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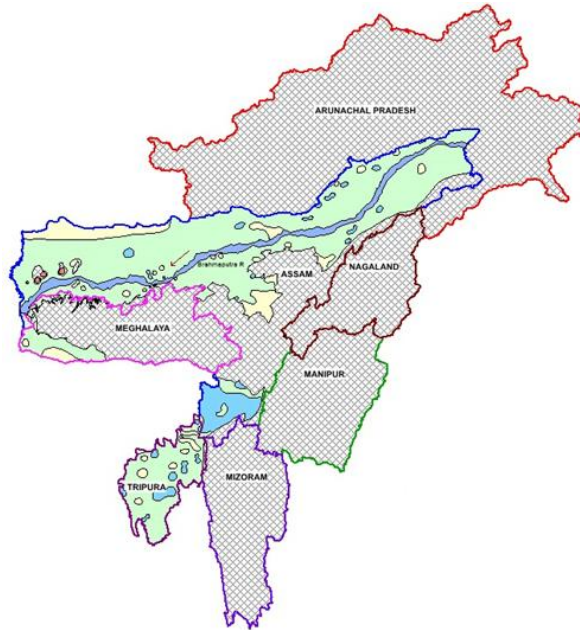
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GROUND WATER YEAR BOOK 2019-20

भू-जल वार्षिक पत्रिका

२०१९ -२०



CENTRAL GROUND WATER BOARD
DEPARTMENT OF WATER RESOURCES, RD & GR
MINISTRY OF JAL SHAKTI
GOVERNMENT OF INDIA
NORTH EASTERN REGION, GUWAHATI

September 2020

केंद्रीय भूमिजल बोर्ड

जल संसाधन, नदीविकास और गंगा संरक्षण विभाग

जल शक्ति मंत्रालय

भारत सरकार

पूर्वोत्तर क्षेत्र. गुवाहाटी

सितम्बर २०२०



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GROUND WATER YEAR BOOK, 2019-2020

NORTH EASTERN REGION

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FOREWORD

Ground water is a dynamic and replenishable resource and monitoring spatial and temporal changes of this resource is essential for sustainable development and management. The water level data is of paramount importance in development and management of water resources in the country. Central Ground Water Board decided to issue a Ground Water Year Book annually for each State by compiling the hydro-geological, hydro-chemical and water level data collected from the Ground Water Monitoring Stations (GWMS) established by the Board in the States. CGWB, NER has a permanent network of 624 GWMSs in North Eastern Region covering the States of Arunachal Pradesh, Assam, Manipur, Meghalaya, Nagaland and Tripura. Monitoring of water level and chemical quality furnish valuable information on the ground water regime, characteristics of the different hydro-geological units in the States, viz. the pattern of ground water movement, changes in recharge-discharge relationship, behaviour of water level and changes in quantity of ground water in space and time. It also helps in identifying and delineating water logged areas, possible ground water pollution hazards and areas prone to lowering of water table/piezometric surface due to large scale withdrawal of ground water.

The behaviour of ground water level monitored from existing GWMSs and the chemical quality of ground water along with maps depicting the ground water scenario for the periods of measurement are presented in this report.

The water level data of GWMS in the States have been effectively compiled, analyzed and presented in this report by Ms. D. Rabha, "Sc-B" and Ms. Mophi Mili, "Sc-B". The scientific officers of the Regional Office systematically collected field data from the GWMSs four times in the year viz. March, August, November and January. The sincere effort of Dr.D.J. Khound, Sc-B in scrutiny, processing and issuance are gratefully acknowledged.

It is hoped that this report would be of immense use for administrators, planners, and officials as a reference in ground water development and planning in time and space.

Guwahati
30th September, 2020



(Biplab Ray)
Head of Office

EXECUTIVE SUMMARY

North Eastern Region covers seven states namely Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland and Tripura occupying an area of 2,55,083 sq. km. The Region is mostly occupied by hilly terrain and only 77,068 sq. km. is occupied by valley area, which forms 30% of the total area. In different hydrogeological formations of the Region, 624 Ground Water Monitoring Wells (GWMW) have been set up. Most of these wells are located in valley areas. These wells are generally selected from existing ground water abstraction structures i.e. open wells, tube wells, and purpose-built piezometers. As on 31st January 2020, there are 559 dug wells and 65 tube / bore wells in the region, which are being monitored four times a year i.e. during March 1st to 10th (This is the pre-monsoon water level and the water level as it stands at the end of the ground water year after all the inputs and outputs have taken place. In other words it is the resultant ultimate/lowest water level), August 20th to 30th (this water level marks the peak of the water level hydrograph), November 1st to 10th (this is the postmonsoon water level and the water level as it stands after the major portion of rainfall recharge has taken place), and January 1st to 10th. Water samples are being collected for chemical analysis during Pre-monsoon i.e. in the month of March when concentrations of different chemical constituents are expected to be maximum.

