Well	8.16	2.35	1.93	2.85	3.8
WBBB26A	Birbhum	Dubrajpur	Hetempur	Dug Well	16.46	8.62	3.98	5.39	5.43
WBBB27	Birbhum	Dubrajpur	Bakreshwar	Dug Well	6.39	1.45	1.63	1.83	2.08
WBBB28A	Birbhum	Mohammad Bazar	Mohamad Bazar	Dug Well	10.5	4.18	1.46	4.53	5.94
WBBB29A	Birbhum	Mayureswar I	Mollarpur Pz	Tube Well	21.34	4.87		4.69	7.75
WBBB30	Birbhum	Rampurhat I	Tumboni	Dug Well	13.99	4.27	2.44	7.13	7.69
WBBB33A	Birbhum	Bolpur-Sriniketan	Bahari		58.11	29.65	28.99	28.06	
WBBB35	Birbhum	Dubrajpur	Khagra Pz	Pz	36.42	18.4	4.91		
WBBB36A	Birbhum	Bolpur-Sriniketan	Baidyanathpur	Dug Well	8.4	4.09			5.3
WBBB40	Birbhum	Mohammad Bazar	Duecha Pz	Pz	14.52	2.62	1.59	3.16	2.95
WBBB42B	Birbhum	Suri-Ii	Pathar Chapuri	Dug Well	9	1.12	2.63	2.95	3.21
WBBB43	Birbhum	Rampurhat II	Tarapur Pz	Pz	42.65	17.74	17.92	12.53	20.86
WBBB44	Birbhum	Bolpur-Sriniketan	Sriniketan	Pz	399	12.93			11.2
WBBB47	Birbhum	Bolpur-Sriniketan	Sambati	Dug Well	11.5	4.96	0.67	2.9	5.81
WBBB53B	Birbhum	Dubrajpur	Sahapur	Dug Well	8.33	2.62			3.4
WBBB56	Birbhum	Suri I	Garuijora	Dug Well	8	0.99	1.05	3.87	2.97
WBBB58A	Birbhum	Suri II	Panuria	Dug Well	10.05			4.04	4.6
WBBB57	Birbhum	Suri I	Singur	Dug Well	8.5	0.14	0.38	2.13	1.7
WBBB60	Birbhum	Suri I	Bhurkona	Dug Well	5	0.75	1.89	1.82	2.88
WBBB63	Birbhum	Mohammad Bazar	Khayrakuri	Dug Well	7	1.32	1.87	3.19	4.18
WBBB64	Birbhum	Mohammad Bazar	Sheorakuri	Dug Well	14	1.28	0.36	3.87	7.11
WBBB66	Birbhum	Mohammad Bazar	Jaypur	Dug Well	8	1.33	2.03	1.69	3.64
WBBB67B	Birbhum	Suri I	Chaptala	Dug Well	12.72	0.9	2.78	4.85	7.14
WBBB69B	Birbhum	Mohammad Bazar	Dighalgram	Dug Well	21.28	1.63	0.85	2.6	3.96
WBBB70	Birbhum	Mohammad Bazar	Banbataspur	Dug Well	5	1.33	0.75	1.94	3.06
WBBB72A	Birbhum	Mohammad Bazar	Ganpur	Dug Well	12	8.03	3.85	6.62	8.23
WBBB73	Birbhum	Mohammad Bazar	Damra	Dug Well	9.4		1.68	3.05	4
WBBB74	Birbhum	Mohammad Bazar	Damra	Dug Well	12	1.8	0.62	1.5	1.77
WBBB75	Birbhum	Rampurhat I	Bartala	Dug Well	8	1.84	0.86	3.19	4.08
WBBB77	Birbhum	Nalhati	Barjalbelpahari	Dug Well	12	2.6	1.15		4.36
WBBB78	Birbhum	Nalhati	Barjalbelpahari	Dug Well	10	1.43	0.69		3
WBBB79	Birbhum	Rampurhat I	Dhanmara	Dug Well	8.5		0.31	1.78	3.22
WBBB81	Birbhum	Rampurhat I	Kurukdighi	Dug Well	15	6.01	2.83	2.61	7.28
WBBB84A	Birbhum	Nalhati I	Nasipur	Dug Well	5.5		0.84	1.47	1.76
WBBB85	Birbhum	Nalhati I	Bhabanandapur	Dug Well	15		0.41	1.74	1.45
WBBB88	Birbhum	Rampurhat I	Nischintapur pz	Pz	34.71	9.86	6.97	6.72	10.28
WBBB89	Birbhum	Murara I	Chatra	Pz	48.83	12.52		22.95	24.3



SL No	District_Name	Block_Name	Site_Name	Well Type	Well Depth	Apr-20	Aug-20	Nov-20	Jan-21
WBBB90	Birbhum	Murarai I	Abdullapur	Dug Well	5	2.11	0.7	2.04	2.43
WBBB91	Birbhum	Nalhati II	Nidhia	Pz	75.98				
WBBB93A	Birbhum	Rampurhat II	Chandpara	CGWB Pz	57.51	18.51		17.64	7.59
WBBB95	Birbhum	Mayureshwar II	Noapara	Pz	55	21.79	17.52	17.24	19
WBBB96	Birbhum	Khayrasole	Bhaddi	Dug Well	8	1.45	1.66	1.98	2.47
WBBB97	Birbhum	Mayureshwar I	Talwan	Pz	55	18.85	20.1	16.65	17.87
WBBB99	Birbhum	Mayureshwar II	Narayanghati	Tube Well	21.34	6.21	5.44	5.05	7
WBWD08B	Dakshin Dinajpur	Kumarganj	Sundarpur	Dugwell	8.7	0.68	0.53	1.25	3.71
WBWD104	Dakshin Dinajpur	Banihari	Joredighi	Tw		1.09	0.7	2.55	3.46
WBWD105	Dakshin Dinajpur	Tapan	Tapan	PZ		13.85	10.87	1.92	13.76
WBWD115	Dakshin Dinajpur	Kusmundi	Chausa	TW Mar-II			2.5	2.95	2.62
WBWD33	Dakshin Dinajpur	Tapan	Jittirhat	Dugwell	9.84	1.98		2.57	6.6
WBWD35A	Dakshin Dinajpur	Hilli	Hilli P.S.	TW	30	0.94	3.14	3.65	5.74
WBWD51A	Dakshin Dinajpur	Bansihari	Joredighi	TW	50	1.38	0.63	3.6	2.74
WBWD52	Dakshin Dinajpur	Kushmundi	Kushmundi	TW	27.432	1.4	2.73	2.5	5.22
WBWD53	Dakshin Dinajpur	Balurghat	Balurghat	TW	33.528	1.75	3.24	0.92	6.01
WBWD55	Dakshin Dinajpur	Gangarampur	Nayabazar	TW	27.432	1.58	3.41	2.92	6.44
WBWD56	Dakshin Dinajpur	Hilli	Teore	TW	24.336	1.75	0.93	2.15	5.11
WBWD58A	Dakshin Dinajpur	Gangarampur	Madnaha	Dugwell	11.62	3.63	2.23	3.74	5.32
WBWD59A	Dakshin Dinajpur	Kumarganj	Samjia	Dug Well		2.45	2.54	2.19	
WBWD74	Dakshin Dinajpur	Tapan	Balapur 2	Dugwell	21	0.26	1.09	1.44	1.96
WBWD75	Dakshin Dinajpur	Tapan	Bharilla	Dugwell	14.37	0.8		1.45	
WBWD76	Dakshin Dinajpur	Tapan	Rampur	Dugwell		0.72		1.63	2.1
WBWD77	Dakshin Dinajpur	Harirampur	Kismat Kasba	Dugwell	9.83	1.52	1.18	1.54	1.64
WBWD79	Dakshin Dinajpur	Bansihari	Patharghata (Panjuri Pa	Dugwell	9.87	0.47	0.63	2.08	4.78
WBWD80	Dakshin Dinajpur	Gangarampur	Thangapara	Dugwell	13.2	2.11	2.16	2.63	
WBWD81	Dakshin Dinajpur	Tapan	Dakshin Harsura 1	Dugwell	19.23	2.03			
WBWD82	Dakshin Dinajpur	Tapan	Dakshin Harsura 2	Dugwell	20.36	1.24	1.12	4.59	11.35
WBWD83	Dakshin Dinajpur	Tapan	Balapur 1	Dugwell	20		0.62	4.37	12.34
WBWD84	Dakshin Dinajpur	Gangarampur	Shib Bari	Dugwell	10.4	1.09	1.2		2.79
WBWD85	Dakshin Dinajpur	Gangarampur	Madhabpur	TW M-II	91		3.11		2.29
WBWD94	Dakshin Dinajpur	Hilli	Hilli	Dugwell	4.3	1.61			
WBWD95	Dakshin Dinajpur	Hilli	Hilli	Dugwell	6.75	0.64		1.66	2.96
WBWD97	Dakshin Dinajpur	Gangarampur	Durgapur	TW			1.91		2.16
WBWD98	Dakshin Dinajpur	Tapan	Dhelpi	TW			1.48		5.63
WBDL01A	Darjeeling	Kurseong	Sukna	Dug Well	11	3.05	0.2	4.52	7.92
WBDL02A	Darjeeling	Siliguri-Naxalbari	Siliguri	Dug Well		0.42	0.23	1.37	1.97
WBDL04A	Darjeeling	Siliguri-Naxalbari	Naxalbari	Dug Well	3.8	2.44		2.3	2.8
WBDL05	Darjeeling	Kurseong	Sevok	Dug Well	3.63	1.27		4.73	5.25
WBDL06A	Darjeeling	Kharibari-Phansidew	Muraliganj	Dug Well	4.63			2.69	
WBDL07	Darjeeling	Kharibari-Phansidew	Kharibari	Dug Well	7.95	1.17	0.87	3.47	3.25
WBDL08	Darjeeling	Siliguri-Naxalbari	Tirhana	Dug Well	8.42	3.17	1.72	6.4	7.75
WBDL09A	Darjeeling	Kharibari	Batasi	Dug Well	9	4.27			5.95
WBDL10A	Darjeeling	Kharibari	Galgalia	Dug Well	5.98			3.57	
WBDL11	Darjeeling	Kharibari-Phansidew	Bagdogra	Dug Well	8.9	3.48	3.07	4.88	3.27
WBDL12B	Darjeeling	Phansidewa	Ambarimore	Dug Well	12	0.79	0.34	1.94	2.34
WBDL13A	Darjeeling	Kharibari-Phansidew	Phansidewa'95	Dug Well	11.26	2.12	1.48	2.66	3.26
WBDL14	Darjeeling	Siliguri	Siliguri	Dug Well		3.1		5	4.45
WBDL15	Darjeeling	Matigara	Matigara	Dug Well	9	2.54	1.46	6.24	9.18
WBDL16A	Darjeeling	Matigara	Tumbajote	Dug Well		1.52		3.23	3.64
WBDL18	Darjeeling	Phansidewa	Gayaganga Kanthi Vita	Dug Well	7.1	2.97	3.19	3.97	4.94
WBDL19	Darjeeling	Matigara	Methibari	PZ	10.5	1.28	0.66	1.53	1.73
WBDL20	Darjeeling	Naxalbari	Kamalpur	Dug Well	4.3	1.99	1.59	2.57	2.67
WBDL21	Darjeeling	Naxalbari	Naxalbari	Tube Well	132	2.15	1.63	3.27	4.04
WBDL22	Darjeeling	Kharibari	Chakkar Mari	Dug Well	5.7	0.46	0.31	1.27	1.13
WBDL24A	Darjeeling	Phansidewa	Ghosh Pukur	Dug Well		1.8		3.45	6.28
WBDL25A	Darjeeling	Naxalbari	Prasadjyote	Dug Well		0.96	0.82	2.03	2.48
WBDL26	Darjeeling	Kharibari	Demra Vita	Dug Well	5.71	0.65	0.34	1.65	2.52

SL No	District_Name	Block_Name	Site_Name	Well Type	Well Depth	Apr-20	Aug-20	Nov-20	Jan-21
WBDL27	Darjeeling	Kharibari	Kadamani	Dug Well	6.09	1.12	1.04		3.17
WBDL28	Darjeeling	Kharibari	Sonachandi	Dug Well	8.38	1.85	1.19	2.64	3.8
WBDL29	Darjeeling	Phansidewa	Tuta Pakri Basti (Bakulin	Dug Well	8.05	2.95	2.15	3.35	4.35
WBDL30	Darjeeling	Phansidewa	Leusi Pakuri	Dug Well	7.35	1.35	0.71	2.75	3.65
WBDL31	Darjeeling	Kharibari	Kochaiyote	Dugwell	8	1.9	1.37	2.79	2.95
WBDL32	Darjeeling	Phansidewa	Madati	Dugwell	8		1.62	3.8	4.38
WBDL34	Darjeeling	Phansidewa	Rangapani	Dugwell	9	0.83	0.57	1.33	1.33
WBDL35	Darjeeling	Naxalbari	Panighata	Dugwell	9	3.51	1.56	4.54	4.97
WBDL36	Darjeeling	Naxalbari	Jabra More	Dugwell	9	2.54	2.09	4.25	5.93
WBDL37	Darjeeling	Naxalbari	Lalpur	Dugwell	8	0.43	0.28	0.92	0.95
WBDL38	Darjeeling	Kharibari	Dulaljote	Dugwell	9	2.42	2.74	1.77	5.77
WBDL39	Darjeeling	Kharibari	Gurudayal Jote	Dugwell	9	1.71	1.49	3.04	3.14
WBDL40	Darjeeling	Phansidewa	Gangaram Tea Garden	Dugwell	8	3.24	0.69	3.4	6.64
WBDL41	Darjeeling	Phansidewa	Madati	Dugwell	8	2.25		3.06	
WBDL42	Darjeeling	Phansidewa	Baneswar	Dug Well		1.2	0.18	1.97	2.57
WBDL43A	Darjeeling	Phansidewa	Kalaram Ghosh Para	Dug Well		1.4		2.63	3.1
WBDL44A	Darjeeling	Matigara	Methibari			1.25		3.68	
WBDL45	Darjeeling	Siliguri	Chanbarjot	Dug Well		1.05	0.82	2.7	3.38
WBDL47	Darjeeling	Naxalbari	Bagdogra	Dug Well			1.42	2.83	2.33
WBDL48	Darjeeling	Naxalbari	Prasadiyote	Dug Well		1.49	0.76	2.64	3.32
WBHA01A	Haora	Udaynarayanpur	Goalpota	Tube Well	9.95	15.08	13.7	13.7	
WBHA02	Haora	Jagatballavpur	Jagatballavpur	Dug Well	6.35	1.46	0.41	0.41	1.73
WBHA03B	Haora	Amta	Amta	Dug Well		1.44	1.3	1.3	1.93
WBHA05A	Haora	Howrah MC	Howrah Town	Dug Well	4.6	0.48	0.48	0.48	0.57
WBHA06A	Haora	Uluberia II	Uluberia Dug	Dug Well	9	0.5	0.52	0.52	0.85
WBHA07	Haora	Sankrail	Bauria(11/89)	Dug Well	15	0.29	0.38	0.38	0.31
WBHA08B	Haora	Jagatballavpur	Dakshin Maju	Tube Well		11.55	11.95	11.95	12.56
WBHA14	Haora	Uluberia I	Baganda	Dug Well	8.6	0.87	0.77	0.77	1.7
WBHA16A	Haora	Domjur	Domjur Pz	Tube Well		16.06	13.2	13.2	13.83
WBHA18A	Haora	Shyampur II	Bardabar	Tube Well	128		14.65	14.65	
WBHA20B	Haora	Udaynarayanpur	Kumirmora	Dug Well	18				2.83
WBHA21A	Haora	Amta II	Sehagori	Dug Well	8.33	0.2	0.15	0.15	1.05
WBHA22	Haora	Amta II	Joypur	Tube Well	54.86		14.1	14.1	15.18
WBHA23	Haora	Amta I	Amta	Tube Well		14.37	13.27	13.27	13.37
WBHA24A	Haora	Shyampur II	Bergram	Tube Well					13.82
WBHA25A	Haora	Amta I	Amta	Tube Well			14.3	14.3	17.22
WBHA26	Haora	Udaynarayanpur	Singti	Pz	188.39	8.27			11.32
WBHA28A	Haora	Uluberia I	Uluberia	Tube Well	220	14.44	13.96	13.96	13.61
WBHA29	Haora	Panchla	Panchla	Dug Well		0.4			0.77
WBHA30	Haora	Jagatvallavpur	Goalpota	Dug Well	5.45	2.41	2.08	2.08	3.08
WBHA31	Haora	Amta II	Bhategori	Dug Well	13.4	1.34	0.78	0.78	1.98
WBHA32A	Haora	Shyampur II	Sasati (Deora)	Tube Well	211.52	6.5	7.3	7.3	6.68
WBHA35	Haora	Shyampur I	Shyampur	Dug Well	14.44	0.77	0.51	0.51	1.68
WBHA36	Haora	Domjur	Ramrajatala	Dug Well	6.9	0.8	0.87	0.87	1.24
WBHA37	Haora	Bally-Jagacha	Jagacha	Dug Well	22.4	1	1.15	1.15	1.79
WBHA38	Haora	Domjur	Ramrajatala	Dugwell	6.96	0.49	1.21	1.21	1.62
WBHA39	Haora	Bauria	Burikhali	Dug Well		0.22	0.22	0.22	0.53
WBHA40A	Haora	Uluberia	Kalinagar	Dug Well		0.44	0.31	0.31	1.05
WBHA41	Haora	Bagnan	Mugkalyan	Pz		14.87	19.65	19.65	21.69
WBHA42	Haora	Jagatballavpur	Ichapur	Dug Well			1.25	1.25	1.74
WBHA43	Haora	Uluberia	Jagadishpor	Dug Well		0.52			0.32
WBHA44	Haora	Shyampur II	Gobindapur	Dug Well		1.23	1.05	1.05	1.94
WBHA45	Haora	Shyampur I	Shibpur	Dug Well		1.24	0.59	0.59	2.46
WBHG02	Hugli	Balagarh	Balagarh	Dug Well	10.4	0.53			5.01
WBHG03B	Hugli	Srirampur	Uttarpara	Dug Well		0.3	0.35	0.35	0.39
WBHG04	Hugli	Srirampur-Uttarpara	Baidyabati	Dug Well	10.5	0.73	0.18	0.18	0.44
WBHG05	Hugli	Chinsura Mogra	Mogra	Dug Well	6.08	1.36	1.21	1.21	1.84
WBHG07	Hugli	Tarakeshwar	Tarakeswar	Dug Well	7.75	0.38	0.16	0.16	1.76

SL No	District_Name	Block_Name	Site_Name	Well Type	Well Depth	Apr-20	Aug-20	Nov-20	Jan-21
WBHG08	Hugli	Tarakeshwar	Tarakeswar Pz	Pz	60.6		8.63	8.63	12.39
WBHG100	Hugli	Balagarh	Dwarpara	Tube Well		1.82			11.02
WBHG101	Hugli	Balagarh	Dwarpara	Dug Well		1.9	1.1	1.1	1.32
WBHG103	Hugli	Pandua	Kamur	Tube Well		15.8	15.45	15.45	14.58
WBHG105A	Hugli	Balagarh	Rupeshpur	Tube Well			7.85	7.85	9.33
WBHG106	Hugli	Pandua	Champta	Tube Well		15.95			
WBHG107	Hugli	Pandua	Champta	Dug Well		2.25			2.08
WBHG108	Hugli	Pandua	Dash Darun	Tube Well		15.9			14.03
WBHG109	Hugli	Balagarh	Bhalki	Tube Well		16.03			
WBHG110A	Hugli	Balagarh	Ektarpur					10.17	
WBHG111	Hugli	Pandua	Itachuna	Tube Well					16.1
WBHG112	Hugli	Polba - Dodpur	Barbigaha	Tube Well		14.65	14.35	14.35	14.57
WBHG113	Hugli	Polba - Dodpur	Barbigaha	Dug Well		3.08	14.13	14.13	1.8
WBHG114	Hugli	Magra	Naksa More	Tube Well			10.4	10.4	
WBHG115A	Hugli	Balagarh	Bankipur	Tube Well		12.21			
WBHG116	Hugli	Balagarh	Balagarh	Tube Well			5.2	5.2	
WBHG117	Hugli	Magra	Demra	Tube Well			9.05	9.05	
WBHG118	Hugli	Pandua	Mahanad	Pz		15.2			11.91
WBHG119	Hugli	Balagarh	Inchura	Pz		12.3	10.8	10.8	10.35
WBHG120	Hugli	Chuchura	Bandel	Dug Well		1.25	1.3	1.3	2.08
WBHG121	Hugli	Balagarh	Bahira	Dug Well		1.65	1.42	1.42	3.5
WBHG122	Hugli	Balagarh	Tentulia	Dug Well			0.12	-0.12	1.38
WBHG123	Hugli	Balagarh	Balagarh	Tube Well			5.55	5.55	
WBHG124	Hugli	Balagarh	Bakula	Pz		9.27	10.04	10.04	10.4
WBHG125	Hugli	Pandua	Deypara	Dug Well		3.16	1.08	1.08	1.86
WBHG126	Hugli	Balagarh	Bakipur Hattala	Dug Well		2.03			3.57
WBHG127	Hugli	Balagarh	Mashra	Dug Well		0.97	1.12	1.12	2.48
WBHG128	Hugli	Balagarh	Dwarpara	Dug Well		0.75			3.61
WBHG129	Hugli	Magra	Jhapa	Dug Well					3.22
WBHG130	Hugli	Balagarh	Sherpur	Dug Well					4.64
WBHG131	Hugli	Balagarh	Dwarpara	Tube Well		10.94	8.98	8.98	
WBHG132	Hugli	Balagarh	Saranda	Dug Well		1.25	0.6	0.6	2.04
WBHG133	Hugli	Balagarh	Rukeshpur	Dug Well		0.94	0.06	0.06	1.91
WBHG134	Hugli	Pursura	Srirampur Pz	Pz			11.9	11.9	16.09
WBHG135	Hugli	Goghat I	Gohat Pz	Pz		17.85	17	16.3	17.1
WBHG137	Hugli	Balagarh	Kamarpara Pz	Pz			10.9	10.9	11.66
WBHG138	Hugli	Balagarh	Natagarh OW I	Pz		9	8.95	8.95	9.85
WBHG139	Hugli	Balagarh	Natagarh OW II	Pz		9.2	9.45	9.45	9.81
WBHG140	Hugli	Arambagh	Malaypur OW	Pz					15.05
WBHG12	Hugli	Arambagh	Arambagh Pz			14.88			
WBHG14	Hugli	Pandua	Pandua	Dug Well	9.6	0.46	1.78	1.78	3.04
WBHG16	Hugli	Haripal	Nalikul	Dug Well	7.1	0.68	0.67	0.67	2.02
WBHG19	Hugli	Pursura	Digruighat	Tube Well	39.62		6.69	6.69	
WBHG20B	Hugli	Srirampur-Uttarpara	Bhadreswar	Dug Well	7.1	1.13	3.05	3.05	3.13
WBHG21B	Hugli	Polba-Dadpur	Polba	Dug Well	6.85	1.25	1.1	1.1	1.86
WBHG25A	Hugli	Dhaniakhali	Dhanikhali	Tube Well	58.18		12.08	12.08	16.28
WBHG26	Hugli	Srirampur-Uttarpara	Srirampur Pz	Pz	75.7	11.05	9.45	9.45	15.03
WBHG27A	Hugli	Balagarh	Inchura(dhobapara)	Dug Well	10.67	4.73	3.25	3.25	5.13
WBHG28	Hugli	Balagarh	Karola	Dug Well	8	3.93	2.58	2.58	1.34
WBHG29	Hugli	Singur	Singur Pz			14.52			
WBHG30A	Hugli	Haripal	Gopal Prasadpur	Tube Well	43.87			10.85	13.23
WBHG31	Hugli	Haripal	Naity Alipur Pz	Pz	69.05	11.04	13.91	13.91	11.97
WBHG32	Hugli	Goghat II	Kamarpukur Pz	Pz	45	7	7.6	7.6	9.39
WBHG33	Hugli	Arambagh	Haraditya Pz	Pz	45.91	12.95	13.22	13.22	15.96
WBHG34	Hugli	Goghat I	Goghat Pz			19.97			
WBHG35A	Hugli	Khanakul II	Kaknan Pz	Tube Well	67.9		11.95	11.95	16.59
WBHG36	Hugli	Arambagh	Gourhati Pz	Pz	56.04		13.48	13.48	17.43
WBHG40A	Hugli	Chinsura Mogra	Gowa Shallow Pz	Tube Well	7.6		13.99	13.99	15.74

SL No	District_Name	Block_Name	Site_Name	Well Type	Well Depth	Apr-20	Aug-20	Nov-20	Jan-21
WBHG41	Hugli	Pandua	Khanyan Deep Pz	Pz	174	15.24	14.8	14.2	14.87
WBHG43A	Hugli	Pandua	Itachuna Deep	Tube Well	170	16.95	15.85	15.85	
WBHG46	Hugli	Chinsura Mogra	Sahaganj Inter	Pz	101				
WBHG52	Hugli	Chanditala II	Garalgacha	Pz	43.52	13.95	11.7	11.7	12.38
WBHG55	Hugli	Jangipara	Jangipara			14.7			
WBHG59	Hugli	Pursura	Jangalpara	Pz	24.68				16.29
WBHG60	Hugli	Pursura	Pursura			15.6			
WBHG61	Hugli	Goghat II	Kanthali					13.1	
WBHG62	Hugli	Goghat I	Pandugram	Pz	60.87	14.4	12.6	12.6	15.56
WBHG63A	Hugli	Goghat I	Shyambazar	Tube Well	37.67		14.85	14.85	
WBHG67A	Hugli	Khanakul-I	Chackbedua	Tube Well		11.68	11.85	11.85	16.35
WBHG68	Hugli	Jangipara	Dilakash	Pz	42.96		7.94	7.94	14.08
WBHG70	Hugli	Goghat II	Mandaran	Pz	54.86		11.03	11.03	11.19
WBHG71	Hugli	Balagarh	Inchura	Pz	50	8.76	8.71	8.71	9.5
WBHG72	Hugli	Pandua	Pandua	Pz	74.57	17.81	17.2	17.2	16.72
WBHG73A	Hugli	Srirampur-Uttarpara	Srirampur	Tube Well	75.7	13.9	12.8	12.8	
WBHG74	Hugli	Chinsura Mogra	Bhadeshwar	Pz	75	14.52	11.9	11.9	12.64
WBHG77	Hugli	Khanakul I	Ghoshpur	Pz	51.8	13	12.6	12.6	19.14
WBHG78	Hugli	Srirampur-Uttarpara	Uttarpara (Kotrang)	Dug Well	6.5	0.56	0.71	0.71	0.86
WBHG79	Hugli	Pandua	Khanyan	Pz	70	17	16.05	16.05	16.15
WBHG80	Hugli	Tarakeshwar	Chapadanga	Pz	60.96	12.58	11.08	11.08	15.17
WBHG81	Hugli	Arambagh	Patulsara	Pz	37.78	15.23	14.16	14.16	15.04
WBHG82	Hugli	Chanditala II	Krishnarampur	Pz	70	12.72	8.83	8.83	11.35
WBHG83	Hugli	Haripal	Gobarhanra	Pz	70	12.15	10.42	10.42	14.67
WBHG84	Hugli	Pursura	Masinan			11.72			
WBHG85	Hugli	Goghat II	Hazapur	Pz	31.76	16.59	15.49	15.49	15.46
WBHG86	Hugli	Arambagh	Puin	Pz	57		12.97	12.97	11.24
WBHG87	Hugli	Tarakeshwar	Muktapur	Pz	50	11.96	11.79	11.79	15.81
WBHG90	Hugli	Dhaniakhali	Dasghara	Tube Well	69.98				
WBHG92A	Hugli	Balagarh	Jirat	Dug Well	6.3	0.87	0.57	0.57	1.58
WBHG93	Hugli	Pandua	Mandolai (Deypara)	Pz	40	12.96	15.44	15.44	15.69
WBHG94	Hugli	Polba-Dadpur	Mahanad	Pz	94.08	15.27	10	10	17.96
WBHG95	Hugli	Polba-Dadpur	Rajhat	Dugwell	4.57	1.64	1.04	1.04	2.3
WBHG96	Hugli	Arambagh	Batanol	Pz	54.86		15.68	15.68	14.31
WBHG97	Hugli	Tarakeshwar	Aknapur	Pz	50	12.2	9.65	9.65	13.99
WBHG98	Hugli	Balagarh	Guptipara	Tube Well		11.37	9.85	9.85	6.1
WBHG99	Hugli	Balagarh	Dhobapara	Tube Well			8.75	8.75	
WBJL01	Jalpaiguri	Kumargram	Kumargram	Dug Well	3.4	0.83			
WBJL02B	Jalpaiguri	Kalchini	Hasimara	Dug Well		2.65	1.24	4.19	6.45
WBJL03	Jalpaiguri	Kalchini	Madarihat	Dug Well	5.39	0.75	0.54	2.35	3.4
WBJL04	Jalpaiguri	Falakata	Falakata	Dug Well	5.3	2.6	1.37	4.65	
WBJL05A	Jalpaiguri	Nagrakata	Nagrakata	Dug Well	13.1	4.85	3.94	8.65	9.3
WBJL06	Jalpaiguri	Matiali	Chalsa	Dug Well	5.96	0.4	0.99	2.52	4.75
WBJL08A	Jalpaiguri	Maynaguri	Moynaguri	Dug Well	5.86	0.92		2.86	4.45
WBJL09	Jalpaiguri	Jalpaiguri Sadar	Jalpaiguri	Dug Well	4.39	1.14	1.42	1.43	2.4
WBJL10C	Jalpaiguri	Rajganj	Salugara	Dug Well	18			7.15	
WBJL11	Jalpaiguri	Mal	Odlabari	Dug Well	2.96	1.13	1.2	1.83	2.78
WBJL13A	Jalpaiguri	Kalchini	Jaigaon	Dug Well	21.78	11.27		18.12	22.7
WBJL15	Jalpaiguri	Dhupguri	Gayerkata	Dug Well	4.23	1.87	1.59	3.42	3.35
WBJL16B	Jalpaiguri	Dhupguri	New Salbarihat	Dug Well	6.24	0.62	0.02	1.97	3.9
WBJL17	Jalpaiguri	Matiali	Lataguri	Dug Well	5.1	1.14	1.24	2.26	3.45
WBJL18	Jalpaiguri	Rajganj	Rajganj	Dug Well	8.7	2.01	1.33	5.35	9.3
WBJL19A	Jalpaiguri	Rajganj	Jatiakhali More	Dug Well	8.88		0.26	1.2	
WBJL20	Jalpaiguri	Rajganj	Hathi More	Dug Well	9.85		1.92	3.95	6.27
WBJL21	Jalpaiguri	Rajganj	Indramore	Dug Well	12	0.66	0.44	1.9	4.73
WBJL22	Jalpaiguri	Jalpaiguri Sadar	Raninagar	Dug Well	9.6	1.37	0.47	2.55	3.1
WBJL23	Jalpaiguri	Jalpaiguri Sadar	Konpakuri	Dug Well	10.36		2.69		
WBJL24	Jalpaiguri	Alipurduar II	Bhatibari	Dug Well	5.77		1.29	3.85	

SL No	District_Name	Block_Name	Site_Name	Well Type	Well Depth	Apr-20	Aug-20	Nov-20	Jan-21
WBJL25	Jalpaiguri	Kumargram	Barovisa More	Dug Well	5.56	1.24		4.82	5.01
WBJL26C	Jalpaiguri	Alipurduar I	Alipurduar	Dug Well	8	0.19	0.88	3.35	4.75
WBJL28A	Jalpaiguri	Dhupguri	Karbola	Dug Well	10.4	1.6	3.57	5.75	7.68
WBJL29B	Jalpaiguri	Falakata	Jateswar	Dug Well	8.53	0.1	0.12	2.18	3.4
WBJL30	Jalpaiguri	Rajganj	Gadra					3.55	
WBJL31	Jalpaiguri	Jalpaiguri Sadar	Berubari	Dug Well	8.25	1.1	0.95	1.93	3.3
WBJL32	Jalpaiguri	Jalpaiguri Sadar	Ghugudanga	Dug Well	4.16	0.63	0.57	1.35	3.53
WBJL33	Jalpaiguri	Jalpaiguri Sadar	Purba Kumarpara	Dug Well	9.49	0.75	0.53	1.87	2.7
WBJL34	Jalpaiguri	Nagrakata	Khairbari	Dug Well	5.5	1.18	2.22	3.82	2.12
WBJL36A	Jalpaiguri	Malbazar	Baradighi	Dug Well	7.5	1.26		4.11	3.52
WBJL37A	Jalpaiguri	Madarihat	Uttar Shishubari	Dug Well			1.93	3.25	
WBJL38	Jalpaiguri	Alipurduar I	Ghargharia	Dug Well	7.5	0.83	0.47	4.28	5.18
WBJL39	Jalpaiguri	Alipurduar II	Salsalabari	Dug Well	6.5	0.6	0.42	3.58	
WBJL41	Jalpaiguri	Jalpaiguri Sadar	Phulwari Debgram Hat	Dug Well	8.4	1.28	0.3		
WBJL42	Jalpaiguri	Maynaguri	Mangalghat, Rakhhal Dev	Dug Well	6.2	0.95	0.45	2.42	3.42
WBJL43	Jalpaiguri	Jalpaiguri Sadar	Panda Para Kalibari	Dug Well	47	1.11	2.03	1.97	3.36
WBJL44	Jalpaiguri	Maynaguri	Bolbari (Laskarhat)	Dug Well	5.4	0.84		3.04	3.15
WBJL45	Jalpaiguri	Maynaguri	Moynaguri	Pz	3.95	2.45	1.22	2.68	
WBJL46	Jalpaiguri	Maynaguri	Brahmapur Bazar	Dug Well	8.35	0.76	0.54	1.8	2.66
WBJL47	Jalpaiguri	Kumargram	Kamekshaguri (Shantin	Dug Well	21	0.3	0.37	2.71	3.7
WBJL48	Jalpaiguri	Kumargram	Hemaguri	Dug Well	4.7	0.52	1.12	2.7	2.95
WBJL49	Jalpaiguri	Kalchini	Dabri	Dug Well	18	1.37	1.12	2.24	2.54
WBJL51A	Jalpaiguri	Dhupguri	Millpara	Dug Well	20			3.28	3.65
WBJL52	Jalpaiguri	Mal	Purba Tesimala	Dug Well	4.2	2.18		2.85	2.75
WBJL53	Jalpaiguri	Rajganj	Fatapukur	Dug Well	10.88	0.99		2.54	4.76
WBJL54	Jalpaiguri	Jalpaiguri Sadar	Dus Doroga	Dug Well		0.68	0.57	1.82	2.68
WBJL55	Jalpaiguri	Kumargram	Bara Daldali					2.41	
WBJL56	Jalpaiguri	Falakata	Bengkandi	Dug Well	7.46	2.97	1.77	4.8	4.69
WBJL57A	Jalpaiguri	Alipyrduar I	Birpara	Tube Well		1.37		2.36	3.02
WBJL58	Jalpaiguri	Kalchini	Milpara Pampu Basti	Dug Well	10.24	0.31	0.37	2.15	2.35
WBJL59	Jalpaiguri	Rajganj	Bandhunagar					3.46	
WBJL60	Jalpaiguri	Rajganj	Gathigadge					2.77	
WBJL64	Jalpaiguri	Dhupguri	Khali Gram	Dugwell	9	0.56	0.45	2.82	3.77
WBJL65	Jalpaiguri	Rajganj	Radhabari	Dugwell	9				
WBJL66	Jalpaiguri	Rajganj	Andgad Gadge	Dugwell	8	0.43	0.4	1.92	2.89
WBJL67	Jalpaiguri	Rajganj	Kaluwar Bari	Dugwell	9	1.87	2.57	4.87	6.4
WBJL68	Jalpaiguri	Rajganj	Belakoba Hospital Para					2.87	
WBJL69	Jalpaiguri	Jalpaiguri Sadar	Jhabari More	Dugwell	8	0.31	0.72	2.15	4.4
WBJL70	Jalpaiguri	Maynaguri	Madhaboanga	Dugwell	7	0.39	0.12		1.27
WBJL71	Jalpaiguri	Maynaguri	Boulbari	Dugwell	9	1.72	0.76	3.65	3.61
WBJL73	Jalpaiguri	Kumargram	Madhya Kameksha	Dugwell	8	0.71	0.15	2.68	3.3
WBJL74	Jalpaiguri	Kumargram	Telipara	Dugwell	7	1.03	1.19	3.57	4.27
WBJL76	Jalpaiguri	Kalchini	Raja Bhat Khawa	Dugwell	9	0.51	1.62	2.35	2.57
WBJL78	Jalpaiguri	Madarihat	Madhya Ragali Bajna	Dugwell	8		0.21	0.57	2.87
WBJL79	Jalpaiguri	Dhupguri	Gilandi Club Para	Dugwell	8	1.58	1		3.19
WBJL80	Jalpaiguri	Nagrakata	Nagrakata Club	Dugwell	9	1.05	1.82	4.4	7.05
WBJL81	Jalpaiguri	Matiali	Mahabari	Dugwell	9	1.42	2.33	6.6	9.67
WBJL82	Jalpaiguri	Malbazar	Damdim	Dugwell	9	0.58	1.1	4.53	5.59
WBJL83	Jalpaiguri	Rajganj	Balaigachh	Dugwell	9		0.88	3.73	4.79
WBJL84	Jalpaiguri	Nagrakata	Sulkapara	Dugwell	9	1.6	2.47	4.26	4.84
WBJL85	Jalpaiguri	Jalpaiguri Sadar	Rajganj-fatapukur	Dug Well		1.07	0.69	1.88	
WBJL87	Jalpaiguri	Kumargram	Ghoramara	Dug Well		0.59	1.47	0.97	3.32
WBJL88	Jalpaiguri	Kumargram	Ghoksapara	Dug Well		0.83	1.04	2.5	3.27
WBJL89	Jalpaiguri	Jalpaiguri Sadar	Radhanagar	Dug Well		0.68	1.47		4.3
WBJL90	Jalpaiguri	Maynaguri	Madav Danga	Dug Well		0.52	0.37		2.38
WBJL91A	Jalpaiguri	Maynaguri	Chakmaulani	Dug Well		0.85		2.35	2.55
WBJL92	Jalpaiguri	Maynaguri	Daribiza	Dug Well		2.11	2.01	3.13	3.31
WBJL93	Jalpaiguri	Madarihat	Madhya Ragali Bajna	Dug Well		0.48	0.49	1.66	3.03

SL No	District_Name	Block_Name	Site_Name	Well Type	Well Depth	Apr-20	Aug-20	Nov-20	Jan-21
WBJL94	Jalpaiguri	Mal	Rangamati Overbridge	Dug Well		2.27	2.94	4.18	4.24
WBKB01B	Kochbehar	Coochbehar I	Coochbehar Town	Dug Well	4.41	0.89	0.82	1.83	3.05
WBKB02A	Kochbehar	Dinhata I	Dinhata	Dug Well	4.76			2.53	
WBKB03C	Kochbehar	Toofanganj I	Tufanganj	Dug Well	7.62	0.58	1.38	3.7	4.26
WBKB04	Kochbehar	Sitalkuchi	Sitalkuchi	Dug Well	8.16	0.44	0.24	1.74	2.34
WBKB05B	Kochbehar	Haldibari	Haldibari	Dug Well	5.5	0.25		1.94	3.1
WBKB06	Kochbehar	Mekhliganj	Mekhliganj	Dug Well	6.03	1.3	0.79	2	
WBKB07	Kochbehar	Coochbihar I	Dewanhat	Dug Well	5.87	1.08	1.07	2.32	3.22
WBKB08	Kochbehar	Dinhata I	Gitaldaha	Dug Well	8.1	0.82		2.9	4.8
WBKB09A	Kochbehar	Mathabhanga II	Angrarakata	Tube Well	5.53	1.11		1.98	
WBKB10	Kochbehar	Mathabhanga I	Mathabhanga	Dug Well	5.86	1.4	1.6	3.1	2.73
WBKB11A	Kochbehar	Mathabhanga I	Majherbari	Dug Well	5.5	0.8	0.35	2.68	3.7
WBKB12	Kochbehar	Coochbihar I	Dudherkuti	Dug Well	4.63	1.79	1.71	3.16	3.79
WBKB13A	Kochbehar	Mekhliganj	Changrabandha	Dug Well	5.44	0.55		1.96	
WBKB14A	Kochbehar	Toofanganj I	Balarampur(4/98	Dug Well	8.6	0.75	0.99	3.49	4.85
WBKB15A	Kochbehar	Dinhata II	Sahebganj	Dug Well	6.78			3.25	
WBKB16A	Kochbehar	Sitai	Adabari-silduar	Dug Well	6.54	1.25	0.73	3.18	3.81
WBKB17C	Kochbehar	Toofanganj I	Chilakhana	Dug Well	6.15	0.82		3.36	4.25
WBKB18	Kochbehar	Mathabhanga I	Khasbasd'kamari	Dug Well	6	0.76	0.38	1.86	2.64
WBKB20	Kochbehar	Mekhliganj	Dhaphrahat	Dug Well	8.6	0.5	0.58	1.46	2.38
WBKB21	Kochbehar	Dinhata II	Gosanimari	Dug Well	6.05	2.15	2.62	3.63	4.23
WBKB22	Kochbehar	Sitai	Sitai	Dug Well	5.75	1.05	1.29	3.31	3.75
WBKB23	Kochbehar	Toofanganj II	Bakshirhat	Dug Well	4.75	0.85	0.25	1.91	2.39
WBKB24A	Kochbehar	Sitalkuchi	Bara Pinjarir Jhar	Dug Well		1.62	1.3	2.28	2.58
WBKB25	Kochbehar	Mathabhanga II	Ghoksadanga	Dug Well	5.8	1.2	0.6	2.82	3.8
WBKB26	Kochbehar	Mathabhanga I	Hazra Hat	Dug Well					
WBKB27A	Kochbehar	Toofanganj II	Bochamari	Dug Well				2.8	
WBKB31	Kochbehar	Coochbihar I	Kochbehar	Dug Well	8	0.43	0.48	1.01	1.48
WBKB32A	Kochbehar	Coochbihar II	Baneswar	Dug Well	5.55	0.98		2.83	
WBKB34	Kochbehar	Haldibari	Kasiabari	Dugwell	6			1.62	
WBKB37A	Kochbehar	Mekhliganj	Merigipur	Dug Well		0.2	0.06	0.52	1.08
WBKB39B	Kochbehar	Mathabhanga I	Ratanpur	Dug Well		1.73		2.4	
WBKB40	Kochbehar	Mathabhanga I	Bhogranguri	Dugwell	8	0.59	0.31	1.94	2.95
WBKB41	Kochbehar	Sitalkuchi	Gosaier Hat	Dugwell	8	0.17	0.15	1.45	2
WBKB42	Kochbehar	Dinhata II	Sahebganj	Dugwell					2.6
WBKB43	Kochbehar	Coochbihar I	Nababganj	Dug Well		0.69	0.71	2.02	2.76
WBKB45A	Kochbehar	Mekhliganj	Panishla	Dug Well			0.89	2.03	2.75
WBKB46	Kochbehar	Dinhata II	Sahebganj	Dug Well		0.95	2.27	2	2.9
WBKB47A	Kochbehar	Dinhata II	Nazirhat	Dug Well		0.97		2.3	
WBMD01A	Maldah	English Bazar	Nemasarai	Tube Well	36.58	7.34	2.1		5.78
WBMD04A	Maldah	Habibpur	Habibpur	Dug Well	12.17	3.38		1.22	2.22
WBMD06	Maldah	Gajol	Deotala	Dug Well	8.45	0.77	0.86	1.09	0.88
WBMD07C	Maldah	Bamangola	Bamangola	Tube Well	15.54	5.18	0.56	2.21	5.29
WBMD09B	Maldah	English Bazar	Battaly(11/97)	Dug Well	8.7	2.22	0.8	1.54	2.06
WBMD11	Maldah	Old Malda	Mochia	Dug Well	10.43	4.94	1.81		2.42
WBMD12	Maldah	English Bazar	Bholanathpur	Dug Well	7.58	0.87	0.32	0.58	0.8
WBMD14	Maldah	Old Malda	Malda Town	Dug Well	16.2	1.54	0.94	1.79	3.47
WBMD15	Maldah	Gajol	Masandighi	Dug Well	16.54	2.03	0.81	2.43	5.22
WBMD16A	Maldah	Gajol	Pandua	Dug Well	19.5	1.77		1.1	
WBMD17A	Maldah	Ratua II	Ratua	Dug Well	8.6		1.06	3.36	5.08
WBMD21	Maldah	Ratua I	Bhaluka Pz (SWID)	Pz				4.19	
WBMD22	Maldah	Gajol	Gajol	Dug Well	13.64		1.99	1.31	3.68
WBMD23C	Maldah	Habibpur	Bulbulchandi	Dug Well				9.12	
WBMD27	Maldah	Bamangola	Makuli	Dug Well	16.4	0.95	0.63		3.19
WBMD29	Maldah	English Bazar	Milky	Dug Well	8.94	5.1	0.68	2.04	4.21
WBMD31B	Maldah	Manikchak	Begamganj	Dug Well	16.4	4.73	0.52	2.67	4.23
WBMD32A	Maldah	Ratua I	Shamsi	Dug Well	9.75				2.74
WBMD37B	Maldah	Ratua I	Debipur	Dug Well	10.15	4.73	1.01	3.71	1.17

SL No	District_Name	Block_Name	Site_Name	Well Type	Well Depth	Apr-20	Aug-20	Nov-20	Jan-21
WBMD40	Maldah	Harishchandrapur I	Tulsihata	Tube Well	33.528	3.83	1.15		2.67
WBMD41	Maldah	Harishchandrapur	Baroduari	Tube Well	82.296	4.22	2.46		4.11
WBMD42	Maldah	Ratua I	Ratua	Tube Well	94.49	3.83	3.39		5.07
WBMD46A	Maldah	Kaliachak III	Doriapur	Tube Well	21.94		2.62	1.3	4.55
WBMD47	Maldah	Kaliachak III	17 Mile	Tube Well	39.624	2.51	3.38	2.1	2.87
WBMD48	Maldah	Kaliachak III	Mahajantala	Tube Well	39	1.66			3.65
WBMD49	Maldah	Kaliachak III	16 Mile	Tube Well	39	2.46	1.03	2.15	1.29
WBMD55	Maldah	Gajol	Gazole	Pz			11.85		16.91
WBMD58	Maldah	Kaliachak III	Birnagar(1)	Dug Well	7.14				2.28
WBMD59	Maldah	Kaliachak III	Birnagar(2)	Dug Well	6.45	1.91	0.67	1.55	3.06
WBMD60	Maldah	Kaliachak I	Khaschandpur (Makku S	Dug Well	7.08	9.28	1.66	2.94	2.03
WBMD61	Maldah	Kaliachak II	Puratan Pataldanga	Dug Well	8.02				2.76
WBMD62	Maldah	English Bazar	Choto Mohanpara (1)	Dug Well	10.2				4.97
WBMD63	Maldah	English Bazar	Choto Mohanpara (2)	Dug Well	10.23	5.25	2.32	3.48	4.85
WBMD64	Maldah	English Bazar	Choto Mohanpara (3)	Dug Well		5.59	1.78	3.72	
WBMD66	Maldah	Manikchak	Mohana (1 )	Dug Well	8.2	4.07	1.08	2.75	4.28
WBMD67	Maldah	Manikchak	Mohana (2 )	Dug Well	8.2	4.58	1.63	2.88	3.87
WBMD68	Maldah	Manikchak	Mohana (3 )	Dug Well	6.2	6.93	3.08		4.09
WBMD69	Maldah	Manikchak	Mohana (4 )	Dug Well		5.62		2.74	
WBMD70	Maldah	Manikchak	Begamganj (1)	Dug Well				2.62	
WBMD71	Maldah	Ratua I	Ratanpur Hat (Samshi)	Dug Well	9.7				1.33
WBMD73	Maldah	Gajol	Matol	Dug Well	15.3	2.49	1	1.75	3.06
WBMD75	Maldah	Gajol	Pandua 1	Dug Well	29.7	6.5	0.3	1.49	6.04
WBMD76	Maldah	Ratua II	Pirgai	Dug Well		6.02			
WBMD77A	Maldah	Habibpur	Habibpur	Dug Well				23.63	
WBMD79	Maldah	Habibpur	Kokabirni Tajpur	Dugwell	15.96	1.94	0.25	1.37	2.89
WBMD80	Maldah	Gajol	Ghoksol	Dugwell	16.8			1.43	2.64
WBMD81	Maldah	Gajol	Adina	Dugwell	20.17			0.83	3.36
WBMD82	Maldah	Kaliachak I	Kaliachawk	Dug Well				2.65	
WBMD83	Maldah	Kaliachak I	Kaliachawk	Dugwell	7.35			1.83	2.84
WBMD85	Maldah	Bamongola	Paikpara	Dug Well				0.49	
WBMD86	Maldah	Bamongola	Paikpara	Dugwell	19.8	1.88	2.05	1.95	2.97
WBMD87	Maldah	Bamongola	Charakdanga	Dugwell	15.85	1.01	0.93	0.8	0.83
WBMD88	Maldah	Bamongola	Nalagola	Dugwell	12.22	0.38	0.23	1.37	2.2
WBMD89	Maldah	Kaliachak I	Pagla Bridge	Tube Well		6.13	1.13	1.95	2.61
WBMD90	Maldah	Gajol	Ghatsol	Tube Well		20.11	16.09		22.31
WBMD91	Maldah	Gajol	Matal	Tube Well		2.54	2.39		7.41
WBMD93	Maldah	Gajol	Gazole	Dug Well		0.32	1.31	1.24	2.96
WBMD95	Maldah	Chachal li	Jalalpur	Pz		8.32	5.72	5.96	5.59
WBMD98	Maldah	Gajol	Panchamukhi	Dug Well			2.68	3.36	8.04
WBMD99	Maldah	Kaliachak Iii	Doriapur	Dug Well		3.12			
WBMD100	Maldah	Areadanga	Sripur	Tube Well		3.47	5.44		3.51
WBMD102	Maldah	Kaliachak-II	Mothabari	Pz		8.25	2.61		3.92
WBMD103	Maldah	Gajol	Agampur	Dug Well		2.64	2.46		3.38
WBMD104	Maldah	Old Malda	Thakurbari	Dug Well		2.96	1.31		4.71
WBMP219	Mednipur	Gopiballavpur-li	Topsia	Tube Well			8.97	8.4	10.09
WBMB 100	Murshidabad	Nabagram	Mahadipur	Tube Well	35	10.77	9.6	10.32	14.96
WBMB02	Murshidabad	Mur-Jiaganj	Jiaganj	Dug Well	11.19			5.15	5.13
WBMB05B	Murshidabad	Beldanga I	Ramnagar Pz	Pz	60	3.75	2.11	6.87	4.42
WBMB06A	Murshidabad	Kandi	Kandi	Dug Well	8.75	1.49	1.62	2.02	2.19
WBMB09	Murshidabad	Bharatpur I	Bharatpur Pz-2	Pz	127	19.3	18		18.38
WBMB101A	Murshidabad	Raghnathganj I	Barala	Tube Well	40	18.73	18.41	18.19	17.87
WBMB102B	Murshidabad	Sagardighi	Manigram	Tube Well		26.14	24.46	13.63	31.93
WBMB103	Murshidabad	Barwan	Andi	Pz	26.5		21.2		20
WBMB104	Murshidabad	Nabagram	Narayanpur	Pz		20.1	18.75	18.78	
WBMB108	Murshidabad	Khargram	Mahisar	Pz	31.9		22.5	9.84	0.6
WBMB109	Murshidabad	Khargram	Jhilli	Pz	47.9				
WBMB113	Murshidabad	Sagardighi	Megha - Sihara	Pz	49.4		22.5	12.13	0.6

SL No	District_Name	Block_Name	Site_Name	Well Type	Well Depth	Apr-20	Aug-20	Nov-20	Jan-21
WBMB114	Murshidabad	Barwan	Panchthupi	Pz	39.4		17.76	7.86	17.66
WBMB119	Murshidabad	Bharatpur II	Tenya	Pz	49.7		7.3	8.81	9.84
WBMB11A	Murshidabad	Jalangi	Jalangi	Dug Well	7.03	5.24	2.8	3.93	3.96
WBMB12	Murshidabad	Raninagar I	Hurshi	Dug Well	8.23			5.05	
WBMB122	Murshidabad	Hariharpara	Swaruppur	Pz	49.9			5.37	7.64
WBMB123	Murshidabad	Noada	Amtala	Pz	49.4			5.89	5.41
WBMB126	Murshidabad	Domkal	Dubapara	Pz	49.4			5.78	5.04
WBMB127	Murshidabad	Beldanga I	Bhabta	Pz	46.9		1.84	10.96	3.94
WBMB130	Murshidabad	Bharatpur II	Simulia	Pz	49.7		24.04		23.97
WBMB133	Murshidabad	Kandi	Rasorah	Pz	46.2		17.47	20.01	18.56
WBMB134	Murshidabad	Kandi	Purandarpur	Pz	48.4		20.03	12.82	21.89
WBMB135	Murshidabad	Baharampur	Madhupur	Pz	47.4		17.6	7.25	14.67
WBMB138	Murshidabad	Beldanga II	Manikyahar	Pz	46.4			6.82	6.88
WBMB13C	Murshidabad	Baharampur	Daulatabad	Dug Well	8.08	0.88	0.13	3.2	3.77
WBMB140	Murshidabad	Lalgola	Pustampur	Pz	49.1		1.8		5.91
WBMB143	Murshidabad	Nabagram	Polsonda	Pz	47.4			25.18	0.6
WBMB149	Murshidabad	Baharampur	Nagrajol	Pz	32.4			3.72	
WBMB150	Murshidabad	Beldanga II	Saktipur	Tube Well		4.23	3.25	6.72	5.24
WBMB152	Murshidabad	Mur-Jiaganj	Raichandpur	Dug Well	10.67	3.65	0.6	4.56	2.82
WBMB153	Murshidabad	Baharampur	Daulatabad	Tube Well		0.97	1.75		3.51
WBMB154	Murshidabad	Beldanga I	Swarupnagar	Dug Well	13.72	1.55	1.57	2.01	2.45
WBMB155	Murshidabad	Kandi	Ranagram	Tube Well	60.96		22.65	4.88	19.03
WBMB156	Murshidabad	Kandi	Gobarhati	Tube Well	76.2	27.25	23.92	5.61	23.68
WBMB157	Murshidabad	Kandi	Gokarna	Tube Well	60.96	23.56	22.12	14.08	23.86
WBMB158	Murshidabad	Kandi	Manoharpur	Tube Well	54.86	17.68	18.41	6.61	20.89
WBMB15A	Murshidabad	Jalangi	Sagarpara	Dug Well	8.08	3.79	2.95	2.28	3.03
WBMB160	Murshidabad	Bharatpur II	Dakshin Khandagram	Tube Well	54.86	22.27	21.2	6.17	21.46
WBMB163	Murshidabad	Beldanga II	Bazar Sou	Tube Well	45	2.79	4.1	7.24	3.71
WBMB164	Murshidabad	Bharatpur I	Lohadaha	Tube Well	49	7.18	2.7	6.33	8.86
WBMB165	Murshidabad	Noada	Amtala	Tube Well	45	6.65	3.93	6.95	
WBMB166A	Murshidabad	Bhagawangola II	Kashipur	Tube Well	30	4.81	2.4	4.66	3.84
WBMB167	Murshidabad	Bhagawangola II	Nasipur	Tube Well	30	5.25	1.87	3.43	6
WBMB168	Murshidabad	Baharampur	Sialmara	Tube Well	30	9.48	11.4	8.74	
WBMB169	Murshidabad	Bhagawangola I	Kalokhali	Tube Well	45	4.25	2.87	3.78	3.76
WBMB170	Murshidabad	Raninagar-I	Islampur Tw	Tube Well		6.09	1.82	5.92	5.86
WBMB171	Murshidabad	Raninagar-li	Nabipur Tw	Tube Well		3.01	2.2	2.93	3.91
WBMB172	Murshidabad	Raninagar-li	Kaharpara Pz	Pz		5.5	3.22	3.96	4.49
WBMB173	Murshidabad	Harirpura	Tartipur	Tube Well			3.5		6.36
WBMB174	Murshidabad	Hariharpur	Kholilabad	Tube Well		3.31	0.94	3.18	3.34
WBMB176	Murshidabad	Sagardighi	Sagar Dish	Tube Well			27.68	6.38	27.53
WBMB177A	Murshidabad	Naoda	Patakbari	Dug Well		5.72	2.4	3.61	6.87
WBMB178	Murshidabad	Hariharpur	Nasipur	Tube Well		2.91	1.9	3.05	4.06
WBMB179	Murshidabad	Jiaganj	Lalbagh	Tube Well		3.66	2.34	2.72	3.08
WBMB180	Murshidabad	Hariharpara	Baruipara	Tube Well				4.18	2.85
WBMB24A	Murshidabad	Lalgola	Lalgola Pz-2	Tube Well	54.85		2.6	2.39	3.54
WBMB32	Murshidabad	Kandi	Gokarna	Pz	54.2	23.36	23.03	22.91	22.81
WBMB33A	Murshidabad	Beldanga I	Begunbari	Dug Well	6.2		1.05	2.27	1.49
WBMB35	Murshidabad	Raninagar II	Paranpur	Dug Well	15.2	4.4	2.13	3.09	4.58
WBMB38	Murshidabad	Barwan	Kuli Pz	Pz	46.17		25.69		
WBMB39	Murshidabad	Suti II	Aurangabad Pz	Pz	49.46				4.18
WBMB40	Murshidabad	Raghunathganj I	Raghunathganj	Dug Well	5.48	0.6	0.51	2.55	0.88
WBMB41C	Murshidabad	Bharatpur II	Salar	Tube Well	40			5.02	23.36
WBMB45	Murshidabad	Domkal	Goas Pz	Pz	57	5.15	2	12.16	5.93
WBMB50A	Murshidabad	Farakka	Arjunpur Pz	Dug Well	43.69	2.71	1.24	3.28	2.82
WBMB55	Murshidabad	Samserganj	Natun Malancha	Dug Well	10.2	2.34	0.37	2.9	2.44
WBMB61A	Murshidabad	Farakka	Jorpukuria	Tube Well	39.624			6.59	
WBMB67	Murshidabad	Samserganj	Churapukur	Dug Well	9.2	5.11		4.59	
WBMB70B	Murshidabad	Bharatpur I	Gangedda	Dug Well	10.97	1.63	1.2	1.78	2.94



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WBMB71	Murshidabad	Bharatpur II	Salinda-nabapally	Tube Well	15			5.26	16.71
WBMB72A	Murshidabad	Khargram	Khargram	Pz	40.34	25.17	25.62	24.99	24.83
WBMB73	Murshidabad	Beldanga I	Mirzapur	Tube Well	45	0.62	0.83	3.91	3.05
WBMB74	Murshidabad	Noada	Piprakhali	Tube Well	37			2.52	4.45
WBMB75A	Murshidabad	Noada	Chandipur	Dug Well	11	6.52	2.9	6.44	6.62
WBMB77	Murshidabad	Domkal	Gobindapur	Dug Well	6.31	2.92	1.92	2.81	3.55
WBMB78A	Murshidabad	Baharampur	Pakamati	Tube Well	22	8.25		9.28	16.96
WBMB79	Murshidabad	Mur-Jiaganj	Ranjitpara	Tube Well	23			2.74	3.27
WBMB80A	Murshidabad	Lalgola	Panditpur Pz	Pz	35.05	6.47	2.18	6.99	9.03
WBMB83	Murshidabad	Raninagar I	Beikibagan	Tube Well	16	4.9	2.7	5.47	4.06
WBMB84A	Murshidabad	Raninagar II	Kuptala	Dug Well	6.74	3.98	1.83	3.21	3.2
WBMB88A	Murshidabad	Raghunathganj I	Mirzapur Jain Colony	Dug Well	16.49	3.07	12.39	6.03	12.85
WBMB89A	Murshidabad	Raghunathganj II	Tehghari-rampura	Tube Well	22			5.15	
WBMB91	Murshidabad	Bhagawangola II	Saidpur	Dug Well	9	5.69	2.16	3.76	4.56
WBMB92A	Murshidabad	Beldanga II	Rejinagar	CGWB Pz	22	2.05	1.1	10.64	3.26
WBMB93	Murshidabad	Bharatpur I	Kanchan Garia	Tube Well	40			9.02	
WBMB96	Murshidabad	Kandi	Jibanti	Tube Well	40	13.22	11.3	5.79	13.2
WBMB97A	Murshidabad	Kandi	Purandarpur Pz	Tube Well	49.5	20.31		5.63	21.36
WBMB98A	Murshidabad	Khargram	Sherpur	Tube Well	40	24.36	27.53	24.2	23.02
WBMB99B	Murshidabad	Nabagram	Panchgram	Tube Well	42.67		16.75	25.78	25.94
WBND01	Nadia	Kaliganj	Palassey	Dug Well	6.36	1.18	-0.14	2.34	3.65
WBND03	Nadia	Karimpur I	Karimpur	Dug Well	8.32	0.6	0.42	1.16	2.42
WBND04E	Nadia	Tehatta-I	Palassey Para	Tube Well			0.15	4.45	5.1
WBND07	Nadia	Nabadwip	Nabadwipghat	Dug Well	11	3.03	1.37	3.21	4.27
WBND08	Nadia	Nabadwip	Nabadwiptown	Dug Well	9.8	4.21	2.27	1.64	
WBND09	Nadia	Nakasipara	Mayapur	Dug Well	7.87	0.98	0.81	1.53	
WBND102	Nadia	Krishnanagar II	Bahadurpur	Pz		6.3	4.4	5.39	6.63
WBND103	Nadia	Krishnanagar II	Chowgacha	Pz	139	5.24	2.1	3.28	5.34
WBND106	Nadia	Shantipur	Kulia	Pz	58.83		4.7	5.37	6.19
WBND107	Nadia	Krishnanagar II	Gournagar	Tube Well	120	4.74	3.4	3.89	5
WBND108	Nadia	Kaliganj	Kaliganj	Tube Well	42		1.05		3.02
WBND109	Nadia	Krishnanagar I	Paninala	Tube Well		4.65	2.45	3.65	5.2
WBND10A	Nadia	Kaliganj	Katwaghat	Dug Well	10.66	3.83	2.56	4.11	4.86
WBND110A	Nadia	Chapra	Dayer-Bazar	Tube Well	102	4.16	2.28	4.17	6.55
WBND111	Nadia	Chapra	Chapra	Pz	39.95	4.56	2.42	3.38	6.82
WBND112	Nadia	Krishnanagar I	Bhatjangla	Tube Well	120	4.52	2.45	3.96	4.15
WBND113	Nadia	Shantipur	Bathna	Pz	53.23	5.65	3.8	4.16	4.92
WBND114	Nadia	Shantipur	Sutragarh Chhar (Shant	Tube Well	96	2.92	1.8	4.12	3.86
WBND115	Nadia	Nabadwip	Sonadanga	Tube Well	102	4.46	3.87	4.01	5.75
WBND116	Nadia	Nabadwip	Mayapur	Pz	50.59	1.76	0.94	2.03	3.05
WBND117	Nadia	Nabadwip	Mukundapur	Tube Well	48		1.05	2.17	
WBND118	Nadia	Krishnanagar I	Bishnupur	Tube Well	150		3.75	5.07	5.78
WBND119	Nadia	Krishnanagar I	Jalalkhali	Tube Well	120	4.51	2.33	3.34	5
WBND12	Nadia	Krishnanagar II	Bahadurpur	Dug Well	12.2	6.7	4.67	2.36	6.98
WBND120	Nadia	Krishnanagar I	Gobrapota (Dhakapara)	Tube Well	132	4.59	2.35	3.78	5.48
WBND121	Nadia	Krishnaganj	Chougacha-Kutirpara M	Tube Well	144	4.26	2.84	3.98	5.7
WBND122	Nadia	Krishnaganj	Harishnagar	Tube Well		5.74	2.5	3.99	
WBND123	Nadia	Krishnaganj	Mazdia	Tube Well	168	4.48	3.1	5.26	5.35
WBND129	Nadia	Shantipur	Belemath	Pz		7.47	7.7		
WBND130	Nadia	Nakasipara	Muragacha	Tube Well		5.33	3.9	5.57	5.93
WBND131	Nadia	Krishnanagar II	Shakdaha more	Tube Well	130	4.24	1.95	3.56	5.63
WBND132	Nadia	Krishnaganj	Krishnaganj	Tube Well	148	3.59	2.9	4.04	5.62
WBND133	Nadia	Krishnaganj	Durgapure	Tube Well	130		2.53	4.54	5.45
WBND134	Nadia	Krishnaganj	Khalbalia (Kamarbari)	Tube Well	148	5.64	3.58	3.18	2.93
WBND135	Nadia	Krishnanagar I	Kalinagar	Tube Well	148	5.04	3.13	3.73	6.37
WBND136	Nadia	Hanskhali	Chitrashali	Tube Well	160		2.55	4.09	
WBND137	Nadia	Hanskhali	Kaikhali-Battala	Tube Well	80		2.5	2.63	
WBND138	Nadia	Hanskhali	Nimtala-Tangra	Tube Well	148		2.31	1.37	

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WBND139	Nadia	Ranaghat II	Duttaphulia	Tube Well	148	4.92	2.93	3.62	4.76
WBND13C	Nadia	Krishnaganj	Gobindapur	Tube Well		7.36	5.57	3.94	7.97
WBND140	Nadia	Ranaghat II	Panikhali bazar	Tube Well	148	3.33	0.98	2.19	3.1
WBND142	Nadia	Chapra	Hridaypur	Tube Well	85		0.45	1.46	6.43
WBND143	Nadia	Krishnanagar I	Krishnanagar	Tube Well				3.39	
WBND144	Nadia	Krishnanagar I	Mahesganj	Tube Well		3.67		3.76	
WBND146	Nadia	Shantipur	Batangachi	Pz	53.49		5.18	3.51	6
WBND147	Nadia	Shantipur	Arbandi	Pz	62.22		3.4	3.21	5.99
WBND148	Nadia	Shantipur	Nidhkur	Pz	59.23	4.88	2.63	3.21	3.97
WBND149	Nadia	Karimpur I	Madhya Gopalpur	Pz	215		2.33	2.62	4.05
WBND14A	Nadia	Shantipur	Fulia	Pz	37.11	5.26		3.57	4.38
WBND153	Nadia	Krishnaganj	Banpur	Tube Well		6.28		4.97	7.62
WBND154	Nadia	Krishnanagar I	Bhatjangla	Dug Well				2.53	8.6
WBND155	Nadia	Krishnaganj	Bhajanghat	Dug Well		6.82	5.85	6.56	7.85
WBND156	Nadia	Krishnanagar-li	Jahangirpur Mark-ii Tw	Tube Well		5.63	6.75	5.14	
WBND157	Nadia	Nabadwip	Nabadwip Tw	Tube Well			1.9	2.57	
WBND158	Nadia	Chapra	Choko-andulia M-ii Tw	Tube Well		2.98		2.35	6.11
WBND159	Nadia	Tehatta - I	Debnathpur M-ii Tw	Tube Well			1.45	2.93	4.55
WBND160	Nadia	Chapra	Elemnagar M-ii Tw	tube Well		8.08		4.94	
WBND161	Nadia	Tehatta - I	Islampur M-ii Tw	Tube Well			0.49	4.16	4.6
WBND162	Nadia	Shikarpur	Shikarpur M-ii Tw	Tube Well			4.25		
WBND164	Nadia	Hanskhali	Bagula M - I I T W	Tube Well		3.61	1.63	2.91	3.87
WBND165	Nadia	Ranaghat - I	Birnagar M - I I T W	Tube Well		5.57	3.62	3.45	5.45
WBND166	Nadia	Hanskhali	Bhowbanipur	Tube Well		2.83	2.43	3.69	
WBND17	Nadia	Ranaghat I	Nokari	Dug Well	1.24	4.08	2.32	3.25	4.67
WBND19	Nadia	Shantipur	Baganchra	PZ	7.37	6.26	2.85	4.1	4.69
WBND20A	Nadia	Kaliganj	Debagram pz	Pz	36.64	2.79	0.32	1.01	
WBND22	Nadia	Karimpur I	Utr Kechuadanga	Dug Well	8	3.01	0.85	1.91	2.9
WBND23	Nadia	Karimpur I	Murutia Pz	Pz	62.64	4.06	2.04	3.04	
WBND25A	Nadia	Tehatta I	Tehatta Pz	Pz	48.05	4.75			5.63
WBND26	Nadia	Nakasipara	Nakasipara Pz	Pz	30.89	4.01	1.66	2.04	2.65
WBND27	Nadia	Nakasipara	Birpur Pz	Pz	65.39	4.07	1.53	3.83	4.6
WBND28	Nadia	Hanskhali	Hanskhali Pz	Pz	30.59	2.96	1.85	4.53	6.1
WBND29B	Nadia	Hanskhali	Ulasi	Tube Well	30	3.45		3.52	
WBND30	Nadia	Haringhata	Jaguli Pz	Pz	24.02	4.19	5.66	2.61	4.91
WBND31A	Nadia	Karimpur II	Mahisbathan	Dug Well	9.14	1.81	0.45	1.26	2.75
WBND32	Nadia	Tehatta II	Barnia	Pz	48	4.53	1.76	2.89	2.65
WBND35	Nadia	Hanskhali	Badkulla	Dug Well	8.8	6.43	4.46	4.67	6.13
WBND36	Nadia	Krishnanagar I	Dignagar	Dug Well	6	2.59	1.64		3.24
WBND37	Nadia	Krishnanagar I	Maheshganj Pz	Pz	30.63		3.16	4.42	
WBND41A	Nadia	Krishnaganj	Banpur	Dug Well	14.5	5.99	4.04	4.84	6.61
WBND43	Nadia	Chapra	Hridaypurpz	Pz	60.76	2.96	0.99	2.59	6.16
WBND45	Nadia	Shantipur	Shantipur Pz	Pz	102.46	4.24	1.56	2.41	
WBND46	Nadia	Haringhata	Bilandi	Pz	132	4.89	3.47	2.77	5.94
WBND47	Nadia	Haringhata	Birohi	Pz	165		4.42	4.25	9.7
WBND48	Nadia	Haringhata	Birohi	Pz	46	6.18	4.27	4.13	9.58
WBND51	Nadia	Ranaghat II	Kupars Camp	Pz	243		3.97	1.67	1.65
WBND52	Nadia	Ranaghat II	Kupars Camp	Pz	108		1.9	1.52	3.68
WBND53	Nadia	Ranaghat I	Taherpur	Pz	202	3.95	2.3	2.94	3.92
WBND54	Nadia	Ranaghat I	Taherpur	Pz	115	5.41		3.16	6.37
WBND55	Nadia	Kaliganj	Juranpur	Pz	198	5.48	3.7	3.41	4.85
WBND56A	Nadia	Tehatta I	Shyamnagar	Tube Well	34.14	4.14		3.11	5.39
WBND58	Nadia	Tehatta II	Hanspukuria	Tube Well	35.96		2.6	3.47	
WBND59	Nadia	Karimpur II	Thanapara	Pz			1.25	3.02	4.31
WBND62A	Nadia	Krishnanagar I	Krishnanagar Town	Pz		9.79	3.75	2.49	6.15
WBND63	Nadia	Krishnanagar II	Chukhali	Tube Well	134	4.7	4.4	4.7	
WBND65	Nadia	Chakdah	Madanpur Pz	Pz	89.94		4.48	3.48	
WBND66	Nadia	Tehatta I	Karuigachhi	Pz	62.42	3		0.86	0.92

SL No	District_Name	Block_Name	Site_Name	Well Type	Well Depth	Apr-20	Aug-20	Nov-20	Jan-21
WBND67	Nadia	Krishnaganj	Bhajan Ghat	Pz	53.66	5.02	3.12	3.88	4.75
WBND68	Nadia	Ranaghat II	Hijula	Pz	46.8	6.01	4.24	4.82	5.64
WBND69	Nadia	Ranaghat II	Patuli	Pz	49.4	5.67	4.22	3.33	4.66
WBND71	Nadia	Ranaghat I	Kamgachi	Pz	46.7		4.26	4.6	5.75
WBND73	Nadia	Shantipur	Babla	Tube Well		4.85	2.5		3.4
WBND74	Nadia	Shantipur	Fulia-Boyra	Pz	47.4		3.77	5.63	6.62
WBND78	Nadia	Chakdah	Tatla	Pz	46.9	5.88	4.64	4.15	
WBND79	Nadia	Chakdah	Kantabela	Pz	46.9	4.91		3.24	
WBND80	Nadia	Chakdah	Itapukur	Pz	49.4	5.39	4.01	3.59	5.75
WBND81	Nadia	Nabadwip	Tiorkhali Jamtala	Pz	39.4			5.3	5.55
WBND82	Nadia	Krishnanagar II	Chowgachha	Pz	49.4	3.53	2.1	3.26	5.3
WBND89	Nadia	Kaliganj	Plassey	Pz	49.4	1.11	1.97		3.1
WBND93	Nadia	Karimpur II	Nandanpur	Pz	46.9			3.01	4.45
WBND94	Nadia	Karimpur II	Maishkhola	Pz	49.4	4.13	1.2	2.27	3.47
WBND95	Nadia	Tehatta I	Taranipur	Pz	49.4	3.69	0.96		4.62
WBND97	Nadia	Tehatta II	Bijoyagar	Pz	49.4		1.69		5.63
WBND100	Nadia	Chapra	BARA ANDULIA	Pz	49.4		1.5	3.95	4.75
WBND101	Nadia	Chapra	TALUK HUDA	Pz	49.4				4.96
WBNT01	North 24 Parganas	Bongaon	Gopalnagar	Dug Well	8.1	2.92	1.91	2.93	3.95
WBNT03A	North 24 Parganas	Basirhat I	Basirhat	Pz	46.63	7.1	6.43	6.91	6.88
WBNT05A	North 24 Parganas	Barrackpur li	Ichapur Nababganj	Dug Well	5.25	1.15	1.13	1.18	1.65
WBNT06B	North 24 Parganas	Barrackpur I	Sodpur	Dug Well	6.7	0.61	0.23	0.77	0.94
WBNT08A	North 24 Parganas	Bagdah	Helencha P.s.	Tube Well	35	1.67	1.27	1.83	1.87
WBNT100	North 24 Parganas	Basirhat I	Taki	Tube Well	40	2.53	2.38	2.83	5.68
WBNT101B	North 24 Parganas	Gaighata	Thakurnagar (Taltala M	Tube Well	72.89	1.96		2.97	4.04
WBNT102	North 24 Parganas	Bagdha	Netaji Palli (Mama-Bha	Tube Well	100	2.3	1.45	1.92	2.2
WBNT103	North 24 Parganas	Gaighata	Dharampur	Pz	53.3	2.79		2.19	4.14
WBNT104	North 24 Parganas	Amdanga	Rafipur	Pz	40.24	9.38	7.39	7.82	10.04
WBNT105	North 24 Parganas	Amdanga	Moricha (Gadamara Ha	Pz	51.47	5.98	2.98	4.15	6.34
WBNT106	North 24 Parganas	Amdanga	Sirasini More (Jirat Mar	Pz	53.33	10.57	8.35	7.64	7.66
WBNT108	North 24 Parganas	Baduria	Ramchandrapur	Tube Well	40	2.98		3.17	6.54
WBNT109	North 24 Parganas	Bongaon	Palla	Pz	48.47	4.55	2.3	3.5	5.18
WBNT110A	North 24 Parganas	Rajarhat	Gopalpur (Bablatala - U	Tube Well	50.7	14.4		13.07	
WBNT111A	North 24 Parganas	Barasat I	Kadambagachi	Tube Well	40	12.7		3.23	13.69
WBNT112	North 24 Parganas	Habra li	Bathania-Baruipara	Tube Well	162	9.24	7.27	7.78	6.06
WBNT113	North 24 Parganas	Gaighata	Gobardanga	Tube Well	84	3.71		3.25	4.44
WBNT114	North 24 Parganas	Baduria	Chandipur	Tube Well	168	2.64		1.92	3.51
WBNT115	North 24 Parganas	Barasat li	Digberia	Tube Well	168	9.41	7.21	7.55	8.31
WBNT116	North 24 Parganas	Habra li	Sendanga	Tube Well	198	2.52	0.92	0.89	1.8
WBNT117A	North 24 Parganas	Gaighata	Rajapur	Tube Well	174			1.01	2.42
WBNT118	North 24 Parganas	Bongaon	Jayantipur Bazar (Petr	Tube Well	144	3.6	3.17	3.89	5.41
WBNT119	North 24 Parganas	Bongaon	Bongaon (Kuthibari)	Tube Well	156	3.14	2.11	2.9	3.97
WBNT120	North 24 Parganas	Bagdah	Boyra	Tube Well	132	2.87	1.81	2.47	3.56
WBNT121	North 24 Parganas	Habra li	Tengra	Tube Well	110.04	10.45	5.26	8.99	11.47
WBNT123	North 24 Parganas	Amdanga	Rangmahal	Dugwell	6	0.38	0.16	0.42	0.4
WBNT124	North 24 Parganas	Amdanga	Rangmahal	Tube Well	80	9.39	7.39	7.79	8.41
WBNT125A	North 24 Parganas	Habra li	Pratibha	Tube Well		5.14		4.35	
WBNT126A	North 24 Parganas	Habra I	Banipur	Tube Well	100	6.03		3.19	5.34
WBNT127	North 24 Parganas	Habra li	Suria	Tube Well	70	8.74	6.29	7.56	3.99
WBNT128	North 24 Parganas	Bongaon	Chauberia	Tube Well	70	4.25	2.35	3.32	3.8
WBNT129	North 24 Parganas	Gaighata	Ramchandrapur	Tube Well	50	4.08		1.26	3.1
WBNT130	North 24 Parganas	Gaighata	Sutia	Tube Well	70	2		1.81	
WBNT131	North 24 Parganas	Bongaon	Kalupur Dakshinpara	Tube Well	45	1.55	1.33	1.34	2.95
WBNT132	North 24 Parganas	Bongaon	Kansona	Tube Well	70	4.2	2.01	3.07	4.65
WBNT133	North 24 Parganas	Bongaon	Gopalnagar	Tube Well	50	3.67	1.41	2.48	3.74
WBNT134	North 24 Parganas	Bongaon	Bhandarkola	Tube Well	70	3.8	2.11	3.23	5.11
WBNT135	North 24 Parganas	Bongaon	Kundipur	Tube Well	70	3.77	2.99	3.9	3.86
WBNT136	North 24 Parganas	Bagdah	Helencha	Tube Well	35	2.7	2.37	2.91	3.22

SL No	District_Name	Block_Name	Site_Name	Well Type	Well Depth	Apr-20	Aug-20	Nov-20	Jan-21
WBNT137A	North 24 Parganas	Bongaon	Dharampukur	Tube Well	50	3.18	2.18	3.03	4.37
WBNT138	North 24 Parganas	Deganga	Ambikanagar	Pz	162	3.42	3.12	4.23	6.05
WBNT139	North 24 Parganas	Haroa	Khas Balanda	Pz		3.48	2.07	3.13	3.85
WBNT13A	North 24 Parganas	Sandeshkhali I	Dakhin Akartala	Tube Well	176.45	7.72		5.14	8.75
WBNT14	North 24 Parganas	Sandeshkhali li	Sandeshkhali.f	Tube Well	188.49	8.6		5.59	7.22
WBNT140	North 24 Parganas	Barasat li	Pakdah	Pz		3.83	2.22	3.39	4.52
WBNT142B	North 24 Parganas	Barasat I	Sadarpur	Tube Well		11.38	6.85	7.58	7.72
WBNT145	North 24 Parganas	Barasat	Barasat	Tube Well		6.04	5.92	5.81	5.77
WBNT146	North 24 Parganas	Deganga I	Mirjanagar	Tube Well		5.27	3.23		
WBNT147	North 24 Parganas	Bashirhat li	Jafarpur	Pz		4.12	3.16	4.6	3.79
WBNT148	North 24 Parganas	Bashirhat li	Jafarpur	Pz		2.87	1.29	3.61	4.35
WBNT149	North 24 Parganas	Bashirhat li	Jafarpur	Pz		3.64	2.71	3.94	3.49
WBNT150	North 24 Parganas	Minakhan	Nimchi	Tube Well		5.62		4.59	5.43
WBNT151	North 24 Parganas	Barrackpur	Bidhyadharpur	Tube Well		11.08	9.93	10.8	9.74
WBNT153	North 24 Parganas	Sandeshkhali I	Dakshin Ankratala	Tube Well		5.52		3.65	5.12
WBNT154	North 24 Parganas	Barasat I	Bonkunda	Pz		4.3	2.8	3.91	5.07
WBNT155	North 24 Parganas	Barasat I	Bonkunda	Pz		1.08	1.09	3.65	3.8
WBNT157	North 24 Parganas	Barasat li	Chowmoha	Tube Well		3.89	2.17	3.17	3.83
WBNT158	North 24 Parganas	Bongaon	Ganrapota	Pz		3.25	2.79	3.65	3.68
WBNT159	North 24 Parganas	Bagdah	Bagdah	Pz		2.73	1.98	2.74	4.22
WBNT16	North 24 Parganas	Deganga	Berachampa	Tube Well	52	4.67	3.32	4.3	5.54
WBNT160	North 24 Parganas	Hasnabad	Rajapur-uttarpara	Tube Well		3.72		3.03	4.71
WBNT161	North 24 Parganas	Baduria	Sandel Bill	Pz		3.6		3.61	4.9
WBNT162	North 24 Parganas	Baduria	Baduria CGWB	Pz		3.75		3.85	
WBNT18	North 24 Parganas	Baduria	Baduria	Tube Well	65	4.39		4.56	4.28
WBNT19	North 24 Parganas	Baduria	Jadurhati	Tube Well	70.71	4.58		4.38	4.46
WBNT20A	North 24 Parganas	Gaighata	Gaighata P.s.	Tube Well	40.23	6.5		3.88	5.54
WBNT22A	North 24 Parganas	Gaighata	Sabaipur More	Tube Well	42.36	2.87		2.67	
WBNT26A	North 24 Parganas	Minakhan	Minakhan Bat tala	Tube Well	137	3.93		3.27	5.21
WBNT27B	North 24 Parganas	Minakhan	Baghirula	Tube Well		4.97		3.78	5
WBNT28	North 24 Parganas	Habra-I	Habra	Tube Well	38.5	3.06	1.42	2.22	3.93
WBNT29	North 24 Parganas	Barasat-I	Bokanda	Tube Well	42.16	4.85	3.36	4.56	5.79
WBNT31A	North 24 Parganas	Basirhat-I	Raharhati	Tube Well	51.27	6.9	6.01	6.49	6.45
WBNT32	North 24 Parganas	Sandeshkhali	Bayermary	Tube Well	174.46	7.4		5.33	6.9
WBNT35	North 24 Parganas	Hasnabad	Bhebia	Tube Well	270	4.11		3.68	4.11
WBNT36	North 24 Parganas	Hingalganj	Bankra	Tube Well	204.96	7.69	5.78	6.93	6.49
WBNT38	North 24 Parganas	Rajarhat	Rajarhat	Dug Well	4.2	0.4	0.36	0.73	0.81
WBNT39	North 24 Parganas	Haroa	Haroa	Tube Well	120	4.3	3.16	3.88	3.83
WBNT40	North 24 Parganas	Barrackpur-I	Halisahar	Dug Well	5.9	0.96	0.8	1.2	1.45
WBNT42B	North 24 Parganas	Habra-I	Kochua (Ashoknagar)	PZ	54	5.5	3.5	4.05	7.05
WBNT43A	North 24 Parganas	Barasat-I	Dutta pukur	Tube Well	150	9.21	6.8	7.6	9.36
WBNT44A	North 24 Parganas	Hingalganj	Sandeler Beel	Tube Well		8.07	5.84	2.57	6.19
WBNT47A	North 24 Parganas	Barasat-li	Bagaband	Tube Well		5.31	3.33	4.33	5.45
WBNT48C	North 24 Parganas	Basirhat-I	Ghusighata	Tube Well		2.52		2.53	3.95
WBNT49	North 24 Parganas	Habra-I	Berghoom Pz	Pz	32	2.82		1.93	3.42
WBNT52	North 24 Parganas	Gaighata	Chandpara Pz	Pz	34	2.57	1.39	1.27	4.39
WBNT56	North 24 Parganas	Barasat-li	Baidyapur	Tube Well	35	5.11	4.18	4.83	4.88
WBNT57	North 24 Parganas	Barasat-li	Aminpur Bazar	Tube Well	25	1.95	1.75	2.86	4.6
WBNT58	North 24 Parganas	Bagdah	Krishnachandrapur	Tube Well	150	2.79	2.5	3.48	
WBNT59	North 24 Parganas	Bagdah	Gobrapur	Tube Well	200	3.43	2.63	3.56	4.6
WBNT60	North 24 Parganas	Rajarhat	Bishnupur Ghoshpara	Tube Well	70	7.07	5.42	6.15	7.39
WBNT61	North 24 Parganas	Haroa	Khalisadi More	Pz	150	5.54	4.28	5.19	6.58
WBNT62	North 24 Parganas	Barrackpur-I	Bidyadharpur	Pz	186	13.69	12.5	11.98	10.59
WBNT63	North 24 Parganas	Baduria	Chatra	Tube Well	20	3.71		2.91	3.81
WBNT64A	North 24 Parganas	Swarupnagar	Swarupnagar	Tube Well	45	3.15		2.99	5.58
WBNT65A	North 24 Parganas	Swarupnagar	Tentulia	Tube Well		6.01		6.94	8.01
WBNT66	North 24 Parganas	Basirhat-li	Kochua	Tube Well	35	3.47	2.66	3.4	3.66
WBNT69	North 24 Parganas	Habra-li	Guma	Tube Well	200	6.12	4.87	4.79	4.27

SL No	District_Name	Block_Name	Site_Name	Well Type	Well Depth	Apr-20	Aug-20	Nov-20	Jan-21
WBNT71A	North 24 Parganas	Andanga	Mirhati/Santoshpur	Tube Well		5.99		8.94	5.84
WBNT72	North 24 Parganas	Barrackpur-li	Ichapur Nababga	Tube Well	60	11.56	8.51	11.25	11.52
WBNT73	North 24 Parganas	Barrackpur-l	Kanchrapara Ow1	Pz	152	2.83	0.95	1.48	6.46
WBNT79	North 24 Parganas	Bongaon	Nahata OW	Pz	206	3.91	1.83	4.07	4.27
WBNT81	North 24 Parganas	Gaighata	Berigopalpur	Pz	103	2.54		1.15	3.3
WBNT86	North 24 Parganas	Barrackpur-l	Panpur	Pz		11.81	10.92	10.57	10.99
WBNT87	North 24 Parganas	Barrackpur-l	Madral	Pz		11.66	9.86	10.43	10.4
WBNT88A	North 24 Parganas	Barrackpur-l	Kuliagarh	Tube Well		10.43	8.45	8.3	
WBNT89	North 24 Parganas	Barrackpur-l	Halisahar (Nanha)	Pz		9.46	9.3	11.53	12.15
WBNT91	North 24 Parganas	Habra-l	Raotara	Pz	46.17	6.1	5.32	5.75	8.53
WBNT92	North 24 Parganas	Habra-li	Sabdapur (Iswarighacha)	Pz	117.95	7.29	5.36	5.74	7.55
WBNT93	North 24 Parganas	Habra-li	Nurpur	Pz	24.98	5.69	1.95	3.43	4.1
WBNT96	North 24 Parganas	Rajarhat	Chandpur(Atbele)	Pz	51.32	1.59	0.88	0.91	1.11
WBNT97	North 24 Parganas	Deganga	Berachampa	Pz	125.13	1.75	1.1	2.58	3.04
WBNT98	North 24 Parganas	Deganga	Amulia (Bargachia)	Pz	118.89	5.2	3.2	4.8	4.68
WBNT99A	North 24 Parganas	Basirhat-li	Srinagar Matia	TW		2.53		2.57	3.69
WBMP07A	Paschim Medinipur	Garbeta I	Dhadika	Tube Well	16.8	14.54	11.7	13.24	
WBMP08	Paschim Medinipur	Garbeta I	Garhbeta	Dug Well	5.78	8.08	9.62	5.02	0.86
WBMP10A	Paschim Medinipur		Khirpai	Dug Well				19.9	
WBMP100	Paschim Medinipur	Dantan I	Sonakania	Tube Well	60	7.94	6.14	9.76	10.9
WBMP101	Paschim Medinipur	Dantan li	Khandrui	Tube Well	36.57	5.65	11.75	6.81	7.95
WBMP102B	Paschim Medinipur	Sabang	Temathani	Tube Well	131.06	12.75	11.8	16.6	11.9
WBMP103	Paschim Medinipur	Debra	Balichak	Tube Well	91.44	10.58		10.51	10.1
WBMP104	Paschim Medinipur	Debra	Murasthi	Tube Well	141.73		9.22		12
WBMP107	Paschim Medinipur	Daspur li	Khukurdaha	Tube Well	137.16	10.57	9.42	12.57	15
WBMP108	Paschim Medinipur	Daspur I	Baikunthapur	Tube Well	109.72	6.73	5.38	11.44	8.38
WBMP109	Paschim Medinipur	Narayangarh	Makrampur	Dug Well	21.33	1.76	1.52	1.5	1.44
WBMP10B	Paschim Medinipur	Chandrakona li	Khirpai	Tube Well					
WBMP11A	Paschim Medinipur	Medinipur Sadar	Dherua	Dug Well	11.71	8.24	7.34	5.7	8.82
WBMP110	Paschim Medinipur	Dantan li	Khakurda	Tube Well	35.05	8.75	7.1	4.95	6.86
WBMP112	Paschim Medinipur	Potashpur I	Mangal Maro	Tube Well				15.7	
WBMP114	Paschim Medinipur	Mohanpur	Mohanpur	Tube Well	24.38	10.45	7.55	5.78	7.78
WBMP115	Paschim Medinipur	Mohanpur	Sankarara	Tube Well	91.44	9.6	7.1	4.24	8.1
WBMP127	Paschim Medinipur	Binpur I	Harda	Dug Well				6.95	
WBMP128	Paschim Medinipur	Chandrakona I	Chandrakona(dharampur)	Dug Well	7.62	0.74	0.82	0.92	3.25
WBMP129	Paschim Medinipur	Daspur li	Kheput(gopiganj)	Tube Well	120	15.45		13.1	15
WBMP12	Paschim Medinipur	Jhargram	Rashmandal	Dug Well	7.86	5.44	4.19	4.35	5.25
WBMP13	Paschim Medinipur	Jamboni	Chichira	Dug Well	15	3.41	2.34	2.71	7.55
WBMP130	Paschim Medinipur	Daspur li	Sonakhali	Tube Well	135	15.19	11.94	13.3	13
WBMP131	Paschim Medinipur	Debra	Panchgeria	Tube Well	75	11.23	9.53	8.74	9.9
WBMP132A	Paschim Medinipur	Ghatal	Katan	Tube Well	55	13.3	11.5	8.7	
WBMP133	Paschim Medinipur	Jhargram	Raghunathpur	Dug Well				9.05	12.36
WBMP134	Paschim Medinipur	Medinipur Sadar	Bellia (CGWB well)	Pz	155	7.38	8.62	12.32	9.28
WBMP136	Paschim Medinipur	Silda	Muohi Bundh	Dug Well		2.85	2.95	2.95	5.77
WBMP137	Paschim Medinipur	Gopiballavpur li	Topsia	Dug Well		10.06	8.25	7.59	9.52
WBMP138	Paschim Medinipur	Chandrakona li	Khirpai	Tube Well	85.34		13.69	14.54	15.6
WBMP139	Paschim Medinipur	Keshpur	Keshpur	Pz		14.38	11.28	11.93	9.83
WBMP14	Paschim Medinipur	Gopiballavpur I	Gopiballavpur	Dug Well	10.7	6.42	4.08	4.93	6.42
WBMP140	Paschim Medinipur	Daspur I	Panchberia	Pz		9.62	7.23	7.32	9.82
WBMP141	Paschim Medinipur	Daspur li	Sonakhali	Pz		14.46	11.46	11.94	15.3
WBMP15	Paschim Medinipur	Medinipur Sadar	Medinipur	Dug Well	10.56	1.39	1.49		
WBMP150	Paschim Medinipur	Jamboni	Parihati (Hat tala)	Dug Well	10.56	3.25	2.3	5.77	2.5
WBMP158	Paschim Medinipur	Medinipur Sadar	Shaldanga	Dug Well	15.1	2.01	2.56	0.21	3.52
WBMP159	Paschim Medinipur	Binpur li	Bibpur-II	Dug Well	12.4			1.84	4.65
WBMP160	Paschim Medinipur	Jamboni	Kalidaspur	Dug Well	11.7	2.2	2.85	3.55	4.64
WBMP161	Paschim Medinipur	Kharagpur I	Kharagpur-1	Dug Well		1.6			3.72