Monitoring and investigation is required to gain an understanding of the spatial and temporal variations in quality and quantity of groundwater resources. Groundwater monitoring can be defined as the systematic measurement and observation of the groundwater situation on a regular basis by measurement of water levels in wells and boreholes or of spring discharge and assessing its chemical quality, which provides the simplest indicator of changes in groundwater resources in quantity and/or quality. The objectives of the groundwater monitoring are to measure depth to water level and collect ground water samples for chemical analysis, thereby establish trends of water level and quality; to collect data documenting any change in groundwater storage over time in the principal aquifers; to provide both long-term and short-term data necessary to assess and predict the response of hydrologic systems to natural climatic variations and human-induced stresses; and to provide historical baseline data for studies of local/regional aquifers. Groundwater monitoring also helps in identifying areas showing negative impact due to over-abstraction or contamination or very shallow levels in Canal command e.g.

- Declining groundwater levels and depletion of groundwater reserves;
- Reductions in stream/spring base flows;
- Reduced access to groundwater water for drinking water supply and irrigation;
- Subsidence and foundation damage
- Deterioration of groundwater quality;
- Increased costs for pumping and treatment;

Ground Water Monitoring Wells are distributed in three river basins, viz. Brahmaputra (532), Meghna (163), and Imphal (25).

In unconsolidated formations 612GWMWs are located, while in semi-consolidated formations and consolidated formations 62 and 46 GWMWs are distributed respectively.

The rainfall is the main source of Ground Water recharge. North Eastern Region receives a considerable amount of rainfall. The annual average rainfall varies from 900 mm to more than 5000 mm.

Geologically, the area is underlain by consolidated to unconsolidated formations ranging in age from Archaean to Recent.

Hydrogeologically, the area is grouped into porous and fissured formations based on the nature of openings in the aquifer system. Alluvium and sedimentary formations and fissured consolidated rocks form the main repositories of ground water.

Water levels in the region remain mostly within 5.00 mbgl in all the four measurements. The summarized percentage of wells showing water levels in different depth ranges are as follows.

Depth to water level (mbgl)	March, 2019(% of wells)	August, 2019 (%of wells)	November, 2019(% of wells)	January, 2020(% of wells)
0 – 2	19.7	53.3	40	28.5
2 – 5	55.1	36.4	48	54.3
5 – 10	19.9	6.9	8.7	12.9
10 – 20	3.9	2.3	2.1	2.8
>20	1.4	1.1	1.2	1.5

Water level fluctuation of GWMWs during August'19, November'19 and January'20 with respect to Pre-monsoon (March'19) data show that there is

- Rise in water level in August 2019 in 93.20% wells.
- Rise in water level in November 2019 in 87.90% wells.
- Rise in water level in January, 2020 in 76.50% wells

Comparison of water levels of GWMWs during March'19, August'19, November'19 and January' 20, with respect to the same month during the previous year shows that there is

- Fall in water level in March 2019 in 66.5% wells.
- Fall in water level in August 2019 in 54.3% wells.
- Fall in water level in November 2019 in 50.8% wells.
- Rise in water level in January 2020 in 66 % wells.

Comparison of mean water level of the previous decade to the water level for the same period during 2019-20 shows that-

- During March 2019, rise is recorded in 55.7% GWMWs, as compared to decadal mean (March 2010- March'18).
- During August 2019, fall is recorded in 53.6% GWMWs, as compared to decadal mean (August 2010-August'18).
- During November 2019, rise is recorded in 52.5% GWMWs, as compared to decadal mean (November 2010-November'18).
- During January 2020, rise is recorded 60.8% GWMWs, as compared to decadal mean (January 2010-January'19).

Trend analysis of Pre-monsoon water level data of last ten years i.e. 2010-2019 shows falling trend in 33.7% stations and rising trend in 66.3% stations.

Trend analysis of Postmonsoon water level data of last ten years i.e.2010-2019 shows falling trend in 45.1% stations and rising trend in 54.9% stations.

During pre-monsoon period (March 2019), 19.7% (85/431) stations show water logging condition, whereas 15.3% (66/431) stations shows prone to water logging condition.

During post monsoon period (November, 2019), 39.5% (172/435) stations show water logging condition, whereas 22.8% (99/435) stations shows prone to water logging condition.

Water samples from GWMWs are collected during the month of March every year when the soluble chemical constituents are expected to be maximum in concentration. Concentration of iron exceeds the permissible limit of drinking water standards in all the North-Eastern states.

The concentration of Fluoride and Arsenic was also observed beyond permissible limit of BIS (2012) in some areas of Assam. However, in general, the quality of ground water, in the North Eastern States is good for both irrigation and drinking purposes. The water samples are collected mainly from open wells. Higher concentrations of iron are also noticed in tube wells in different parts of the region.