SL No	District_Name	Block_Name	Site_Name	Well Type	Well Depth	Apr-20	Aug-20	Nov-20	Jan-21
WBMP162	Paschim Medinipur	Kharagpur I	Khemasuli	Dug Well	14.2	2.67	1.8		6.02
WBMP163	Paschim Medinipur	Kharagpur I	Bagra Chak	Dug Well	11.7	1.9	1.1	4.38	5.72
WBMP164	Paschim Medinipur	Kharagpur I	Kharagpur-2	Dug Well	40	0.5	0.68	0.76	
WBMP165	Paschim Medinipur	Medinipur Sadar	Jamir Ara	Tube Well		0.3	0.45	0.68	1.08
WBMP166	Paschim Medinipur	Kharagpur I	Koushalya	Dugwell	14.92	0.25	0.28	0.35	0.7
WBMP167	Paschim Medinipur	Garbeta li	Raskunda	Dugwell	12.37	1.15	1.49	1.8	3.46
WBMP168	Paschim Medinipur	Garbeta lii	Shamnagar ( Radhakrishnap	Dugwell	15.1	0.79	0.92	0.97	1.66
WBMP169	Paschim Medinipur	Garbeta lii	Andhar Nayan	Dugwell	21.13	2.62	2.72	2.88	3.56
WBMP16B	Paschim Medinipur	Narayangarh	Bakhrabad	Dugwell	11.08	4.6		0.88	2.01
WBMP170	Paschim Medinipur	Medinipur Sadar	Chilgora	Dugwell	12.65	0.88	1	1.3	2.07
WBMP171	Paschim Medinipur	Kharagpur I	Hilji	Dugwell		2.51	4.21	5.51	0.75
WBMP172	Paschim Medinipur	Keshiary	Lenga Mara	Dugwell	8.46	0.72	0.71	0.62	0.93
WBMP173	Paschim Medinipur	Keshiary	Patharhuri	Dugwell	8.77	1.38	1.18	1.89	5.08
WBMP174	Paschim Medinipur	Keshiary	Hathigeria	Dugwell	10.45	2.55	2.44	3.08	5.66
WBMP183	Paschim Medinipur	Pingla	Maligram	Tube Well		15.1	12.85	12.22	
WBMP184	Paschim Medinipur	Belpahari	Muransol	Dug Well				3.22	4.1
WBMP185	Paschim Medinipur	Jamboni	Tulbarh	Dug Well		4.1	6.77	6.83	10.34
WBMP186	Paschim Medinipur	Jamboni	Hilji	Dug Well		1.8	1.77	3.9	3.61
WBMP187	Paschim Medinipur	Jamboni	Kapgari	Dug Well		2	2.83	4.25	8.34
WBMP189	Paschim Medinipur	Binpur li	Malabati	Dug Well		1.35	1.05	1.3	
WBMP190	Paschim Medinipur	Jharagram	Balivasa	Dug Well				4.78	8.89
WBMP191	Paschim Medinipur	Jhatia Para	Panchair	Dug Well		1.22	1.05		
WBMP192A	Paschim Medinipur	Narazole li	Rajnagar	Tube Well		12.9			
WBMP193	Paschim Medinipur	Jhargram	Jhargram	Dug Well		1.29	1.3	2.27	3.34
WBMP195	Paschim Medinipur	Dantam I	Birbhadrapur	Tube Well		9.08	7.65	6.92	9.95
WBMP196	Paschim Medinipur	Jhargram	Sevayatan	Dug Well		4.1	4.3	6.15	8.36
WBMP197	Paschim Medinipur	Binpur li	Belpahati	Dug Well		3.85	4.68	5.28	5.19
WBMP198	Paschim Medinipur	Jamboni	Nunia	Dug Well		1.05	2.52	4.57	2.6
WBMP199	Paschim Medinipur	Garbeta li	Guiya Daha	Dug Well		0.86	0.95	1.05	2.49
WBMP19A	Paschim Medinipur	Ghatal	Ghatal	Pz	45.3			10.48	11.9
WBMP200	Paschim Medinipur	Salboni	Gobru	Dug Well		1.7	1.46	3.2	
WBMP206	Paschim Medinipur	Jharagram	Lodhasuli	Dug Well		4.45	3.62	4.57	5.69
WBMP207	Paschim Medinipur	Binpur-li	Khurchiboni	Dug Well		2.43	0.81	2.02	3.84
WBMP208	Paschim Medinipur	Medinipur	Manidah	Dug Well		2.94	2.94	2.57	3.62
WBMP209	Paschim Medinipur	Medinipur	Bellia	Dug Well		1.87	2.02	2.05	9.15
WBMP210	Paschim Medinipur	Khragpur-I	Tungnaduwa	Dug Well				4.08	5.89
WBMP211	Paschim Medinipur	Jumboni	Guthia	Dug Well		1.39	1.47	1.7	2.31
WBMP212	Paschim Medinipur	Jumboni	Kapcita	Dug Well		1.94	3.62		3.97
WBMP213	Paschim Medinipur	Garbeta-li	Dhaboni	Dug Well		0.8	1.21	2.15	3.81
WBMP214	Paschim Medinipur	Kharagpur-I	Saranga	Dug Well		1.5	1.35	3.28	16.1
WBMP215	Paschim Medinipur	Daspur	Jiakhali	Tube Well		14.56	11.76	10.89	12.6
WBMP216	Paschim Medinipur	Rohini	Naikansole Colony	Dug Well		3.24	2.24	3.09	5.37
WBMP217	Paschim Medinipur	Keshiyari	Khajara	Dug Well		1.85	4.16	2.43	3.55
WBMP218	Paschim Medinipur	Naryangarh	Nekurseni	Tube Well		13.74	10.24	9.44	11.1
WBMP219	Paschim Medinipur	Gopiballavpur-li	Topsia	Tube Well			8.97	8.4	10.09
WBMP225	Paschim Medinipur	Jamboni	Dharsa	Dug Well			2.85		2.1
WBMP33	Paschim Medinipur	Kharagpur I	Kanthra	Dug Well	6.1	1.8	1.37	1.78	3.94
WBMP40A	Paschim Medinipur	Keshpur	Keshpur	Dug Well	12		2.08	2.53	3.03
WBMP41	Paschim Medinipur	Salbani	Godapiasal	Dug Well	12.32	4.02	4.08	4.65	5.96
WBMP42	Paschim Medinipur	Salbani	Salboni-1	Pz	177	6.74	5.29	5.94	7.7
WBMP43	Paschim Medinipur	Salbani	Salboni-2	Pz	87	3.04	2.99	3.52	5.19
WBMP44	Paschim Medinipur	Garbeta li	Chandrakona Rd.	Dug Well	18.9	4.6	3.03	4.4	10.3
WBMP45A	Paschim Medinipur	Garbeta li	Raskunda (Purba Nerakopa)	Dug Well	24.38	0.46	0.76	1.06	2.74
WBMP47	Paschim Medinipur	Jamboni	Gidhni	Dug Well	7.8	1.12	0.32	2.02	2.54
WBMP48	Paschim Medinipur	Keshiary	Keshiary	Dug Well	12.4	1.72	1.54	1.64	2.49
WBMP49	Paschim Medinipur	Keshiary	Keshiary Pz-1	Pz	47	7.83		6.93	9.1

SL No	District_Name	Block_Name	Site_Name	Well Type	Well Depth	Apr-20	Aug-20	Nov-20	Jan-21
WBMP52	Paschim Medinipur	Binpur I	Dahijuri	Dug Well	11.95	3.37	3.25	4.63	7.54
WBMP53	Paschim Medinipur	Jhargram	Lodhasuli Dpz	Pz	144	3.06	2.58	4.98	6.79
WBMP54	Paschim Medinipur	Egra I	Negua Sew			13.7	10.55	11.85	15
WBMP61	Paschim Medinipur	Dantan I	Sarasankha Dew	Pz				8.6	7.51
WBMP62	Paschim Medinipur	Pingla	Jalchak Sow	Tube Well	47	13.98	11.53		12
WBMP65	Paschim Medinipur	Kharagpur I	Mohanpur Pz-1	Pz				6.63	7.17
WBMP69	Paschim Medinipur	Dantan I	Sarsankha Sew	Pz	64	11.6	7.8	12.4	7.68
WBMP73	Paschim Medinipur	Sabang	Sabang	Pz	21	14.1	11.5	-0.6	10.8
WBMP86	Paschim Medinipur	Pingla	Pingla	Pz	117	14.1	10.5	11.5	10.6
WBMP92B	Paschim Medinipur	Gopiballavpur-li	Beliaberia	Dug Well		8.75	6.64	6.94	6.71
WBMP93	Paschim Medinipur	Sankrail	Kultikri	Dug Well	18.2			1.73	2.81
WBMP94	Paschim Medinipur	Sankrail	Sankrail	Dug Well	14.95	13.82	9.03	8.95	10.57
WBMP96A	Paschim Medinipur	Keshpur	Neradeul	Tube Well	91	10.74	6.29	5.24	
WBMP97	Paschim Medinipur	Ghatal	Manoharpur	Tube Well	106.68	14.5		15.2	13.7
WBMP123	Purba Medinipur	Tamluk I	Anantapur	Tube Well				6.3	
WBMP157	Purba Medinipur	Narayangarh	Aukanmary Manyagarh	Tube Well	30	5.35	3.75		5.95
WBMP181	Purba Medinipur	Khejuri-li	Ram Chak	Tube Well				12.05	
WBMP80A	Purba Medinipur	Ramnagar I	Bodhra					6.18	6.71
WBMP06	Purba Medinipur	Panskura li	Kolaghat	Dug Well	11.7	2.17	1.47	1.52	1.74
WBMP105	Purba Medinipur	Panskura I	Ratulua	Tube Well	110	14.8	9.78	10.82	11
WBMP111	Purba Medinipur	Potashpur li	Pratapdighi	Tube Well	112.77	13.17	10.54	11.76	
WBMP112A	Purba Medinipur	Potashpur I	Singda(brajalalpur)	Tube Well	137.16	8.65	7.41		
WBMP113	Purba Medinipur	Potashpur I	Mangal Maro	Tube Well	54.86	16.69	15.19	16.12	
WBMP118	Purba Medinipur	Panskutra li	Kolkaghat			11.25	13.83	22.58	13.88
WBMP120	Purba Medinipur	Mahisadal li	Keshabpur-jalpai	Pz	198.8			6.54	6.3
WBMP121	Purba Medinipur	Nandakumar	Nandakumar	Pz	203			14.44	15.21
WBMP122	Purba Medinipur	Mahisadal I	Bagdoba(narghat)	Pz	204	18.45	17.5		
WBMP124	Purba Medinipur	Tamluk I	Anantapur	Pz	198	18	14.31	14.3	14.4
WBMP125	Purba Medinipur	Tamluk li	Ramtarak	Tube Well	186			11.5	
WBMP126	Purba Medinipur	Tamluk li	Mecheda	Pz	198				10.78
WBMP143	Purba Medinipur	Khejuri	Nijkasba	Tube Well		17.3	16.6	15.9	13.95
WBMP144	Purba Medinipur	Ramnagar I	Junput	Pz	217	9.57	8.34	9.54	7.67
WBMP145	Purba Medinipur	Ramnagar I	Sankarpur	Pz	223	8.76	6.61	10.96	6.71
WBMP148	Purba Medinipur	Mahisadal	Chaitanyapur	Pz		15.82	10.47	14.47	14.15
WBMP149	Purba Medinipur	Haldia M.	Basudevapur	Pz	201			14.39	14.07
WBMP152	Purba Medinipur	Ramnagar li	Dharampur	Tube Well	82.29	9.25	8.26	3.38	5.3
WBMP154	Purba Medinipur	Egra I	Kudi	Tube Well	86.86			3.66	
WBMP155	Purba Medinipur	Ramnagar li	Jinandapur	Tube Well	34				11.56
WBMP156	Purba Medinipur	Bhagwanpur I	Kishorpur	Tube Well		11.55	14.95	14.57	18.84
WBMP165	Purba Medinipur	Nandakumar	Kapaseria	Dug Well	67.93	0.3	0.45	0.68	1.08
WBMP175	Purba Medinipur	Sutahata	Horkhali	Dugwell	13.62	0.2	0.35	0.5	-0.4
WBMP176	Purba Medinipur	Ramnagar I	Nimtala	Tube Well		10.15	8.2	5.95	6.68
WBMP177	Purba Medinipur	Ramnagar li	Dadan Patrabarh	Tube Well		7.6	6.13	5.71	5.69
WBMP178	Purba Medinipur	Potashpur li	Dakshin Kharh	Tube Well				1.6	
WBMP179	Purba Medinipur	Nandigram li	Uttar Boyal	Tube Well			10.6	1.2	
WBMP180	Purba Medinipur	Khejuri li	Sher Khan Chak	Tube Well			8.85	13.45	13.68
WBMP182	Purba Medinipur	Khejuri li	Khejuri	Tube Well		7.75	14.75	12.88	13.24
WBMP202	Purba Medinipur	Khejuri	Kastala	Tube Well		11.65	6.55		
WBMP203	Purba Medinipur	Contai-li	Bonamalichatra	Tube Well		11.95	10.25	8.49	11.05
WBMP205	Purba Medinipur	Panskura	Diglabad	Dug Well		2.13	1.81	1.98	2.77
WBMP223	Purba Medinipur	Sutahata-I	Haldia	Dug Well				0.55	0.27
WBMP25	Purba Medinipur	Sutahata I	Sutahata Mw	Pz	192	15.27	14.22	14.17	23.66
WBMP36	Purba Medinipur	Bhagwanpur I	Bhagwanpur Spz	Pz	50	17.35	15.12	13.55	35.24
WBMP51	Purba Medinipur	Potashpur I	Potashpur	Tube Well	139.2	14.1	7.9	11.47	9.68
WBMP59	Purba Medinipur	Egra I	Negua Sew	Pz	54	8.01	4.17	3.37	6.08
WBMP71	Purba Medinipur	Potashpur I	Patashpur	Tube Well	94.48	10.62	7.57	10.52	9.06
WBMP75	Purba Medinipur	Egra I	Egra	Pz	20	13.72	9.8	6.22	
WBMP84	Purba Medinipur	Khejuri I	Heria-i	Pz	120	10.2	8.8	11.93	8.2

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WBMP85	Purba Medinipur	Khejuri I	Heria-ii			14.3	12.35	11.8	
WBMP98	Purba Medinipur	Mayna	Dakshin Anukhagram	Tube Well	228.6	16.16	14.06	11.21	13.86
WBMP99	Purba Medinipur	Mayna	Mayna	Tube Well	167.64	20.52	18.72	14.34	14.08
WBPL01	Puruliya	MANBAZAR-I	MANBAZAR	Dug	17.81	1.34	0.67	2.28	4.08
WBPL03	Puruliya	HURA	HURA	Dug	16.69	9.89	4.92	5.74	6.91
WBPL04	Puruliya	PURULIA-I	BELGUMA / Purulia	Dug	11.45	5.15	0.7	1.92	2.72
WBPL05	Puruliya	PARA	ANARA	Dug	14	3.02	2.97	4.01	5.2
WBPL071	Puruliya	Puncha	Panipathar	Dug	8.81	1.05	2.04	1.98	4.27
WBPL074	Puruliya	Hura	Lalpur	Dug Well	9.25	3.32	1.86	1.99	3.07
WBPL075	Puruliya	Hura	Katagora	Dug Well		3.75	1.64	2.22	3.57
WBPL076	Puruliya	Puncha	Raheradhi	Dug Well	8.87	0.76	0.93	3.38	4.87
WBPL077	Puruliya	Puncha	Chakgopalpur	Dug Well	10.45	5.04	1.17	2.25	3.77
WBPL079	Puruliya	Puncha	Kulgara	Dug Well	10.9	5.9	1.96	3.81	4.3
WBPL080	Puruliya	Hura	Kulgara	Dug Well		5.95	2.24	2.87	5.3
WBPL07A	Puruliya	JHALDA-II	KOTSHILA	Dug	12.86	2.25	0.68	1.48	3.15
WBPL08	Puruliya	ARSAHA	ARSHA	Dug	9.76	5.88	2.47		
WBPL083	Puruliya	Para	Kashiberia	Dug Well	10.25	4	2.04	2.61	5.72
WBPL084	Puruliya	Hura	Duriakata	Dug Well	10	5.34	1.72	5.04	5.3
WBPL085	Puruliya	Puncha	Puncha	Dug Well		5.72	2.63	4.27	
WBPL086	Puruliya	Barabazar	Purihasa	Dug Well	10	3.73	1.39	2.5	4.25
WBPL087	Puruliya	Manbazar	Gopalnagar	Dug Well	5.1	0.79	0.71	1.25	1.8
WBPL088	Puruliya	Jhalda - II	Durgu	Dug Well	10.5	6.04	2.2	3.73	5.43
WBPL089	Puruliya	Puncha	Damodarpur	Dug Well		2.83	0.78	2.26	3.57
WBPL09	Puruliya	BAGMUNDI	BAGHMUNDI	Dug	9.44	3.44	3.11	3.94	4.98
WBPL090	Puruliya	Puneha	Loulara	Dug Well		6.75	3.83	4.45	5.42
WBPL091	Puruliya	Hura	Kulabahal	Dug Well			1.31	4.45	5.66
WBPL092	Puruliya	Joypur	Joypur Forest More	Dug Well		1.95	0.56	1.32	2.65
WBPL093	Puruliya	Jhalda - II	Nowahatu	Dug Well			0.74	4.74	4.97
WBPL094	Puruliya	Jhalda - II	Ukma	Dug Well			0.26	1.58	3.62
WBPL095	Puruliya	Purulia - 1	Pandrama	Dug Well		2.34	0.27	1.36	4.89
WBPL096	Puruliya	Arsha	Hansla More	Dug Well		5.54	2.77	3.39	5.26
WBPL097	Puruliya	Balarampur	Namsole	Dug Well		2.79	1.25	2.34	5.91
WBPL098A	Puruliya	Balarampur	Dava	Dug Well		3.53		2.21	
WBPL099	Puruliya	Barabazar	Aga Jhore	Dug Well		2.5	2.27	3.39	4.28
WBPL100	Puruliya	Purulia	Sankhari	Dug Well			1.16	3.12	5.17
WBPL101A	Puruliya	Banduan	Banduan	Dug Well				2.53	
WBPL102	Puruliya	Manbazar - 1	Sindurpur	Dug Well		1.3	1.32	2.37	4.11
WBPL103	Puruliya	Puneha	Matha	Dug Well		2.13	0.79	2.37	4.34
WBPL104	Puruliya	Kashipur	Palash Kola	Dug Well		4.57	1.35	3.68	5.19
WBPL105	Puruliya	Santuri	Santuri	Dug Well			1.25	2.4	3.46
WBPL106	Puruliya	Purulia - 1	Dhobakata	Dug Well		3.77	2.36	3.14	3.26
WBPL107	Puruliya	Puncha	Taltal	Dug Well		3.3	1.93	3.56	4.76
WBPL108	Puruliya	Hura	Kumardihi	Dug Well		6.75	2.27	3.03	4.84
WBPL109	Puruliya	Tuncha	Damodarpur	Dug Well		5.2	1.81	4.03	6.24
WBPL110	Puruliya	Puncha	Dadki	Dug Well		3.57	0.95	2.67	3.9
WBPL111	Puruliya	Hura	Mongalpur	Dug Well		2.1	1.05	3.22	2.84
WBPL112	Puruliya	Hura	Asanboni	Dug Well		4.07	1.15	2.9	4.1
WBPL113	Puruliya	Hura	Gurda More	Dug Well		1.8	0.56	1.6	2.37
WBPL114	Puruliya	Balarampur	Balarampur	Dug Well				2.79	5.71
WBPL115	Puruliya	Manbazar I	Budpur	Dug Well				1.73	3.25
WBPL12B	Puruliya	JHALDA-I	TULIN	Dug	8.6		0.78	1.72	3.02
WBPL13	Puruliya	RAGHUNATHPUR	RAGHUNATHPUR	Dug	18.3	1.79	1.18	5.84	8.14
WBPL14B	Puruliya	KASHIPUR	GOURANDIHI	Dug	10		1.32	1.6	2.27
WBPL15A	Puruliya	PUNCHA	KENDA (Sardardih more)	Dug	9	4.35	1.47	2.52	3.71
WBPL17A	Puruliya	BARABAZAR	TOKARIYA	Dug	10.2	1.25	0.5	2.85	4.5
WBPL18	Puruliya	BARABAZAR	SINDRI	Dug	14	2.83	2.24	2.88	4.13
WBPL19A	Puruliya	BARABAZAR	DANGARDI	Dug	11.4		0.97	2.39	3.55



SL No	District_Name	Block_Name	Site_Name	Well Type	Well Depth	Apr-20	Aug-20	Nov-20	Jan-21
WBPL20	Puruliya	PUNCHA	BAGDA	Dug	12	1.73	0.92	1.93	3.15
WBPL21	Puruliya	JAYPUR	NARAYANPUR	Dug	12	0.42	0.11	1.36	1.81
WBPL22A	Puruliya	JHALDA-I	JHALDA	Dug	10.1		1.25	2.88	3.85
WBPL23	Puruliya	JHALDA-I	JHARGO	Dug	12	1.55	3.77	4	4.95
WBPL24	Puruliya	KASHIPUR	INDRABIL	Dug	12			1.96	2.97
WBPL25	Puruliya	HURA	KESHARGARH	Dug	7.5	2.65	1.39	2.68	3.52
WBPL26	Puruliya	BALARAMPUR	BARA URMA	Dug	8.15	1.88	0.68	2.7	3.74
WBPL27A	Puruliya	HURA	LEDURKA	Dug	11	1.68	0.38	1.62	2.8
WBPL28	Puruliya	PURULIA-I	TAMNA	Dug	5	2.8	1.27	2.33	3.15
WBPL29	Puruliya	ARSHA	KANTADIHI	Dug	12.63	7.79	4.8	5.64	7.1
WBPL30	Puruliya	SANTURI	LEDASON	Dug	9.43	2.07	2.16	3.23	5.17
WBPL31A	Puruliya	RAGHUNATHPUR-I	BERO	Dug	10	2.57	1.58	2.55	3.57
WBPL32	Puruliya	PARA	KUSTAR	Dug	6.8	4.91	2.08	3.81	4.07
WBPL33A	Puruliya	PARA	PARA	Dug	12.96	3.9	3.04		4.97
WBPL34	Puruliya	PARA	DUBRA	Dug	13.09	5.3	3.14	2.64	5.34
WBPL37	Puruliya	BAGHMUNDI	MATHBURA	Dug	14	8.58	6.62	7.53	9.09
WBPL38A	Puruliya	JOYPUR	JOYPUR	Dug	11		1.36	2.68	4.58
WBPL39	Puruliya	HURA	BISHPURIA	Dug	9.7	2.5	1.09	2.25	3.7
WBPL40	Puruliya	KASHIPUR	SIMLA	Dug	11.39	4.01	0.89	2.56	4.53
WBPL41	Puruliya	BAGHMUNDI	KORENGE	Dug	9	4.88	3.86	3.04	3.96
WBPL42	Puruliya	SANTURI	BALITORA	Dug	13.8		0.97	1.74	2.49
WBPL43	Puruliya	ARSHA	AHARRAH	Dug	5.61	4.26	2.99	3.33	4.11
WBPL44B	Puruliya	ARSHA	SIRKABAD	Dug	8.65			3.75	5.34
WBPL45	Puruliya	PURULIYA-II	CHAKALTORE	Dug	12.5	0.96	1.07	1.82	2.72
WBPL46	Puruliya	PARA	JHAPRA	Dug	10.2		1.26	2.63	3.37
WBPL47	Puruliya	RAGHUNATHPUR-I	NADUARA	Dug	12.14	6.45	2.29	3.71	6.49
WBPL48D	Puruliya	BARABAZAR	BARABAZAR	Dug	10.66			2.25	4.99
WBPL49	Puruliya	RAGHUNATHPUR-I	CHINPINA	Dug	7.13	2.51	0.79	2.21	3.3
WBPL50	Puruliya	PURULIYA-II	PODALA ROAD	Dug	9.22	4.17	1.31	2.41	3.89
WBPL52	Puruliya	RAGHUNATHPUR-II	BABUGRAM	Dug	10.3	3.28	1.06	2.6	3.7
WBPL53B	Puruliya	KASHIPUR	KAPASITHA	Dug	13.1	6.83		1.89	4.68
WBPL54	Puruliya	KASHIPUR	NAPARA	Dug	9.61	1.43	1.23	2.05	3.09
WBPL55A	Puruliya	PARA	DEULI	Dug	10			5.11	6.47
WBPL56	Puruliya	NETURIA	SARBORI	Dug	12.74	0.73		1.52	2.33
WBPL57	Puruliya	Hura	Bhangabandh	Dug Well		2.67			
WBPL58	Puruliya	NETURIA	GOBAG	Dug	8.6	4.27	2.48	3.67	4.27
WBPL61	Puruliya	BANDWAN	DHABANI	Dug	11.37		2.74	4.5	6.72
WBPL62	Puruliya	MANBAZAR-II	ANKRO	Dug	11.55		1.31	3.42	4.76
WBPL63	Puruliya	NETURIA	NITURIA	Dug	11.42	2.08	0.29	1.72	2.7
WBPL64	Puruliya	Hura	Katagora	Dug		5.1		2.3	
WBPL65	Puruliya	Hura	Katagora	Tube Well		5.22			
WBPL66	Puruliya	Purulia - I	Imundi	Dug		1.85		1.47	
WBPL67	Puruliya	Barabazar	Bamundiha	Dug		5.9		4.3	
WBPL68	Puruliya	Barabazar	Bamundiha	<b>DUG</b>		2.9		4.6	
WBPL69	Puruliya	Manbazar-II	Khariduyara	Dug				3.93	
WBPL70	Puruliya	Kashipur	Rangani	Dug		2.55		2.8	
WBST02B	South 24 Parganas	Kulpi	Hatuganj	Dug		0.1	1.28	0.47	3.8
WBST03B	South 24 Parganas	Namkhana	Namkhana	Mark-II		10.15	10.58		11.4
WBST04A	South 24 Parganas	Baruipur	Baruipur	Mark-II		7.21	10.28	7.13	8.05
WBST05A	South 24 Parganas	Mathurapur	Raidighi	Mark-II	293	13.26		13.15	11.08
WBST07	South 24 Parganas	Cmc	Budge Budge	DW	3.9	0.47	0.75	0.66	1.8
WBST08	South 24 Parganas	Cmc	Barisha	DW	4.88	0.18	0.05	0.17	0.23
WBST09A	South 24 Parganas	Kulpi	Kulpi	PZ	136.52		12.25	12	11.9
WBST104	South 24 Parganas	Budge Budge	Pujali	PZ	209.69	14.26	8.4		12.5
WBST105	South 24 Parganas	Budge Budge	Dongaria	PZ	95.16		13.81		2.03
WBST106	South 24 Parganas	Baruipur	Surjapur-Hut	TW	37	3.07	2.96	2.99	
WBST108	South 24 Parganas	Bishnupur-I	Amtala	TW			11.12		11.9
WBST11	South 24 Parganas	Bhangar	Bhangar	TW	85				0.7

SL No	District_Name	Block_Name	Site_Name	Well Type	Well Depth	Apr-20	Aug-20	Nov-20	Jan-21
WBST112	South 24 Parganas	Bhangar-II	Kulti	TW Cylindrical	40	6.38		5.4	4.6
WBST113	South 24 Parganas	Canning-II	Akratala	TW	18		2.69		11
WBST114	South 24 Parganas	Canning-II	Jaikhali	TW	18	4.64	4.47	2.87	10.5
WBST115A	South 24 Parganas	Basanti	Purba Bhangankhali	TW		5.13	3.05	2.94	
WBST116	South 24 Parganas	Basanti	Narayantala	Cylindrical	48	5.65	4.62	3.99	8.42
WBST117	South 24 Parganas	Sonarpur	Kadalia	TW	24				11.9
WBST118	South 24 Parganas	Sonarpur	Gobindapur	TW	24	12.64	3.65	11.01	11.8
WBST120	South 24 Parganas	Canning-I	Nalia Khali	Mark-II	24		5.41	6.17	12.7
WBST121	South 24 Parganas	Canning-I	Paranikkheko	Mark-II	24		6.07		9.7
WBST122	South 24 Parganas	Canning-I	Canning	Cylindrical					9.95
WBST123	South 24 Parganas	Budge Budge -I	Gobarjuri	Mark-II	54	13.27	14.21	12.87	12.6
WBST125	South 24 Parganas	Baruipur	Sarberia	Mark-II	54	8.81	7.3	7.42	8.8
WBST126	South 24 Parganas	Mathurapur-II	Khanrapara	Cylindrical	40	13.68	10.42	13.6	12.2
WBST127	South 24 Parganas	Mathurapur-II	Companitthek	Cylindrical	40	12.35	11.68	12.31	8.6
WBST128	South 24 Parganas	Baruipur	Tangtala	Mark-II	54	10.04	9.04	8.99	10.1
WBST129	South 24 Parganas	Kakdwip-I	Kakdwip	Mark-II	54	13.7	9.32		13.67
WBST13	South 24 Parganas	Falta	Falta Dw	DW		0.91	0.3	2.61	0.73
WBST130	South 24 Parganas	Baruipur	Champahati	Mark II	274	6.88	3.68	6.85	9.05
WBST131	South 24 Parganas	Basanti - I	Bhawankhali	Cyl. TW					12.25
WBST132	South 24 Parganas	Bhangar - II	Polerhut	Cyl. TW	305	7			1
WBST133	South 24 Parganas	Kulpi - I	Nischintapur	Mark-II	239.89	14.57		12.73	12
WBST134	South 24 Parganas	Kakdwip	Kakdwip	Mark II	305				12.8
WBST135	South 24 Parganas	Kmc	Dhapa	Pz	101	13.9	17.97	13.57	12.27
WBST136	South 24 Parganas	Thakurpukur- Maheshtala	Joka	Cyl. TW		16.58	15.26	15.57	
WBST137	South 24 Parganas	Baruipur	Phultala	TW		9.25	7.88	7.87	8.65
WBST138	South 24 Parganas	Baruipur	Naridana	TW		6.61	5.78	6.39	8.8
WBST139	South 24 Parganas	JAYNAGAR-II	Natunhat Bakultala	TW		9.01	7.22	8.98	
WBST140A	South 24 Parganas	Baruipur	Piyali	Pz		3.42	2.5	3.39	9.6
WBST141	South 24 Parganas	Baruipur	Ramnagar	Mark-II			7.68		10.5
WBST142	South 24 Parganas	Baruipur	Padma Jola	Mark-II			7.42	6.29	12.37
WBST143	South 24 Parganas	Canning I	Dhpadhapi	Mark-II		9.01	8.36	8.42	
WBST144	South 24 Parganas	Canning I	Canning	TW		5.11	4.73	5.07	10.05
WBST145	South 24 Parganas	Sonarpur	Noabad	Mark-II			10.17		11.8
WBST146	South 24 Parganas	Bhangar	Jalabaria	Mark-II		8.13	6.32	7.66	15.7
WBST147	South 24 Parganas	Bhangar	Harirpur	Mark-II		10.21	9.59	9.45	10.35
WBST148	South 24 Parganas	Kakdwip	Kumarhat	Mark-II		8.18	8.2	7.51	12.1
WBST149	South 24 Parganas	Jayanagar II	Natunhat	Mark-II					
WBST14A	South 24 Parganas	Falta	Sargaria	TW	283.33				11.25
WBST150	South 24 Parganas	Joynagar	Jaynagar	Mark-II		10.34	8.7	9.37	8.2
WBST151	South 24 Parganas	Bishnupur -I	Kabandighi	Pz		11.34	11.15	11.2	
WBST152	South 24 Parganas	Bishnupur -I	Amtala	DW		0.48	0.11	0.64	1.16
WBST153	South 24 Parganas	Namkhana	Budhakhali	Mark-II		11.95	11.63		12.2
WBST154	South 24 Parganas	Budge Budge	Dongaria	Pz			13.06		15.25
WBST155	South 24 Parganas	Falta	Falta	DW					0.6
WBST156	South 24 Parganas	Falta	Sangaria	Mark-II		10.92	10.78	11.27	11.1
WBST158A	South 24 Parganas	Kakdwip	Dholahat	Mark-II			11.75	10.39	9.65
WBST159	South 24 Parganas	Pathar Pratima	Milan more	TW		6.23	12.18	6.2	10
WBST15A	South 24 Parganas	Joynagar	Jaynagar	TW					8.55
WBST161	South 24 Parganas	Baruipur	Sahapara	Mark-II		10.11	8.98	8.93	5.3
WBST162	South 24 Parganas	Sonarpur	Moulahati Jol tank	Pz		15.85	5.8	12.7	
WBST163	South 24 Parganas	Mandir Bazar	Chota pool(Sarinj Nagar)	Mark-II			4.8		10
WBST164	South 24 Parganas	Dakhin Birimpur	Birimpur	Mark-II					
WBST165	South 24 Parganas	Basanti	Basanti	Mark-II		7.66	5.9	5.24	11.3
WBST166	South 24 Parganas	Bug Bug-II	Achipur	Pz		15.88	11.41	13.99	15.61
WBST167	South 24 Parganas	Bishnupur-I	Panakua Gram	Pz			11.2		8.87

SL No	District_Name	Block_Name	Site_Name	Well Type	Well Depth	Apr-20	Aug-20	Nov-20	Jan-21
			Panchyat						
WBST168	South 24 Parganas	Bishnupur-I	Amgacia	Pz		13.5	13.41		
WBST169	South 24 Parganas	Sagar	Ganga Sagar	Mark-II		8.91			9.6
WBST17	South 24 Parganas	Baruipur	Ramdhari	TW	243.84	4.52	2.9	4.44	7.8
WBST170	South 24 Parganas	Basanti	Nafarganj	Mark-II		7.61	6.23	6.56	11.35
WBST171	South 24 Parganas	Basanti	Joygopalpur	Mark-II					12.3
WBST172	South 24 Parganas	Mathurapur-II	Tatuntala	Mark-II		12.23	10.64	12.15	9.84
WBST173	South 24 Parganas	Basanti	Kalimore	Mark-II		7.53	5.99		12.3
WBST174	South 24 Parganas	Bhangar-II	Kashipur	Mark-II			4.02		11.24
WBST175	South 24 Parganas	Canning-Ii	Rampadha More	Mark-II					9.7
WBST176	South 24 Parganas	Canning-I	Raibaghini more	Mark-II		7.57	4.41	7.18	8.84
WBST177	South 24 Parganas	Baruipur	Dakshin Ramnagar	Mark-II					11.3
WBST178	South 24 Parganas	Basanti	Goiler More	Mark-II			3.37	5.77	10.08
WBST179	South 24 Parganas	Basanti	Kalidanga	Mark-II			6.87		13.1
WBST19A	South 24 Parganas	Joynagar	Dhoserhat	TW		7.48	6.08	7.43	9.15
WBST20A	South 24 Parganas	Kultali	Ambikanagar	TW		10.29	6.14	10.26	16.88
WBST21	South 24 Parganas	Bishnupur	Dakshin Barasat	TW	304.8		8.86	8.5	9.18
WBST22	South 24 Parganas	Mathurapur-I	Radhakantapur	TW	350.52				11.12
WBST30	South 24 Parganas	Bhangar	Kashipur	TW	91	5.26	4	5.87	11.1
WBST32A	South 24 Parganas	Sonarpur	Langalberia	TW	245	11.43	10.6	10.32	11.8
WBST38	South 24 Parganas	Baruipur	Ramnagar	TW		7.87		7.66	8.28
WBST42A	South 24 Parganas	Bhangar	Katalia	TW		3.06		2.85	4.3
WBST43	South 24 Parganas	Bhangar	Chandipur	TW	20.11	2.65	2.48	2.59	4.98
WBST44A	South 24 Parganas	Canning	Athaarobanki	TW-II		5.43	3.73		0.52
WBST46	South 24 Parganas	Bhangar	Nalmuri	TW	299	34.11	3.32	4.04	5.38
WBST47A	South 24 Parganas	Bhangar	Bhojerhat	TW	45.72	0.51		0.67	0.95
WBST53B	South 24 Parganas	Sonarpur	Srirampur Tw	TW	342		10.87	6.6	10.1
WBST55A	South 24 Parganas	Sonarpur	Rajpur	TW	76		4.69		10.4
WBST57B	South 24 Parganas	Sonarpur	Noabad(8/97)	TW		9.73	9.58	9.44	12.1
WBST60	South 24 Parganas	Baruipur	Dhopagachi	TW	305	9.94	8.6	9.62	10.6
WBST61A	South 24 Parganas	Joynagar	Burarghat	TW-Mark II		10.16	8.85	10.11	9.05
WBST62C	South 24 Parganas	Maheshtala	Nungi	DW	152	16.65	15.25	15.12	15.15
WBST66A	South 24 Parganas	Mathurapur-I	Mathurapur (Ramnagar)	TW	305	10.88	9.57	9.93	10.15
WBST67	South 24 Parganas	Mandirbazar	Mandir Bazar	TW	320	9.9	10.88	11.09	12.1
WBST68	South 24 Parganas	Mathurapur	Andhamanitala	TW					11.55
WBST73A	South 24 Parganas	Mandirbazar	Anchna Pz-ii	Mark-II	374	12.19	10.93	12.13	12.1
WBST83	South 24 Parganas	Basanti	Sonakhali.c	TW	351.36		3.13	5.97	19.68
WBST84	South 24 Parganas	Falta II	Dostipur	DW	11.1	0.32	0.82	1.29	0.8
WBST85A	South 24 Parganas	Basanti	Panikhali Bazar	TW	289.56	5.03	3.9	6.17	
WBST90A	South 24 Parganas	Sagar	Kochuberia rc jetty ghat	TW		13.57	13.18	12.55	10.2
WBST91	South 24 Parganas	Sagar	Digambari (rudranagar)	TW	259.15	9.66			9.6
WBST92A	South 24 Parganas	Gosaba	Jotirampur Ferryghat	TW	250		3.92		
WBST94	South 24 Parganas	Pathar Pratima	Gurudaspur	TW	259.15		11.4	8.35	10.95
WBST95	South 24 Parganas	Maheshtala	Goragacha	DW	13.71	0.05	0.25	0.04	13.15
WBST96	South 24 Parganas	Diamond Harbour	Uttar Hazipur	DW	6.5		0.37	0.45	0.75
WBST97	South 24 Parganas	Diamond Harbour	Rajar Taluk	DW	12.5				0.7
WBST98	South 24 Parganas	Namkhana	Rajnagar	TW	385.85	8.63	8.77		11.79
WBST99	South 24 Parganas	Namkhana	Bakkhali	TW	390	7.75	7.5		8.42
WBWD110	Uttar Dinajpur	Kaliaganj	Mustafa Nagar	TW MK-II				2.47	4.68
WBWD111	Uttar Dinajpur	Kaliaganj	Dhankal	TW Mrk-II		3.17	2	2.1	2.59
WBWD112	Uttar Dinajpur	Hemtabad	Hemtabad	TW Mrk-II		5.7	3.97	5.4	5.28
WBWD113	Uttar Dinajpur	Chopra	Islampur OW	PZ		1.2	1.44	3.4	3.04
WBWD114	Uttar Dinajpur	Islampur	Gunjaria	TW Mrk-II		2.48	2.89	3.5	5.08
WBWD117	Uttar Dinajpur	Karandighi	Rashkhowa	TW Mrk-II		1.93		3.05	6.56
WBWD118	Uttar Dinajpur	Raiganj	Karnojora (Raiganj)	TW				4.4	4.56
WBWD14A	Uttar Dinajpur	Itahar	Durgapur	Dug Well	4.79	2.25		2.06	2.83

SL No	District_Name	Block_Name	Site_Name	Well Type	Well Depth	Apr-20	Aug-20	Nov-20	Jan-21
WBWD16B	Uttar Dinajpur	Hemtabad	Malan	Dug Well	6	2.3	0.65	1.67	2.32
WBWD23	Uttar Dinajpur	Itahar	Itahar Pz	PZ		5.23	1.99		
WBWD24	Uttar Dinajpur	Karandighi	Tungidighi	Dug Well	65	4.63	1.16	2.44	3.28
WBWD26	Uttar Dinajpur	Goalpokhar-li	Kanki	Dug Well	10.4		0.84	1.86	2.64
WBWD29A	Uttar Dinajpur	Chopra	Chopra	Tube Well	18	3.32	4.04	2.99	5.87
WBWD40B	Uttar Dinajpur	Raiganj	Barakamat	Dug Well	3.3	1.03		0.95	1.49
WBWD41	Uttar Dinajpur	Kaliaganj	Mustafa Nagar	Dug Well				2.84	
WBWD42	Uttar Dinajpur	Kaliaganj	Dalimgaon	Dug Well	5.92	1.72	1.45	1.9	2.64
WBWD45B	Uttar Dinajpur	Chopra	Molani	Dug Well	0.95	1.93	2.11		3.17
WBWD47	Uttar Dinajpur	Chopra	Panjipara	Dug Well	15.24	0.25	0.5	4.05	2.13
WBWD66	Uttar Dinajpur	Itahar	Patirajpur	tube Well		26	2.56		
WBWD67	Uttar Dinajpur	Itahar	Durgapur	Pz	56.65	3.33	0.9		3.35
WBWD69A	Uttar Dinajpur	Raiganj	Karnojora (Raiganj)	Pz	56.8	5.53		4.45	
WBWD70A	Uttar Dinajpur	Kaliaganj	Baghan	Pz	50.69	3.63	2.47		3.72
WBWD87	Uttar Dinajpur	Raiganj	Lahanda	TW M-II	137	4.49	1.81	3.16	1.81
WBWD88	Uttar Dinajpur	Raiganj	Lohagara	TW M-II	102	5.26	2.58	3.63	2.58
WBWD90	Uttar Dinajpur	Raiganj	Koiadongi	TW M-II	76	4.87	2.97	3.71	2.97
WBWD91	Uttar Dinajpur	Raiganj Mc	Subhasganj	TW M-II	91	4.39		3.8	4.02
WBWD92	Uttar Dinajpur	Kaliaganj	Kaliaganj	Dug Well	13.56	2.44	1.56	2.18	2.1
WBWD93	Uttar Dinajpur	Kaliaganj	Koonar	Dug Well	4.3	2.78	0.95	0.9	

## DEPTH TO WATER LEVEL IN AND AROUND KOLKATA CITY

Well No	<X>	<Y>	District	Location	Depth of Well	RL	Jun-20	Aug-20	Nov-20	Jan-21
WBCT05	88.438	22.552	Kolkata	Salt Lake Pz	243	3.25	15.54	18.6	15.93	16.99
WBCT06	88.367	21.469	Kolkata	Kundghat Tw	-	4.43	14.24	15.85	15.06	15.63
WBCT08	88.236	22.385	Kolkata	Command Hospital Pz	-	4.73	15.61	18.88	14.81	19.46
WBCT09B	88.236	22.385	Kolkata	Dum Dum	-	4.02	20.75	18.35	18.35	19.8
WBCT11B	88.236	22.385	Kolkata	Taltala	116	5.57	19.35	18.89	19.3	18.4
WBCT12C	88.372	22.573	Kolkata	Rajabazar	-	3.88	19.49	18.67	18.2	19.42
WBCT13B	88.372	22.573	Kolkata	Baghbazar	-	5.53	20.59	19.25	19.55	19.6
WBCT14A	88.383	22.627	Kolkata	Sinhi (belgachia)	-	4.46	19.12	19.65	17.95	18.75
WBCT17	88.313	21.492	Kolkata	Jhautala	-	4.55	-	16.44	16.38	13.5
WBCT18	88.375	22.617	Kolkata	Fort Willam Pz-i Deep	201.5	6	-	-	15.82	17.24
WBCT18A	88.375	22.617	Kolkata	Fort Willam Pz-ii Int.	150.46	6	-	-	17.66	17.4
WBCT18B	88.375	22.617	Kolkata	Fort William Pz-iii Sha.	60	6	-	-	18.31	18.98
WBCT19	88.632	22.492	Kolkata	Jadavpur Pz-i	264	5	17.89	16.26	15.57	17.15
WBCT19A	88.631	22.492	Kolkata	Jadavpur Pz-ii	244	5	16.95	18.07	17.93	17.12
WBCT19B	88.463	22.492	Kolkata	Jadavpur Pz-iii	-	5	17.9	17.66	17.06	17.87
WBCT20	88.463	22.492	Kolkata	Baishnabghata Patuli	119.38	3	-	-	14.1	
WBCT21	88.463	22.492	Kolkata	I A Park	209	4	16.85	13.55	17.28	18.1
WBCT22	88.463	22.492	Kolkata	Rajbhavan	150	6	18.82	17.25	18.15	18.92
WBCT23B	88.463	22.492	Kolkata	Bantala-natunhat	-	4	11.17	11.16	10.53	12.71
WBCT24	88.414	22.570	Kolkata	Bidhanagar	-	4	0.63	1.17	0.95	1.44
WBCT25	88.411	22.560	Kolkata	Beliaghata	-	4	1.72	1.42	2.15	2.4
WBCT27	88.363	22.528	Kolkata	Ballygunge	234	3	15.08	16.47	3.64	15.9
WBCT30	88.322	22.459	Kolkata	Thakurpukur	-	4	14.26	14.9	16.55	14.65
WBCT31A	88.322	22.459	Kolkata	Keorabazar	-	6.5	0.55	2.32	14.31	1.77
WBCT34	88.374	22.599	Kolkata	Shyambazar	-	8.5	19.62	-	1.32	
WBCT35	88.374	22.586	Kolkata	Maniktala	-	6.5	19.51	18.65	15.49	18.11
WBCT37	88.393	22.567	Kolkata	Belegghata	-	6.5	17.95	17.4	15.54	16.92
WBCT38	88.374	22.569	Kolkata	Sealdah	-	7.0	17.8	16.9	16.01	17.65

## Chemical Quality Data of Groundwater Samples Collected from NHNS Monitoring Stations of West Bengal during AAP 2020-2021

SN	District	Block	Location	Well ID	Source	pH	EC	TH (as CaCO <sub>3</sub> )	Ca+2 (as Ca)	Mg+2 (as Mg)	Na	K	CO <sub>3</sub>	HCO <sub>3</sub>	Total Alk as CaCO <sub>3</sub>	Cl	NO <sub>3</sub>	SO <sub>4</sub>	F	TDS	Fe
							$\mu\text{S cm}^{-1}$	mg/L													
1	Bankura	Bankura I	Benajira	WBBK031	Dug Well	8.27	1680	609	148	58	102	40	Traces	380	311	312	56	37	Traces	984	0.14
2	Bankura	Bankura I	Bhagabanpur	WBBK097	Dug Well	8.23	671	233	55	23	59	4	Traces	259	212	68	4	39	Traces	410	0.82
3	Bankura	Bankura I	Kenjakura	WBBK045A	Dug Well	8.12	2150	553	122	60	206	5	Traces	148	122	373	353	45	0.09	1255	0.18
4	Bankura	Bankura II	Bankura	WBBK006	Dug Well	8.36	582	184	52	13	52	8	24	153	166	79	17	Traces	0.05	329	0.11
5	Bankura	Bankura II	Beliatore	WBBK115	Dug Well	7.68	701	141	47	5	88	4	Traces	27	23	120	151	34	Traces	466	0.12
6	Bankura	Bankura II	Bikna	WBBK149	Dug Well	8.12	691	273	74	22	33	6	Traces	135	111	147	15	8	Traces	387	0.69
7	Bankura	Bankura II	Kadahghati	WBBK164	Dug Well	8.24	319	133	36	10	12	4	Traces	142	116	24	7	3	0.98	184	0.10
8	Bankura	Bankura II	Shalbani	WBBK099	Dug Well	8.17	1510	245	39	36	230	49	Traces	237	194	315	81	76	0.07	971	0.08
9	Bankura	Barjora	Bandhakona	WBBK144	Dug Well	7.76	360	78	22	5	51	4	Traces	45	37	92	6	25	1.09	234	0.17
10	Bankura	Barjora	Barjora	WBBK001	Dug Well	7.70	524	144	34	14	61	5	Traces	165	135	73	5	30	0.18	325	0.13
11	Bankura	Barjora	Chunpara	WBBK058	Dug Well	8.22	1262	198	27	32	188	18	Traces	231	189	201	49	81	0.05	738	8.96
12	Bankura	Barjora	Dejuri	WBBK143	Dug Well	7.79	351	127	34	10	26	5	Traces	116	95	45	31	Traces	0.04	223	0.14
13	Bankura	Barjora	Hatasuria	WBBK037A	Dug Well	8.55	883	144	35	14	58	129	12	207	190	104	106	19	0.83	599	0.53
14	Bankura	Bishnupur	Basudevpur Anchal	WBBK080	Dug Well	7.86	442	149	51	5	35	4	Traces	152	124	71	7	3	1.77	271	0.17
15	Bankura	Bishnupur	Basudevpur Camp (No I)	WBBK079A	Dug Well	8.02	583	192	58	11	35	15	Traces	159	130	92	7	30	1.14	348	0.27
16	Bankura	Bishnupur	Belsula	WBBK081A	Dug Well	8.24	1028	224	48	26	61	135	Traces	218	179	169	33	75	0.01	678	4.36
17	Bankura	Bishnupur	Bishnupur	WBBK126	Dug Well	7.82	357	97	26	8	35	4	Traces	49	40	69	52	5	2.07	231	0.14
18	Bankura	Bishnupur	Bishnupur Kalindi Bandh	WBBK128	Dug Well	8.14	646	150	50	6	74	22	Traces	59	48	103	6	137	Traces	433	0.80
19	Bankura	Bishnupur	Hereparlat Forest Beat Office	WBBK123	Dug Well	7.73	205	59	12	7	21	2	Traces	60	49	35	11	Traces	0.04	125	1.47
20	Bankura	Bishnupur	Jayrampur	WBBK132	Dug Well	7.96	582	131	37	10	51	33	Traces	21	17	90	75	84	0.05	392	0.39
21	Bankura	Bishnupur	Radhanagar	WBBK002B	Dug Well	8.58	1068	178	36	21	152	51	29	350	334	114	11	39	0.18	654	0.17
22	Bankura	Bishnupur	Siromonipur	WBBK124	Dug Well	7.91	874	166	44	13	68	73	Traces	84	69	137	142	28	Traces	557	0.66
23	Bankura	Chatna	Chatna	WBBK007	Dug Well	8.40	716	265	71	21	51	12	6	233	201	83	10	55	1.29	450	0.11

SN	District	Block	Location	Well ID	Source	pH	EC	TH (as CaCO3)	Ca+2 (as Ca)	Mg+2 (as Mg)	Na	K	CO3	HCO3	Total Alk as CaCO3	Cl	NO3	SO4	F	TDS	Fe
							$\mu\text{S cm}^{-1}$	mg/L													
24	Bankura	Chatna	Dhaban	WBBK035A	Dug Well	8.28	1724	646	144	69	81	7	Traces	252	206	255	227	46	2.19	985	0.77
25	Bankura	Chatna	Kamalpur	WBBK057	Dug Well	7.64	1916	772	153	95	68	5	Traces	302	248	324	120	123	5.61	1078	2.13
26	Bankura	Gangajalghati	Gangajal Ghati	WBBK024A	Dug Well	8.04	169	64	19	4	10	1	Traces	32	26	21	18	17	0.13	110	0.25
27	Bankura	Gangajalghati	Khanta	WBBK150	Dug Well	7.62	235	64	18	5	26	2	Traces	104	85	25	5	Traces	1.50	145	0.32
28	Bankura	Gangajalghati	Kusthalia	WBBK038A	Dug Well	8.36	1422	528	160	31	74	4	12	215	196	235	94	76	2.63	814	0.12
29	Bankura	Indpur	Indpur	WBBK103A	Dug Well	7.96	1405	599	129	67	62	9	Traces	349	286	177	164	82	0.20	904	0.17
30	Bankura	Indus	Naldanga	WBBK109	Dug Well	7.78	221	64	14	7	23	2	Traces	50	41	45	7	Traces	1.84	131	1.75
31	Bankura	Joypur	Habib Pushkarni	WBBK129A	Dug Well	7.72	467	139	42	8	31	22	Traces	159	131	74	10	Traces	2.04	286	1.21
32	Bankura	Joypur	Jadavnagar	WBBK054	Dug Well	7.76	207	51	17	2	19	3	Traces	35	29	41	9	Traces	0.04	113	0.95
33	Bankura	Joypur	Joypur	WBBK020	Dug Well	8.26	623	172	42	16	56	15	Traces	174	142	94	11	16	0.03	357	2.12
34	Bankura	Joypur	Prasradpur	WBBK084	Dug Well	8.26	460	195	45	20	23	3	Traces	183	150	48	5	15	0.36	273	0.99
35	Bankura	Khatra I	Baharamuri	WBBK139	Dug Well	8.05	1110	406	67	58	62	27	Traces	297	243	185	43	41	Traces	664	0.20
36	Bankura	Khatra I	Khatra	WBBK114	Dug Well	8.13	1110	402	57	63	86	17	Traces	299	245	168	58	54	0.04	686	0.16
37	Bankura	Mejia	Mejia	WBBK004D	Dug Well	8.30	312	120	38	6	22	1	Traces	182	149	13	3	Traces	0.07	194	1.62
38	Bankura	Mejia	Nandanpur	WBBK111	Dug Well	7.84	940	179	29	26	136	1	Traces	107	87	176	67	59	0.28	558	0.33
39	Bankura	Onda	Gholkunda	WBBK027	Dug Well	8.10	2384	940	200	107	115	5	Traces	197	161	598	115	45	0.43	1306	0.38
40	Bankura	Onda	Jagadalla	WBBK138	Dug Well	7.76	1403	285	77	23	126	138	Traces	272	223	185	26	182	Traces	922	3.03
41	Bankura	Onda	Ratanpur	WBBK019	Dug Well	8.22	162	45	13	3	17	2	Traces	48	39	24	12	Traces	0.46	100	0.07
42	Bankura	Patrasayer	Patrasayar (Station)	WBBK013	Dug Well	8.15	242	67	16	7	21	2	Traces	29	24	51	16	5	1.28	136	0.39
43	Bankura	Raipur I	Raipur	WBBK017	Dug Well	8.28	284	110	32	7	18	4	Traces	130	106	21	13	2	0.26	177	0.27
44	Bankura	Ranibandh	Akhuta More	WBBK159	Dug Well	7.89	372	89	20	9	47	1	Traces	143	117	31	7	19	1.32	223	2.49
45	Bankura	Ranibandh	Jhilimili	WBBK016	Dug Well	8.36	614	281	63	30	20	2	22	238	232	61	3	11	0.15	349	0.61
46	Bankura	Ranibandh	Khejuria	WBBK142	Dug Well	7.92	1105	493	46	92	35	5	Traces	260	213	125	70	105	0.15	637	0.34
47	Bankura	Ranibandh	Ledhapakor	WBBK141	Dug Well	7.93	468	151	57	2	30	13	Traces	184	151	54	12	Traces	Traces	281	0.66
48	Bankura	Ranibandh	Majherigora	WBBK140	Dug Well	8.14	763	243	16	49	67	4	Traces	157	128	163	9	16	0.42	420	0.37
49	Bankura	Saltora	Kashtora	WBBK094	Dug Well	7.96	321	134	39	9	7	19	Traces	152	125	23	2	16	0.02	208	0.51
50	Bankura	Saltora	Lakhanpur	WBBK048B	Dug Well	7.81	1726	683	130	87	94	3	Traces	121	99	291	229	140	0.10	1049	0.16

SN	District	Block	Location	Well ID	Source	pH	EC	TH (as CaCO3)	Ca+2 (as Ca)	Mg+2 (as Mg)	Na	K	CO3	HCO3	Total Alk as CaCO3	Cl	NO3	SO4	F	TDS	Fe
							$\mu\text{S cm}^{-1}$	mg/L													
51	Bankura	Saltora	Saltora	WBBK005	Dug Well	8.23	818	310	86	23	45	1	Traces	224	183	103	4	75	0.24	475	0.50
52	Bankura	Saltora	Shyampur	WBBK154	Dug Well	8.13	1090	322	108	12	77	3	Traces	207	170	124	165	17	0.06	634	0.08
53	Bankura	Simlapal	Dakshin Sole	WBBK136	Dug Well	7.44	703	164	37	17	49	49	Traces	293	240	25	84	Traces	0.04	439	0.13
54	Bankura	Sonamukhi	Gangamoni Danga	WBBK067A	Dug Well	8.21	351	57	11	7	46	19	Traces	44	36	66	18	39	0.06	233	0.30
55	Bankura	Sonamukhi	Krishna Bati	WBBK165	Dug Well	7.96	406	94	24	9	27	34	Traces	81	67	56	69	Traces	0.61	268	2.52
56	Bankura	Sonamukhi	Nafardanga	WBBK065A	Dug Well	8.46	2720	556	113	66	279	217	102	606	666	325	272	116	0.02	1818	0.19
57	Bankura	Sonamukhi	Naruala	WBBK049A	Dug Well	7.48	892	257	55	29	60	51	Traces	84	69	238	26	6	1.76	519	0.97
58	Bankura	Sonamukhi	Parasia	WBBK168	Dug Well	7.85	552	217	54	20	33	9	Traces	228	187	57	4	26	0.33	343	0.63
59	Bankura	Sonamukhi	Pokhana	WBBK061A	Dug Well	8.23	873	231	48	27	81	1	Traces	106	87	174	20	72	0.02	487	0.14
60	Bankura	Sonamukhi	Sonamukhi	WBBK090A	Dug Well	8.08	610	189	34	25	53	12	Traces	115	94	82	95	19	Traces	390	0.40
61	Bankura	Taldangra	Moyra	WBBK073	Dug Well	7.94	135	49	15	3	10	1	Traces	20	16	27	20	Traces	1.48	89	0.72
62	Bankura	Taldangra	Tuldaria	WBBK076	Dug Well	7.68	281	69	15	8	26	7	Traces	28	23	60	34	Traces	1.67	169	0.34
63	Birbhum	Bolpur	Bahari	WBBB33	Dug Well	7.94	605	195	36	25	95	50	Traces	531	435	39	6	13	1.60	387	0.21
64	Birbhum	Bolpur	Baidyanathpur	WBBB36A	Dug Well	8.26	504	210	30	33	25	4	Traces	116	95	138	3	11	0.69	322	0.25
65	Birbhum	Bolpur	Ballavpur	WBBB165	Dug Well	7.55	1228	450	70	67	62	2	Traces	378	310	177	37	51	0.48	786	0.79
66	Birbhum	Bolpur	Bondanga	WBBB150	Dug Well	7.90	506	150	42	11	59	13	Traces	122	100	113	18	13	0.26	324	0.05
67	Birbhum	Bolpur	Gayaspur	WBBB145	Dug Well	8.15	682	275	56	33	61	4	Traces	177	145	85	40	52	0.32	437	0.22
68	Birbhum	Bolpur	Jamboni	WBBB156	Dug Well	8.29	311	100	22	11	31	13	Traces	55	45	50	26	16	0.17	199	0.04
69	Birbhum	Bolpur	Muluk	WBBB146A	Dug Well	7.95	1134	175	44	16	146	7	Traces	67	55	195	43	102	0.27	726	0.01
70	Birbhum	Bolpur	Phuldanga	WBBB185	Dug Well	7.69	466	160	28	22	95	10	Traces	61	50	248	9	12	0.06	298	0.58
71	Birbhum	Bolpur	Prantil	WBBB191	Dug Well	8.05	969	325	64	40	103	4	Traces	226	185	227	4	22	0.20	620	10.62
72	Birbhum	Bolpur	Ruppur	WBBB128	Dug Well	8.22	1698	310	60	39	226	5	Traces	616	505	220	15	65	0.79	1087	0.83
73	Birbhum	Bolpur	Shyambati	WBBB47	Dug Well	8.30	198	15	20	8	69	9	Traces	67	55	160	1	13	0.32	127	1.02
74	Birbhum	Bolpur	Supur	WBBB200	Dug Well	8.20	889	260	36	41	92	5	Traces	262	215	117	22	64	0.24	569	0.23
75	Birbhum	Bolpur	Surul	WBBB190	Dug Well	8.09	575	270	42	40	75	3	Traces	262	215	85	12	33	0.18	368	0.59
76	Birbhum	Dubrajpur	Bakreswar	WBBB27	Dug Well	7.75	1110	405	78	51	111	21	Traces	421	345	117	42	62	1.90	710	0.55
77	Birbhum	Dubrajpur	Batkar	WBBB19	Dug Well	7.71	997	350	64	46	86	4	Traces	519	425	67	15	14	1.70	638	0.60



SN	District	Block	Location	Well ID	Source	pH	EC	TH (as CaCO3)	Ca+2 (as Ca)	Mg+2 (as Mg)	Na	K	CO3	HCO3	Total Alk as CaCO3	Cl	NO3	SO4	F	TDS	Fe
							$\mu\text{S cm}^{-1}$	mg/L													
78	Birbhum	Dubrajpur	Gokrul	WBBB135	Dug Well	8.29	689	200	60	12	100	38	Traces	122	100	177	41	58	0.30	441	0.18
79	Birbhum	Dubrajpur	Sahapur	WBBB159	Dug Well	7.87	900	275	54	34	60	7	Traces	250	205	106	38	Traces	0.35	576	Traces
80	Birbhum	Illambazar	Illambazar	WBBB09	Dug Well	7.92	502	125	22	17	56	17	Traces	73	60	82	16	74	0.39	321	0.24
81	Birbhum	Illambazar	Joydev-Kenduli	WBBB25	Dug Well	7.84	584	285	50	39	14	9	Traces	366	300	35	12	20	0.56	374	0.19
82	Birbhum	Kastogora	Kastogara	WBBB205	Dug Well	8.29	199	100	22	11	35	6	Traces	67	55	50	4	37	0.12	127	0.22
83	Birbhum	Khairasol	Lokpur	WBBB194	Dug Well	8.23	915	300	44	46	75	1	Traces	244	200	117	39	50	0.16	585	0.08
84	Birbhum	Labpur	Chouhata	WBBB196	Dug Well	8.09	364	145	74	7	33	2	Traces	201	165	43	7	19	0.16	233	3.02
85	Birbhum	Mayureswar II	Kotasur	WBBB22B	Dug Well	7.87	504	240	36	36	28	5	Traces	378	310	25	1	Traces	0.78	323	2.72
86	Birbhum	Mayureswar II	Narayanghati	WBBB99	Subm TW	7.07	200	110	28	10	60	5	Traces	92	75	96	2	14	0.75	128	0.02
87	Birbhum	Md.Bazar	Banbataspur	WBBB70	Dug Well	8.30	217	95	14	15	23	5	Traces	110	90	35	16	12	0.27	139	0.09
88	Birbhum	Md.Bazar	Chaptala	WBBB67B	Dug Well	7.82	1165	365	60	52	49	3	Traces	305	250	135	43	37	0.29	746	0.46
89	Birbhum	Md.Bazar	Damra	WBBB74	Dug Well	7.76	942	245	22	46	76	7	Traces	201	165	142	43	17	0.29	603	0.03
90	Birbhum	Md.Bazar	Dighalgram	WBBB69B	Dug Well	8.14	611	145	26	19	89	1	Traces	134	110	131	43	7	0.20	391	0.02
91	Birbhum	Md.Bazar	Ganpur	WBBB72A	Dug Well	7.95	417	175	34	22	24	3	Traces	153	125	64	38	11	0.22	267	0.04
92	Birbhum	Md.Bazar	Joypur II	WBBB174	Dug Well	8.13	941	285	44	42	22	9	Traces	238	195	85	41	46	0.43	602	0.46
93	Birbhum	Md.Bazar	Khairakuri	WBBB63	Dug Well	7.79	1284	360	48	58	99	37	Traces	397	325	160	40	63	0.46	822	0.67
94	Birbhum	Md.Bazar	Kumorpur	WBBB179	Dug Well	8.19	443	220	38	30	112	22	Traces	128	105	160	41	64	0.30	284	0.03
95	Birbhum	Md.Bazar	Lohabazar II	WBBB181	Dug Well	8.13	504	175	28	25	77	2	Traces	61	50	117	42	80	0.20	322	0.04
96	Birbhum	Md.Bazar	Md.Bazar I	WBBB176	Dug Well	8.21	721	330	42	55	148	44	Traces	305	250	167	34	113	0.29	461	0.39
97	Birbhum	Md.Bazar	Seorakuri II	WBBB171	Dug Well	8.19	621	190	32	27	96	16	Traces	189	155	67	40	99	0.30	397	0.21
98	Birbhum	Murarai	Abdullahpur	WBBB90	Dug Well	7.73	1291	345	52	52	116	27	Traces	165	135	280	13	40	0.28	826	0.65
99	Birbhum	Murarai I	Rajgram	WBBB198	Dug Well	8.14	752	300	44	46	42	3	Traces	299	245	71	30	36	0.16	481	0.46
100	Birbhum	Nanoor	Kakunia	WBBB147	Tube Well	8.09	408	145	44	8	45	9	Traces	177	145	60	6	13	0.31	261	10.26
101	Birbhum	Rajnagar	Nakas	WBBB193	Dug Well	8.06	932	295	36	50	66	21	Traces	366	300	103	42	20	0.15	596	0.62
102	Birbhum	Rajnagar	Patharchapri	WBBB168	Dug Well	8.09	1137	385	32	74	110	43	Traces	311	255	167	37	102	0.27	728	0.14
103	Birbhum	Rajnagar	Rajnagar	WBBB13A	Dug Well	7.02	793	225	40	30	71	4	Traces	159	130	138	41	30	0.63	507	0.17
104	Birbhum	Rampurhat	Piarsala	WBBB192	Dug Well	8.11	150	95	26	7	17	0	Traces	61	50	28	11	13	0.12	96	0.32

SN	District	Block	Location	Well ID	Source	pH	EC	TH (as CaCO3)	Ca+2 (as Ca)	Mg+2 (as Mg)	Na	K	CO3	HCO3	Total Alk as CaCO3	Cl	NO3	SO4	F	TDS	Fe
							$\mu\text{S cm}^{-1}$	mg/L													
105	Birbhum	Rampurhat I	Barjal	WBBB204	Dug Well	8.05	2466	690	118	96	191	22	Traces	348	285	613	41	48	0.19	1578	0.21
106	Birbhum	Rampurhat I	Barjal Belpahari	WBBB678	Dug Well	7.57	1757	295	92	16	150	10	Traces	378	310	252	42	63	0.21	1124	0.01
107	Birbhum	Rampurhat I	Bartala	WBBB75	Dug Well	7.78	995	240	36	36	68	2	Traces	165	135	156	42	35	0.27	637	0.03
108	Birbhum	Rampurhat I	Kurukdighi	WBBB81	Dug Well	7.28	699	225	30	36	66	3	Traces	122	100	124	41	17	0.24	448	0.32
109	Birbhum	Rampurhat I	Narayanpur	WBBB10A	Dug Well	7.10	549	250	48	32	19	4	Traces	171	140	113	7	Traces	0.63	352	0.37
110	Birbhum	Sainthia	Paikpara	WBBB152	Tube Well	8.03	505	215	34	32	21	6	Traces	281	230	43	5	Traces	0.23	323	0.22
111	Birbhum	Suri I	Bhurkona	WBBB60	Dug Well	7.59	3454	575	122	66	257	4	Traces	519	425	620	43	11	0.23	2211	0.30
112	Birbhum	Suri I	Garuijora	WBBB56	Dug Well	8.17	531	135	36	11	43	2	Traces	49	40	103	42	10	0.19	340	0.30
113	Birbhum	Suri I	Kariddha	WBBB164	Dug Well	8.13	288	140	30	16	56	8	Traces	128	105	85	4	17	0.40	184	0.73
114	Birbhum	Suri I	Suri	WBBB163	Dug Well	8.22	546	230	24	41	21	7	Traces	232	190	53	15	35	0.43	350	0.07
115	Birbhum	Suri II	Bonsanka	WBBB142	Dug Well	8.10	1120	400	60	61	44	3	Traces	415	340	138	34	26	1.00	717	0.74
116	Birbhum	Suri II	Ekdala	WBBB160	Dug Well	8.08	520	245	40	35	15	6	Traces	220	180	43	10	56	0.50	333	0.25
117	Birbhum	Suri II	Hatjanbazar	WBBB162	Dug Well	7.93	782	200	40	24	24	1	Traces	92	75	99	43	28	0.23	501	0.11
118	Dakshin Dinajpur	Balurghat	Balurghat	WBWD53	Dug Well	7.39	204	65	17	5	16	1	Traces	116	95	7	Traces	Traces	0.73	118	Traces
119	Dakshin Dinajpur	Bansihari	Joredighi	WBWD104	Tube Well	8.05	262	103	22	11	13	3	Traces	148	122	13	2	Traces	0.47	155	0.01
120	Dakshin Dinajpur	Bansihari	Patharghata	WBWD79	Dug Well	7.36	331	110	24	12	15	24	Traces	106	87	57	1	11	0.62	208	Traces
121	Dakshin Dinajpur	Gangarampur	Madnaha	WBWD58A	Dug Well	7.96	753	244	81	10	59	1	Traces	80	66	216	2	9	0.49	427	0.04
122	Dakshin Dinajpur	Gangarampur	Nayabazar	WBWD55	Tube Well	7.57	377	117	9	23	35	5	Traces	68	56	89	9	13	0.19	226	Traces
123	Dakshin Dinajpur	Gangarampur	Shibbari	WBWD84	Dug Well	7.47	598	187	10	39	54	11	Traces	253	207	54	21	7	0.47	351	1.18
124	Dakshin Dinajpur	Gangarampur	Thangapara	WBWD80	Dug Well	7.72	948	313	26	60	93	2	Traces	539	442	33	8	Traces	1.12	551	0.04
125	Dakshin Dinajpur	Harirampur	Kismat Kasba	WBWD77	Dug Well	8.07	578	220	12	46	43	1	Traces	276	226	13	Traces	64	1.14	350	Traces
126	Dakshin Dinajpur	Hilli	Hilli	WBWD35A	Tube Well	7.82	220	84	17	10	14	3	Traces	93	77	20	19	Traces	0.13	140	1.23
127	Dakshin Dinajpur	Hilli	Hilli	WBWD94	Dug Well	7.69	937	341	17	73	61	14	Traces	131	108	68	51	230	0.36	594	Traces
128	Dakshin Dinajpur	Hilli	Hilli	WBWD95	Dug Well	7.84	227	87	21	8	8	8	Traces	80	66	37	Traces	1	0.25	132	0.77
129	Dakshin Dinajpur	Hilli	Teore	WBWD56	Tube Well	7.45	234	82	18	9	18	1	Traces	117	95	19	5	Traces	0.40	142	3.88
130	Dakshin Dinajpur	Kumarganj	Samjia	WBWD59A	Dug Well	8.05	538	252	32	42	10	5	Traces	201	165	71	1	19	1.39	303	2.97
131	Dakshin Dinajpur	Kumarganj	Sunderpur	WBWD88	Tube Well	7.88	197	44	6	7	23	8	Traces	58	48	29	15	2	0.07	126	Traces

SN	District	Block	Location	Well ID	Source	pH	EC	TH (as CaCO3)	Ca+2 (as Ca)	Mg+2 (as Mg)	Na	K	CO3	HCO3	Total Alk as CaCO3	Cl	NO3	SO4	F	TDS	Fe
							$\mu\text{S cm}^{-1}$	mg/L													
132	Dakshin Dinajpur	Kushmandi	Kushmandi	WBWD52	Tube Well	7.82	374	122	28	12	36	3	Traces	198	163	22	6	Traces	0.81	230	7.21
133	Dakshin Dinajpur	Tapan	Balapur II	WBWD74	Tube Well	7.87	166	73	8	13	5	1	Traces	96	79	6	Traces	Traces	0.41	93	2.30
134	Dakshin Dinajpur	Tapan	Bharilla	WBWD75	Dug Well	8.03	284	68	5	14	31	11	Traces	103	85	39	5	3	0.18	170	0.06
135	Dakshin Dinajpur	Tapan	Dakshin Harsura	WBWD82	Dug Well	7.74	286	116	23	14	13	5	Traces	130	106	27	2	Traces	0.50	163	9.18
136	Dakshin Dinajpur	Tapan	Dakshin Harsura	WBWD81	Dug Well	7.39	281	104	21	13	20	4	Traces	152	124	15	4	Traces	0.79	169	0.49
137	Dakshin Dinajpur	Tapan	Jittirhat (Near Lalkarhat )	WBWD33	Dug Well	8.02	1188	275	15	58	106	51	Traces	216	177	198	40	62	0.48	662	Traces
138	Dakshin Dinajpur	Tapan	Rampur	WBWD76	Dug Well	7.69	252	97	10	17	13	3	Traces	95	78	14	2	24	0.27	141	1.16
139	Darjeeling	Kharibari	Batasi	WBDL09A	Dug Well	8.16	102	30	8	2	10	2	Traces	31	25	18	Traces	Traces	0.24	59	7.76
140	Darjeeling	Kharibari	Chakkarmari	WBDL22	Dug Well	8.29	316	120	34	9	13	12	Traces	110	90	43	27	Traces	0.08	205	0.15
141	Darjeeling	Kharibari	Demra Vita	WBDL26	Dug Well	8.08	457	140	32	15	34	20	Traces	104	85	64	28	32	0.46	288	Traces
142	Darjeeling	Kharibari	Dulaljote	WBDL38	Dug Well	7.80	287	105	26	10	12	8	Traces	79	65	39	18	Traces	0.34	162	0.19
143	Darjeeling	Kharibari	Gurudayaljote	WBDL39	Dug Well	8.08	325	95	20	11	25	21	Traces	79	65	50	27	19	0.17	221	Traces
144	Darjeeling	Kharibari	Kandamani	WBDL27	Dug Well	8.10	294	90	28	5	10	29	Traces	73	60	39	29	13	0.04	197	Traces
145	Darjeeling	Kharibari	Kharibari	WBDL07	Dug Well	7.85	518	180	54	11	31	21	Traces	122	100	25	83	56	0.22	355	0.15
146	Darjeeling	Kharibari	Kochaijote	WBDL31	Dug Well	7.95	218	60	12	7	11	15	Traces	43	35	39	9	Traces	0.68	120	Traces
147	Darjeeling	Kharibari	Siliguri	WBDL02A	Dug Well	8.26	527	145	28	18	44	17	Traces	214	175	11	19	61	0.17	328	0.02
148	Darjeeling	Kharibari	Sonachandi	WBDL28	Dug Well	7.83	128	45	6	7	7	4	Traces	37	30	14	7	8	0.37	76	Traces
149	Darjeeling	Kurseong	Sevoke	WBDL05	Dug Well	8.01	410	150	52	5	15	23	Traces	134	110	18	70	15	0.21	280	0.02
150	Darjeeling	Kurseong	Sukna	WBDL01A	Dug Well	8.24	281	130	34	11	5	2	Traces	134	110	18	14	Traces	0.26	166	Traces
151	Darjeeling	Matigara	Matigara	WBDL15	Dug Well	8.30	336	115	40	4	17	14	Traces	73	60	35	68	Traces	0.07	223	Traces
152	Darjeeling	Matigara	Methibari	WBDL44A	Dug Well	7.91	251	95	34	2	12	7	Traces	116	95	11	14	Traces	0.24	152	0.25
153	Darjeeling	Matigara	Tumbajote	WBDL16A	Dug Well	8.22	366	105	32	6	29	11	Traces	146	120	25	24	Traces	0.29	219	Traces
154	Darjeeling	Naxalbari	Bagdogra	WBDL11	Dug Well	8.18	414	110	38	4	35	12	Traces	122	100	28	59	Traces	0.17	250	6.83
155	Darjeeling	Naxalbari	Jabra More	WBDL36	Dug Well	7.84	152	60	14	6	7	3	Traces	49	40	18	15	Traces	0.16	92	0.19
156	Darjeeling	Naxalbari	Kamalpur	WBDL20	Dug Well	7.84	325	100	20	12	10	28	Traces	73	60	35	59	Traces	0.05	209	Traces
157	Darjeeling	Naxalbari	Lalpur	WBDL37	Dug Well	8.30	202	70	20	5	8	7	Traces	116	95	4	Traces	Traces	0.15	115	0.31

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							$\mu\text{S cm}^{-1}$	mg/L													
158	Darjeeling	Naxalbari	Panighata	WBDL35	Dug Well	7.95	96	35	10	2	4	3	Traces	37	30	7	6	Traces	0.58	56	Traces
159	Darjeeling	Naxalbari	Prasadijyote	WBDL48	Dug Well	8.16	302	60	14	6	34	15	Traces	79	65	14	37	36	0.31	205	Traces
160	Darjeeling	Naxalbari	Prasadijyote	WBDL25A	Dug Well	8.27	539	150	38	13	31	43	Traces	159	130	14	58	58	0.24	352	0.01
161	Darjeeling	Naxalbari	Trihana	WBDL08	Dug Well	8.22	297	90	18	11	19	12	Traces	55	45	21	78	Traces	0.31	192	Traces
162	Darjeeling	Phansidewa	Ambari More	WBDL12B	Dug Well	8.68	995	260	76	17	69	71	15	256	235	32	108	147	0.38	686	0.36
163	Darjeeling	Phansidewa	Baneswar	WBDL42	Dug Well	8.22	1039	205	48	21	139	49	Traces	464	380	96	58	Traces	0.52	694	0.08
164	Darjeeling	Phansidewa	Gangaram Tea Gdn	WBDL40	Dug Well	8.29	528	135	46	5	49	21	Traces	153	125	39	27	52	0.28	332	Traces
165	Darjeeling	Phansidewa	Gayaganga Kanti	WBDL18	Dug Well	8.08	526	115	28	11	58	35	Traces	122	100	110	26	7	0.78	351	0.59
166	Darjeeling	Phansidewa	Ghoshpukur	WBDL24A	Dug Well	8.24	232	60	20	2	18	7	Traces	49	40	11	63	Traces	0.60	151	0.23
167	Darjeeling	Phansidewa	Kalaram Ghoshpara	WBDL43A	Dug Well	8.18	491	175	58	7	17	24	Traces	226	185	28	13	Traces	0.14	285	1.29
168	Darjeeling	Phansidewa	Leusi Pakuri	WBDL30	Dug Well	7.80	125	50	10	6	4	4	Traces	31	25	21	8	Traces	0.41	72	0.21
169	Darjeeling	Phansidewa	Madati	WBDL41	Dug Well	8.19	285	115	12	21	10	10	Traces	104	85	39	5	Traces	0.11	160	Traces
170	Darjeeling	Phansidewa	Muruluganj	WBDL06A	Dug Well	7.26	276	90	22	9	22	9	Traces	49	40	28	55	Traces	0.38	175	0.56
171	Darjeeling	Phansidewa	Phansidewa	WBDL13A	Dug Well	7.99	147	50	16	2	11	6	Traces	43	35	25	6	Traces	0.46	92	0.23
172	Darjeeling	Phansidewa	Rangapani	WBDL34	Dug Well	7.74	138	50	16	2	6	6	Traces	49	40	14	4	7	0.42	85	0.23
173	Darjeeling	Phansidewa	Tuta Pakri (Bakuline)	WBDL29	Dug Well	7.80	251	70	16	7	24	4	Traces	43	35	43	39	8	0.08	167	0.15
174	Darjeeling	Siliguri	Siliguri	WBDL04	Dug Well	8.22	168	60	20	2	14	1	Traces	67	55	25	2	Traces	0.18	105	3.49
175	Darjeeling	Siliguri	Siliguri	WBDL14	Dug Well	8.30	688	225	70	12	52	31	Traces	189	155	21	88	73	0.17	463	Traces
176	Howrah	Amta	Amta	WBHA03B	Dug Well	7.60	1976	395	50	66	313	23	Traces	287	235	723	2	Traces	0.40	1265	0.20
177	Howrah	Amta II	Bhategori	WBHA31	Dug Well	7.62	2405	680	86	113	225	2	Traces	238	195	638	1	167	0.20	1539	2.17
178	Howrah	Amta II	Joypur	WBHA22	Tube Well	7.95	847	185	30	27	94	8	Traces	384	315	110	1	10	0.41	542	4.29
179	Howrah	Amta II	Sehagori	WBHA21A	Dug Well	7.80	1249	350	34	64	142	9	Traces	323	265	248	5	64	0.50	799	0.57
180	Howrah	Bagnan	Mugkalayan	WBHA41	Dug Well	8.09	943	230	30	38	167	5	Traces	415	340	266	1	5	0.44	603	0.18
181	Howrah	Bauria	Burikhali	WBHA39	Dug Well	7.78	2543	525	54	95	326	14	Traces	384	315	723	8	32	0.44	1628	1.61
182	Howrah	Domjur	Domjur	WBHA16A	Subm TW	7.43	564	160	32	19	67	3	Traces	366	300	35	Traces	Traces	0.42	361	0.03
183	Howrah	Domjur	Ramrajatala	WBHA36	Dug Well	7.64	2759	790	66	152	284	8	Traces	421	345	723	8	103	0.46	1766	0.24

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							$\mu\text{S cm}^{-1}$	mg/L													
184	Howrah	Domjur	Ramrajatala	WBHA38	Dug Well	7.72	1302	410	66	59	141	18	Traces	244	200	443	22	17	0.46	833	0.12
185	Howrah	Howrah	Howrah Town	WBHA05A	Dug Well	7.90	614	395	60	59	39	1	Traces	311	255	64	14	56	0.58	393	0.46
186	Howrah	Jagacha	Jagacha	WBHA37	Dug Well	7.84	1448	510	108	58	144	22	Traces	445	365	301	12	58	0.64	927	0.03
187	Howrah	Jagatballavpur	Dakshin Maju	WBHA08B	TW Mark II	7.95	647	245	32	40	90	4	Traces	427	350	32	2	6	0.49	414	1.97
188	Howrah	Jagatballavpur	Goalpota	WBHA30	Dug Well	7.73	1043	280	24	53	140	14	Traces	537	440	89	29	27	0.45	668	4.13
189	Howrah	Jagatballavpur	Jagatballavpur	WBHA02	Dug Well	7.72	1466	440	60	70	157	99	Traces	671	550	160	33	49	1.10	938	0.10
190	Howrah	Jagatvallavpur	Basic Training Centre	WBHA01A	TW Mark II	8.01	570	230	26	40	65	3	Traces	409	335	28	1	2	0.50	365	1.30
191	Howrah	Panchla	Panchla	WBHA29	Dug Well	7.88	1427	485	80	69	139	39	Traces	488	400	223	4	57	0.53	913	0.02
192	Howrah	Sankrail	Bauria	WBHA07	Dug Well	7.94	1331	425	66	63	141	26	Traces	561	460	213	16	34	0.63	852	0.05
193	Howrah	Shyampur I	Gobindapur	WBHA44	Dug Well	7.52	1742	460	74	67	213	17	Traces	458	375	337	20	73	0.36	1115	0.09
194	Howrah	Shyampur I	Shibpur	WBHA45	Dug Well	7.73	1782	395	54	63	217	16	Traces	390	320	301	21	99	0.49	1140	0.46
195	Howrah	Shyampur I	Shyampur	WBHA35	Dug Well	8.00	1930	420	46	74	197	18	Traces	567	465	170	7	96	0.68	1235	0.85
196	Howrah	Uluberia I	Baganda	WBHA14	Dug Well	7.78	4278	495	46	92	445	15	Traces	683	560	709	3	107	0.48	2738	0.04
197	Howrah	Uluberia I	Kalinagar	WBHA40A	Dug Well	7.80	2250	575	74	95	218	26	Traces	567	465	213	9	165	0.40	1440	2.31
198	Howrah	Uluberia I	Uluberia-Agriculture	WBHA28A	Subm TW	7.74	3451	915	92	166	350	4	Traces	366	300	945	1	25	0.25	2209	2.57
199	Howrah	Uluberia I	Uluberia	WBHA06A	Dug Well	7.98	1613	520	60	90	216	21	Traces	573	470	206	6	97	0.75	1032	0.18
200	Hugli	Balagarh	Bakipur Hattala	WBHG126	Dug Well	7.90	836	330	44	53	77	33	Traces	342	280	60	16	87	0.46	535	0.21
201	Hugli	Balagarh	Bakulia	WBHG124	Tube Well	8.04	348	230	28	39	27	2	Traces	171	140	89	1	3	0.34	223	0.74
202	Hugli	Balagarh	Balagarh	WBHG02	Dug Well	7.28	4052	1125	184	161	407	22	Traces	336	275	1028	43	166	0.23	2593	0.08
203	Hugli	Balagarh	Balagarh	WBHG116	CyInd.TW	8.19	359	165	28	23	89	2	Traces	317	260	35	2	1	0.36	229	0.82
204	Hugli	Balagarh	Balagarh	WBHG123	TW Mark II	8.01	540	200	38	25	59	2	Traces	250	205	53	2	2	0.53	345	0.07
205	Hugli	Balagarh	Bankipur	WBHG115A	Tube Well	8.15	436	260	28	46	83	3	Traces	598	490	18	1	2	0.31	279	1.48
206	Hugli	Balagarh	Dhobapara	WBHG99	CyInd.TW	8.04	441	230	36	34	26	2	Traces	305	250	18	1	1	0.48	282	0.43
207	Hugli	Balagarh	Guptipara	WBHG98	TW Mark II	7.93	465	270	28	49	18	3	Traces	305	250	25	1	2	0.22	298	1.24
208	Hugli	Balagarh	Inchura	WBHG71	Tube Well	8.12	354	200	26	33	25	2	Traces	275	225	18	1	2	0.43	226	0.54
209	Hugli	Balagarh	Mashra (Ghoshpara)	WBHG127	Dug Well	7.97	711	350	36	63	44	32	Traces	177	145	262	6	18	0.50	455	0.22

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							$\mu\text{S cm}^{-1}$	mg/L													
210	Hugli	Balagarh	Rukeshpur	WBHG133	Dug Well	7.89	1155	380	36	70	133	3	Traces	378	310	124	2	83	0.37	739	0.06
211	Hugli	Chinsura Mogra	Bandel	WBHG120	Dug Well	8.04	522	240	38	35	66	6	Traces	421	345	25	1	14	0.41	334	0.25
212	Hugli	Goghat I	Kumarganj	WBHG75	Tube Well	8.14	301	185	30	27	19	1	Traces	226	185	18	1	2	0.32	193	0.18
213	Hugli	Jangipara	Jangipara	WBHG55	Tube Well	8.09	565	245	24	45	35	2	Traces	116	95	60	3	99	0.59	362	0.08
214	Hugli	Khanakul I	Chackbedua	WBHG67A	TW Mark II	8.09	516	230	30	38	70	1	Traces	244	200	35	Traces	82	0.51	330	6.85
215	Hugli	Khanakul I	Ghoshpur	WBHG77	TW Mark II	8.03	449	300	32	53	30	2	Traces	305	250	25	6	39	0.26	287	3.21
216	Hugli	Magra	Jhapa	WBHG129	Dug Well	8.09	410	220	34	33	34	2	Traces	293	240	25	4	3	0.36	262	0.78
217	Hugli	Magra	Naksa More	WBHG114	CyInd.TW	8.09	442	235	40	33	28	2	Traces	323	265	18	2	2	0.32	283	0.34
218	Hugli	Pandua	Champta	WBHG107	Dug Well	7.69	2775	470	60	78	422	60	Traces	659	540	425	45	118	0.48	1776	0.06
219	Hugli	Pandua	Dash Dar-Un	WBHG108	CyInd.TW	8.17	349	165	36	18	22	2	Traces	214	175	32	11	11	0.34	223	6.23
220	Hugli	Pandua	Deypara	WBHG125	Dug Well	7.96	611	240	34	38	45	2	Traces	134	110	92	22	46	0.47	391	0.78
221	Hugli	Pandua	Dwarpara	WBHG100	CyInd.TW	8.11	353	225	30	36	28	2	Traces	262	215	18	1	1	0.30	226	0.30
222	Hugli	Pandua	Dwarpara	WBHG101	Dug Well	7.78	1004	380	40	68	94	6	Traces	348	285	160	10	13	0.25	643	1.07
223	Hugli	Pandua	Dwarpara	WBHG128	Dug Well	7.82	1470	565	44	110	103	34	Traces	622	510	124	33	68	0.37	941	0.23
224	Hugli	Pandua	Itachuna	WBHG43A	Subm TW	8.19	402	225	40	30	87	1	Traces	525	430	18	2	6	0.40	257	1.37
225	Hugli	Pandua	Itachuna	WBHG111	CyInd.TW	8.09	420	230	38	33	26	2	Traces	336	275	21	2	27	0.39	269	0.86
226	Hugli	Pandua	Kanur	WBHG103	CyInd.TW	7.39	554	190	40	22	24	2	Traces	262	215	28	2	1	0.25	354	2.44
227	Hugli	Pandua	Pandua	WBHG14	Dug Well	7.73	2311	655	140	74	264	25	Traces	689	565	355	14	188	0.39	1479	0.07
228	Hugli	Polba-Dadpur	Barbiga	WBHG113	Dug Well	7.90	972	345	58	49	81	45	Traces	506	415	71	24	30	0.64	622	6.82
229	Hugli	Polba-Dadpur	Polba	WBHG21B	Dug Well	8.03	772	270	40	41	55	73	Traces	323	265	85	7	20	0.58	494	0.04
230	Hugli	Pursura	Digrughat	WBHG19	Tube Well	8.16	413	220	40	29	33	3	Traces	299	245	35	6	16	0.30	264	1.16
231	Hugli	Srirampur-Uttarpara	Jirat	WBHG92A	Dug Well	7.75	1178	415	32	81	108	7	Traces	390	320	174	3	28	0.37	754	0.05
232	Hugli	Srirampur-Uttarpara	Uttamara (Kotrang)	WBHG78	Dug Well	8.03	480	185	32	25	38	6	Traces	159	130	85	11	13	0.20	307	0.30
233	Jalpaiguri	Alipurduar I	Birpara	WBJL57A	Dug Well	8.14	219	90	24	7	9	1	Traces	116	95	7	Traces	Traces	1.02	121	0.19
234	Jalpaiguri	Alipurduar I	Gharagharia	WBJL38	Dug Well	8.20	195	70	22	4	14	3	Traces	92	75	11	7	6	0.53	124	0.08
235	Jalpaiguri	Alipurduar II	Salsalabari	WBJL39	Dug Well	7.08	196	90	24	7	4	4	Traces	110	90	4	2	1	0.76	113	2.82
236	Jalpaiguri	Dhupguri	Gayerkata	WBJL15	Dug Well	8.21	223	100	20	12	3	2	Traces	61	50	7	4	43	0.17	128	0.04

SN	District	Block	Location	Well ID	Source	pH	EC	TH (as CaCO3)	Ca+2 (as Ca)	Mg+2 (as Mg)	Na	K	CO3	HCO3	Total Alk as CaCO3	Cl	NO3	SO4	F	TDS	Fe
							$\mu\text{S cm}^{-1}$	mg/L													
237	Jalpaiguri	Dhupguri	Gilandi Club Para	WBJL79	Dug Well	8.22	482	230	30	38	6	7	Traces	275	225	14	Traces	4	1.48	268	1.38
238	Jalpaiguri	Dhupguri	Karbola	WBJL28A	Dug Well	7.74	48	20	2	4	2	1	Traces	12	10	7	Traces	2	1.08	27	2.29
239	Jalpaiguri	Dhupguri	Khaligram	WBJL64	Dug Well	8.23	221	80	24	5	11	8	Traces	73	60	14	25	2	0.86	135	0.65
240	Jalpaiguri	Dhupguri	Millpara	WBJL51A	Dug Well	8.18	282	100	28	7	18	5	Traces	146	120	14	6	3	0.84	172	0.10
241	Jalpaiguri	Dhupguri	New Salbarihat	WBJL16	Dug Well	7.98	1081	180	56	10	114	97	Traces	238	195	106	120	67	0.35	715	Traces
242	Jalpaiguri	Falakata	Bengkandi	WBJL56	Dug Well	7.61	101	40	10	4	4	4	Traces	37	30	11	8	Traces	1.18	63	0.91
243	Jalpaiguri	Falakata	Falakata	WBJL04	Dug Well	7.41	216	85	18	10	5	6	Traces	61	50	25	21	Traces	0.47	122	Traces
244	Jalpaiguri	Falakata	Jateswar	WBJL29B	Dug Well	7.89	125	60	10	9	1	2	Traces	49	40	7	1	11	0.98	72	0.64
245	Jalpaiguri	Jalpaiguri	Berubari	WBJL31	Dug Well	8.01	284	60	14	6	32	3	Traces	128	105	7	1	17	0.11	158	Traces
246	Jalpaiguri	Jalpaiguri	Dus Doroga	WBJL54	Dug Well	8.02	321	90	26	6	24	9	Traces	98	80	39	14	2	1.21	180	Traces
247	Jalpaiguri	Jalpaiguri	Ghugudanga	WBJL32	Dug Well	8.54	814	190	62	9	85	56	21	238	230	67	25	78	1.32	540	0.73
248	Jalpaiguri	Jalpaiguri	Jalpaiguri	WBJL09	Dug Well	7.68	178	55	16	4	14	8	Traces	79	65	18	2	1	0.95	111	0.77
249	Jalpaiguri	Jalpaiguri	Jhabari More	WBJL69	Dug Well	7.49	145	55	14	5	5	3	Traces	31	25	14	19	6	0.72	86	0.70
250	Jalpaiguri	Jalpaiguri	Panda Para Kalibari	WBJL43	Dug Well	7.50	141	50	14	4	8	5	Traces	49	40	11	10	4	0.93	85	Traces
251	Jalpaiguri	Jalpaiguri	Purba Kumar Para	WBJL33	Dug Well	8.16	292	70	24	2	28	18	Traces	134	110	21	18	2	0.95	196	Traces
252	Jalpaiguri	Jalpaiguri	Rajganj	WBJL85	Dug Well	8.15	137	55	14	5	6	1	Traces	37	30	14	2	16	0.62	81	Traces
253	Jalpaiguri	Jalpaiguri	Raninagar	WBJL22	Dug Well	7.75	451	80	16	10	71	5	Traces	98	80	53	38	42	1.06	295	0.04
254	Jalpaiguri	Kalchini	Dabri	WBJL49	Dug Well	7.94	280	135	30	15	3	3	Traces	128	105	11	4	23	1.05	168	1.04
255	Jalpaiguri	Kalchini	Hasimara	WBJL02B	Dug Well	7.96	170	60	14	6	9	6	Traces	61	50	14	14	3	1.28	105	0.71
256	Jalpaiguri	Kalchini	Millpara Pampu Basti	WBJL58	Dug Well	7.71	465	180	58	9	17	25	Traces	214	175	21	27	Traces	0.46	288	0.11
257	Jalpaiguri	Kumargram	Barovisa More	WBJL25	Dug Well	8.19	115	45	10	5	5	3	Traces	12	55	18	1	19	1.16	69	0.03
258	Jalpaiguri	Kumargram	Ghoksapara	WBJL88	Dug Well	8.21	532	260	26	47	11	5	Traces	299	245	14	Traces	10	0.74	297	0.20
259	Jalpaiguri	Kumargram	Ghoramara	WBJL87	Dug Well	8.24	216	90	20	10	10	2	Traces	110	90	7	Traces	11	0.26	127	0.03
260	Jalpaiguri	Kumargram	Hemaguri	WBJL48	Dug Well	7.86	140	40	10	4	10	6	Traces	49	40	18	1	Traces	0.96	79	0.74
261	Jalpaiguri	Kumargram	Kamakshaguri (Santinagar)	WBJL47	Dug Well	8.12	359	75	8	13	10	66	Traces	140	115	32	20	4	0.37	239	1.06
262	Jalpaiguri	Kumargram	Kumargram	WBJL01	Dug Well	8.11	124	75	12	11	6	1	Traces	55	45	11	1	Traces	0.81	76	0.28

SN	District	Block	Location	Well ID	Source	pH	EC	TH (as CaCO3)	Ca+2 (as Ca)	Mg+2 (as Mg)	Na	K	CO3	HCO3	Total Alk as CaCO3	Cl	NO3	SO4	F	TDS	Fe
							$\mu\text{S cm}^{-1}$	mg/L													
263	Jalpaiguri	Kumargram	Madhya Kamakshaguri	WBJL73	Dug Well	8.23	224	70	18	6	17	10	Traces	92	75	25	3	10	0.34	144	0.23
264	Jalpaiguri	Kumargram	Radhanagar	WBJL89	Dug Well	8.26	272	110	36	5	11	6	Traces	128	105	11	19	7	0.42	172	0.06
265	Jalpaiguri	Kumargram	Telipara	WBJL74	Dug Well	8.14	95	40	12	2	3	3	Traces	49	40	4	1	Traces	0.90	55	0.74
266	Jalpaiguri	Madarihat	Madhya Ragali Bajma	WBJL93	Dug Well	7.92	315	115	30	10	9	28	Traces	122	100	25	9	Traces	1.43	187	1.71
267	Jalpaiguri	Madarihat	Rakhal Devi	WBJL42	Dug Well	7.87	93	30	4	5	7	3	Traces	31	25	14	1	Traces	0.61	53	Traces
268	Jalpaiguri	Mal	Baradighi	WBJL36A	Dug Well	8.21	87	40	4	7	3	1	Traces	37	30	7	1	4	0.51	51	Traces
269	Jalpaiguri	Mal	Damdin	WBJL82	Dug Well	7.98	263	85	26	5	11	19	Traces	116	95	14	21	1	1.19	169	0.73
270	Jalpaiguri	Mal	Odlabori	WBJL11	Dug Well	7.95	100	40	12	2	2	3	Traces	49	40	4	4	1	0.16	58	Traces
271	Jalpaiguri	Mal	Purba Tesimala	WBJL52	Dug Well	7.71	128	40	12	2	8	5	Traces	43	35	11	16	Traces	0.85	82	0.01
272	Jalpaiguri	Mal	Rangmati Over Bridge	WBJL94	Dug Well	7.89	237	105	32	6	7	4	Traces	85	70	11	11	24	0.18	147	0.01
273	Jalpaiguri	Matiali	Latoguri	WBJL17	Dug Well	9.21	301	105	24	11	17	18	24	49	80	25	32	13	0.64	184	Traces
274	Jalpaiguri	Matiali	Mahabari	WBJL81	Dug Well	7.47	122	45	6	7	4	4	Traces	31	25	7	15	9	0.86	71	0.13
275	Jalpaiguri	Moynaguri	Bolbari	WBJL71	Dug Well	7.84	199	75	14	10	10	5	Traces	49	40	25	11	13	0.59	118	Traces
276	Jalpaiguri	Moynaguri	Bolbari (Lakhir Hat)	WBJL44A	Dug Well	8.19	76	25	6	2	7	2	Traces	18	15	14	5	Traces	0.87	48	Traces
277	Jalpaiguri	Moynaguri	Chak Maulani	WBJL91A	Dug Well	8.26	426	110	26	11	43	21	Traces	85	70	64	37	27	0.72	281	0.18
278	Jalpaiguri	Moynaguri	Daribiza	WBJL92	Dug Well	8.05	361	120	28	12	28	1	Traces	98	80	25	24	38	0.28	216	0.03
279	Jalpaiguri	Moynaguri	Madhab Danga	WBJL70	Dug Well	8.25	187	65	18	5	6	16	Traces	92	75	7	4	12	0.53	124	Traces
280	Jalpaiguri	Nagrakata	Khairbari	WBJL34	Dug Well	7.73	90	35	10	2	3	2	Traces	31	25	7	8	Traces	0.29	52	0.01
281	Jalpaiguri	Nagrakata	Nagrakata	WBJL05A	Dug Well	7.70	112	40	10	4	6	3	Traces	43	35	11	2	Traces	1.06	62	0.06
282	Jalpaiguri	Nagrakata	Sulkapara	WBJL84	Dug Well	8.12	118	45	12	4	6	3	Traces	43	35	7	10	8	0.46	77	Traces
283	Jalpaiguri	Rajganj	Angad Garh	WBJL66	Dug Well	7.30	110	40	8	5	8	1	Traces	24	20	14	17	Traces	0.61	68	0.73
284	Jalpaiguri	Rajganj	Fatapukur	WBJL53	Dug Well	8.01	393	160	52	7	14	10	Traces	159	130	28	41	Traces	0.91	250	0.10
285	Jalpaiguri	Rajganj	Indra More (Belakoba)	WBJL21	Dug Well	8.28	1011	285	86	17	112	20	Traces	153	125	163	135	Traces	0.18	625	0.01
286	Jalpaiguri	Rajganj	Kaluar Bari	WBJL67	Dug Well	8.09	164	55	14	5	12	6	Traces	43	35	28	15	Traces	1.14	108	Traces
287	Jalpaiguri	Rajganj	Phulbari Hat	WBJL41	Dug Well	7.96	528	145	34	15	45	26	Traces	73	60	60	73	56	0.32	353	Traces
288	Jalpaiguri	Rajganj	Rajganj	WBJL18	Dug Well	7.83	236	60	20	2	22	3	Traces	49	40	25	38	7	0.62	148	0.31



SN	District	Block	Location	Well ID	Source	pH	EC	TH (as CaCO3)	Ca+2 (as Ca)	Mg+2 (as Mg)	Na	K	CO3	HCO3	Total Alk as CaCO3	Cl	NO3	SO4	F	TDS	Fe
							$\mu\text{S cm}^{-1}$	mg/L													
289	Jalpaiguri	Rajganj	Sulugara	WBJL10C	Dug Well	7.84	543	185	62	7	33	16	Traces	183	150	39	86	Traces	0.92	341	0.68
290	Kochbihar	Dinhata I	Gosanimari	WBKB21	Dug Well	8.19	250	120	40	5	3	7	Traces	146	120	4	3	5	0.05	156	Traces
291	Kochbihar	Dinhata II	Gitaldaha	WBKB08	Dug Well	7.99	380	135	26	17	26	4	Traces	122	100	61	Traces	6	0.29	215	4.10
292	Kochbihar	Dinhata II	Nazirhat	WBKB47A	Dug Well	8.25	481	180	52	12	32	10	Traces	159	130	28	73	30	0.20	334	0.90
293	Kochbihar	Dinhata II	Sahebganj (Trimohini)	WBKB46	Dug Well	8.26	942	215	64	13	100	34	Traces	287	235	120	3	51	0.09	560	5.76
294	Kochbihar	Haldibari	Dhaprahat	WBKB20	Dug Well	8.01	591	150	36	15	56	31	Traces	98	80	67	97	50	0.07	412	0.17
295	Kochbihar	Kochbehar I	Baneshwar	WBKB32A	Dug Well	8.04	245	110	22	13	9	2	Traces	122	100	2	1	7	0.18	131	Traces
296	Kochbihar	Kochbehar I	Coochbihar (Nilkutrihat)	WBKB01B	Dug Well	8.13	232	110	28	10	4	4	Traces	116	95	5	3	10	0.13	135	Traces
297	Kochbihar	Kochbehar I	Dewanhat	WBKB07	Dug Well	8.01	299	100	30	6	19	7	Traces	140	115	14	1	8	0.23	171	0.02
298	Kochbihar	Kochbehar I	Dudherkuti	WBKB12	Dug Well	8.20	474	150	52	5	30	13	Traces	189	155	24	Traces	46	0.16	286	Traces
299	Kochbihar	Kochbehar I	Kochbihar	WBKB31	Dug Well	8.23	464	160	52	7	20	17	Traces	214	175	14	8	26	0.22	276	0.13
300	Kochbihar	Kochbehar I	Nababganj	WBKB43	Dug Well	8.27	419	185	50	15	12	5	Traces	214	175	18	Traces	5	0.13	235	1.65
301	Kochbihar	Kochbehar II	Kholta Kalibari	WBKB28	Dug Well	8.20	542	145	44	9	52	22	Traces	134	110	60	71	30	0.21	370	Traces
302	Kochbihar	Mathabhanga I	Bhogramguri	WBKB40	Dug Well	8.05	368	160	48	10	6	8	Traces	134	110	39	4	15	0.23	211	0.16
303	Kochbihar	Mathabhanga I	Khasbas Darikamari	WBKB18	Dug Well	7.96	186	55	10	7	9	17	Traces	79	65	18	Traces	5	0.08	114	Traces
304	Kochbihar	Mathabhanga I	Majhirbari	WBKB11A	Dug Well	7.29	143	50	12	5	5	12	Traces	61	50	4	7	14	0.11	96	0.51
305	Kochbihar	Mathabhanga I	Mathabhanga	WBKB10	Dug Well	8.02	484	150	36	15	34	17	Traces	140	115	29	69	30	0.10	314	Traces
306	Kochbihar	Mathabhanga I	Ratanpur	WBKB39B	Dug Well	7.62	735	120	32	10	77	63	Traces	85	70	199	Traces	14	0.10	446	0.37
307	Kochbihar	Mekhliganj	Changra-Bandha	WBKB13A	Dug Well	7.41	98	30	8	2	6	3	Traces	31	25	7	8	4	0.05	57	Traces
308	Kochbihar	Mekhliganj	Merigipur	WBKB37A	Dug Well	7.83	144	65	10	10	5	2	Traces	67	55	14	Traces	2	0.11	83	Traces
309	Kochbihar	Sitai	Adabari Silduar	WBKB16A	Dug Well	7.80	141	55	8	9	7	2	Traces	67	55	11	Traces	Traces	0.23	77	0.80
310	Kochbihar	Sitai	Sitai	WBKB22	Dug Well	7.98	423	175	50	12	12	17	Traces	140	115	16	36	37	0.07	265	0.37
311	Kochbihar	Sitalkuchi	Bara Pinjarir Jhar	WBKB24A	Dug Well	7.84	255	55	14	5	25	12	Traces	43	35	39	38	7	0.17	167	8.08
312	Kochbihar	Sitalkuchi	Gosaier Hat	WBKB41	Dug Well	8.18	581	160	46	11	48	20	Traces	177	145	77	Traces	19	0.17	328	1.37
313	Kochbihar	Sitalkuchi	Sitalkuchi	WBKB04	Dug Well	8.08	195	75	16	9	10	2	Traces	85	70	21	Traces	2	0.18	112	Traces
314	Kochbihar	Tufanganj I	Chilakhana	WBKB17B	Dug Well	8.15	1101	205	66	10	86	144	Traces	360	295	93	69	65	0.39	751	0.12

SN	District	Block	Location	Well ID	Source	pH	EC	TH (as CaCO3)	Ca+2 (as Ca)	Mg+2 (as Mg)	Na	K	CO3	HCO3	Total Alk as CaCO3	Cl	NO3	SO4	F	TDS	Fe
							$\mu\text{S cm}^{-1}$	mg/L													
			(Palpara)																		
315	Kochbihar	Tufanganj I	Tufanganj	WBKB03D	Dug Well	7.78	200	65	10	10	17	4	Traces	98	80	12	2	1	0.15	115	8.99
316	Kochbihar	Tufanganj II	Bakshirhat	WBKB23	Dug Well	8.10	264	95	20	11	19	2	Traces	73	60	41	8	9	0.10	157	Traces
317	Kochbihar	Tufanganj II	Balarampur	WBKB14A	Dug Well	8.12	410	150	30	18	23	14	Traces	165	135	27	8	10	0.11	231	0.40
318	Kolkata	KMC	Baghbazar	WBCT13B	Tube Well	8.09	612	165	34	19	69	3	Traces	299	245	57	Traces	3	0.40	368	2.01
319	Kolkata	KMC	Ballygunge	WBCT27	Tube Well	7.74	1854	555	92	79	160	7	Traces	342	280	429	3	21	0.37	1001	3.32
320	Kolkata	KMC	Beliaghata	WBCT25	Tube Well	8.03	969	295	38	49	87	19	Traces	293	240	170	Traces	19	0.52	561	0.36
321	Kolkata	KMC	Bidhanagar	WBCT24	Tube Well	8.06	592	255	70	19	20	8	Traces	256	210	39	Traces	23	0.49	337	Traces
322	Kolkata	KMC	Dum Dum	WBCT09B	Tube Well	7.86	1368	295	40	47	188	10	Traces	476	390	252	2	1	0.48	831	2.80
323	Kolkata	KMC	Jhautala	WBCT17A	Tube Well	8.14	905	225	52	23	110	4	Traces	445	365	71	Traces	1	0.34	533	0.38
324	Kolkata	KMC	Keorapurkur	WBCT31A	Tube Well	8.10	1312	395	76	50	120	19	Traces	451	370	195	2	19	0.54	756	0.07
325	Kolkata	KMC	Kundghat	WBCT06	Tube Well	7.56	1336	265	44	38	174	18	Traces	470	385	188	Traces	2	0.36	750	2.64
326	Kolkata	KMC	Maniktala	WBCT35	Tube Well	7.98	1408	290	46	43	180	8	Traces	183	150	358	4	5	0.33	756	1.85
327	Kolkata	KMC	Nagerbazar	WBCT36	Tube Well	7.83	790	270	44	39	64	5	Traces	348	285	78	Traces	2	0.45	444	4.69
328	Kolkata	KMC	Rajabazar	WBCT12C	Tube Well	7.61	2537	665	126	85	249	9	Traces	323	265	663	1	15	0.65	1347	5.23
329	Kolkata	KMC	Sealdah	WBCT38	Tube Well	7.77	1744	480	72	73	150	6	Traces	384	315	386	2	4	0.61	928	1.39
330	Kolkata	KMC	Thakurpukur	WBCT30	Tube Well	8.21	925	185	38	22	139	4	Traces	427	350	110	1	1	0.28	576	0.40
331	Malda	Bamongola	Bamongola	WBMD07C	Dug Well	7.65	720	278	22	54	48	1	Traces	152	124	152	1	32	0.20	403	0.12
332	Malda	English Bazar	Bholanathpur	WBMD12	Dug Well	7.63	369	150	25	21	16	3	Traces	168	137	41	Traces	4	0.17	214	Traces
333	Malda	English Bazar	Bot Tolly	WBMD09B	Dug Well	7.41	414	153	14	29	24	4	Traces	151	124	28	2	51	0.08	244	0.65
334	Malda	Gajol	Deotala	WBMD06	Dug Well	7.92	520	169	48	12	28	19	Traces	249	204	37	8	1	0.47	306	Traces
335	Malda	Gajol	Kadubari (Gajol)	WBMD93	Dug Well	7.44	498	176	8	38	41	4	Traces	229	188	22	2	36	0.09	289	0.64
336	Malda	Gajol	Khiri para	WBMD27	Dug Well	7.94	1576	571	47	110	115	6	Traces	615	504	143	6	143	1.32	946	0.12
337	Malda	Gajol	Mashaldighi	WBMD15	Dug Well	7.44	570	201	30	31	40	13	Traces	225	184	71	11	Traces	0.49	334	1.27
338	Malda	Gajol	Matol	WBMD91	Dug Well	7.69	1030	303	40	49	85	30	Traces	395	324	100	16	23	0.09	586	0.07
339	Malda	Habibpur	Tajpur (Khokabeni)	WBMD79	Dug Well	8.01	1217	442	99	48	93	0	Traces	216	177	310	Traces	22	0.63	704	Traces
340	Malda	Harishchandrapur	Baroduari	WBMD41	Tube Well	7.74	243	82	14	12	15	2	Traces	125	103	10	4	Traces	0.96	134	0.05

SN	District	Block	Location	Well ID	Source	pH	EC	TH (as CaCO3)	Ca+2 (as Ca)	Mg+2 (as Mg)	Na	K	CO3	HCO3	Total Alk as CaCO3	Cl	NO3	SO4	F	TDS	Fe
							$\mu\text{S cm}^{-1}$	mg/L													
		II																			
341	Malda	Kaliachak I	16 Mile	WBMD49	Tube Well	7.84	336	100	10	18	32	1	Traces	128	105	47	1	1	0.33	188	1.00
342	Malda	Kaliachak I	Kaliachak (Thakurbari)	WBMD103	Dug Well	7.84	878	251	34	40	72	35	Traces	215	176	96	28	112	0.11	547	0.05
343	Malda	Kaliachak I	Khaschandpur	WBMD60	Dug Well	7.90	1289	419	57	67	95	40	Traces	445	365	231	1	1	0.67	764	0.11
344	Malda	Kaliachak III	17 Mile	WBMD47	Tube Well	7.90	611	313	33	56	5	4	Traces	242	199	19	Traces	82	0.30	347	2.98
345	Malda	Kaliachak III	Birnagar II	WBMD59	Dug Well	8.28	1636	502	80	74	82	90	Traces	338	277	166	135	154	0.27	986	0.64
346	Malda	Kaliachak III	Mahajantala	WBMD48	Tube Well	7.39	475	147	16	26	28	33	Traces	191	156	29	18	41	0.08	308	3.45
347	Malda	Kaliachak III	Pagla Bridge	WBMD89	Tube Well	8.22	327	159	26	23	6	3	Traces	174	142	14	3	4	Traces	185	1.56
348	Malda	Manikchak	Manikchak	NEWWELL	Dug Well	8.07	633	188	15	37	68	2	Traces	340	278	13	Traces	42	1.41	384	6.24
349	Malda	Manikchak	Mohana I	WBMD66	Dug Well	8.17	714	215	38	29	39	38	Traces	313	256	32	25	6	0.10	398	0.24
350	Malda	Old Malda	Muchia	WBMD11	Dug Well	8.06	336	131	34	11	14	8	Traces	155	127	27	Traces	1	0.69	189	0.37
351	Malda	Old Malda	Malda Town	WBMD14	Dug Well	7.64	463	108	10	20	49	3	Traces	70	57	84	4	41	0.11	254	0.48
352	Malda	Ratua I	Ratua	WBMD17A	Dug Well	7.42	468	140	24	20	44	1	Traces	223	183	42	Traces	1	0.72	269	0.14
353	Malda	Ratua II	Sripur	WBMD100	Tube Well	7.75	261	42	10	4	41	1	Traces	128	105	7	Traces	7	1.17	149	0.62
354	Murshidabad	Beldanga I	Mirzapur	WBMB73	Tube Well	8.21	464	250	48	32	16	4	Traces	244	200	43	Traces	75	0.29	297	0.92
355	Murshidabad	Beldanga I	Swarupnagar	WBMB154	Dug Well	8.20	1434	450	36	87	116	13	Traces	171	140	292	Traces	138	0.20	918	0.18
356	Murshidabad	Beldanga II	Bazar-Sou	WBMB163	Tube Well	8.17	362	185	20	33	36	2	Traces	384	315	7	Traces	1	0.42	231	0.28
357	Murshidabad	Beldanga II	Saktipur	WBMB150	Tube Well	8.22	607	290	58	35	27	2	Traces	336	275	20	Traces	55	0.20	388	2.42
358	Murshidabad	Berhampur	Daulatabad	WBMB13C	Dug Well	8.19	886	335	78	34	97	13	Traces	427	350	131	Traces	112	0.30	567	Traces
359	Murshidabad	Berhampur	Pakamati	WBMB78A	Tube Well	8.13	856	300	44	46	9	3	Traces	360	295	43	Traces	2	0.22	548	5.00
360	Murshidabad	Berhampur	Sialmara	WBMB168	Tube Well	8.18	378	175	32	23	56	3	Traces	433	355	7	Traces	Traces	0.16	242	0.51
361	Murshidabad	Bhagawangola I	Kalokhali	WBMB169	Tube Well	8.32	369	215	22	39	60	3	30	335	275	5	Traces	3	0.10	236	2.95
362	Murshidabad	Bhagawangola I	Kashipur	WBMB166A	Tube Well	8.15	363	185	22	32	86	4	Traces	336	275	57	Traces	51	0.32	232	6.94
363	Murshidabad	Bhagawangola I	Nasipur	WBMB167	Tube Well	8.18	546	290	16	61	21	7	Traces	384	315	43	Traces	Traces	0.13	349	3.14
364	Murshidabad	Bhagawangola II	Saidpur	WBMB91	Dug Well	8.07	577	240	26	42	127	5	Traces	427	350	50	Traces	Traces	3.57	369	0.36
365	Murshidabad	Bharatpur I	Gangedda	WBMB70B	Dug Well	8.22	864	250	60	24	92	33	Traces	244	200	155	Traces	150	0.60	553	1.28
366	Murshidabad	Bharatpur I	Lohadda	WBMB164	Tube Well	8.12	380	205	22	36	46	2	Traces	268	220	20	Traces	Traces	0.18	243	1.89

SN	District	Block	Location	Well ID	Source	pH	EC	TH (as CaCO3)	Ca+2 (as Ca)	Mg+2 (as Mg)	Na	K	CO3	HCO3	Total Alk as CaCO3	Cl	NO3	SO4	F	TDS	Fe
							$\mu\text{S cm}^{-1}$	mg/L													
367	Murshidabad	Bharatpur II	Dakshin Khandgram	WBMB160	Tube Well	8.16	369	160	20	27	87	2	Traces	262	215	94	Traces	3	1.54	236	2.13
368	Murshidabad	Hariharpur	Kholilabad	WBMB174	Tube Well	8.36	418	205	16	40	8	3	12	275	225	32	Traces	1	0.12	268	2.00
369	Murshidabad	Hariharpur	Nasipur	WBMB178	Tube Well	8.31	598	250	42	35	35	5	18	366	300	43	Traces	23	0.09	383	3.95
370	Murshidabad	Jalangi	Jalangi	WBMB11A	Dug Well	8.22	436	190	22	33	22	5	Traces	262	215	36	Traces	Traces	0.07	279	0.27
371	Murshidabad	Jalangi	Sagarpara (Kalitala)	WBMB15A	Dug Well	8.25	1282	265	46	36	92	2	Traces	464	380	16	Traces	Traces	0.40	820	0.01
372	Murshidabad	Kandi	Gokarna	WBMB157	Tube Well	8.14	370	135	20	20	63	1	Traces	244	200	18	Traces	4	0.27	237	9.92
373	Murshidabad	Kandi	Jibanti	WBMB96	Tube Well	8.22	372	200	20	36	30	2	Traces	299	245	5	Traces	16	0.68	238	1.63
374	Murshidabad	Kandi	Kandi	WBMB6A	Dug Well	8.19	980	200	46	21	150	2	Traces	153	125	165	Traces	56	0.30	627	0.01
375	Murshidabad	Kandi	Manoharpur	WBMB158	Tube Well	8.18	883	100	24	10	78	0	Traces	268	220	35	Traces	Traces	1.54	565	5.09
376	Murshidabad	Kandi	Purandarpur	WBMB97A	Dug Well	8.12	848	205	20	38	110	1	Traces	275	225	102	Traces	1	Traces	542	7.26
377	Murshidabad	Kharagram	Sherpur	WBMB98A	Tube Well	8.12	306	180	20	32	46	2	Traces	336	275	9	2	Traces	0.50	196	1.78
378	Murshidabad	Mur-Jiaganj	Lalbagh	WBMB179	Tube Well	8.31	565	240	24	44	74	4	18	415	340	30	Traces	Traces	0.14	361	3.01
379	Murshidabad	Nowada	Amtala	WBMB165	Tube Well	8.13	418	250	28	44	15	3	Traces	214	175	74	Traces	Traces	0.18	268	7.12
380	Murshidabad	Nowada	Chandipur	WBMB75A	Dug Well	8.17	753	300	32	53	64	3	Traces	250	205	132	Traces	2	0.29	482	0.07
381	Murshidabad	Nowada	Patikbari	WBMB177A	Dug Well	8.33	990	415	24	86	67	3	36	360	295	96	Traces	95	0.01	633	Traces
382	Murshidabad	Raghunathganj I	Barala	WBMB101A	Tube Well	8.21	387	165	22	27	56	1	Traces	305	250	20	Traces	1	0.30	247	0.11
383	Murshidabad	Raghunathganj I	Raghunathganj	WBMB40	Dug Well	8.25	857	320	50	47	75	2	Traces	439	360	101	Traces	79	0.29	549	0.03
384	Murshidabad	Raninagar I	Beikibagan	WBMB83	Dug Well	8.15	397	160	30	21	10	4	Traces	128	105	85	Traces	1	0.14	254	2.46
385	Murshidabad	Raninagar I	Islampur	WBMB170	Tube Well	8.35	434	240	32	39	65	6	30	482	395	20	Traces	2	0.07	278	3.94
386	Murshidabad	Raninagar II	Kuptala	WBMB84A	Tube Well	8.10	936	315	46	49	60	14	Traces	427	350	94	Traces	56	0.15	599	0.12
387	Murshidabad	Raninagar II	Paranpur	WBMB35	Dug Well	8.27	1184	340	34	62	26	4	Traces	183	150	85	Traces	67	0.11	758	0.01
388	Murshidabad	Sagardighi	Manigram	WBMB102B	Dug Well	8.24	409	200	20	36	47	2	Traces	397	325	3	Traces	2	0.28	262	Traces
389	Murshidabad	Samserganj	Natun Malancha	WBMB55	Dug Well	8.21	758	400	96	39	19	4	Traces	201	165	87	Traces	173	0.39	485	Traces
390	Nadia	Chapra	Choto Andulia	WBND158	TW Mark II	7.46	501	215	32	33	21	4	Traces	244	200	35	3	Traces	0.13	278	4.70
391	Nadia	Chapra	Dayer Bazar	WBND110A	TW Mark II	7.50	503	215	38	29	22	3	Traces	214	175	64	Traces	7	0.10	294	6.07
392	Nadia	Chapra	Elemnagar	WBND160	TW Mark II	7.49	465	215	48	23	11	4	Traces	189	155	53	1	Traces	0.06	255	3.29

SN	District	Block	Location	Well ID	Source	pH	EC	TH (as CaCO3)	Ca+2 (as Ca)	Mg+2 (as Mg)	Na	K	CO3	HCO3	Total Alk as CaCO3	Cl	NO3	SO4	F	TDS	Fe
							$\mu\text{S cm}^{-1}$	mg/L													
393	Nadia	Hanskhali	Bhowanipur	WBND166	TW Mark II	8.19	495	180	54	11	28	4	Traces	159	130	74	3	1	0.16	272	2.13
394	Nadia	Hanskhali	Nimtala Tangra	WBND138	Tube Well	8.28	490	195	28	30	28	4	Traces	220	180	57	2	Traces	0.20	283	2.02
395	Nadia	Hanskhali	Ulasi	WBND29B	Tube Well	8.07	586	210	48	22	47	1	Traces	250	205	71	2	Traces	Traces	344	0.94
396	Nadia	Krimpur I	Karimpur	WBND03	Dug Well	8.30	567	215	70	10	28	21	Traces	262	215	43	12	25	0.50	368	0.28
397	Nadia	Krimpur I	Uttar	WBND22	Dug Well	8.28	651	230	58	21	26	22	Traces	293	240	28	8	17	Traces	358	0.05
398	Nadia	Krimpur II	Mahisabathan	WBND31A	Dug Well	8.29	1494	380	52	61	188	5	Traces	250	205	298	Traces	182	0.58	939	0.46
399	Nadia	Krishnaganj	Banpur	WBND153	TW Mark II	8.21	540	250	44	34	17	4	Traces	226	185	64	1	1	Traces	302	5.78
400	Nadia	Krishnaganj	Bhajanghat	WBND155	Dug Well	8.25	485	200	36	27	22	4	Traces	171	140	71	Traces	8	0.10	273	0.37
401	Nadia	Krishnaganj	Harishnagar	WBND122	TW Mark II	8.23	499	215	50	22	12	5	Traces	207	170	60	2	Traces	0.15	279	3.35
402	Nadia	Krishnaganj	Khalbelia (Kumarbari)	WBND134	TW Mark II	8.22	450	215	54	19	9	3	Traces	214	175	35	1	2	0.21	255	0.97
403	Nadia	Krishnaganj	Mazdia	WBND123	TW Mark II	8.29	393	175	44	16	14	3	Traces	177	145	43	2	1	0.23	230	2.64
404	Nadia	Krishnanagar I	Bhatjanla	WBND112	TW Mark II	7.82	371	175	36	21	9	3	Traces	171	140	32	3	2	0.13	210	1.24
405	Nadia	Krishnanagar I	Dignagar	WBND36	Dug Well	7.42	1696	435	72	62	188	7	Traces	220	180	404	Traces	146	0.19	1014	1.19
406	Nadia	Krishnanagar I	Gobrapota (Dhakapara)	WBND120	TW Mark II	8.15	456	220	48	24	12	4	Traces	226	185	35	5	9	0.53	275	3.75
407	Nadia	Krishnanagar I	Kalinagar	WBND135	TW Mark II	8.17	523	205	46	22	30	5	Traces	244	200	53	2	6	0.10	313	0.20
408	Nadia	Krishnanagar I	Mahesganj	WBND144	TW Mark II	8.26	476	210	26	35	18	4	Traces	220	180	43	1	Traces	Traces	261	5.38
409	Nadia	Krishnanagar I	Paninala	WBND109	TW Mark II	7.48	497	230	52	24	13	4	Traces	226	185	46	Traces	2	0.05	279	2.80
410	Nadia	Krishnanagar II	Bahadurpur	WBND12	Dug Well	8.42	1129	330	100	19	103	5	15	226	210	128	172	61	Traces	734	0.28
411	Nadia	Krishnanagar II	Chuakhali	WBND63	TW Mark II	8.25	397	175	36	21	13	3	Traces	189	155	28	1	Traces	0.17	218	0.34
412	Nadia	Krishnanagar II	Gournagar	WBND107	TW Mark II	8.01	525	230	56	22	13	4	Traces	195	160	78	1	Traces	0.05	292	0.30
413	Nadia	Krishnanagar II	Jahangipur	WBND156	TW Mark II	8.30	489	225	38	32	13	4	Traces	250	205	28	3	1	0.15	272	4.42
414	Nadia	Krishnanagar II	Jalalkhali	WBND119	TW Mark II	8.24	458	205	48	21	16	5	Traces	183	150	57	6	Traces	0.11	264	0.33
415	Nadia	Krishnanagar II	Shakdaha More	WBND131	TW Mark II	8.23	391	185	34	24	10	3	Traces	171	140	39	4	Traces	0.10	220	3.86
416	Nadia	Nabadwip	Nabadwip	WBND157	Tube Well	8.27	463	210	62	13	8	3	Traces	171	140	64	2	1	Traces	257	0.27
417	Nadia	Nabadwip	Nabadwip Ghat	WBND07	Dug Well	8.22	1072	295	48	43	109	6	Traces	207	170	199	Traces	56	Traces	587	0.04
418	Nadia	Nabadwip	Nabadwip Town	WBND08	Dug Well	8.14	870	255	72	18	57	35	Traces	195	160	85	124	30	0.32	541	0.03

SN	District	Block	Location	Well ID	Source	pH	EC	TH (as CaCO3)	Ca+2 (as Ca)	Mg+2 (as Mg)	Na	K	CO3	HCO3	Total Alk as CaCO3	Cl	NO3	SO4	F	TDS	Fe
							$\mu\text{S cm}^{-1}$	mg/L													
419	Nadia	Nabadwip	Sonadanga	WBND115	TW Mark II	8.09	537	185	24	30	43	5	Traces	250	205	46	2	Traces	0.13	303	0.47
420	Nadia	Nakashipara	Mayapur	WBND09	Dug Well	8.43	1166	295	32	52	148	3	15	336	300	142	Traces	100	0.07	690	0.36
421	Nadia	Nakashipara	Muragacha	WBND130	TW Mark II	8.23	485	195	32	28	20	4	Traces	207	170	60	2	Traces	0.14	273	0.30
422	Nadia	Ranaghat I	Birnagar	WBND165	TW Mark II	8.24	448	205	40	26	13	4	Traces	207	170	50	Traces	Traces	0.15	259	5.65
423	Nadia	Ranaghat I	Nokari	WBND17	Dug Well	8.25	878	305	46	46	65	10	Traces	201	165	149	30	68	0.27	536	0.27
424	Nadia	Ranaghat II	Duttaphulia	WBND139	TW Mark II	8.23	512	240	62	21	9	3	Traces	232	190	57	2	Traces	0.15	295	2.17
425	Nadia	Ranaghat II	Panikhali Bazar	WBND140	TW Mark II	8.26	459	225	66	15	11	2	Traces	244	200	32	3	Traces	0.12	278	2.02
426	Nadia	Tehatta I	Shyamnagar	WBND56A	TW Mark II	7.44	606	255	42	36	19	4	Traces	232	190	74	2	12	0.07	332	3.37
427	Nadia	Tehatta II	Hanspukuria	WBND58	Tube Well	8.16	495	235	54	24	14	3	Traces	177	145	78	Traces	1	0.37	283	3.79
428	North 24 Parganas	Amdanga	Mirhati/Santoshpur	WBNT071A	Tube Well	8.22	557	170	20	29	51	4	Traces	311	255	25	1	Traces	0.12	319	4.89
429	North 24 Parganas	Amdanga	Rangmahal	WBNT124	Tube Well	8.15	509	210	16	41	28	4	Traces	232	190	60	Traces	2	0.10	294	6.50
430	North 24 Parganas	Baduria	Baduria	WBNT018	Tube Well	8.24	655	215	14	44	57	4	Traces	244	200	85	18	1	0.05	372	5.80
431	North 24 Parganas	Baduria	Chandipur	WBNT114	TW Mark II	8.27	638	225	32	35	39	4	Traces	342	280	35	4	Traces	0.16	358	5.62
432	North 24 Parganas	Baduria	Chatra	WBNT063	Tube Well	8.30	517	230	50	26	21	2	Traces	207	170	43	Traces	35	0.13	303	3.41
433	North 24 Parganas	Baduria	Jadurhati	WBNT019	Tube Well	8.20	665	235	12	50	50	4	Traces	311	255	64	2	Traces	0.11	371	4.84
434	North 24 Parganas	Bagdah	Gobrapur	WBNT059	Tube Well	8.39	806	145	18	24	131	3	33	384	370	25	6	Traces	0.07	461	0.72
435	North 24 Parganas	Bagdah	Helencha	WBNT136	Tube Well	8.20	504	225	44	28	15	4	Traces	256	210	32	5	Traces	0.09	283	1.88
436	North 24 Parganas	Bagdah	Krishnachandrapur	WBNT058	Tube Well	8.29	474	180	22	30	31	5	Traces	232	190	39	Traces	1	0.08	270	1.36
437	North 24 Parganas	Bagdah	Netaji Palli	WBNT102	TW Mark II	8.24	502	230	52	24	10	3	Traces	220	180	43	2	12	0.24	280	1.94
438	North 24 Parganas	Barasat I	Barasat	WBNT145	Tube Well	8.26	854	315	40	52	59	2	Traces	275	225	117	Traces	44	0.17	482	0.50
439	North 24 Parganas	Barasat I	Bokanda	WBNT029	Tube Well	8.17	584	185	20	33	45	4	Traces	305	250	32	2	Traces	0.24	322	4.14
440	North 24 Parganas	Barasat I	Kadambagachi	WBNT111A	TW Mark II	8.28	542	190	24	32	45	4	Traces	293	240	28	Traces	1	0.42	313	0.88
441	North 24 Parganas	Barasat I	Sadarpur	WBNT142B	TW Mark II	8.24	354	155	36	16	16	3	Traces	146	120	43	Traces	2	0.36	205	2.53
442	North 24 Parganas	Barasat II	Aminpur Bazar	WBNT057	Tube Well	8.13	522	220	42	28	25	3	Traces	268	220	35	5	10	0.07	313	3.00
443	North 24 Parganas	Barasat II	Baidyapur	WBNT056A	Tube Well	8.24	497	190	26	30	33	4	Traces	299	245	7	2	Traces	0.24	286	1.10
444	North 24 Parganas	Barasat II	Digberia	WBNT115	TW Mark II	8.18	603	240	32	39	31	3	Traces	293	240	43	Traces	7	0.14	334	1.80
445	North 24 Parganas	Barrackpur I	Halisahar	WBNT040	Dug Well	8.20	2531	685	224	30	295	12	Traces	317	260	479	7	342	0.14	1582	0.81

SN	District	Block	Location	Well ID	Source	pH	EC	TH (as CaCO3)	Ca+2 (as Ca)	Mg+2 (as Mg)	Na	K	CO3	HCO3	Total Alk as CaCO3	Cl	NO3	SO4	F	TDS	Fe
							$\mu\text{S cm}^{-1}$	mg/L													
446	North 24 Parganas	Barrackpur I	Kuliagarh	WBNT088A	TW Mark II	8.21	511	230	32	36	18	4	Traces	262	215	35	6	Traces	0.23	293	1.42
447	North 24 Parganas	Barrackpur I	Sodpur	WBNT006B	Dug Well	7.98	994	320	76	32	59	34	Traces	299	245	85	36	66	0.11	570	0.63
448	North 24 Parganas	Barrackpur II	Ichapur Nababganj	WBNT005A	Dug Well	8.28	1027	400	104	34	58	13	Traces	354	290	167	Traces	Traces	0.76	592	0.59
449	North 24 Parganas	Barrackpur II	Ichapur Nababganj	WBNT072	Tube Well	8.34	374	165	42	15	13	2	6	146	130	32	1	19	0.61	217	6.56
450	North 24 Parganas	Basirhat I	Ghusighata	WBNT048C	Tube Well	8.22	655	200	22	35	63	5	Traces	287	235	67	4	Traces	0.18	372	1.50
451	North 24 Parganas	Basirhat I	Taki	WBNT100	Tube Well	8.46	708	185	16	35	89	4	27	238	240	85	Traces	Traces	0.26	391	0.39
452	North 24 Parganas	Basirhat II	Kochua	WBNT066	Tube Well	8.20	581	205	24	35	41	4	Traces	305	250	35	3	Traces	0.21	330	0.86
453	North 24 Parganas	Basirhat II	Srinagar Matia	WBNT099A	Tube Well	8.28	727	215	34	32	72	4	Traces	329	270	64	3	Traces	0.05	410	0.61
454	North 24 Parganas	Bongaon	Bongaon (Kuthibari)	WBNT119	Tube Well	7.76	1402	245	18	49	214	7	Traces	409	335	241	8	Traces	0.11	786	1.35
455	North 24 Parganas	Bongaon	Gopalnagar	WBNT001	Dug Well	8.26	766	340	90	28	15	6	Traces	342	280	60	8	4	0.11	419	1.56
456	North 24 Parganas	Bongaon	Gopalnagar	WBNT133	TW Mark II	8.15	515	230	60	19	17	3	Traces	262	215	35	5	Traces	0.08	299	1.74
457	North 24 Parganas	Bongaon	Kalupur Dakshinpara	WBNT131	TW Mark II	8.30	435	180	24	29	23	4	Traces	238	195	21	5	Traces	0.09	251	4.29
458	North 24 Parganas	Bongaon	Kansona	WBNT132	TW Mark II	8.26	361	145	30	17	14	4	Traces	195	160	14	2	Traces	0.13	201	7.82
459	North 24 Parganas	Deganga I	Mirja Nagar	WBNT146	Tube Well	8.02	583	250	32	41	27	4	Traces	287	235	57	2	Traces	0.26	339	1.89
460	North 24 Parganas	Gaighata	Gobardanga	WBNT113	CyInd.TW	8.34	975	325	32	60	80	6	24	287	275	128	6	38	0.08	538	4.95
461	North 24 Parganas	Gaighata	Ramchandrapur	WBNT129	TW Mark II	8.35	544	175	14	34	45	4	21	244	235	35	3	Traces	0.29	297	2.07
462	North 24 Parganas	Gaighata	Thakurnagar	WBNT101B	Tube Well	8.39	1028	455	106	46	36	12	36	439	420	60	11	6	0.32	567	3.29
463	North 24 Parganas	Habra I	Habra	WBNT028	Tube Well	8.08	582	260	42	38	19	2	Traces	275	225	53	1	3	Traces	326	3.70
464	North 24 Parganas	Habra II	Banipur	WBNT126A	TW Mark II	8.42	466	160	16	29	40	3	21	232	225	18	2	Traces	0.23	263	3.83
465	North 24 Parganas	Habra II	Bathania-Baruipara	WBNT112	TW Mark II	8.23	579	185	34	24	49	2	Traces	299	245	35	Traces	Traces	0.07	327	3.99
466	North 24 Parganas	Habra II	Guma	WBNT069	Tube Well	8.24	554	230	28	39	24	4	Traces	287	235	35	2	1	0.23	311	0.83
467	North 24 Parganas	Habra II	Sendanga	WBNT116	TW Mark II	8.40	620	170	18	30	75	3	30	293	290	32	2	Traces	0.21	357	0.74
468	North 24 Parganas	Habra II	Suria	WBNT127A	TW Mark II	8.20	548	235	28	40	25	3	Traces	268	220	46	1	Traces	0.22	307	7.83
469	North 24 Parganas	Haroa	Haroa	WBNT039	Tube Well	8.30	608	225	20	43	43	4	Traces	311	255	43	4	1	0.29	347	2.19
470	North 24 Parganas	Hasnabad	Rajapur-Uttarpara	WBNT160	TW Mark II	8.22	2572	280	34	47	468	5	Traces	744	700	422	11	1	0.13	1474	0.62

SN	District	Block	Location	Well ID	Source	pH	EC	TH (as CaCO3)	Ca+2 (as Ca)	Mg+2 (as Mg)	Na	K	CO3	HCO3	Total Alk as CaCO3	Cl	NO3	SO4	F	TDS	Fe
							$\mu\text{S cm}^{-1}$	mg/L													
471	North 24 Parganas	Hingalganj	Bankra	WBNT036	Tube Well	9.18	1303	60	8	10	253	4	33	555	510	74	8	Traces	0.10	716	0.31
472	North 24 Parganas	Hingalganj	Sandal Bill	WBNT44	Tube Well	9.16	1226	120	16	19	210	6	39	500	475	82	8	Traces	0.21	669	0.26
473	North 24 Parganas	Minakhan	Baghirula	WBNT027B	Tube Well	8.26	776	220	30	35	83	5	Traces	378	310	64	5	Traces	0.17	453	0.80
474	North 24 Parganas	Minakhan	Minakhan Bat Tala	WBNT026A	Tube Well	8.17	1209	295	36	50	128	5	Traces	342	280	230	7	Traces	0.18	666	0.13
475	North 24 Parganas	Rajarhat	Gopalpur (Bablatala - Udaichai)	WBNT110A	Tube Well	8.22	627	235	24	43	40	4	Traces	329	270	32	Traces	Traces	0.24	343	5.61
476	North 24 Parganas	Rajarhat	Rajarhat	WBNT038	Dug Well	8.12	1598	395	82	46	163	32	Traces	561	460	163	16	62	0.20	906	0.66
477	North 24 Parganas	Sandeshkhali I	Bayermary	WBNT032	Tube Well	8.28	966	200	32	29	117	5	Traces	470	385	50	12	1	0.16	533	0.34
478	North 24 Parganas	Sandeshkhali I	Dakhin Akartala	WBNT013A	Tube Well	8.15	1249	215	34	32	179	7	Traces	482	395	152	10	2	0.14	710	0.36
479	North 24 Parganas	Sandeshkhali I	Dakshin Ankratala	WBNT153	TW Mark II	8.27	885	170	22	28	118	5	Traces	415	340	74	15	Traces	0.09	515	0.38
480	North 24 Parganas	Swarupnagar	Tentulia	WBNT065A	Tube Well	8.15	618	170	48	12	64	4	Traces	293	240	39	2	Traces	0.25	348	0.68
481	Paschim Barddhaman	Andal	Andal	WBBM032	Dug Well	8.36	1019	370	66	50	55	6	42	232	290	117	Traces	58	0.30	652	1.07
482	Paschim Barddhaman	Andal	Andal	WBBM199	Dug Well	7.95	554	175	30	20	63	0	Traces	122	100	92	Traces	34	0.13	354	Traces
483	Paschim Barddhaman	Andal	Andal Gram	WBBM178	Dug Well	8.12	280	150	32	17	144	28	Traces	488	400	85	1	23	0.33	179	0.59
484	Paschim Barddhaman	Andal	Babuisal	WBBM174	Dug Well	7.88	450	210	26	35	27	1	Traces	67	55	71	Traces	70	0.15	288	Traces
485	Paschim Barddhaman	Andal	Bankola	WBBM201	Dug Well	7.85	711	300	61	20	75	28	Traces	317	260	184	Traces	4	0.19	455	0.15
486	Paschim Barddhaman	Andal	Dakshin Khanda	WBBM110	Dug Well	8.15	1732	480	88	21	74	4	Traces	488	400	135	Traces	Traces	0.01	1108	Traces
487	Paschim Barddhaman	Andal	Dignata Andal	WBBM189	Dug Well	8.12	1992	730	100	117	67	18	Traces	195	160	322	Traces	154	0.27	1275	Traces
488	Paschim Barddhaman	Andal	Ukhra	WBBM200	Dug Well	8.05	364	175	30	20	30	1	Traces	146	120	85	Traces	5	0.12	233	Traces
489	Paschim Barddhaman	Asansol	Asansol	WBBM169	Dug Well	8.21	329	170	26	25	25	1	Traces	55	45	96	3	5	0.15	211	Traces
490	Paschim Barddhaman	Asansol	Asansol B	WBBM033B	Dug Well	8.34	1409	340	58	47	25	6	54	262	215	44	Traces	36	0.14	902	1.33
491	Paschim Barddhaman	Asansol	Burnpur	WBBM173	Dug Well	8.16	2331	730	100	22	52	1	Traces	214	175	144	Traces	6	0.25	1492	Traces
492	Paschim Barddhaman	Asansol	Dadkha	WBBM171A	Dug Well	7.77	327	160	32	19	29	0	Traces	49	40	82	Traces	22	1.70	209	Traces
493	Paschim Barddhaman	Asansol	Hirapur	WBBM112	Dug Well	8.22	1003	385	40	69	67	4	Traces	409	335	107	1	120	0.26	642	Traces
494	Paschim Barddhaman	Asansol	Kalla	WBBM121	Dug Well	8.33	656	340	60	46	25	1	42	183	220	67	Traces	30	0.43	420	Traces
495	Paschim Barddhaman	Asansol	Kanyapur	WBBM170	Dug Well	8.36	283	145	30	17	71	18	120	43	235	28	Traces	37	0.16	181	Traces



SN	District	Block	Location	Well ID	Source	pH	EC	TH (as CaCO3)	Ca+2 (as Ca)	Mg+2 (as Mg)	Na	K	CO3	HCO3	Total Alk as CaCO3	Cl	NO3	SO4	F	TDS	Fe
							$\mu\text{S cm}^{-1}$	mg/L													
496	Paschim Barddhaman	Barabani	Domohani Bazar	WBBM114	Dug Well	8.10	1205	395	36	74	28	6	Traces	189	155	135	Traces	57	0.99	771	Traces
497	Paschim Barddhaman	Barabani	Gourandih	WBBM034	Dug Well	8.34	953	295	44	45	25	8	24	268	220	60	1	89	0.14	610	0.94
498	Paschim Barddhaman	Durgapur Faridpur	Arrahgram	WBBM203	Dug Well	7.98	300	225	36	30	46	10	Traces	214	175	124	Traces	12	0.19	192	3.93
499	Paschim Barddhaman	Durgapur Faridpur	Banagram	WBBM188	Dug Well	8.15	948	350	40	61	56	3	Traces	171	140	195	Traces	23	0.21	607	Traces
500	Paschim Barddhaman	Durgapur Faridpur	Bhiringi	WBBM038	Dug Well	8.42	545	230	32	36	69	16	48	470	385	25	1	Traces	0.28	349	Traces
501	Paschim Barddhaman	Durgapur Faridpur	Deshbandhu Nagar	WBBM074	Dug Well	8.13	287	175	10	36	25	41	Traces	244	200	25	2	10	0.43	184	Traces
502	Paschim Barddhaman	Durgapur Faridpur	Durgapur Barrage	WBBM102	Dug Well	8.21	392	355	28	32	27	6	Traces	207	190	57	8	5	0.30	251	Traces
503	Paschim Barddhaman	Durgapur Faridpur	Gamon Colony	WBBM186	Dug Well	7.69	2108	210	26	35	60	0	Traces	55	45	236	Traces	15	0.14	1349	Traces
504	Paschim Barddhaman	Durgapur Faridpur	Gopalmath	WBBM179	Dug Well	8.06	863	325	38	56	35	3	Traces	98	80	126	Traces	87	Traces	552	Traces
505	Paschim Barddhaman	Durgapur Faridpur	Lal Maidan	WBBM187	Dug Well	8.02	884	315	26	61	67	104	Traces	470	385	85	Traces	18	0.54	565	Traces
506	Paschim Barddhaman	Durgapur Faridpur	North Avenue	WBBM185	Dug Well	7.95	537	265	24	50	27	1	Traces	67	55	126	Traces	39	2.00	344	Traces
507	Paschim Barddhaman	Durgapur Faridpur	Piala	WBBM002	Dug Well	8.36	312	160	30	21	43	32	48	281	230	35	Traces	Traces	0.28	200	1.61
508	Paschim Barddhaman	Jamuria	Damodarpur	WBBM122	Dug Well	8.31	997	360	52	56	18	17	18	104	115	158	2	65	0.12	638	1.96
509	Paschim Barddhaman	Jamuria	Dobrana(New Kenda)	WBBM116	Dug Well	8.12	709	325	34	58	28	18	Traces	195	160	67	Traces	97	0.48	454	Traces
510	Paschim Barddhaman	Jamuria	Gaighata	WBBM177	Dug Well	7.99	719	355	54	8	82	26	Traces	104	85	144	2	54	0.21	460	Traces
511	Paschim Barddhaman	Jamuria	Ikra	WBBM115	Dug Well	8.19	532	380	30	46	26	2	Traces	171	140	67	Traces	39	0.51	340	Traces
512	Paschim Barddhaman	Jamuria	Jammuria	WBBM215	Dug Well	8.06	841	125	16	24	86	5	Traces	311	255	71	Traces	4	0.27	538	0.12
513	Paschim Barddhaman	Jamuria	Mondalpur	WBBM113	Dug Well	8.39	892	325	26	63	37	8	30	397	325	36	8	56	1.09	571	Traces
514	Paschim Barddhaman	Jamuria	Pandabeswar	WBBM037	Dug Well	8.40	897	345	38	61	95	22	54	659	540	50	Traces	5	0.97	574	Traces
515	Paschim Barddhaman	Jamuria	Pandaveswar	WBBM176	Dug Well	8.16	543	245	28	42	39	54	Traces	207	170	191	3	2	Traces	347	Traces
516	Paschim Barddhaman	Jamuria	Satgram	WBBM158	Dug Well	8.32	686	385	60	57	50	0	72	140	235	85	12	89	0.05	439	3.54
517	Paschim Barddhaman	Kanksa	Domra	WBBM181	Dug Well	7.84	717	325	40	55	56	4	Traces	226	185	117	Traces	53	0.56	459	1.68
518	Paschim Barddhaman	Kanksa	Kanksa	WBBM182	Dug Well	7.65	432	165	30	22	67	3	Traces	220	180	117	Traces	4	0.20	277	Traces
519	Paschim Barddhaman	Kanksa	Kanksa	WBBM184	Dug Well	7.45	81	85	22	7	35	22	Traces	79	65	71	12	9	0.16	52	Traces

SN	District	Block	Location	Well ID	Source	pH	EC	TH (as CaCO3)	Ca+2 (as Ca)	Mg+2 (as Mg)	Na	K	CO3	HCO3	Total Alk as CaCO3	Cl	NO3	SO4	F	TDS	Fe
							$\mu\text{S cm}^{-1}$	mg/L													
520	Paschim Barddhaman	Kanksa	Kuldiha	WBBM157	Dug Well	7.88	580	290	44	44	65	4	Traces	55	45	191	8	86	0.12	371	Traces
521	Paschim Barddhaman	Kanksa	Silampur(New)	WBBM104B	Dug Well	8.37	609	120	52	2	135	12	60	220	180	89	Traces	32	2.40	390	Traces
522	Paschim Barddhaman	Kulti	Barakar	WBBM046	Dug Well	8.33	977	165	22	26	91	13	42	250	335	35	Traces	24	1.17	625	Traces
523	Paschim Barddhaman	Kulti	Barakar	WBBM202	Dug Well	8.29	89	75	6	20	36	0	Traces	55	45	93	Traces	30	0.11	57	Traces
524	Paschim Barddhaman	Kulti	Kulti	WBBM172	Dug Well	8.17	174	115	22	15	191	30	Traces	116	95	379	11	28	0.41	111	Traces
525	Paschim Barddhaman	Kulti	Kultora	WBBM069	Dug Well	8.39	175	140	20	22	55	14	18	256	210	8	7	Traces	0.41	112	Traces
526	Paschim Barddhaman	Kulti	Neamatpur A	WBBM036B	Dug Well	8.44	642	280	42	42	35	14	60	256	340	74	Traces	5	0.14	411	0.98
527	Paschim Barddhaman	Kulti	Sanasitala	WBBM216	Dug Well	8.16	231	90	10	20	40	1	Traces	183	150	35	Traces	5	0.22	148	0.04
528	Paschim Barddhaman	Raniganj	Bogra	WBBM111A	Dug Well	8.23	1152	360	22	32	18	56	Traces	275	225	86	7	2	1.10	737	Traces
529	Paschim Barddhaman	Raniganj	Raniganj	WBBM175	Dug Well	7.89	283	165	30	22	35	58	Traces	61	50	195	1	9	0.16	181	Traces
530	Paschim Barddhaman	Salanpur	Chittaranjan	WBBM035	Dug Well	8.36	387	185	24	30	95	8	54	427	350	36	Traces	2	0.91	248	0.96
531	Paschim Barddhaman	Salanpur	Chittaranjan	WBBM191	Dug Well	7.53	534	140	4	50	52	2	Traces	244	200	117	Traces	3	0.17	342	Traces
532	Paschim Barddhaman	Salanpur	Dendua More	WBBM190	Dug Well	8.03	639	265	24	50	64	12	Traces	220	180	188	Traces	15	0.73	409	0.29
533	Paschim Barddhaman	Salanpur	Ethora	WBBM012	Dug Well	8.40	1127	475	74	70	96	11	54	506	415	235	Traces	27	0.10	721	1.22
534	Paschim Barddhaman	Salanpur	Kalyaneswari	WBBM071	Dug Well	8.33	188	85	36	1	92	32	24	195	160	95	Traces	42	0.70	120	5.26
535	Paschim Barddhaman	Salanpur	Rupnarayanpur	WBBM048	Dug Well	8.34	538	280	42	42	60	12	54	360	455	86	1	25	0.57	344	Traces
536	Paschim Barddhaman	Salanpur	Salanpur	WBBM047	Dug Well	8.34	794	120	36	7	87	34	12	287	375	43	Traces	Traces	0.76	508	Traces
537	Paschim Barddhaman	Salanpur	Samdi	WBBM192	Dug Well	7.59	619	250	35	42	23	2	Traces	183	150	85	Traces	7	0.31	396	2.01
538	Paschim Medinipur	Binpur I	Dahijuri	WBMP52	Dug Well	7.63	892	300	38	50	66	59	Traces	287	235	99	1	60	0.16	571	6.80
539	Paschim Medinipur	Binpur II	Belpahari	WBMP197	Dug Well	7.94	143	85	11	14	10	3	Traces	79	65	28	1	2	0.11	92	0.39
540	Paschim Medinipur	Binpur II	Khurchiboni	WBMP207	Dug Well	7.91	95	80	14	11	3	1	Traces	61	50	25	Traces	4	0.07	61	0.52
541	Paschim Medinipur	Binpur II	Malabati	WBMP189	Dug Well	7.86	193	90	14	13	25	4	Traces	61	50	60	Traces	2	0.06	123	0.20
542	Paschim Medinipur	Chandrakona I	Chandrakona (Dharampur)	WBMP128	Dug Well	7.82	466	185	38	22	41	18	Traces	232	190	50	1	10	0.22	298	0.86
543	Paschim Medinipur	Chandrakona II	Khirpai	WBMP10B	Tube Well	7.80	453	130	24	17	56	2	Traces	201	165	53	1	2	0.17	290	0.14
544	Paschim Medinipur	Dantan I	Sonakanania	WBMP100	Tube Well	7.57	549	310	40	51	16	1	Traces	189	155	89	1	15	0.15	352	0.43
545	Paschim Medinipur	Daspur I	Jiakhali	WBMP215	TW Mark II	7.74	503	190	24	32	73	3	Traces	397	325	35	1	19	0.40	322	0.17
546	Paschim Medinipur	Daspur II	Kheput (Gopiganj)	WBMP129	Tube Well	7.86	625	150	24	22	111	2	Traces	415	340	39	Traces	5	0.29	400	1.21

SN	District	Block	Location	Well ID	Source	pH	EC	TH (as CaCO3)	Ca+2 (as Ca)	Mg+2 (as Mg)	Na	K	CO3	HCO3	Total Alk as CaCO3	Cl	NO3	SO4	F	TDS	Fe
							$\mu\text{S cm}^{-1}$	mg/L													
547	Paschim Medinipur	Daspur II	Sonakhali	WBMP130	Tube Well	7.91	623	180	26	28	100	3	Traces	384	315	53	Traces	11	0.40	399	8.68
548	Paschim Medinipur	Debra	Balichak	WBMP103	Tube Well	7.63	627	330	32	61	22	1	Traces	275	225	85	1	21	0.21	401	0.18
549	Paschim Medinipur	Debra	Panchgeria	WBMP131	Tube Well	7.88	546	245	30	41	44	1	Traces	317	260	53	1	5	0.36	349	0.46
550	Paschim Medinipur	Garbeta I	Garbeta	WBMP08	Dug Well	8.20	60	250	16	51	3	2	Traces	98	80	82	Traces	61	0.11	38	0.13
551	Paschim Medinipur	Garbeta II	Chandrakona Rd.	WBMP44	Dug Well	7.78	618	50	30	6	55	12	Traces	79	65	131	1	4	0.08	396	0.21
552	Paschim Medinipur	Garbeta II	Raskunda	WBMP167	Dug Well	7.73	517	220	32	34	37	17	Traces	165	135	85	1	37	0.15	331	0.27
553	Paschim Medinipur	Garbeta III	Andhar Nayan	WBMP169	Dug Well	8.30	81	80	18	8	5	1	Traces	55	45	25	1	3	0.11	52	0.28
554	Paschim Medinipur	Garbeta III	Shamnagar (Radhakrishnapur)	WBMP168	Dug Well	7.86	649	250	34	40	62	29	Traces	226	185	106	1	49	0.15	415	0.79
555	Paschim Medinipur	Ghatal	Katan	WBMP132A	Tube Well	7.80	563	260	30	45	36	2	Traces	317	260	53	Traces	21	0.42	360	0.28
556	Paschim Medinipur	Ghatal	Manoharpur	WBMP97	Tube Well	7.58	474	155	32	18	43	3	Traces	336	275	21	1	1	0.21	303	0.27
557	Paschim Medinipur	Gopiballavpur I	Gopiballavpur	WBMP14	Dug Well	7.90	393	205	26	34	26	7	Traces	238	195	28	1	22	0.19	251	12.00
558	Paschim Medinipur	Gopiballavpur II	Beliaberia	WBMP92B	Dug Well	7.36	694	290	36	49	19	2	Traces	275	225	82	1	2	0.11	444	0.23
559	Paschim Medinipur	Jamboni	Gidhni	WBMP47	Dug Well	7.86	414	160	28	22	31	6	Traces	165	135	53	1	32	0.13	265	0.32
560	Paschim Medinipur	Jamboni	Hijli	WBMP186	Dug Well	7.72	240	170	22	28	5	4	Traces	171	140	25	Traces	9	0.15	153	0.22
561	Paschim Medinipur	Jamboni	Kalidaspur	WBMP160	Dug Well	7.85	470	265	24	50	18	3	Traces	293	240	35	1	33	0.25	301	0.22
562	Paschim Medinipur	Jamboni	Kapcita	WBMP212	Dug Well	7.72	755	100	26	8	111	26	Traces	207	170	85	1	72	1.70	483	0.32
563	Paschim Medinipur	Jamboni	Kapgari	WBMP187	Dug Well	7.92	90	100	18	13	6	1	Traces	67	55	32	1	3	0.07	58	0.27
564	Paschim Medinipur	Jamboni	Nunia	WBMP198	Dug Well	8.05	101	95	14	15	6	1	Traces	73	60	39	1	2	0.07	64	0.25
565	Paschim Medinipur	Jamboni	Tulibarh	WBMP185	Dug Well	7.67	184	105	20	13	9	0	Traces	79	65	21	1	6	0.10	118	2.75
566	Paschim Medinipur	Jhargram	Jharagram	WBMP193	Dug Well	7.41	782	295	32	52	53	43	Traces	323	265	89	1	20	0.15	500	0.14
567	Paschim Medinipur	Jhargram	Lodhasuli	WBMP206	Dug Well	7.91	115	85	10	15	9	1	Traces	61	50	25	Traces	1	0.07	74	0.27
568	Paschim Medinipur	Jhargram	Rashmandal	WBMP12	Dug Well	8.10	150	220	22	40	6	1	Traces	85	70	82	1	18	0.31	96	0.71
569	Paschim Medinipur	Jhargram	Sevayatan	WBMP196	Dug Well	7.60	452	250	28	44	20	2	Traces	275	225	35	1	42	0.17	289	0.23
570	Paschim Medinipur	Keshiyari	Hathigeria	WBMP174	Dug Well	8.11	63	75	12	11	4	1	Traces	79	65	25	1	Traces	0.07	40	6.59
571	Paschim Medinipur	Keshiyari	Keshiary	WBMP48	Dug Well	7.97	205	140	20	22	12	2	Traces	116	95	35	1	10	0.12	131	0.18
572	Paschim Medinipur	Keshiyari	Khajara	WBMP217	Dug Well	7.80	470	170	24	27	60	3	Traces	183	150	82	1	35	0.19	301	9.96
573	Paschim Medinipur	Keshiyari	Patharhuri	WBMP173	Dug Well	7.99	81	80	20	7	10	1	Traces	67	55	35	Traces	3	0.07	52	0.17

SN	District	Block	Location	Well ID	Source	pH	EC	TH (as CaCO3)	Ca+2 (as Ca)	Mg+2 (as Mg)	Na	K	CO3	HCO3	Total Alk as CaCO3	Cl	NO3	SO4	F	TDS	Fe
							$\mu\text{S cm}^{-1}$	mg/L													
574	Paschim Medinipur	Keshpur	Neradeul	WBMP96A	TW Mark II	7.52	374	75	20	6	60	4	Traces	275	225	14	1	1	0.17	240	2.90
575	Paschim Medinipur	Kharagpur I	Bagra Chak	WBMP163	Dug Well	8.14	367	120	24	15	13	7	Traces	67	55	57	Traces	26	0.95	235	0.36
576	Paschim Medinipur	Kharagpur I	Chota Tangra	WBMP164	Dug Well	8.09	172	225	46	27	35	11	Traces	256	210	64	Traces	37	0.22	110	0.55
577	Paschim Medinipur	Kharagpur I	Kanthra	WBMP33	Dug Well	8.04	216	90	22	8	10	2	Traces	92	75	39	1	2	0.07	138	0.27
578	Paschim Medinipur	Kharagpur I	Khemasuli	WBMP162	Dug Well	7.95	131	115	12	21	11	1	Traces	61	50	60	1	6	0.14	84	0.19
579	Paschim Medinipur	Kharagpur I	Koushalya	WBMP166	Dug Well	7.72	663	295	44	45	45	23	Traces	287	235	89	1	35	0.24	424	0.19
580	Paschim Medinipur	Kharagpur I	Saranga	WBMP214	Dug Well	7.85	334	125	20	18	14	41	Traces	110	90	57	1	33	0.49	213	0.79
581	Paschim Medinipur	Medinipur	Bellia	WBMP209	Dug Well	7.47	732	175	22	29	64	65	Traces	201	165	103	1	42	0.22	469	0.49
582	Paschim Medinipur	Medinipur	Chilgora	WBMP170	Dug Well	7.36	536	95	28	6	34	42	Traces	153	125	21	Traces	28	0.12	343	0.21
583	Paschim Medinipur	Medinipur	Dherua	WBMP11A	Dug Well	7.78	431	235	32	38	22	2	Traces	189	155	64	1	23	0.19	276	0.14
584	Paschim Medinipur	Medinipur	Jamir Ara	WBMP165	Dug Well	7.78	482	175	40	18	28	3	Traces	92	75	64	1	40	0.95	308	0.22
585	Paschim Medinipur	Medinipur	Manidah	WBMP208	Dug Well	7.50	715	195	28	30	103	1	Traces	323	265	106	1	31	0.19	458	0.20
586	Paschim Medinipur	Mohanpur	Mohanpur	WBMP114	Tube Well	7.82	309	190	30	28	19	1	Traces	183	150	28	1	26	0.25	198	3.92
587	Paschim Medinipur	Mohanpur	Sankarara	WBMP115	Tube Well	7.88	336	205	42	24	18	2	Traces	232	190	25	1	6	0.27	215	3.65
588	Paschim Medinipur	Narayangarh	Bakhrabad	WBMP16B	TW Mark II	7.91	340	205	28	33	16	2	Traces	207	170	35	1	33	0.12	218	0.19
589	Paschim Medinipur	Narayangarh	Makrampur	WBMP109	Dug Well	7.66	489	255	34	41	23	5	Traces	244	200	39	1	35	0.28	313	7.88
590	Paschim Medinipur	Narayangarh	Nekurseni	WBMP218	TW Mark II	7.78	350	195	24	33	14	3	Traces	244	200	25	1	2	0.21	224	0.24
591	Paschim Medinipur	Pingla	Maligram	WBMP183	TW Mark II	7.39	697	325	38	56	52	1	Traces	311	255	53	1	27	0.15	446	0.30
592	Paschim Medinipur	Rohini	Naikansole Colony	WBMP216	Dug Well	8.06	101	100	6	21	9	1	Traces	61	50	32	1	11	0.12	64	1.28
593	Paschim Medinipur	Sabang	Temathani	WBMP102B	TW Mark II	7.58	846	240	42	33	114	1	Traces	329	270	142	1	5	0.26	542	0.34
594	Paschim Medinipur	Salboni	Gobru	WBMP200	Dug Well	7.87	204	100	22	11	15	5	Traces	61	50	67	1	1	0.06	130	0.25
595	Paschim Medinipur	Salboni	Godapiasal	WBMP41	Dug Well	8.26	66	225	12	47	4	1	Traces	43	35	89	1	53	0.12	42	0.14
596	Paschim Medinipur	Sankrail	Sankrail	WBMP94	Dug Well	8.13	76	90	24	7	3	2	Traces	61	50	25	1	3	0.19	49	9.68
597	Purba Barddhaman	Ausgram I	Ausgram	WBBM039A	Dug Well	8.39	335	200	32	29	39	29	54	232	310	25	8	23	0.01	215	Traces
598	Purba Barddhaman	Ausgram I	Chak-Radhamohanpur	WBBM161	Dug Well	8.33	960	245	30	41	96	0	30	104	135	118	Traces	84	0.39	614	Traces
599	Purba Barddhaman	Ausgram II	Chora	WBBM180	Dug Well	8.09	297	100	22	11	71	30	Traces	250	205	39	Traces	1	1.20	190	0.89
600	Purba Barddhaman	Barabani	Lalganj	WBBM167	Dug Well	8.13	1055	380	30	74	14	0	Traces	67	55	144	Traces	85	0.25	675	Traces

SN	District	Block	Location	Well ID	Source	pH	EC	TH (as CaCO3)	Ca+2 (as Ca)	Mg+2 (as Mg)	Na	K	CO3	HCO3	Total Alk as CaCO3	Cl	NO3	SO4	F	TDS	Fe
							$\mu\text{S cm}^{-1}$	mg/L													
601	Purba Barddhaman	Barddhaman I	Amirpur	WBBM082A	Tube Well	8.19	253	135	24	18	66	8	Traces	348	285	36	20	Traces	0.08	162	Traces
602	Purba Barddhaman	Barddhaman I	Amra (Mandirtala)	WBBM081A	Dug Well	8.18	918	215	24	38	57	20	Traces	336	275	60	Traces	68	0.13	587	Traces
603	Purba Barddhaman	Barddhaman I	Barddhaman	WBBM004	Dug Well	8.39	1440	415	66	61	57	18	72	342	280	113	Traces	51	0.19	922	1.21
604	Purba Barddhaman	Barddhaman I	Bhandardihi	WBBM196	TW Mark II	8.12	129	235	44	22	17	0	Traces	122	100	99	Traces	5	Traces	82	Traces
605	Purba Barddhaman	Barddhaman I	Bhita	WBBM194	Tube Well	7.98	249	115	7	34	42	20	Traces	214	175	46	Traces	5	0.12	159	Traces
606	Purba Barddhaman	Barddhaman I	Malkita	WBBM146	Tube Well	7.66	423	275	36	45	25	0	Traces	104	85	144	Traces	10	0.12	270	Traces
607	Purba Barddhaman	Barddhaman I	Piariganj	WBBM197	Dug Well	7.82	569	275	52	24	30	2	Traces	275	225	71	Traces	6	0.12	364	Traces
608	Purba Barddhaman	Barddhaman I	Piyariganj	WBBM198	TW Mark II	7.88	541	225	33	36	57	17	Traces	305	250	78	Traces	5	0.08	346	Traces
609	Purba Barddhaman	Barddhaman I	Suren Kalna	WBBM193	Tube Well	7.80	371	175	23	32	39	0	Traces	305	250	21	Traces	7	0.19	237	0.97
610	Purba Barddhaman	Bhatar	Bolgona	WBBM168A	TW Mark II	8.19	474	265	40	40	36	2	Traces	73	60	126	1	61	0.78	303	Traces
611	Purba Barddhaman	Bhatar	Orgram	WBBM059	Dug Well	8.35	285	160	40	15	56	14	42	170	140	36	Traces	Traces	0.22	182	Traces
612	Purba Barddhaman	Galsi I	Babla	WBBM183	Tube Well	8.12	334	190	24	32	36	0	Traces	214	175	35	Traces	8	0.54	214	Traces
613	Purba Barddhaman	Galsi I	Galigram	WBBM123A	Tube Well	8.15	308	225	28	38	14	22	Traces	153	125	67	Traces	27	0.84	197	Traces
614	Purba Barddhaman	Galsi I	Kasba	WBBM126A	Tube Well	8.09	381	265	36	42	43	1	Traces	134	110	99	Traces	42	0.15	244	Traces
615	Purba Barddhaman	Galsi I	Paraj More	WBBM210	TW Mark II	7.90	349	175	32	18	62	2	Traces	195	160	113	Traces	4	0.11	224	Traces
616	Purba Barddhaman	Galsi I	Paraj	WBBM124A	Tube Well	8.12	400	245	30	41	76	24	Traces	275	225	89	4	95	0.31	256	Traces
617	Purba Barddhaman	Galsi I	Ramgopalpur	WBBM125B	Tube Well	8.07	490	295	46	44	17	50	Traces	128	105	135	Traces	45	0.54	314	Traces
618	Purba Barddhaman	Galsi I	Rekona	WBBM209	TW Mark II	7.88	433	210	39	20	46	6	Traces	171	140	99	Traces	25	0.21	277	0.60
619	Purba Barddhaman	Galsi I	Sillaghat	WBBM211	TW Mark II	7.96	299	150	23	22	83	30	Traces	244	200	142	Traces	6	0.26	191	0.35
620	Purba Barddhaman	Galsi I	Tildanga	WBBM212	TW Mark II	7.73	1053	550	121	20	55	18	Traces	336	275	195	Traces	5	0.21	674	Traces
621	Purba Barddhaman	Galsi II	Galsi A	WBBM013B	Tube Well	8.34	508	275	48	38	30	39	54	336	435	29	1	41	0.15	325	1.30
622	Purba Barddhaman	Galsi II	Sanko	WBBM097B	Tube Well	8.15	331	395	32	44	36	1	Traces	293	240	86	16	26	0.53	212	Traces
623	Purba Barddhaman	Jamalpur	Ajahpur	WBBM017A	Dug Well	8.31	628	200	32	29	32	14	36	256	400	43	2	23	0.18	402	0.97
624	Purba Barddhaman	Jamalpur	Berugram (Moralpara)	WBBM155	Dug Well	7.65	387	190	40	22	10	34	Traces	98	80	158	4	Traces	0.13	248	Traces
625	Purba Barddhaman	Jamalpur	Gopalpur	WBBM031	Dug Well	8.33	1096	330	32	61	64	59	48	323	415	96	Traces	59	0.27	701	0.97
626	Purba Barddhaman	Jamalpur	Haibatpur	WBBM154A	Dug Well	8.15	1663	445	32	31	43	19	Traces	61	50	126	3	62	0.41	1064	Traces
627	Purba Barddhaman	Kalna	Raipur	WBBM156	Dug Well	7.86	1501	265	56	30	48	22	Traces	67	55	195	Traces	1	0.11	961	Traces

SN	District	Block	Location	Well ID	Source	pH	EC	TH (as CaCO3)	Ca+2 (as Ca)	Mg+2 (as Mg)	Na	K	CO3	HCO3	Total Alk as CaCO3	Cl	NO3	SO4	F	TDS	Fe
							$\mu\text{S cm}^{-1}$	mg/L													
628	Purba Barddhaman	Kalna I	Dhatrigram	WBBM213	Dug Well	7.63	1702	400	76	34	69	18	Traces	232	190	135	Traces	36	0.28	1089	Traces
629	Purba Barddhaman	Kalna I	Purba Sahapur	WBBM214	Dug Well	7.95	1051	175	30	20	76	7	Traces	372	305	43	Traces	9	0.22	673	Traces
630	Purba Barddhaman	Kalna II	Bara Dhamas	WBBM137A	Tube Well	8.31	285	200	22	35	28	18	12	55	65	158	Traces	17	0.04	183	Traces
631	Purba Barddhaman	Kalna II	Singarkone	WBBM107	Dug Well	8.21	764	85	30	1	63	22	Traces	214	175	34	Traces	5	0.13	489	Traces
632	Purba Barddhaman	Katwa II	Dainhat	WBBM109	Dug Well	8.18	557	165	22	27	61	3	Traces	201	165	86	Traces	Traces	0.29	356	Traces
633	Purba Barddhaman	Katwa II	Nandigram	WBBM120	Tube Well	8.32	273	155	28	21	89	10	42	201	235	43	Traces	27	0.24	175	Traces
634	Purba Barddhaman	Katwa II	Singi	WBBM134A	TW Mark II	7.44	342	215	28	35	47	2	Traces	49	40	100	7	86	0.16	219	Traces
635	Purba Barddhaman	Ketugram I	Hat Moregram	WBBM133	Tube Well	7.39	436	230	28	39	67	32	Traces	140	115	135	1	40	0.65	279	7.97
636	Purba Barddhaman	Khandaghosh	Bowaichandi	WBBM138	Tube Well	7.43	324	225	32	35	20	39	Traces	104	85	100	1	60	0.25	207	Traces
637	Purba Barddhaman	Khandaghosh	Khandaghosh (Tantipara)	WBBM208	CyInd.TW	7.98	280	190	36	16	37	8	Traces	183	150	106	Traces	Traces	0.17	179	1.72
638	Purba Barddhaman	Khandaghosh	Metadanga	WBBM030	Tube Well	8.36	363	205	44	23	70	2	18	494	405	23	1	7	0.73	233	0.97
639	Purba Barddhaman	Mangalkot	Koichor	WBBM129A	Tube Well	8.33	449	200	34	28	28	27	18	24	50	158	Traces	9	0.30	287	Traces
640	Purba Barddhaman	Manteswar	Jamna	WBBM136A	TW Mark II	8.33	898	435	54	73	43	1	12	207	190	135	Traces	59	0.16	575	Traces
641	Purba Barddhaman	Manteswar	Kusumgram	WBBM050C	Tube Well	8.21	356	215	22	39	25	18	Traces	317	390	39	12	29	0.78	228	Traces
642	Purba Barddhaman	Memari I	Dakshin Radhakantapur	WBBM105	Dug Well	8.31	312	165	22	27	44	30	42	214	175	32	Traces	Traces	Traces	200	Traces
643	Purba Barddhaman	Memari I	Pallaroad	WBBM084A	Dug Well	8.22	669	315	36	18	56	26	Traces	415	340	43	Traces	Traces	0.28	428	Traces
644	Purba Barddhaman	Memari II	Paharhati	WBBM163	Tube Well	8.39	381	205	30	32	7	1	12	122	120	86	Traces	7	0.18	244	Traces
645	Purba Barddhaman	Purbasthali II	Chak Bamangoria	WBBM119	Tube Well	8.34	405	220	36	32	27	30	48	287	315	28	3	9	0.02	259	Traces
646	Purba Barddhaman	Purbasthali II	Chupi	WBBM118	Tube Well	8.19	395	250	28	44	14	2	Traces	92	75	86	1	66	0.35	253	Traces
647	Purba Barddhaman	Purbasthali II	Malamba	WBBM153	CyInd.TW	8.33	303	180	22	30	68	20	78	165	265	99	1	6	0.27	194	Traces
648	Purba Barddhaman	Purbasthali II	Uttar Srirampur	WBBM149	Tube Well	7.59	409	250	28	44	10	2	Traces	183	150	96	Traces	9	0.14	262	Traces
649	Purba Barddhaman	Raina II	Borpur	WBBM141A	Tube Well	8.06	384	220	26	38	21	0	Traces	49	40	85	Traces	60	0.70	246	Traces
650	Purba Barddhaman	Raina II	Kaity	WBBM139A	Tube Well	8.02	341	255	30	44	29	1	Traces	116	95	106	1	23	0.18	218	Traces
651	Purba Medinipur	Bhagwanpur I	Kishorpur	WBMP156	TW Mark II	7.91	561	260	12	56	85	4	Traces	427	350	18	Traces	4	0.42	359	1.01
652	Purba Medinipur	Khejuri	Kastala	WBMP202	TW Mark II	7.82	1031	230	18	45	117	20	Traces	366	300	191	1	1	0.28	660	0.81
653	Purba Medinipur	Mayna	Dakshin Anukha Gram	WBMP98	Tube Well	7.89	584	240	22	45	65	3	Traces	409	335	35	2	6	0.36	374	9.79

SN	District	Block	Location	Well ID	Source	pH	EC	TH (as CaCO3)	Ca+2 (as Ca)	Mg+2 (as Mg)	Na	K	CO3	HCO3	Total Alk as CaCO3	Cl	NO3	SO4	F	TDS	Fe
							$\mu\text{S cm}^{-1}$	mg/L													
654	Purba Medinipur	Mayna	Mayna (Gar Safat)	WBMP99	Tube Well	7.78	774	255	40	38	98	3	Traces	397	325	89	1	8	0.41	495	0.13
655	Purba Medinipur	Narayangarh	Aukanmary Manyagarh	WBMP157	Tube Well	7.90	618	385	28	76	18	4	Traces	250	205	160	1	19	0.34	395	0.99
656	Purba Medinipur	Panskura	Diglabad	WBMP205	Dug Well	7.71	1214	80	32	2	135	58	Traces	531	435	39	2	6	0.48	777	0.13
657	Purba Medinipur	Panskura	Kolaghat	WBMP06	Dug Well	7.61	1398	340	40	58	114	34	Traces	488	400	106	1	67	0.69	895	0.93
658	Purba Medinipur	Potashpur I	Mangla Maro	WBMP113	Tube Well	7.84	771	285	22	56	93	4	Traces	336	275	124	2	11	0.39	494	1.28
659	Purba Medinipur	Potashpur I	Potashpur P.S	WBMP51	Tube Well	7.95	455	225	20	42	36	3	Traces	275	225	35	2	10	0.37	291	1.43
660	Purba Medinipur	Potashpur II	Pratapdighi	WBMP111	Tube Well	7.92	505	265	30	46	54	2	Traces	323	265	35	1	6	0.40	323	1.32
661	Purba Medinipur	Ramnagar II	Dadan Patrabarh	WBMP177	TW Mark II	7.93	620	270	22	52	74	4	Traces	329	270	60	1	21	0.20	397	1.73
662	Purba Medinipur	Ramnagar II	Dharamburi	WBMP152	TW Mark II	7.95	440	405	20	86	35	3	Traces	305	250	131	1	1	0.41	281	0.77
663	Purulia	Baghmundi	Baghmundi	WBPL009	Dug Well	8.26	1108	372	18	80	71	22	Traces	171	140	213	34	71	0.22	612	0.10
664	Purulia	Baghmundi	Korenge	WBPL041	Dug Well	7.54	252	106	16	16	11	2	Traces	129	106	18	5	Traces	1.18	148	0.13
665	Purulia	Balarampur	Dava	WBPL098A	Dug Well	7.90	815	229	27	39	82	6	Traces	102	84	146	62	52	1.01	478	0.14
666	Purulia	Balarampur	Namsole	WBPL097	Dug Well	8.03	400	161	34	19	21	2	Traces	171	140	40	Traces	Traces	0.52	220	0.34
667	Purulia	Barabazar	Aga Jore	WBPL099	Dug Well	8.15	649	237	13	49	50	7	Traces	306	251	60	17	Traces	0.08	385	0.63
668	Purulia	Barabazar	Takariya	WBPL017A	Dug Well	7.69	762	217	13	45	68	16	Traces	179	147	104	26	68	0.70	451	0.10
669	Purulia	Hura	Bishpuria	WBPL039	Dug Well	7.94	1383	641	21	143	56	3	Traces	226	185	351	22	49	0.25	782	0.24
670	Purulia	Hura	Duriakata	WBPL084	Dug Well	8.25	611	236	53	25	42	2	Traces	297	244	52	10	Traces	0.35	366	0.19
671	Purulia	Hura	Katagora	WBPL075	Dug Well	7.83	1563	469	15	105	121	41	Traces	561	460	156	35	54	0.13	870	0.23
672	Purulia	Hura	Keshargarh	WBPL025	Dug Well	7.94	1923	713	19	162	119	20	Traces	484	397	338	52	58	0.22	1063	0.07
673	Purulia	Hura	Kumordih	WBPL108	Dug Well	7.82	1900	565	23	123	183	4	Traces	269	220	353	79	129	0.13	1059	0.14
674	Purulia	Hura	Lalpur	WBPL074	Dug Well	8.24	376	121	7	25	33	5	Traces	97	80	53	19	21	0.15	222	0.16
675	Purulia	Jaypur	Narayanpur	WBPL021	Dug Well	8.05	373	118	10	23	38	0	Traces	134	110	30	Traces	36	0.31	219	0.14
676	Purulia	Jhalda I	Jhargo	WBPL023	Dug Well	7.74	271	115	7	24	11	1	Traces	79	65	46	13	Traces	0.10	150	0.29
677	Purulia	Jhalda II	Durgu	WBPL088	Dug Well	8.02	1284	490	16	110	75	5	Traces	149	122	312	93	Traces	0.18	702	0.23
678	Purulia	Jhalda II	Kotshila	WBPL007A	Dug Well	7.86	468	162	6	36	37	2	Traces	65	53	97	4	37	0.13	259	0.11
679	Purulia	Kashipur	Napara	WBPL054	Dug Well	7.81	1249	427	20	91	72	19	Traces	283	232	164	62	96	0.17	696	0.10

SN	District	Block	Location	Well ID	Source	pH	EC	TH (as CaCO3)	Ca+2 (as Ca)	Mg+2 (as Mg)	Na	K	CO3	HCO3	Total Alk as CaCO3	Cl	NO3	SO4	F	TDS	Fe
							$\mu\text{S cm}^{-1}$	mg/L													
680	Purulia	Kashipur	Palash Kola	WBPL104	Dug Well	7.98	2766	955	20	220	168	3	Traces	132	109	589	233	222	0.83	1537	0.18
681	Purulia	Kashipur	Simla	WBPL040	Dug Well	7.84	603	240	6	55	36	2	Traces	52	43	188	1	13	0.14	333	0.26
682	Purulia	Manbazar I	Gopalnagar	WBPL087	Dug Well	7.97	519	196	15	38	34	2	Traces	146	120	78	20	17	0.65	295	0.14
683	Purulia	Manbazar I	Manbazar	WBPL001	Dug Well	7.83	868	163	18	29	113	1	Traces	275	225	129	Traces	19	0.30	476	0.11
684	Purulia	Manbazar I	Sindurpur	WBPL102	Dug Well	7.95	817	247	26	45	54	27	Traces	226	185	97	35	44	0.44	450	0.25
685	Purulia	Neturia	Gobag	WBPL058	Dug Well	7.74	699	157	24	24	55	39	Traces	126	103	92	38	50	0.18	399	0.38
686	Purulia	Neturia	Nituria	WBPL063	Dug Well	8.15	712	257	23	49	47	3	Traces	230	189	61	33	40	0.42	397	0.14
687	Purulia	Para	Anara	WBPL005	Dug Well	7.97	588	165	7	36	55	1	Traces	149	122	79	20	34	0.06	322	0.25
688	Purulia	Para	Kashiberia	WBPL083	Dug Well	8.30	1830	578	86	88	148	15	Traces	459	376	225	Traces	211	0.53	1054	0.30
689	Purulia	Para	Para	WBPL033A	Dug Well	8.35	1314	393	18	85	102	9	21	267	254	169	178	Traces	0.24	736	0.11
690	Purulia	Puncha	Damodarpur	WBPL089	Dug Well	7.64	1937	795	28	176	70	4	Traces	165	135	410	190	80	0.34	1060	0.10
691	Purulia	Puncha	Kenda	WBPL015A	Dug Well	7.96	448	108	11	19	59	7	Traces	172	141	60	Traces	9	0.17	271	0.35
692	Purulia	Puncha	Kulgara	WBPL079	Dug Well	7.90	173	61	16	5	14	1	Traces	89	73	12	Traces	Traces	0.20	102	0.20
693	Purulia	Puncha	Panipathar	WBPL071	Dug Well	7.77	706	215	10	46	60	3	Traces	151	124	132	38	25	0.45	407	0.11
694	Purulia	Purulia I	Dhobakata	WBPL106	Dug Well	8.30	861	243	22	46	83	2	Traces	207	170	141	13	39	0.28	472	0.19
695	Purulia	Purulia I	Imundi	WBPL066	Dug Well	7.98	1553	438	14	98	132	38	Traces	298	244	346	32	13	0.13	856	0.18
696	Purulia	Purulia I	Pandrama	WBPL095	Dug Well	7.95	703	279	15	58	40	3	Traces	99	81	143	30	41	0.20	391	0.21
697	Purulia	Purulia I	Purulia (Belguma)	WBPL004	Dug Well	7.85	403	138	9	28	33	6	Traces	176	144	35	1	11	0.18	231	0.36
698	Purulia	Purulia I	Tamna	WBPL028	Dug Well	7.83	1392	474	14	107	99	4	Traces	183	150	302	88	44	0.28	769	0.09
699	Purulia	Puruliya II	Podalaroad	WBPL050	Dug Well	7.90	2233	773	74	143	128	8	Traces	213	175	439	275	31	0.77	1230	0.13
700	Purulia	Raghunathpur II	Raghunathpur	WBPL013	Dug Well	7.81	721	202	7	45	69	1	Traces	143	117	116	5	65	0.40	395	0.10
701	Purulia	Santuri	Ledason	WBPL030	Dug Well	7.81	305	103	22	12	28	2	Traces	114	93	49	3	Traces	0.08	184	2.36
702	South 24 Paraganas	Baruipur	Baruipur	WBST04A	TW Mark II	8.02	731	180	34	23	78	4	Traces	366	300	50	2	24	0.83	468	1.56
703	South 24 Paraganas	Baruipur	Champahati	WBST130	TW Mark II	7.76	1701	375	78	44	188	4	Traces	244	200	411	2	24	0.75	1089	2.91
704	South 24 Paraganas	Baruipur	Dhopagachi	WBST60	Tube Well	7.88	824	210	24	36	96	6	Traces	342	280	89	1	23	0.10	527	2.30
705	South 24 Paraganas	Baruipur	Kumarhat	WBST148	TW Mark II	7.77	1122	240	36	36	133	6	Traces	323	265	170	2	57	0.48	718	4.74
706	South 24 Paraganas	Baruipur	Phultala	WBST137	TW Mark II	8.07	848	170	24	27	117	6	Traces	415	340	57	Traces	22	0.46	543	1.78



SN	District	Block	Location	Well ID	Source	pH	EC	TH (as CaCO3)	Ca+2 (as Ca)	Mg+2 (as Mg)	Na	K	CO3	HCO3	Total Alk as CaCO3	Cl	NO3	SO4	F	TDS	Fe
							µS cm <sup>-1</sup>	mg/L													
707	South 24 Paraganas	Baruipur	Ramdhari	WBST17	Tube Well	8.02	2370	265	36	42	208	7	Traces	342	280	355	4	59	2.30	1517	2.81
708	South 24 Paraganas	Baruipur	Sahapara	WBST161	TW Mark II	8.10	993	155	26	22	111	4	Traces	470	385	21	3	31	0.67	635	0.17
709	South 24 Paraganas	Baruipur	Sarberia	WBST125	TW Mark II	7.66	948	230	24	41	99	6	Traces	390	320	131	3	18	3.80	606	1.61
710	South 24 Paraganas	Baruipur	Surajpurhut	WBST106	Tube Well	7.66	1123	230	38	33	112	41	Traces	305	250	220	6	10	0.31	719	0.07
711	South 24 Paraganas	Baruipur	Tangtala	WBST128	TW Mark II	8.01	992	170	32	22	114	5	Traces	317	260	149	1	31	0.47	635	3.19
712	South 24 Paraganas	Basanti	Basanti	WBST0165	Tube Well	8.22	943	195	26	32	206	5	Traces	470	385	99	3	42	0.25	603	0.20
713	South 24 Paraganas	Basanti	Goiler More	WBST0178	TW Mark II	8.23	865	205	16	40	211	5	Traces	500	410	106	4	90	0.70	554	0.25
714	South 24 Paraganas	Basanti	Kalimore	WBST0173	TW Mark II	8.25	856	155	18	27	208	5	Traces	543	445	71	Traces	10	0.78	548	0.33
715	South 24 Paraganas	Basanti	Nafarganj	WBST0170	TW Mark II	8.21	885	180	38	21	208	5	Traces	512	420	74	1	144	0.69	567	0.38
716	South 24 Paraganas	Basanti	Narayantala	WBST0116A	Tube Well	7.94	2034	405	60	62	333	9	Traces	421	345	521	7	31	0.34	1302	0.28
717	South 24 Paraganas	Basanti	Panikhali Bazar	WBST085A	Tube Well	8.12	1809	200	16	39	348	5	Traces	476	390	390	6	Traces	0.33	1158	0.57
718	South 24 Paraganas	Basanti	Purba Bhangankhali	WBST0115A	TW Mark II	8.18	1012	250	34	40	156	1	Traces	427	350	149	5	Traces	0.39	648	0.20
719	South 24 Paraganas	Bhangar	Bhojerhat	WBST47A	Dug Well	8.42	1298	465	100	52	117	40	90	305	400	195	41	54	0.54	831	0.16
720	South 24 Paraganas	Bhangar	Chandipur	WBST43	Tube Well	8.25	1422	530	66	89	165	8	Traces	519	425	223	3	108	0.48	910	4.66
721	South 24 Paraganas	Bhangar	Hariharpur	WBST147	TW Mark II	8.45	814	305	32	55	114	5	72	268	340	135	2	9	0.61	521	0.26
722	South 24 Paraganas	Bhangar	Kashipur	WBST30	CyInd.TW	8.19	456	275	74	22	26	1	Traces	366	300	35	Traces	Traces	1.20	292	0.83
723	South 24 Paraganas	Bhangar	Katalia	WBST42A	CyInd.TW	8.13	920	310	60	39	104	3	Traces	305	250	213	Traces	Traces	0.26	589	0.91
724	South 24 Paraganas	Bhangar	Nalmuri	WBST46	Tube Well	8.34	338	270	38	42	15	4	60	189	255	35	3	Traces	Traces	216	0.24
725	South 24 Paraganas	Bishnupur	Amtala	WBST152	Dug Well	7.80	762	315	60	40	60	17	Traces	323	265	78	20	73	0.32	487	0.22
726	South 24 Paraganas	Bishnupur	Dakshin Barasat	WBST21	Tube Well	8.13	1022	170	20	29	153	5	Traces	390	320	117	3	38	0.84	654	1.35
727	South 24 Paraganas	Canning I	Athaarobanki	WBST044	TW Mark II	8.01	2414	230	26	40	359	20	Traces	561	460	521	5	Traces	0.36	1545	1.76
728	South 24 Paraganas	Canning I	Raibaghini	WBST176	TW Mark II	7.90	1088	235	20	45	133	8	Traces	329	270	160	4	54	1.90	696	3.10
729	South 24 Paraganas	Canning II	Jaikhali	WBST114	CyInd.TW	8.71	1865	260	34	42	341	27	90	305	400	408	6	4	0.33	1194	0.51
730	South 24 Paraganas	Falta	Dostipur	WBST84	TW Mark II	7.93	2232	285	34	49	335	9	Traces	433	355	355	6	185	1.20	1428	0.04
731	South 24 Paraganas	Falta	Falta	WBST13	Dug Well	7.93	2622	270	18	55	358	4	Traces	610	500	471	24	90	0.36	1678	Traces
732	South 24 Paraganas	Falta	Sargaria	WBST156	Dug Well	8.17	983	110	22	13	195	9	Traces	354	290	149	2	24	0.29	629	0.29
733	South 24 Paraganas	Jaynagar I	Burarghat	WBST61A	TW Mark II	8.11	991	185	34	24	173	6	Traces	451	370	142	6	1	0.46	634	0.26

SN	District	Block	Location	Well ID	Source	pH	EC	TH (as CaCO3)	Ca+2 (as Ca)	Mg+2 (as Mg)	Na	K	CO3	HCO3	Total Alk as CaCO3	Cl	NO3	SO4	F	TDS	Fe
							$\mu\text{S cm}^{-1}$	mg/L													
734	South 24 Paraganas	Jaynagar I	Dhosa	WBST19A	TW Mark II	8.15	983	185	30	27	297	6	Traces	445	365	221	7	61	0.51	629	2.30
735	South 24 Paraganas	Jaynagar I	Jaynagar	WBST150	TW Mark II	8.63	936	190	36	24	195	6	90	336	425	124	5	Traces	0.56	599	0.81
736	South 24 Paraganas	Jaynagar II	Natunhut Bakultala	WBST139	Tube Well	8.14	884	185	38	22	160	7	Traces	348	285	82	5	38	0.19	566	2.40
737	South 24 Paraganas	Kakdwip I	Dholahat	WBST158A	CyInd.TW	8.82	1193	160	30	21	221	5	90	256	360	191	5	Traces	3.15	764	0.15
738	South 24 Paraganas	Kakdwip I	Kakdwip	WBST0129	TW Mark II	8.12	1233	255	40	38	228	6	Traces	397	325	266	4	Traces	0.50	789	0.32
739	South 24 Paraganas	KMC	Barisha	WBST08	Dug Well	8.59	681	275	70	24	49	14	90	116	245	82	28	21	0.25	436	0.10
740	South 24 Paraganas	KMC	Budge-Budge Bazaar	WBST07	Dug Well	8.66	1505	440	96	49	45	32	72	226	305	99	41	46	0.41	963	0.12
741	South 24 Paraganas	KMC	Dhapa	WBST135	Tube Well	7.91	2140	685	122	92	200	7	Traces	305	250	581	3	30	0.15	1370	1.05
742	South 24 Paraganas	Kulpi I	Hatuganj	WBST002B	Dug Well	7.55	4782	725	130	97	739	25	Traces	732	600	1212	26	126	0.21	3060	0.20
743	South 24 Paraganas	Kulpi I	Nishantpur	WBST0133	TW Mark II	8.01	1696	430	86	52	274	8	Traces	366	300	440	5	13	0.80	1085	0.49
744	South 24 Paraganas	Kultali	Jamtalaha	WBST88	TW Mark II	8.14	1051	160	16	29	202	5	Traces	415	340	145	7	10	1.20	673	0.73
745	South 24 Paraganas	Maheshtala	Goracha	WBST95	Dug Well	8.60	527	260	64	24	28	11	78	140	245	43	9	31	1.70	337	0.17
746	South 24 Paraganas	Mandir Bazar	Mandir Bazaar	WBST67	TW Mark II	8.77	1202	215	24	38	212	5	90	275	375	202	4	Traces	0.54	769	0.51
747	South 24 Paraganas	Mathurapur I	Mathurapur	WBST66A	TW Mark II	8.51	1267	250	30	42	218	6	90	232	340	234	6	25	0.20	811	1.07
748	South 24 Paraganas	Mathurapur I	Raidighi	WBST05A	TW Mark II	8.19	1095	100	42	1	231	3	Traces	500	410	142	2	23	0.49	701	Traces
749	South 24 Paraganas	Mathurapur I	Tatuntala	WBST172	TW Mark II	8.72	1547	210	22	38	316	7	102	275	395	294	7	1	0.48	990	0.03
750	South 24 Paraganas	Mathurapur II	Companittheke	WBST127	TW Mark II	8.11	1152	160	42	13	229	6	Traces	476	390	181	6	1	0.90	737	0.01
751	South 24 Paraganas	Namkhana	Bakkhali	WBST099	TW Mark II	8.30	1058	75	16	8	264	17	Traces	610	500	99	6	Traces	0.93	677	9.96
752	South 24 Paraganas	Namkhana	Budhakhali	WBST0153	TW Mark II	8.15	1030	210	32	32	216	5	Traces	403	330	195	3	Traces	0.95	659	0.79
753	South 24 Paraganas	Namkhana	Namkhana	WBST003B	TW Mark II	8.24	896	155	26	22	228	5	Traces	439	360	121	4	52	0.12	574	0.17
754	South 24 Paraganas	Namkhana	Rajnagar	WBST098	Tube Well	8.24	930	155	16	28	229	4	Traces	531	435	92	4	Traces	2.50	595	1.28
755	South 24 Paraganas	Pathar Pratima	Milan More	WBST159	TW Mark II	8.75	1545	230	14	47	272	6	108	256	390	202	5	1	2.00	989	0.40
756	South 24 Paraganas	Sagar	Digambari (Rudranagar)	WBST091	TW Mark II	8.25	785	120	38	6	192	4	Traces	470	385	82	Traces	Traces	0.85	503	0.14
757	South 24 Paraganas	Sagar	Ganga Sagar	WBST0169	TW Mark II	8.31	778	220	24	39	208	4	120	262	415	121	Traces	Traces	0.49	498	0.46
758	South 24 Paraganas	Sagar	Kochuberia Jettyghat	WBST090A	TW Mark II	8.24	732	185	24	30	147	4	Traces	378	310	96	2	Traces	0.41	468	0.24
759	South 24 Paraganas	Sonarpur	Govindapur	WBST118	TW Mark II	8.41	504	310	64	36	35	5	72	214	295	64	2	8	0.27	322	0.17

SN	District	Block	Location	Well ID	Source	pH	EC	TH (as CaCO3)	Ca+2 (as Ca)	Mg+2 (as Mg)	Na	K	CO3	HCO3	Total Alk as CaCO3	Cl	NO3	SO4	F	TDS	Fe
							$\mu\text{S cm}^{-1}$	mg/L													
760	South 24 Paraganas	Sonarpur	Langalberia	WBST32A	TW Mark II	8.53	576	255	36	40	64	5	60	305	350	60	1	1	0.73	369	2.78
761	South 24 Paraganas	Sonarpur	Noabad	WBST57B	TW Mark II	7.70	1128	250	136	22	85	7	Traces	268	220	191	1	20	2.70	722	1.20
762	South 24 Paraganas	Sonarpur	Rajpur	WBST55A	CyInd.TW	8.49	795	365	62	51	97	4	96	250	365	106	4	43	0.54	509	1.19
763	Uttar Dinajpur	Chopra	Chopra	WBUD29A	Tube Well	8.15	90	19	4	2	12	1	Traces	37	30	4	Traces	12	0.12	57	3.48
764	Uttar Dinajpur	Islampur	Gunjaria	WBUD114	Tube Well	8.28	166	56	13	6	14	1	Traces	57	47	27	Traces	Traces	0.53	96	6.80
765	Uttar Dinajpur	Islampur	Madaripur	WBUD73A	Dug Well	8.21	662	106	21	13	107	2	Traces	204	167	22	1	134	1.48	426	0.02
766	Uttar Dinajpur	Itahar	Patirajpur	WBUD66A	Tube Well	7.54	364	133	25	17	26	3	Traces	227	186	6	Traces	Traces	0.46	217	0.12
767	Uttar Dinajpur	Itahar	Sripur (Itahar)	WBUD23A	Tube Well	8.21	601	181	8	39	56	5	Traces	332	272	18	4	Traces	1.12	334	0.27
768	Uttar Dinajpur	Kaliaganj	Baghan	WBUD69A	Tube Well	7.76	213	76	15	9	15	3	Traces	112	91	11	5	Traces	0.67	127	4.26
769	Uttar Dinajpur	Kaliaganj	Dalimgaon	WBUD42	Dug Well	7.81	173	52	10	7	14	4	Traces	48	39	15	2	26	0.07	108	0.68
770	Uttar Dinajpur	Kaliaganj	Dhankol	WBUD111	Tube Well	8.05	212	65	18	5	19	2	Traces	72	59	35	Traces	Traces	1.11	124	3.05
771	Uttar Dinajpur	Raiganj	Subhashganj	WBUD91	Tube Well	7.67	527	222	27	38	18	8	Traces	200	164	48	58	Traces	0.54	319	0.66

# **Section B**

# GROUND WATER YEAR BOOK OF ANDAMAN AND NICOBAR ISLANDS

2019 - 2020

## 1.0 INTRODUCTION

Groundwater monitoring data form an important input for judicial ground water management & development. Yearly two water level measurements during pre- & post- monsoon period in the month of April and November respectively are taken in Andaman & Nicobar Islands. Since Andaman & Nicobar Islands experienced heavy rainfall during the month of November, post monsoon water level is generally taken during the month of December. Till March, 2011 a total of 64 operational network hydrograph stations were monitored in Andaman Group of Islands. During 2012, additional 29 nos. network hydrograph stations have been established. At present, 113 operational network hydrograph stations are monitored in Andaman district (**PLATE-B I**) in various hydrogeological units and agro-climatic zones two times a year, viz. May and November. In Nicobar district, no network hydrograph stations have been established till date. During April-May, 2019 and November, 2019 depth to water level data were collected from 113 ground water monitoring wells.

## 2.0 GENERAL FEATURES

The Andaman and Nicobar Islands (A & N Islands) is one of the Union Territories of India and are situated as a dissected chain in an arcuate fashion oriented N-S in the Bay of Bengal off the Eastern Coast of India. These Islands are extended between 6° to 14° N and 92° to 94° E in between Myanmar and Sumatra (Indonesia) over a distance of 780 km. This Union Territory is divided into two districts, i.e. Andaman and Nicobar. The northern group of Islands forms the Andaman district, is further sub-divided into three parts namely, North Andaman, Middle Andaman and South Andaman. The southern group of islands is separated from the northern group by about 140 km deep sea, the 10° channel, forms the Nicobar district.

## 3.0 TOPOGRAPHY

The islands forming Great Andaman consist of a mass of hills enclosing very narrow valleys, the whole covered by dense tropical jungle. The hills rise, to a considerable elevation, the heights peak being in the North Andaman, Saddle Peak (732m); in the Middle Andaman, Mount Diavolo behind Cuthbert Bay (511m); in the South Andaman, Koiob (459m), Mount Harriet (364m) and the Cholunga range (324m); and in Rutland Island, Ford's Peak (433m). Little Andaman is practically flat. As such there are no rivers, however few perennial streams are present in the islands. Barring a few small Islands in the Nicobar group, all the others have undulating terrain with main ridges running North-South. There are also spurs running East - West in between the main ridges. The submerged valleys form deep inlets and creeks. Flatlands are few and perennial streams

non-existent in most of the Islands except in Great Nicobar where there are 5 perennial rivers. Coral reefs surround most of the islands.

#### **4.0 PHYSIOGRAPHY**

These Islands are in general characterized by undulating and rugged topography. Physiographically these Islands can be subdivided into three main parts

I)	Moderate to steep hill ranges
II)	Intermountain narrow valley
III)	Coastal tracts including swamps

The huge ranges generally covered by dense forest.

#### **5.0 HARBOURS**

Coasts are deeply indented, giving existence to a number of safe harbours, which are often surrounded by mangrove swamps.

#### **6.0 DRAINAGE**

Perennial streams of the status of river is absent in A & N Islands except in Kalpong in the North Andaman. In Great Nicobar, the important perennial streams are Galathea, Jubilee, Dark Anaing, Dark Tayal, AmritKaur.

#### **7.0 SOILS**

Soils of Andaman and Nicobar Islands have been classified into 3 orders, i.e. Entisols, Inceptisols and Alfisols. The main agricultural soils are found in the valleys and have alluvial and colluvial origin. The coastal areas prone to tidal floods may have acid sulphate soils. On the whole, soils of these Islands are nutritionally poor and their organic matter content is on decline.

#### **8.0 CLIMATE**

The climate of Andaman and Nicobar Islands is described as humid Tropical Climate. The Islands are situated in the Hot or Torrid Zone. Nearly 86 percent of total area in these Islands is covered by forest. There are only two seasons viz. Rainy Season and Summer Season and virtually there is no Winter Season. Islands are visited by

South -West and North - East monsoons during the period from May to December. Average annual rainfall in these Islands is 3000 mm. The period from January to May is Summer Season. The mean relative humidity is 79% to 82%. The mean maximum temperature is 30.2°C and mean minimum temperature is 23.8°C.

## **9.0 GEOLOGY**

The Islands are composed mainly of thick Eocene sediments consist of Pre-Tertiary sandstone, siltstone and shale with intrusions of basic and ultra-basic igneous rocks. In the geologically Younger Richie's archipelago, calcareous sand stones are more common.

## **10.0 HYDROGEOLOGY**

The Andaman & Nicobar group of Islands are underlain by Late Cretaceous igneous rocks - the 'Ophiolite Suite', marine sedimentary group of Palaeocene to Oligocene age and Recent to Sub-Recent beach sand, mangrove clay, alluvium and coralline formations. The Ophiolite suite comprises a wide variety of acidic to ultra-basic plutonic rocks and their serpentinised equivalents and essentially basic volcanic rocks occur in South, Middle & North Andaman, in sporadic patches of Little Andaman, Kamorta and Bampooka Islands in Nicobar group. The marine sedimentaries comprise greywakes, graded sandstones, siltstones, black shales and volcanogenic sediments. These fine-grained deep-sea deposits are generally having predominantly clayey particles. The coralline formations are observable in coral islands (atolls) and they also occur in the fringe areas of the sedimentary and igneous formations and form the narrow beaches encircling the islands. The ophiolite and marine sedimentaries have undergone different phases of folding, faulting and upliftment; which is responsible for the development of fractures and fissures, as a result infiltrated rainwater percolates downwards.

Marine sedimentary rocks are located to an anomalous admixture of sand and clay where clayey residue are predominating since clayey product is poor water yielder, these sedimentary rocks, in majority of the cases, do not form potential aquifer system both in shallow and deeper horizons. Bore wells are not feasible in these formations and the yield of dugwells with a diameter of 4.5 to 5m and 6m depth tapping the weathered mantle varies from 3000 to 5000 lpd. Depth to water level in these formations varies from 0.2 to 4.4 mbgl. All the borehole drilled in these formations were unsuccessful except one borehole at Prothrapore, which is yielding brackish water (5500 EC) having discharge 17000 lph.

The igneous rocks also do not form potential aquifers, however in comparison to the sedimentaries they yield moderately. These rocks form aquifer both in weathered mantle and fractured basement rocks which are

generally developed through dug well, ponds and private bore wells. Out of six successful bore wells drilled by CGWB, 5 nos. were constructed in igneous rock. The success may be due to partial clogging of fractures with clayey residue where it is fully sealing the fracture conduits in sedimentaries. The well at Calicut, constructed by CGWB, is now the only supplying well of APWD, A & N Administration. The fracture conduit is conjectured upto 45m depth. The discharge of Calicut well is 45000 lph.

The coralline limestone formations also form potential aquifer. They are distributed at shallow horizon and are developed through dug wells in many islands like Car Nicobar, Katchal, Neil, Havelock etc. Yield of these dugwells (commonly of 5m dia, 6m depth) varies from 15000 to 1 lakh lpd.

Recent studies of CGWB have revealed that the valley-fill alluvial deposits consisting of boulders, pebbles, cobbles, and sand, carry lot of water and saturate the near surface aquifer throughout the year. Hence, such valley-fill deposits form potential aquifers in A & N Islands. CGWB constructed exploratory well at Beadnabad on valley-fill deposit, down to the depth of 17m, yielded 72000 lph water. This also indicated that Artificial Recharge and Conservation program might be successful in those areas. Pilot scale implementations of such structures by CGWB proved it highly successful.

## **11.0 SCENARIO OF DEPTH TO WATER LEVELS IN ANDAMAN DURING GROUND WATER YEAR 2019 – 2020**

### **11.1 May, 2019**

The Depth to water level generally varies, between 0-2m, 2-5m and 5-10m below ground level. Majority of the wells show water level between 0-2 m(76.6%). The minimum water level at 0.07mbgl was recorded at South Andaman and maximum 7.30mbgl at Neil Islands. Depth to water levels mostly in the range of 0-2 mbgl (76.6%) followed by 2-5mbgl (17.1%) and 5-10 mbgl (5.4%). The distribution of network hydrograph stations in different ranges of depth to water level is presented in Table - B1.

### **11.2 November, 2019**

The Depth to water level generally varies between 0-2m, 2-5m and 5-10m below ground level. Out of 113 wells measured, water level in 66 wells varies in the range of 0-2 mbgl , 39 wells in the range of 2-5 m bgl, 4 wells in the range of 5-10 and 1 well in the range 10-20. The minimum water level was at 0.36 bgl and recorded at South Andaman and maximum water level i.e. 10.04mbgl at South Andaman. Depth to water levels mostly in the range of 0-2 m bgl (57.8%) followed by 2-5 m bgl (37.9%) and 5-10 mbgl (1.0%) .The distribution of network



hydrograph stations in different ranges of depth to water level is presented in Table - B2. Depth to water level data of various network stations for the period May, 2019 and November, 2019 is given in Annexure- B I.

## **12.0 FLUCTUATION IN WATER LEVEL IN ANDAMAN DURING GROUND WATER YEAR 2019 – 2020**

The pre-monsoon water levels of April, 2019 have been compared with post-monsoon water levels of November 2019 to delineate the impact of rainfall as well as ground water development on ground water regime in the state during the above period. Fluctuations in water levels for the periods of April 2018 and April 2019, and November 2018 and November 2019 have also been analyzed.

### **12.1 WATER LEVEL FLUCTUATION BETWEEN APRIL 2018 AND APRIL 2019**

The fluctuation in water level between April 2018 and April 2019 indicates the net status of ground water conditions during the previous and current summer periods. Distribution of network hydrograph stations in different ranges of water level fluctuation is presented in **Table – B3**. The total analysed (1110nos.) data of shows that scenario is dominated by fall in water level in the range of 0-2 m (50.0%) and 2-4 m (4.5%). The rise is observed in 43 wells in the range of 0-2 m (39.1%).

### **12.2 WATER LEVEL FLUCTUATION BETWEEN APRIL 2019 AND NOVEMBER 2019**

The seasonal fluctuation in water level for April 2019 compared with November 2019 has been done and distribution of network hydrograph stations in different ranges of water level fluctuation is presented in **Table – B4**. The fluctuation data of November 2019 in comparison with April 2019 shows fall in water level in 89 wells and rise in 21 wells. However, in all cases the rise or fall in water level is restricted within 0-4m.

### **12.3 WATER LEVEL FLUCTUATION BETWEEN NOVEMBER 2018 AND NOVEMBER 2019**

The fluctuation in water level between November 2018 and November 2019 indicates the net status of ground water conditions during the previous and current post-monsoon periods. Distribution of network hydrograph stations in different ranges of water level fluctuation is presented in **Table - B5**. The fluctuation data of November 2018 in comparison with November 2019 shows fall in water level in 94 wells and a rise in only 7 wells. However, in all cases the rise or fall in water level is restricted within 0-4m.

### **12.4 GROUND WATER LEVEL TREND**

The water level trend has been analysed for all measurements, which indicates the net status of ground water conditions during 2009 – 2019 and is presented in **Table - B6**. Out of 113 analysed well, 67 wells show rising trend of water level in the tune of 0.001 to 0.60 m/yr. Rest 45 wells show falling trend of water level in the tune of 0.001 to 0.34 m/yr.

### 13.0 HYDROCHEMISTRY

#### 13.1 GROUNDWATER QUALITY SCENARIO in Andaman & Nicobar Islands (2019-20)

To study the geochemical characteristics of groundwater and to carry out potability analysis for detecting water contamination by harmful chemicals or pathogens in order to take preventive measures for providing the safe drinking water among population; 95 no. representative samples from different locations of entire Andaman & Nicobar Islands have been collected during the month of May 2019, *i.e.* the pre-monsoon season. Analytical result thus obtained on analysis has been studied critically and interpretation made accordingly (**Annexure-B II & B III**)

**Chemical qualities of groundwater samples of Andaman & Nicobar Islands (2019-20) showing the maximum and minimum values vis-à-vis drinking water standards (IS 10500:2012)**

Constituents	A&N Islands			IS 10500:2012		
	Min	Max	Average	Acceptable Limit	Permissible Limit	
pH	6.29	8.07	7.51 ± 0.23	6.5-8.5	6.5-8.5	
EC (µs/cm) 25°C	84	5507	650 ± 610	-	-	
TDS	mg/L (ppm)	54	3524	416 ± 391	500	2000
Carbonate alkalinity as CaCO <sub>3</sub>		Traces	0.00	0.00	-	-
Bicarbonate alkalinity as CaCO <sub>3</sub>		49	604	269 ± 130	-	-
Total alkalinity as CaCO <sub>3</sub>		40	495	221 ± 106	200	600
Chloride		11	1397	75 ± 144	250	1000
Sulphate		Traces	926	76 ± 115	200	400
Nitrate		Traces	29	5 ± 6	45	45
Fluoride		0.03	0.72	0.28 ± 0.21	1	1.5
Calcium (as Ca)		8	132	41 ± 25	75	200
Magnesium (as Mg)		5	137	31 ± 22	30	100
Total Hardness (as CaCO <sub>3</sub> )		50	795	230 ± 117	200	600

<b>Sodium</b>		5	923	70 ± 99	-	-
<b>Potassium</b>		0.1	30.6	3.6 ± 4.3	-	-
<b>Iron</b>		Traces	1.71	0.09 ± 0.25	0.3	0.3

#### Drinking Water Suitability as per the Physicochemical Constituents of Andaman & Nicobar Islands (2019-20)

Constituents		Acceptable Limit	Permissible Limit	No of Samples beyond Acceptable Limit	Percent of Samples beyond Acceptable Limit (%)	No of Samples beyond Permissible Limit	Percent of Samples beyond Permissible Limit (%)
pH	mg/L (ppm)	6.5-8.5	No Relaxation	01	1	01	1
TDS		500	2000	21	22	01	1
Total alkalinity as CaCO <sub>3</sub>		200	600	52	55	01	1
Chloride		250	1000	02	2	01	1
Sulphate		200	400	06	6	02	2
Nitrate		45	No Relaxation	-	-	-	-
Fluoride		1	1.5	-	-	-	-
Total Hardness (as CaCO <sub>3</sub> )		200	600	55	58	02	2
Calcium (as Ca)		75	200	10	11	-	-
Magnesium (as Mg)		30	100	40	42	02	2
Iron		1	No Relaxation	02	2	02	2

#### Hydrogen Ion Concentration (pH)

The groundwater pH of the samples collected from Andaman and Nicobar Islands during AAP 2019 – 20 shows neutral to mildly alkaline in nature with pH value ranged from 6.29 (Mohanpur, North and Middle Andaman) to 8.07 (Kishorinagar, North and Middle Andaman) with an average value of  $7.51 \pm 0.23$ . pH values beyond the permissible limit of 6.5 - 8.5 were found only from one location.

#### Electrical Conductivity (EC) and Total Dissolved Solids (TDS)

The wide range of EC as well as TDS values indicates wide variation in dissolved constituents in groundwater of Andaman & Nicobar Islands. The minimum conductivity value of  $84 \mu\text{S cm}^{-1}$  has been observed at Wrightmayo, South Andaman whereas maximum conductivity value  $5507 \mu\text{S cm}^{-1}$  has been observed at Ograbraj, South Andaman district. As per the salinity hazard classes only one analysed sample was found unsuitable (i.e.  $\text{EC} > 2250 \mu\text{S cm}^{-1}$ ). Only 22% of the analysed sample showed TDS values ranged higher than

Acceptable Limit of 500 mg/L and only one sample having TDS higher than the permissible limit of 2000 mg/L for drinking purpose (BIS: 2012). Samples having TDS value higher than the Acceptable limit are mostly (76%) from South Andaman District only 24% samples are from North and Middle Andaman District.

### **Major Cations**

#### **Calcium, Magnesium**

Two alkaline earth metals Calcium and Magnesium have been analysed. Concentration of  $\text{Ca}^{2+}$  in groundwater varied from 8 to 132 mg/L (Kalapathar of SwarajDweep) and that of  $\text{Mg}^{2+}$  varied from 05 to 137 mg/L (Pahalgaoon of North and Middle Andaman).

#### **Sodium, Potassium**

The concentration of  $\text{Na}^+$  ranges from 5 mg/L at Sitanagar, North and Middle Andaman District to 923 mg/L at Ograbraj, South Andaman district and of  $\text{K}^+$  ranged from 0.1 mg/L at Kodiaghat of South Andaman District to 30.60 mg/L at Ograbraj, South Andaman district.

#### **Hardness of Groundwater**

Calcium and Magnesium, Carbonate and Bicarbonate are the important constituents that give a measure to hardness of groundwater. Total hardness as  $\text{CaCO}_3$  in the groundwater of A&N Islands ranges from 50 to 795 mg/L (Ograbraj, South Andaman district).

The quality of groundwater in terms of Total Hardness as  $\text{CaCO}_3$  has been found as hard (58% of Total analysed samples) to very hard (51% of total analyzed samples). The detail distribution is represented in tabular form below:

#### **Hardness Classification of groundwater of A&N Islands (2019 - 20)**

<b>Water Class</b>	<b>TH as <math>\text{CaCO}_3</math> in mg/L</b>	<b>No. of Samples</b>	<b>% of Samples</b>
<b>Soft</b>	<75	01	01
<b>Moderately Hard</b>	75–150	20	21
<b>Hard</b>	150–300	55	58
<b>Very Hard</b>	>300	19	20

As per BIS (2012), the permissible limit of Hardness in drinking water is 600 mg/l. Only two samples were found to have Total Hardness more than the Permissible Limit.

### **Iron**

In A&N Islands, groundwater Iron content ranged between Traces to 1.71 mg/L detected from Kishorinagar, North and Middle Andaman District. Only 02% of analyzed samples were found to have Fe concentration more than permissible limit of 1.0 mg/L as per BIS (2012).

### **Major Anions**

#### **Chloride**

Chloride content of groundwater in A&N Islands varies from 11 (Porlobjig, North and Middle Andaman) to 1397 mg/L (Ograbraj, South Andaman district). The concentration of Chloride ions in majority of the groundwater samples (98%) has been found to be within the Acceptable limit for drinking purpose (250 mg/L, BIS: 2012). Groundwater with low chloride and sodium contents signifies fresh nature which is in-turn characteristics of being replenished directly from rain water every year.

#### **Carbonate & Bi carbonate**

Carbonate has not been detected from groundwater of A&N Islands and Bicarbonate concentration ranged from 49 to 604 mg/L. The maximum concentration of  $\text{HCO}_3^-$  was found at Long Island of North and Middle Andaman district. Almost 55% of the analysed sample showed Total alkalinity value higher than Acceptable Limit of 200 mg/L and only one sample having value higher than the permissible limit of 600 mg/L for drinking purpose (BIS: 2012).

#### **Sulphate, Nitrate & Fluoride:**

Nitrate concentration of the analysed samples ranged from traces to 29 mg/L. No sample showed  $\text{NO}_3^-$  concentration higher than the permissible limit of 45 mg/L (BIS: 2012).

Concentration of Sulphate ion ranged from traces to 926 mg/L at Ograbraj, South Andaman district. Only 6% of the analysed samples showed higher sulphate concentration than the Acceptable limit of 200 mg/L (BIS: 2012).

Fluoride ion concentration varied from Traces to 0.72 mg/L, detected from Long Island of North and Middle Andaman district with a mean of  $0.28 \pm 0.21$  mg/L. None of the analysed sample showed higher Fluoride concentration than the permissible limit of 1.5 mg/L (BIS: 2012).

### Drinking Water Suitability as per the Heavy Metal Contamination of Andaman & Nicobar Islands (2019-20)

Constituents	A&N Islands		Samples beyond Permissible Limit		IS 10500:2012		
	Min	Max	Number	%	Acceptable Limit	Permissible Limit	
Uranium <sup>#</sup> (as U)	mg/L (ppm)	Traces	0.006	00	00	0.03	No Relaxation
Total Arsenic (as As)		Traces	0.007	00	00	0.01	No Relaxation
Copper (as Cu)		Traces	0.012	00	00	0.05	1.5
Total Chromium (as Cr)		Traces	0.007	00	00	0.05	No Relaxation
Manganese (as Mn)		Traces	1.629	16	17	0.1	0.3
Zinc (as Zn)		Traces	0.194	00	00	5	15
Lead (as Pb)		Traces	0.005	00	00	0.01	No Relaxation

<sup>#</sup> As per WHO provisional guidelines

#### **Heavy Metal:**

Concentration of various Heavy Metals viz. Uranium, Total Arsenic, Copper, Total Chromium, Manganese, Zinc and Lead have been analysed from groundwater of Andaman and Nicobar Islands. Occurrence Ranges of various metals have been furnished in above table. The highest concentration of Uranium was observed at Kalapathar, Havelock Island as 6  $\mu\text{g L}^{-1}$  and that of Total Arsenic was observed at Bharatpur, Neil Island as 7  $\mu\text{g L}^{-1}$ . Highest concentration of Copper, Total Chromium, Zinc and Lead was observed at Krishnanagar, Havelock Island (12  $\mu\text{g L}^{-1}$ ); Burmanala, South Andaman (8  $\mu\text{g L}^{-1}$ ); Milangram, North and Middle Andaman (194  $\mu\text{g L}^{-1}$ ); Stuwartganj, South Andaman (5  $\mu\text{g L}^{-1}$ ) respectively. No sample showed occurrence of any analysed heavy metal higher than their respective permissible limit apart from Manganese. Manganese concentration in groundwater was observed in the range Traces to 1.63  $\text{mg L}^{-1}$  (at Bakultala, North and Middle Andaman). Only 17% of analysed samples were found having Mn concentration above the permissible limit of 0.3  $\text{mg L}^{-1}$ .

#### **Conclusion:**

Mostly no major threat has been identified according to analysed basic parameters **in the shallow aquifers of entire A&N Islands** from drinking water perspective (Drinking water specification: BIS, 2012). Particularly water quality is questionable in respect of high Manganese and Iron concentration at places of the entire islands. Ground water in major part of **A&N Islands** has also been found suitable for use in irrigation, Industry and allied purposes.

**Table - B1**

**District wise Well Frequency for Different Ranges of Depth to Water Level    Month / Year:    Apr-2019**

District	No. of Wells analysed	Depth to Water level (mbgl)		No. / Percentage of Wells Showing Depth to Water Table (mbgl) in the Range of									
		Min	Max	0-2	%	02-05	%	05-10	%	10-20	%	20-40	%
South Andaman	59	0.07	14.12	48	81.4	7	11.9	3	5.1	1	1.7	0	0.0
Ross Island	1	3.39	3.39	0	0.0	1	100.0	0	0.0	0	0.0	0	0.0
North Andaman	16	0.12	4.56	14	87.5	2	12.5	0	0.0	0	0.0	0	0.0
Neil Island	6	2.35	7.30	0	0.0	4	66.7	2	33.3	0	0.0	0	0.0
Middle Andaman	18	-0.17	2.17	16	88.9	2	11.1	0	0.0	0	0.0	0	0.0
Long Island	3	0.54	1.12	3	100.0	0	0.0	0	0.0	0	0.0	0	0.0
Havelock Island	7	0.80	6.25	3	42.9	3	42.9	1	14.3	0	0.0	0	0.0
Total	110			85	76.6	19	17.1	6	5.4	1	0.9	0	0.0

**Table - B2**

**District-wise Well Frequency for Different Ranges of Depth to Water Level Month / Year: Nov-2019**

District	No. of Wells analysed	Depth to Water level (mbgl)		No. / Percentage of Wells Showing Depth to Water Table (mbgl) in the Range of									
		Min	Max	0-2	%	02-05	%	05-10	%	10-20	%	20-40	%
South Andaman	59	0.36	10.04	35	59.3	22	37.3	1	1.7	1	1.7	0	0.0
Ross Island	1	3.21	3.21	0	0.0	1	100.0	0	0.0	0	0.0	0	0.0
North Andaman	16	0.58	4.21	12	75.0	4	25.0	0	0.0	0	0.0	0	0.0
Neil Island	6	3.28	6.04	0	0.0	4	66.7	2	33.3	0	0.0	0	0.0
Middle Andaman	18	0.54	4.00	14	77.8	4	22.2	0	0.0	0	0.0	0	0.0
Long Island	3	1.88	2.74	1	33.3	2	66.7	0	0.0	0	0.0	0	0.0
Havelock Island	7	1.02	5.56	4	57.1	2	28.6	1	14.3	0	0.0		0.0
Total	110			67	57.8	44	37.9	4	3.4	1	0.9	0	0.0



**Table - B3**

**District-wise Categorisation of Water Level Fluctuation (April 18 to April 19)**

District	No. of Wells	No. of Wells/Percentage Showing Fluctuation												Total No. of Wells	
		Fall						Rise						Fall	Rise
		0 - 2	%	02-04	%	>4	%	0 - 2	%	02-04	%	>4	%		
Havelock Island	7	5	71.4	0	0.0	1	14.3	1	14.3	0	0.0	0	0.0	6	1
Long Island	3	0	0.0	0	0.0	0	0.0	3	100.0	0	0.0	0	0.0	0	3
Middle Andaman	18	7	38.9	0	0.0	0	0.0	10	55.6	1	5.6	0	0.0	7	11
Neil Island	6	3	50.0	0	0.0	0	0.0	3	50.0	0	0.0	0	0.0	3	3
North Andaman	16	7	43.8	0	0.0	0	0.0	9	56.3	0	0.0	0	0.0	7	9
Ross Island	1	0	0.0	1	100.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0
South Andaman	59	33	55.9	4	6.8	4	6.8	17	28.8	1	1.7	0	0.0	41	18
Total	110	55	50.0	5	4.5	5	4.5	43	39.1	2	1.8	0	0.0	65	45

**Table - B4**

**District-wise Categorisation of Water Level Fluctuation (April 19- Nov 19)**

District	No. of Wells	No. of Wells/Percentage Showing Fluctuation												Total No. of Wells	
		Fall						Rise						Fall	Rise
		0 -2	%	02- 04	%	>4	%	0 - 2	%	02- 04	%	>4	%		
Havelock Island	7	4	57.1	0	0.0	0	0.0	3	42.9	0	0.0	0	0.0	4	3
Long Island	3	3	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	0
Middle Andaman	18	16	88.9	0	0.0	0	0.0	2	11.1	0	0.0	0	0.0	16	2
Neil Island	6	2	33.3	0	0.0	0	0.0	4	66.7	0	0.0	0	0.0	2	4
North Andaman	16	12	75.0	2	12.5	0	0.0	1	6.3	1	6.3	0	0.0	14	2
Ross Island	1	0	0.0	0	0.0	0	0.0	1	100.0	0	0.0	0	0.0	0	1
South Andaman	58	45	77.6	4	6.9	0	0.0	7	12.1	0	0.0	2	3.4	49	9
Total	109	82	75.5	6	5.5	0	0.0	18	16.4	1	0.9	2	1.8	88	21

**Table – B5**

**District-wise Categorisation of Water Level Fluctuation (Nov 18- Nov 19)**

District	No. of Wells	No. of Wells/Percentage Showing Fluctuation												Total No. of Wells	
		Fall						Rise						Fall	Rise
		0 - 2	%	02- 04	%	>4	%	0 - 2	%	02- 04	%	>4	%		
Havelock Island	6	5	83.3	0	0.0	1	16.7	0	0.0	0	0.0	0	0.0	6	0
Middle Andaman	17	15	88.2	1	5.9	0	0.0	1	5.9	0	0.0	0	0.0	16	1
Neil Island	6	3	50.0	3	50.0	0	0.0	0	0.0	0	0.0	0	0.0	6	0
North Andaman	15	13	86.7	0	0.0	0	0.0	2	13.3	0	0.0	0	0.0	13	2
South Andaman	57	44	77.2	9	15.8	0	0.0	4	7.0	0	0.0	0	0.0	53	4
Total	101	80	79.2	13	12.9	1	1.0	7	6.9	0	0.0	0	0.0	94	7

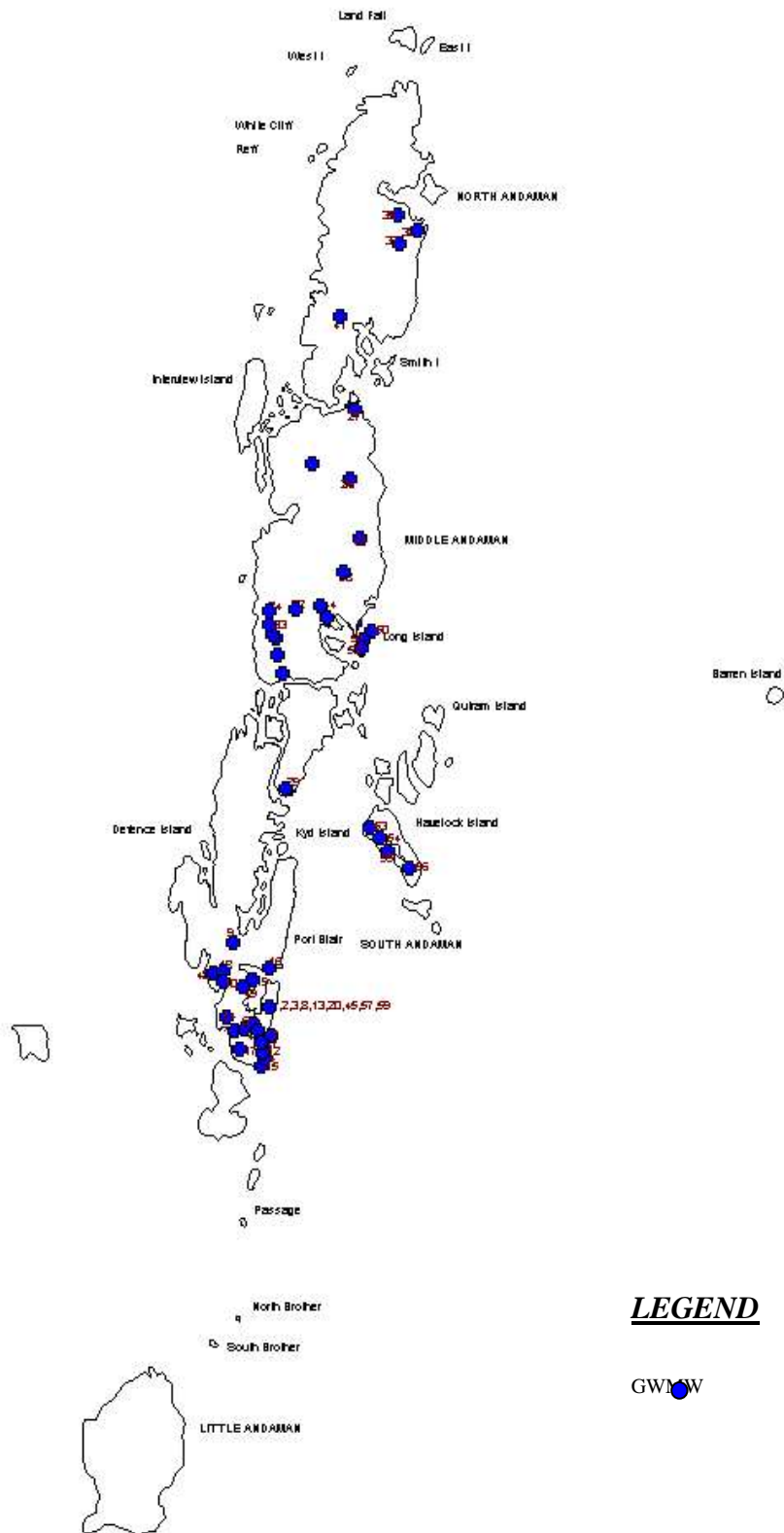
**Table B6**

<b>Water Level Trend (2009-2019)</b>				
<b>Well No</b>	<b>Village</b>	<b>Rise</b>	<b>Fall</b>	<b>Intercept</b>
		<b>(m/yr)</b>	<b>(m/yr)</b>	<b>(01/04/2009)</b>
AN001	Port Blair	0.238	-	3.122
AN002	South Point (Port	-	0.017	0.9
AN003	Corbyn's Cove(Port	-	0.005	1.815
AN004A	Kodiaghat	-	0.017	1.36
AN005	Austinabad (Port Blair)	0.049	-	1.737
AN006	Sippighat	0.042	-	0.948
AN007	Brichganj	0.035	-	1.904
AN008	Shadipur (Port Blair)	0.08	-	1.957
AN009	Wimberleyganj	0.138	-	1.64
AN010	Ograbraj	-	0.065	0.941
AN011	Garacharma	-	0.068	1.097
AN012	Burmanala	0.039	-	2.139
AN013	Brookshabad (Port	-	0.041	1.079
AN014	Hasunatabad	0.024	-	1.243
AN015	Chidiyatapur	-	0.072	0.825
AN016	Bambooflat	0.014	-	0.806
AN017	Calicut	0.009	-	1.359
AN018	Saitankhari	-	0.008	1.328
AN019	Dandas Point	0.15	-	5.863
AN020	Junglighat ( VIP Road	0.131	-	1.557
AN021	Rangat	0.101	-	1.588
AN022	Bakultala	0.071	-	1.703
AN023	Nimbutala	-	0.035	0.967
AN024	Kausalyanagar	-	0.008	1.075
AN025	Padmanavapuram	-	0.092	2.372
AN026	Rest Camp	0.032	-	1.393
AN027	Mayabunder	-	0.032	0.144
AN028	Gupta Para	0.001	-	2.106
AN029	Baratang (Nilambur)	-	0.004	0.996
AN030	Uttara	-	0.024	0.605
AN031	Kadamtala	-	0.021	0.636
AN032	Porlobjig - 15	-	0.005	2.032
AN033	Tikadera	-	0.025	2.304
AN034	Mohanpur	-	0.012	1.876
AN035	On ATR After	0.003	-	1.684
AN036	Nabagram	-	0.006	1.014
AN037	Sitanagar	-	0.007	1.181
AN038	Durgapur	0.032	-	0.927
AN039	Laxmipur	-	0.049	0.944
AN040	Subhasgram	0.018	-	1.177
AN041	Haribeck	0.03	-	1.343
AN042	Tugapur No. 8	0.02	-	1.159
AN043	Basantipur	0.015	-	1.504
AN044	Parnashala	-	0.058	0.606
AN045	Marina Park	-	0.019	0.755
AN046	Calicut Borewell	-	0.033	6.688
AN047	BeadnabadTubewell	-	0.13	4.236
AN048	Annikat	-	0.007	1.615

AN049	Namunagar	-	0.03	0.919
AN050	Long Island	-	0.065	1.196
AN051	Long Island (Forest	-	0.067	2.2
AN052	Long Island (Sec.	-	0.075	1.38
AN053	GovindanagarVill No -	0.035	-	1.74
AN054	GovindanagarVill No -	-	0.042	1.337
AN055	Dolphin YatriNivas	-	0.001	1.619
AN056	Radhanagar	0.036	-	1.416
AN057	Port Blair (Dobhi Well)	-	0.034	1.444
AN058	Swadeshnagar	-	0.011	1.251
AN059	Light House	-	0.064	0.771
AN060	Bharatpur - 1	0.047	-	2.961
AN061	Bharatpur - 2	0.047	-	3.013
AN062	Sitanagar	-	0.009	2.893
AN063	Laxmanpur	0.016	-	1.842
AN065	Rangachang	0.15	-	2.441
AN066	Teylarabad	0.182	-	2.797
AN067	New Bimlinton	-	0.036	1.003
AN068	Dhannikhari	0.008	-	1.015
AN069	Chouldari	0.066	-	2.09
AN070	Port Mout	0.044	-	1.863
AN071	Tushnabad	0.035	-	1.617
AN072	Herbertabad	-	0.001	1.204
AN073	Tirur	-	0.083	0.579
AN074	Ferrarganj	0.047	-	1.51
AN075	Bindraban	0.127	-	2.51
AN076	MannarGhat	-	0.078	0.874
AN077	Wrightmyo	0.129	-	2.526
AN078	Shoal Bay - 8 No.	0.077	-	1.396
AN079	Shoal Bay - 12 No.	-	0.047	0.321
AN080	Shoal Bay - 15 No.	0.048	-	0.704
AN081	Knoppuram	0.03	-	0.811
AN082	Stuwartganj	0.097	-	1.567
AN083	Mile Tilak	0.046	-	1.373
AN084	Hope Town (Marmon	0.05	-	1.789
AN085	Mithakhari	0.027	-	1.11
AN086	Nayasahar	0.092	-	1.717
AN087	Manglutan	0.117	-	2.377
AN088	Manjeri	0.083	-	2.225
AN089	Mamyo	0.034	-	1.788
AN090	Wandur	0.059	-	1.502
AN091	DollyganjChawk	-	0.042	1.1
AN092	Lamba Line	0.002	-	0.609
AN093	Haddo	-	0.036	0.78
AN094	Mount Harriyat	0.503	-	8.287
AN095	South Creek	0.315	-	3.83
AN096	PhooltalaBasti	0.178	-	3.239
AN097	Kishorinagar	0.273	-	4.24
AN098	Milangram	0.165	-	2.93
AN099	Shibpur	0.215	-	2.883
AN100	Keralapuram	0.044	-	2.826
AN101	Webi (Debipur)	0.607	-	7.715

AN102	Pahalgaon	0.029	-	2.179
AN103	Joypur	0.058	-	1.377
AN104	Betapur	0.12	-	2.19
AN105	Havelock Island Jetty	0.009	-	2.268
AN106	Vijaynagar	0.33	-	5.117
AN107	Kalapathar	0.157	-	3.138
AN108	6½ No. Forest Camp	0.325	-	6.191
AN109	Krishnanagar	0.287	-	3.881
AN110	Neil Kendra	0.218	-	6.624
AN111	Pearl Park Resort	-	0.34	2.394
AN112	Ramnagar	0.363	-	5.128

**Plate B I**  
**LOCATION OF GWMW IN A&NISLANDS**



## Annexure - B I

## Depth to water Level Data during the Ground Water Year 2019-2020 of GWMW in Andaman

Well No	District / Island	Locality	Well Type	M.P.	Depth	Well Dia	Water Level (in mbgl)	
							Apr-19	Nov-19
AN001	South Andaman	Port Blair	DW	0.67	10.56	3.17	0.38	0.36
AN002	South Andaman	South Point (Port Blair)	DW	0.49	5.85	1.03		
AN003	South Andaman	Corbyn's Cove(Port Blair)	DW	0.68	4.4	2.46	2.21	2.47
AN004A	South Andaman	Kodiaghat	DW	1	4.37	1.92	1.51	1.60
AN005	South Andaman	Austinabad (Port Blair)	DW	0.67	5.5	2.03	0.45	1.45
AN006	South Andaman	Sippighat	DW	0.85	3.84	2.9	0.57	0.79
AN007	South Andaman	Brichganj	DW	0.55	-	-	1.83	1.91
AN008	South Andaman	Shadipur (Port Blair)	DW	0.6	7.57	1.85	1.20	0.42
AN009	South Andaman	Wimberleyganj	DW	0.8	-	-	0.65	0.89
AN010	South Andaman	Ograbraj	DW	1.04	5.5	1.95	0.57	0.72
AN011	South Andaman	Garacharma	DW	0.92	-	-	1.55	1.84
AN012	South Andaman	Burmanala	DW	0.4	5.64	1.31	1.42	2.40
AN013	South Andaman	Brookshabad (Port Blair)	DW	0.4	2.6	2.7	0.75	0.44
AN014	South Andaman	Hasunatabad	DW	1.22	4.8	2.01		1.10
AN015	South Andaman	Chidiyatapur	DW	0.45	5.55	1.45	0.59	2.95
AN016	South Andaman	Bambooflat	DW	0.65	-	-	0.53	0.91
AN017	South Andaman	Calicut	DW	0.58	3.2	2.46	0.49	2.68
AN018	South Andaman	Saitankhari	DW	0.6	5.15	1.54	1.28	1.61
AN019	South Andaman	Dandas Point	DW	0.85	9.63	1.85	5.22	5.96
AN020	South Andaman	Junglighat ( VIP Road )	DW	0.88	4.5	1.5	0.44	0.46
AN021	Middle Andaman	Rangat	DW	0.85	5.5	1.53	0.50	0.85
AN022	Middle Andaman	Bakultala	DW	0.49	5.99	1.51	0.21	1.01
AN023	Middle Andaman	Nimbutala	DW	0.71	4.48	1.53	0.47	1.81
AN024	Middle Andaman	Kausalyanagar	DW	1.74	6.36	1.56	0.67	0.54
AN025	Middle Andaman	Padmanavapuram	DW	1.41	6.96	1.71	2.05	4.00
AN026	North Andaman	Rest Camp	DW	0.57	6.86	0.95	0.28	2.14
AN027	North Andaman	Mayabunder	DW	1.27	8.56	1.95	0.47	1.62
AN028	South Andaman	Gupta Para	DW	0.92	6.54	4.96	2.56	3.32
AN029	Middle Andaman	Baratang (Nilambur)	DW	0.66	6.6	3.05	0.49	0.69
AN030	Middle Andaman	Uttara	DW	0.81	4.1	1.5	0.21	1.05
AN031	Middle Andaman	Kadamtala	DW	0.62	4.11	2.79	1.48	1.88
AN032	Middle Andaman	Porlobjig - 15	DW	0.74	5.77	1.56	1.69	2.08
AN033	Middle Andaman	Tikadera	DW	1.08	7.5	2.83	2.17	2.56
AN034	North Andaman	Mohanpur	DW	0.95	5.6	2	2.55	1.09
AN035	North Andaman	On ATR After Mohanpur	DW	0.96	5.29	1.98	1.24	1.69
AN036	North Andaman	Nabagram	DW	0.88	4.5	1.57	0.22	1.00
AN037	North Andaman	Sitanagar	DW	0.78	4.21	1.98	0.32	1.17
AN038	North Andaman	Durgapur	DW	0.97	3.57	2.12	0.49	1.31
AN039	North Andaman	Laxmipur	DW	0.95	4.92	2	0.12	1.47
AN040	North Andaman	Subhasgram	DW	1.37	6.94	2	0.15	1.43
AN041	North Andaman	Haribeck	DW	1.49	4.93	1.97	0.49	0.58
AN042	North Andaman	Tugapur No. 8	DW	1.01	5.3	1.39	0.12	2.06
AN043	North Andaman	Basantipur	DW	1.04	5.6	1.52	0.28	3.11
AN044	Middle Andaman	Parnashala	DW	1.32	5.5	1.57	0.04	1.13
AN045	South Andaman	Marina Park	DW	0.56	3.3	1.06	0.98	1.64
AN046	South Andaman	Calicut Borewell	Bore Well	0.36	-	-	9.10	10.04
AN047	South Andaman	BeadnabadTubewell	TW	0.64	-	-	14.12	3.04
AN048	South Andaman	Annikat	DW	0.57	3.59	2.34	1.60	1.87
AN049	South Andaman	Namunagar	DW	0.24	6	1.54	0.31	1.60
AN050	Long Island	Long Island	DW	0.76	3.85	1.82	0.54	1.88
AN051	Long Island	Long Island (Forest Area)	DW	0.84	10.8	1	0.57	2.22
AN052	Long Island	Long Island (Sec. School)	DW	0.6	3.87	1.54	1.12	2.74
AN053	Havelock Island	GovindanagarVill No	DW	0.83	4.07	0.9	1.92	2.43



Well No	District / Island	Locality	Well Type	M.P.	Depth	Well Dia	Water Level (in mbgl)	
		- 1						
AN054	Havelock Island	GovindanagarVill No - 3	DW	1.55	6.41	1.84	2.75	1.96
AN055	Havelock Island	Dolphin YatriNivas	DW	1.23	3.87	2.52	2.05	1.72
AN056	Havelock Island	Radhanagar	DW	0.9	4.78	0.87	0.80	1.02
AN057	South Andaman	Port Blair (Dobhi Well)	DW	0.61	3.85	2.34	1.15	2.07
AN058	Middle Andaman	Swadeshnagar	DW	0.81	5.49	0.8	-0.17	1.61
AN059	South Andaman	Light House	DW	0.25	4.74	3.17	1.20	1.05
AN060	Neil Island	Bharatpur - 1	DW	0.9	6	2	4.15	3.37
AN061	Neil Island	Bharatpur - 2	DW	0.5	3.9	1.2	3.27	4.02
AN062	Neil Island	Sitanagar	DW	1.06	5.4	1.24	3.52	3.41
AN063	Neil Island	Laxmanpur	DW	1.05	4.37	0.82	2.35	3.28
AN064	Ross Island	Ross Island	DW	1	6	1.65	3.39	3.21
AN065	South Andaman	Rangachang	DW	0.92	5.33	2.35	3.58	
AN066	South Andaman	Teylarabad	DW	0.81	4.81	2.53	0.99	1.39
AN067	South Andaman	New Bimlinton	DW	0.8	3.98	2	2.16	2.79
AN068	South Andaman	Dhannikhari	DW	0.76	3.41	1.46	2.68	1.06
AN069	South Andaman	Chouldari	DW	0.87	3.39	2.49	1.30	2.20
AN070	South Andaman	Port Mout	DW	0.98	4.9	2	1.35	1.75
AN071	South Andaman	Tushnabad	DW	0.75	5.28	2.51	2.63	1.45
AN072	South Andaman	Herbertabad	DW	0.82	5.66	2.55	1.55	2.13
AN073	South Andaman	Tirur	DW	0.91	2.57	1.98	1.19	2.00
AN074	South Andaman	Ferrarganj	DW	0.66	5.16	2.58	0.52	1.66
AN075	South Andaman	Bindraban	DW	0.84	4.98	1.91	1.26	1.82
AN076	South Andaman	MannarGhat	DW	0.84	5.02	2.03	1.70	1.78
AN077	South Andaman	Wrightmyo	DW	0.91	4.8	2	1.94	3.92
AN078	South Andaman	Shoal Bay - 8 No.	DW	0.83	3.52	2.51	0.80	1.80
AN079	South Andaman	Shoal Bay - 12 No.	DW	0.97	4.35	2.31	1.35	3.20
AN080	South Andaman	Shoal Bay - 15 No.	DW	0.75	3.35	1.5	0.26	0.50
AN081	South Andaman	Knoppuram	DW	0.98	5.11	1.94	0.07	0.93
AN082	South Andaman	Stewartganj	DW	0.75	3.83	1.86	0.34	0.90
AN083	South Andaman	Mile Tilak	DW	0.7	-	-	0.84	2.08
AN084	South Andaman	Hope Town (Marmon Temple)	DW	0.91	4.31	1.96	1.92	2.94
AN085	South Andaman	Mithakhari	DW	0.84	3.29	2.35	1.25	3.86
AN086	South Andaman	Nayasahar	DW	0.91	5.44	2	0.94	1.73
AN087	South Andaman	Manglutan	DW	0.86	4.7	1.48	1.28	1.55
AN088	South Andaman	Manjeri	DW	0.95	5.31	2.51	1.45	3.86
AN089	South Andaman	Mamyo	DW	0.71	4.27	2.03	1.87	2.32
AN090	South Andaman	Wandur	DW	0.65	3.91	2	0.63	2.29
AN091	South Andaman	DollyganjChawk	DW	0.52	4.83	2.52	1.20	1.78
AN092	South Andaman	Lamba Line	DW	0.74	4.47	1.3	0.52	0.78
AN093	South Andaman	Haddo	DW	0.78	3.71	1.23	1.07	1.63
AN094	South Andaman	Mount Harriyat	DW	0.4	-	-	8.00	3.07
AN095	Middle Andaman	South creek	DW	1	-	-	0.58	1.56
AN096	Middle Andaman	Phootalabasti	DW	0.9	-	-	1.75	1.50
AN097	Middle Andaman	Kishorinagar	DW	0.7	-	-	1.31	1.96
AN098	North Andaman	Milangram	DW	0.7	-	-	0.49	0.94
AN099	North Andaman	Shibpur	DW	0.9	-	-	0.24	1.38
AN100	North Andaman	Keralapuram	DW	0.9	-	-	1.39	0.87
AN101	North Andaman	Webi	DW	0.7	-	-	4.56	4.26
AN102	Middle Andaman	Pahalgoan	DW	0.8	-	-	1.43	2.41
AN103	Middle Andaman	Joypur	DW	0.8	-	-	0.88	0.97
AN104	Middle Andaman	Betapur	DW	0.8	-	-	0.18	1.27
AN105	Havelock Island	Havelock is jetty	DW	0.7	-	-	2.80	3.10
AN106	Havelock Island	Vijaynagar	DW	0.8	-	-	1.11	1.33
AN107	Havelock Island	Kalapathar	DW	0.6	-	-	0.81	2.55
AN108	Havelock Island	Forest camp	DW	0.7	-	-	6.25	5.56
AN109	Havelock Island	Krishnanagar	DW	0.6	-	-	0.48	2.07
AN110	Neil Island	Neil kendra	DW	0.8	-	-	6.75	5.07
AN111	Neil Island	Pearl park resort	DW	0.4	-	-	7.30	6.04
AN112	Neil Island	Ramnagar	DW	0.8	-	-	3.75	2.47

## Distribution of Physico-Chemical Constituents in Groundwater of Andaman &amp; Nicobar Islands (2019-20)

Sl. no.	Well ID	Location	Block	Source	pH	EC	TH	Ca	Mg	Na	K	CO3	HCO3	Total Alk as CaCO3	Cl	NO3	SO4	F	TDS	Fe
1	AN001	Portblair	South Andaman	Dug Well	7.22	635	210	76	5	87	8.2	BDL	207	170	96	29	137	0.52	406	0.02
2	AN003	Corbyn's Cove (port Blair)	South Andaman	Dug Well	7.32	1166	390	118	23	92	1.8	BDL	403	330	149	2	207	0.44	746	0.07
3	AN004A	Kodiaghat	South Andaman	Dug Well	7.63	254	125	26	15	76	0.1	BDL	183	150	60	1	9	0.37	162	BDL
4	AN005	Austinabad (port Blair)	South Andaman	Dug Well	7.44	212	90	22	8	60	1.2	BDL	104	85	57	BDL	14	0.26	135	BDL
5	AN007	Brichganj	South Andaman	Dug Well	7.29	296	175	32	23	7	0.2	BDL	153	125	32	1	5	0.30	189	BDL
6	AN008	Saidpur(port Blair)	South Andaman	Dug Well	7.24	498	125	26	15	81	1.6	BDL	214	175	46	25	80	0.59	318	0.03
7	AN010	Ograbraj	South Andaman	Dug Well	7.11	5507	795	110	126	923	30.6	BDL	537	440	1397	7	926	0.54	3524	0.01
8	AN012	Burmanala	South Andaman	Dug Well	7.85	370	180	40	19	156	0.4	BDL	183	150	99	4	136	0.33	237	0.09
9	AN013	Brookshabad ( Port Blair)	South Andaman	Dug Well	7.85	649	335	58	46	23	0.3	BDL	384	315	71	1	40	0.46	415	BDL
10	AN015	Chidiyatapu	South Andaman	Dug Well	7.57	651	320	32	58	34	0.4	BDL	390	320	39	BDL	17	0.44	417	BDL
11	AN016	Bamboo flat	South Andaman	Dug Well	7.47	579	195	44	21	75	1.7	BDL	336	275	53	4	BDL	0.68	370	0.04
12	AN017	Calicut	South Andaman	Dug Well	7.57	574	315	48	47	21	0.2	BDL	348	285	21	BDL	11	0.49	368	0.01
13	AN018	Saitankhari	South Andaman	Dug Well	7.51	494	135	32	13	126	2.6	BDL	201	165	103	2	96	0.41	316	0.03
14	AN019	Dandaspoint	South Andaman	Dug Well	7.61	294	155	34	17	46	2.7	BDL	153	125	64	4	23	0.42	188	BDL
15	AN020	Junglighat ( V I P Road )	South Andaman	Dug Well	7.49	284	145	8	30	30	1.0	BDL	116	95	71	BDL	23	0.40	182	0.04
16	AN021	Rangat	N&M Andaman	Dug Well	7.45	591	300	28	56	30	0.9	BDL	384	315	32	1	17	0.48	378	0.03
17	AN022	Bakultala	N&M Andaman	Dug Well	7.42	437	240	52	27	20	1.3	BDL	226	185	28	1	48	0.48	280	BDL
18	AN023	Nimbutala	N&M Andaman	Dug Well	7.43	592	275	46	39	46	4.3	BDL	415	340	35	9	16	0.55	379	0.06
19	AN025	Padmanavapuram	N&M Andaman	Dug Well	7.41	585	235	52	25	43	1.2	BDL	323	265	57	14	17	0.70	374	0.01
20	AN027	Dhobidera (Mayabunder)	N&M Andaman	Dug Well	7.32	856	310	46	47	80	2.2	BDL	470	385	46	3	3	0.57	548	0.02
21	AN028	Gupta Para	South Andaman	Dug Well	7.50	150	50	12	5	20	7.3	BDL	85	70	14	BDL	18	0.34	96	BDL
22	AN029	Baratang (Nilambur)	N&M Andaman	Dug Well	7.16	528	225	28	38	44	0.6	BDL	293	240	25	3	98	0.45	338	BDL
23	AN031	Kadamtala	N&M Andaman	Dug Well	7.31	661	275	46	39	60	0.9	BDL	403	330	28	BDL	87	0.60	423	BDL

Sl. no.	Well ID	Location	Block	Source	pH	EC	TH	Ca	Mg	Na	K	CO3	HCO3	Total Alk as CaCO3	Cl	NO3	SO4	F	TDS	Fe
24	AN032	Porlobjig-15	N&M Andaman	Dug Well	7.58	259	100	28	7	13	1.3	BDL	165	135	11	BDL	17	0.40	166	0.06
25	AN033	Tikadera	N&M Andaman	Dug Well	7.61	222	75	18	7	21	1.5	BDL	92	75	25	14	19	0.34	142	0.02
26	AN034	Mohanpur	N&M Andaman	Dug Well	6.29	738	145	32	16	80	7.5	BDL	49	40	47	22	275	0.24	472	0.36
27	AN035	Srinagar	N&M Andaman	Dug Well	7.23	401	125	28	13	89	2.2	BDL	189	155	35	19	122	0.37	257	0.36
28	AN036	Nabagram	N&M Andaman	Dug Well	7.40	299	150	14	28	77	1.2	BDL	189	155	21	4	131	0.41	191	0.64
29	AN037	Sitanagar	N&M Andaman	Dug Well	7.37	370	190	22	33	5	0.6	BDL	207	170	25	5	43	0.38	237	0.03
30	AN038	Durgapur	N&M Andaman	Dug Well	7.33	390	150	18	25	50	0.9	BDL	159	130	39	4	112	0.37	249	0.03
31	AN039	Laxmipur	N&M Andaman	Dug Well	7.61	1107	270	40	41	152	6.6	BDL	268	220	25	4	481	0.57	708	0.42
32	AN040	Subhasgram	N&M Andaman	Dug Well	7.54	531	245	34	39	56	1.8	BDL	275	225	28	16	147	0.37	340	0.02
33	AN042	Tugapur No. 8	N&M Andaman	Dug Well	7.61	242	125	18	7	46	2.5	BDL	61	50	25	12	72	0.32	155	0.32
34	AN043	Basantipur	N&M Andaman	Dug Well	7.56	396	180	26	28	31	1.8	BDL	177	145	25	1	81	0.38	253	0.01
35	AN044	Parnashala	N&M Andaman	Dug Well	7.48	657	300	18	62	28	2.1	BDL	268	220	28	4	166	0.39	420	BDL
36	AN045	Marina Park	South Andaman	Dug Well	7.57	520	220	22	40	31	2.3	BDL	317	260	39	6	21	0.44	333	0.06
37	AN048	Annikat	South Andaman	Dug Well	7.52	468	205	16	40	33	0.4	BDL	232	190	50	2	37	0.36	300	0.05
38	AN049	Namunagar	South Andaman	Dug Well	7.50	455	190	34	25	43	1.9	BDL	244	200	43	7	37	0.37	291	0.01
39	AN050	Long Island	Long Island	Dug Well	7.52	634	240	44	32	90	1.1	BDL	336	275	43	7	49	0.43	406	0.27
40	AN051	Long Island (forest Area)	Long Island	Dug Well	7.47	1064	385	46	66	96	10.5	BDL	604	495	28	21	180	0.72	681	BDL
41	AN052	Long Island (secondary school)	Long Island	Dug Well	7.57	605	275	30	49	45	2.5	BDL	360	295	35	11	50	0.47	387	0.19
42	AN053	GovindanagarVill No - 1	Havelock	Dug Well	7.41	976	265	26	49	89	4.6	BDL	390	320	78	2	151	0.67	625	0.01
43	AN054	GovindanagarVII No - 3	Havelock	Dug Well	7.52	735	205	52	18	75	2.0	BDL	415	340	35	BDL	72	0.64	470	BDL
44	AN055	Dolphin YatriNivas	Havelock	Dug Well	7.54	678	240	24	44	32	4.6	BDL	372	305	35	BDL	39	0.64	434	BDL
45	AN056	Radhanagar	Havelock	Dug Well	7.39	961	255	28	45	103	6.8	BDL	567	465	53	1	16	0.67	615	0.01
46	AN057	Port Blair ( Dobhi Well)	South Andaman	Dug Well	7.13	1865	150	12	29	146	1.0	BDL	427	350	85	2	93	0.71	1194	0.04
47	AN058	Swadeshnagar	N&M Andaman	Dug Well	7.09	781	140	28	17	35	1.4	BDL	153	125	21	3	32	0.20	500	BDL
48	AN059	Light House	South Andaman	Dug Well	7.50	940	135	10	27	144	20.3	BDL	531	435	86	2	30	0.27	601	0.01

Sl. no.	Well ID	Location	Block	Source	pH	EC	TH	Ca	Mg	Na	K	CO3	HCO3	Total Alk as CaCO3	Cl	NO3	SO4	F	TDS	Fe
49	AN060	Bharatpur	Neil Island	Dug Well	7.25	728	145	50	5	99	7.4	BDL	366	300	92	BDL	8	0.07	466	0.01
50	AN061	Bharatpur	Neil Island	Dug Well	7.53	834	115	30	10	127	4.6	BDL	476	390	71	BDL	BDL	0.10	534	0.50
51	AN062	Sitapur	Neil Island	Dug Well	7.57	444	190	30	28	86	5.8	BDL	287	235	46	1	10	0.09	284	0.01
52	AN064	Ross Island	Ross	Dug Well	7.59	523	195	34	27	57	2.9	BDL	311	255	46	1	39	0.07	335	BDL
53	AN066	Teylarabad	South Andaman	Dug Well	7.58	521	210	56	17	157	3.2	BDL	366	300	124	7	131	0.07	333	BDL
54	AN067	New Bimliton	South Andaman	Dug Well	7.44	852	185	20	33	145	0.5	BDL	275	225	78	1	51	0.08	545	0.01
55	AN068	Dhannikhari	South Andaman	Dug Well	7.73	316	190	30	28	13	0.3	BDL	153	125	71	BDL	51	0.13	202	0.03
56	AN069	Chouldari 1	South Andaman	Dug Well	7.60	740	410	14	91	13	0.3	BDL	500	410	82	9	BDL	0.46	474	BDL
57	AN070	Port Mout	South Andaman	Dug Well	7.63	533	225	36	33	10	4.7	BDL	293	240	39	3	BDL	0.09	341	BDL
58	AN071	Tushnabad	South Andaman	Dug Well	7.60	1738	390	26	79	254	6.3	BDL	519	425	174	4	86	0.52	1112	0.44
59	AN073	Tirur	South Andaman	Dug Well	7.90	91	210	56	17	7	1.4	BDL	73	60	60	1	51	0.03	58	0.01
60	AN074	Ferrarganj	South Andaman	Dug Well	7.77	776	170	54	8	76	2.9	BDL	262	215	128	2	BDL	0.08	496	0.02
61	AN075	Bindraban	South Andaman	Dug Well	7.44	387	190	30	28	28	2.0	BDL	177	145	71	2	BDL	0.10	248	BDL
62	AN076	Mannarghat	South Andaman	Dug Well	7.46	786	225	36	33	56	8.7	BDL	250	205	39	1	22	0.05	503	0.01
63	AN077	Wrightmyo	South Andaman	Dug Well	7.91	84	75	20	6	42	0.5	BDL	61	50	57	2	BDL	0.04	54	1.34
64	AN078	Shoal Bay – 8 No.	South Andaman	Dug Well	7.56	166	100	20	12	9	1.7	BDL	79	65	21	4	32	0.04	106	0.02
65	AN080	Shoal Bay– 15 No.	South Andaman	Dug Well	7.47	269	125	12	23	46	4.8	BDL	153	125	46	BDL	83	0.10	172	0.04
66	AN081	Knoppuram	South Andaman	Dug Well	7.31	753	115	22	15	39	2.9	BDL	183	150	35	9	52	0.17	482	0.03
67	AN082	Stuwartganj	South Andaman	Dug Well	7.37	1064	320	62	40	73	5.7	BDL	415	340	60	4	57	0.19	681	0.20
68	AN083	Mile Tilak	South Andaman	Dug Well	7.51	262	190	20	34	13	4.0	BDL	116	95	18	3	87	0.05	168	0.02
69	AN084	Hope Town (Maremon Temple)	South Andaman	Dug Well	7.93	911	335	66	41	59	5.8	BDL	305	250	67	4	51	0.09	583	0.06
70	AN063	Laxamanpur	Neil Island	Dug Well	7.48	1487	340	100	22	121	13.7	BDL	397	325	174	8	148	0.14	952	0.03
71	AN086	Nayashahar	South Andaman	Dug Well	8.04	211	225	36	33	45	1.0	BDL	110	90	35	2	207	0.05	135	0.01
72	AN087	Manglutan	South Andaman	Dug Well	7.75	274	100	30	6	26	2.1	BDL	128	105	35	1	36	0.06	176	0.05
73	AN088	Manjeri	South Andaman	Dug Well	7.54	523	120	18	18	77	4.9	BDL	98	80	89	4	46	0.05	335	0.03
74	AN089	Mamyo	South Andaman	Dug Well	7.73	243	285	16	59	27	1.2	BDL	104	85	71	BDL	83	0.08	156	0.04
75	AN090	Wandur – 2	South Andaman	Dug Well	7.40	1740	350	98	25	175	6.6	BDL	360	295	312	6	34	0.13	1114	0.04

Sl. no.	Well ID	Location	Block	Source	pH	EC	TH	Ca	Mg	Na	K	CO3	HCO3	Total Alk as CaCO3	Cl	NO3	SO4	F	TDS	Fe
76	AN091	DollyganjChowk (Old Pahalgaon)	South Andaman	Dug Well	7.69	688	225	40	30	68	3.3	BDL	281	230	53	5	80	0.10	440	0.02
77	AN092	Lamba Line	South Andaman	Dug Well	7.81	395	250	34	40	46	3.7	BDL	146	120	64	1	78	0.13	253	BDL
78	AN093	Haddo – 2	South Andaman	Dug Well	7.67	632	285	74	24	41	7.3	BDL	317	260	43	7	54	0.09	404	0.02
79	AN094	Mount Harriyat	South Andaman	Dug Well	7.94	173	245	22	46	59	1.5	BDL	122	100	18	2	332	0.05	111	BDL
80	AN095	South Creek (Sundergarh)	N&M Andaman	Dug Well	7.55	779	250	74	16	70	1.4	BDL	275	225	43	7	125	0.06	498	0.01
81	AN096	PhootalaBasti	N&M Andaman	Dug Well	7.62	564	240	52	27	52	8.7	BDL	195	160	57	4	60	0.09	361	0.10
82	AN097	Kishorinagar (Parangara)	N&M Andaman	Dug Well	8.07	88	125	16	21	7	1.8	BDL	92	75	18	7	57	0.04	56	1.71
83	AN098	Milangram	N&M Andaman	Dug Well	7.60	329	150	22	23	48	2.3	BDL	153	125	46	2	20	0.11	210	0.02
84	AN100	Keralapuram	N&M Andaman	Dug Well	7.63	510	190	38	23	53	1.9	BDL	232	190	39	2	44	0.09	327	BDL
85	AN101	Webi (Debipur)	N&M Andaman	Dug Well	7.67	502	265	36	42	70	5.4	BDL	244	200	89	7	11	0.14	321	0.02
86	AN102	Pahalgaon	N&M Andaman	Dug Well	7.22	851	765	80	137	20	1.0	BDL	336	275	152	15	117	0.11	544	BDL
87	AN103	Joypur	N&M Andaman	Dug Well	7.86	403	225	26	39	42	0.9	BDL	275	225	53	5	38	0.12	258	0.02
88	AN104	Betapur	N&M Andaman	Dug Well	7.46	392	290	58	35	12	1.1	BDL	275	225	53	BDL	47	0.09	251	0.02
89	AN105	Havelock Island Jetty	Havelock	Dug Well	7.38	772	435	80	57	66	10.1	BDL	299	245	135	8	62	0.11	494	BDL
90	AN107	Kalapathar	Havelock	Dug Well	7.33	1095	390	132	15	80	3.5	BDL	494	405	124	4	45	0.11	701	0.02
91	AN109	Krishnanagar	Havelock	Dug Well	7.61	353	170	60	5	66	4.1	BDL	220	180	64	6	42	0.09	226	0.37
92	AN110	Neil Kendra	Neil Island	Dug Well	7.48	538	230	54	23	35	9.3	BDL	329	270	71	3	28	0.12	344	0.01
93	AN111	Pearl Park Resort	Neil Island	Dug Well	7.33	967	350	94	28	72	5.3	BDL	317	260	89	2	92	0.15	619	BDL
94	AN112	Ramnagar	Neil Island	Dug Well	7.42	613	250	72	17	42	2.1	BDL	293	240	85	1	26	0.14	392	0.08
95	AN113	Adj to Coparative Bank	Long Island	Dug Well	7.42	675	275	90	12	36	4.1	BDL	342	280	64	5	26	0.09	432	BDL

S Andaman:South Andaman  
M Andaman :Middle Andaman  
NAndaman :North Andaman

DW: Dug Well

BW: Bore Well

DTW: Deep Tubewell

**BDL - Below Detection Limit**

## Distribution of Uranium & Heavy Metals in Groundwater of Andaman & Nicobar Islands (2019-20)

### Annexure – BIII

SN	Well ID	Location	District	Source	Cr (ppb)	Fe (ppm)	Mn (ppm)	Cu (ppm)	Zn (ppm)	As (ppb)	Pb (ppb)	U (ppb)
1	AN001	Portblair	South Andaman	Dug Well	5.11	0.02	BDL	BDL	0.07	1.64	0.71	BDL
2	AN003	Corbyn's Cove (port Blair)	South Andaman	Dug Well	0.89	0.07	0.14	BDL	0.07	1.18	BDL	0.83
3	AN004 A	Kodiaghat	South Andaman	Dug Well	BDL	BDL	0.24	BDL	0.07	BDL	BDL	BDL
4	AN005	Austinabad (port Blair)	South Andaman	Dug Well	0.57	BDL	BDL	BDL	0.14	BDL	BDL	BDL
5	AN007	Brichganj	South Andaman	Dug Well	4.70	BDL	0.01	BDL	0.05	BDL	BDL	BDL
6	AN008	Saidpur (port Blair)	South Andaman	Dug Well	7.14	0.03	0.02	BDL	0.10	1.16	BDL	BDL
7	AN010	Ograbraj	South Andaman	Dug Well	7.06	0.01	0.29	BDL	0.03	0.80	BDL	0.57
8	AN012	Burmanala	South Andaman	Dug Well	7.71	0.09	BDL	BDL	0.07	BDL	BDL	BDL
9	AN013	Brookshabad ( Port Blair)	South Andaman	Dug Well	5.40	BDL	BDL	BDL	0.06	BDL	BDL	BDL
10	AN015	Chidiyatapu	South Andaman	Dug Well	3.68	BDL	BDL	BDL	0.08	0.90	0.54	BDL
11	AN016	Bamboo flat	South Andaman	Dug Well	BDL	0.04	0.79	BDL	0.07	BDL	BDL	BDL
12	AN017	Calicut	South Andaman	Dug Well	5.80	0.01	0.09	BDL	0.08	BDL	BDL	BDL
13	AN018	Saitankhari	South Andaman	Dug Well	2.81	0.03	0.02	BDL	0.10	BDL	BDL	BDL
14	AN019	Dandaspoint	South Andaman	Dug Well	3.63	BDL	0.05	BDL	0.08	BDL	BDL	BDL
15	AN020	Junglighat ( V I P Road )	South Andaman	Dug Well	5.56	0.04	0.50	BDL	0.07	BDL	0.53	BDL
16	AN021	Rangat	N&M Andaman	Dug Well	3.50	0.03	0.03	BDL	0.09	1.88	BDL	BDL
17	AN022	Bakultala	N&M Andaman	Dug Well	1.38	BDL	1.63	BDL	0.09	BDL	BDL	BDL
18	AN023	Nimbutala	N&M Andaman	Dug Well	2.74	0.06	0.02	BDL	0.07	1.33	BDL	0.56
19	AN025	Padmanavapuram	N&M Andaman	Dug Well	BDL	0.01	BDL	BDL	0.10	BDL	BDL	BDL
20	AN027	Dhobidera (Mayabunder)	N&M Andaman	Dug Well	BDL	0.02	0.48	0.01	0.06	2.81	BDL	BDL
21	AN028	Gupta Para	South Andaman	Dug Well	4.12	BDL	BDL	BDL	0.08	BDL	BDL	BDL
22	AN029	Baratang (Nilambur)	N&M Andaman	Dug Well	0.60	BDL	BDL	BDL	0.09	BDL	0.71	BDL
23	AN031	Kadamtala	N&M Andaman	Dug Well	BDL	BDL	0.02	BDL	0.05	BDL	BDL	BDL
24	AN032	Porlobjig-15	N&M Andaman	Dug Well	BDL	0.06	0.19	BDL	0.07	0.51	BDL	BDL
25	AN033	Tikadera	N&M Andaman	Dug Well	BDL	0.02	0.01	BDL	0.11	BDL	BDL	BDL
26	AN034	Mohanpur	N&M Andaman	Dug Well	1.60	0.36	0.37	BDL	0.09	BDL	0.51	BDL
27	AN035	Srinagar	N&M Andaman	Dug Well	1.69	0.36	0.37	BDL	0.09	BDL	0.51	BDL

SN	Well ID	Location	District	Source	Cr (ppb)	Fe (ppm)	Mn (ppm)	Cu (ppm)	Zn (ppm)	As (ppb)	Pb (ppb)	U (ppb)
28	AN036	Nabagram	N&M Andaman	Dug Well	3.67	0.64	0.02	BDL	0.11	BDL	0.64	BDL
29	AN037	Sitanagar	N&M Andaman	Dug Well	1.23	0.03	0.02	BDL	0.08	BDL	0.63	BDL
30	AN038	Durgapur	N&M Andaman	Dug Well	1.40	0.03	0.03	BDL	0.07	BDL	0.94	BDL
31	AN039	Laxmipur	N&M Andaman	Dug Well	5.81	0.42	0.13	0.01	0.09	0.96	0.76	BDL
32	AN040	Subhasgram	N&M Andaman	Dug Well	BDL	0.02	BDL	BDL	0.11	BDL	BDL	BDL
33	AN042	Tugapur No. 8	N&M Andaman	Dug Well	2.05	0.32	0.02	BDL	0.08	BDL	0.87	BDL
34	AN043	Basantipur	N&M Andaman	Dug Well	0.73	0.01	BDL	BDL	0.06	BDL	BDL	BDL
35	AN044	Parnashala	N&M Andaman	Dug Well	0.51	BDL	0.07	BDL	0.05	0.63	BDL	BDL
36	AN045	Marina Park	South Andaman	Dug Well	BDL	0.06	0.75	BDL	0.12	BDL	0.68	BDL
37	AN048	Annikat	South Andaman	Dug Well	0.60	0.05	0.39	BDL	0.07	1.16	BDL	BDL
38	AN049	Namunagar	South Andaman	Dug Well	0.89	0.01	0.01	BDL	0.05	0.51	BDL	0.77
39	AN050	Long Island	Long Island	Dug Well	BDL	0.27	0.07	BDL	0.03	BDL	BDL	BDL
40	AN051	Long Island (Forest Area)	Long Island	Dug Well	0.54	BDL	BDL	BDL	0.09	BDL	BDL	0.69
41	AN052	Long Island (Secondary School)	Long Island	Dug Well	0.55	0.19	BDL	0.01	0.13	BDL	1.68	4.63
42	AN053	GovindanagarVill No - 1	Havelock	Dug Well	0.83	0.01	BDL	0.01	0.05	1.06	0.75	1.06
43	AN054	GovindanagarVII No - 3	Havelock	Dug Well	1.09	BDL	BDL	BDL	0.08	5.17	BDL	1.98
44	AN055	Dolphin YatriNivas	Havelock	Dug Well	BDL	BDL	BDL	BDL	0.06	5.22	BDL	1.95
45	AN056	Radhanagar	Havelock	Dug Well	BDL	0.01	0.52	BDL	0.05	0.88	BDL	BDL
46	AN057	Port Blair (Dobhi Well)	South Andaman	Dug Well	BDL	0.04	BDL	BDL	0.10	BDL	BDL	BDL
47	AN058	Swadeshnagar	N&M Andaman	Dug Well	BDL	BDL	0.57	BDL	0.08	BDL	BDL	BDL
48	AN059	Light House	South Andaman	Dug Well	BDL	0.01	0.02	BDL	0.08	1.15	BDL	1.99
49	AN060	Bharatpur	Neil Island	Dug Well	BDL	0.01	BDL	BDL	0.09	5.29	0.75	0.79
50	AN061	Bharatpur	Neil Island	Dug Well	BDL	0.50	BDL	BDL	0.10	7.22	BDL	BDL
51	AN062	Sitapur	Neil Island	Dug Well	BDL	0.01	0.44	BDL	0.14	BDL	BDL	BDL
52	AN064	Ross Island	Ross Island	Dug Well	BDL	BDL	BDL	BDL	0.07	BDL	BDL	BDL
53	AN066	Teylarabad	South Andaman	Dug Well	BDL	BDL	BDL	BDL	0.07	BDL	BDL	BDL
54	AN067	New Bimliton	South Andaman	Dug Well	BDL	0.01	0.01	BDL	0.07	BDL	BDL	BDL
55	AN068	Dhannikhari	South Andaman	Dug Well	BDL	0.03	BDL	BDL	0.06	BDL	BDL	BDL
56	AN069	Chouldari 1	South Andaman	Dug Well	BDL	BDL	BDL	BDL	0.09	0.65	BDL	BDL
57	AN070	Port Mout	South Andaman	Dug Well	BDL	BDL	0.07	BDL	0.05	0.78	BDL	BDL

SN	Well ID	Location	District	Source	Cr (ppb)	Fe (ppm)	Mn (ppm)	Cu (ppm)	Zn (ppm)	As (ppb)	Pb (ppb)	U (ppb)
58	AN071	Tushnabad	South Andaman	Dug Well	BDL	0.44	0.07	BDL	0.09	0.76	BDL	BDL
59	AN073	Tirur	South Andaman	Dug Well	BDL	0.01	BDL	BDL	0.06	1.23	BDL	BDL
60	AN074	Ferrarganj	South Andaman	Dug Well	BDL	0.02	0.02	BDL	0.09	0.52	BDL	BDL
61	AN075	Bindraban	South Andaman	Dug Well	BDL	BDL	0.04	BDL	0.11	BDL	BDL	BDL
62	AN076	Mannarghat	South Andaman	Dug Well	BDL	0.01	BDL	BDL	0.10	BDL	BDL	BDL
63	AN077	Wrightmyo	South Andaman	Dug Well	BDL	1.34	0.58	BDL	0.10	1.27	BDL	BDL
64	AN078	Shoal Bay – 8 No.	South Andaman	Dug Well	BDL	0.02	0.66	BDL	0.06	0.75	BDL	BDL
65	AN080	Shoal Bay– 15 No.	South Andaman	Dug Well	BDL	0.04	0.04	BDL	0.09	BDL	BDL	BDL
66	AN081	Knoppuram	South Andaman	Dug Well	BDL	0.03	0.03	BDL	0.01	0.60	BDL	1.01
67	AN082	Stuwartganj	South Andaman	Dug Well	BDL	0.20	BDL	0.01	0.12	BDL	5.39	BDL
68	AN083	Mile Tilak	South Andaman	Dug Well	BDL	0.02	0.06	BDL	0.07	1.23	BDL	0.74
69	AN084	Hope Town (Maremon Temple)	South Andaman	Dug Well	BDL	0.06	0.06	0.01	0.14	1.42	0.70	1.89
70	AN063	Laxamanpur	Neil Island	Dug Well	BDL	0.03	BDL	BDL	0.12	BDL	BDL	BDL
71	AN086	Nayashahar	South Andaman	Dug Well	BDL	0.01	0.06	BDL	0.10	BDL	0.83	BDL
72	AN087	Manglutan	South Andaman	Dug Well	BDL	0.05	0.19	0.01	0.12	0.71	0.73	BDL
73	AN088	Manjeri	South Andaman	Dug Well	BDL	0.03	0.08	BDL	0.16	BDL	BDL	BDL
74	AN089	Mamyo	South Andaman	Dug Well	BDL	0.04	0.25	BDL	0.03	0.98	BDL	2.11
75	AN090	Wandur – 2	South Andaman	Dug Well	BDL	0.04	0.25	BDL	0.07	1.05	0.58	BDL
76	AN091	DollyganjChowk (Old Pahalgaon)	South Andaman	Dug Well	BDL	0.02	0.39	BDL	0.06	1.34	BDL	BDL
77	AN092	Lamba Line	South Andaman	Dug Well	BDL	BDL	BDL	BDL	BDL	1.72	BDL	BDL
78	AN093	Haddo – 2	South Andaman	Dug Well	BDL	0.02	0.66	BDL	0.13	BDL	BDL	BDL
79	AN094	Mount Harriyat	South Andaman	Dug Well	BDL	BDL	BDL	BDL	0.06	BDL	BDL	BDL
80	AN095	South Creek (Sundergarh)	N&M Andaman	Dug Well	BDL	0.01	0.06	BDL	0.10	BDL	0.83	BDL
81	AN096	PhooltalaBasti	N&M Andaman	Dug Well	BDL	0.10	1.22	BDL	0.08	0.98	BDL	BDL
82	AN097	Kishorinagar (Parangara)	N&M Andaman	Dug Well	BDL	1.71	0.04	BDL	0.09	BDL	1.78	BDL
83	AN098	Milangram	N&M Andaman	Dug Well	BDL	0.02	0.04	0.01	0.19	BDL	0.53	BDL
84	AN100	Keralapuram	N&M Andaman	Dug Well	BDL	BDL	BDL	BDL	0.05	BDL	BDL	BDL
85	AN101	Webi (Debipur)	N&M Andaman	Dug Well	BDL	0.02	BDL	BDL	0.11	0.78	0.75	BDL
86	AN102	Pahalgaon	N&M Andaman	Dug Well	BDL	BDL	BDL	BDL	0.04	BDL	BDL	BDL
87	AN103	Joypur	N&M Andaman	Dug Well	BDL	0.02	BDL	BDL	0.06	BDL	BDL	BDL



SN	Well ID	Location	District	Source	Cr (ppb)	Fe (ppm)	Mn (ppm)	Cu (ppm)	Zn (ppm)	As (ppb)	Pb (ppb)	U (ppb)
88	AN104	Betapur	N&M Andaman	Dug Well	BDL	0.02	0.12	BDL	0.06	BDL	0.87	BDL
89	AN105	Havelock Island Jetty	Havelock	Dug Well	BDL	BDL	BDL	BDL	0.06	1.95	BDL	0.60
90	AN107	Kalapathar	Havelock	Dug Well	BDL	0.02	0.26	BDL	0.05	3.81	BDL	5.86
91	AN109	Krishnanagar	Havelock	Dug Well	BDL	0.37	BDL	0.01	0.11	1.80	1.81	0.56
92	AN110	Neil Kendra	Neil Island	Dug Well	BDL	0.01	0.05	BDL	0.04	2.69	0.60	1.20
93	AN111	Pearl Park Resort	Neil Island	Dug Well	BDL	BDL	BDL	BDL	0.03	1.46	BDL	2.99
94	AN112	Ramnagar	Neil Island	Dug Well	BDL	0.08	BDL	0.01	0.07	1.06	0.76	1.60
95	AN113	Adj to Coparative Bank	Long Island	Dug Well	BDL	BDL	0.01	BDL	0.04	0.78	BDL	2.02

S Andaman:South Andaman

M Andaman :Middle Andaman

NAndaman :North Andaman

DW: Dug Well

BW: Bore Well

DTW: Deep Tubewell

**BDL - Below Detection Limit**