As per 2017resources estimation, the region is enriched with more than 32.36 BCM of replenishable ground water resources and the stage of development is less than 20%. If it is planned properly this huge resource can be harnessed to develop the agro-economic scenario of the region. However, for the hilly terrain (about 70% of the total geographical area) where ground water is not sufficient, further development of spring water and rain water harvesting may be taken up.

GROUND WATER YEAR BOOK

NORTH EASTERN REGION 2019-2020

1. INTRODUCTION

North Eastern Region is bounded between North Latitudes 21° 57' & 29° 28' and East Longitudes 89° 40' & 97° 25' with a geographical area of 2.55 lakh sq.km., comprising the States of Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland and Tripura. (Fig-1) Hill ranges occupy about 70% of the total geographical area. The State-wise distributions of hilly and plain areas are given in Table-1.1. The region has two principal drainage systems viz. Brahmaputra and Meghna (Fig-2). Both the drainage systems join together and drain into Bangladesh. There are two sub-ordinate drainage systems in the region i.e. Chindwin and Kaladan. Even though, the region receives highest rainfall in the country and it experiences high flood during monsoon, there is acute shortage of drinking water in many hilly terrains such as Cherrapunji, in Meghalaya which is the second wettest place in the world. Despite endowed with one-third of water resource potential in the country, the agro-economic condition of the region is poor, as only a negligible amount of ground water resource (about 35%) has been utilized so far. Harnessing this enormous resource with proper planning and management can uplift the agro-economic scenario of the region.

Table – 1.1 Distribution of hilly and plain areas in the region

State	State area (sq.km)	Valley Area (sq.km)	Percentage of Valley Area to total state area (%)
ARUNACHAL PRADESH	83,743	7,500	8.90
ASSAM	78,438	56,951	72.60
MANIPUR	22,327	2,000	8.90
MEGHALAYA	22,429	3,500	15.60
MIZORAM	21,081	226	1.07
NAGALAND	16,579	806	4.86
TRIPURA	10,486	6085	58.02
TOTAL	2,55,083	77,068	30.20

Central Ground Water Board, North Eastern Region, has set up a number of Ground Water Monitoring Stations (GWMS) in different hydrogeological conditions in order to know ground water condition and its variation, in both time and space. Monitoring of water levels and collections of water samples are being carried out periodically to observe any change in water level and its quality consequent to changes in inputs and outputs. In order to have an idea of water level behaviour with respect to time, water levels are being monitored four times a year. First set of measurement is taken during pre-monsoon period (March 1st to 10th), second set is being taken

during peak monsoon (August 20th to 30th), third measurement is taken during post-monsoon (November 1st to 10th) and last set is being taken during January 1st to 10th. In North Eastern Region, it is observed that the ground water level builds up considerably during last part of April as the area receives pre-monsoon rainfall during March to May. Water samples are being collected once in a year during the pre-monsoon measurement i.e. in the month of March. In addition to this, monthly water level data is collected out by local Observers at 72 monitoring stations under 'Participatory Monitoring Programme'.

As on 31st January, 2020, there are 624GWMS in the Region. The details of GWM Stations are given in Annexure I and its district-wise distribution is given in Table 1.2

Table - 1.2 State and District wise distribution of GWMS

Sl. No.	District	No. of GW Monitoring Wells as on 31.01.2020		
		DW	PZ	Total
	Arunachal Pradesh			
1	Changlang	4	0	4
2	East Siang	3	0	3
3	Lohit	2	4	6
4	Lower Dibang Valley	1	0	1
5	Lower Subansiri	2	0	2
6	Papumpare	8	0	8
7	Tirap	3	0	3
	Total	23	4	27
	Assam			
8	Baksa	2	0	2
9	Barpeta	9	2	11
10	Biswanath	11	0	11
11	Bongaigaon	10	0	10
12	Cachar	20	0	20
13	Chirang	1	0	1
14	Darrang	6	2	8
15	Dhemaji	11	3	14
16	Dhubri	13	1	14
17	Dibrugarh	5	3	8
18	East Karbi Anglong	7	0	7
19	Goalpara	14	0	14
20	Golaghat	11	0	11
21	Hailakandi	6	1	7
22	Hojai	4	0	4
23	Jorhat	23	0	23

24	Kamrup	21	0	21
25	Kamrup Metro	18	0	18
26	Karbi Anglong	32	0	32
27	Karimganj	9	0	9
28	Kokrajhar	17	0	17
29	Lakhimpur	22	1	23
30	Morigaon	13	3	16
31	Nagaon	25	4	29
32	Nalbari	3	1	4
33	Sibsagar	11	4	15
34	Sonitpur	13	1	14
35	Tinsukia	10	0	10
36	Udalguri	12	0	12
	Total	359	26	385
	Meghalaya			
37	East Garo Hills	10	0	10
38	East Jaintia Hills	0	1	1
39	East Khasi Hills	9	4	13
40	North Garo Hills	5	0	5
41	Ri-Bhoi	7	7	14
42	South West Garo Hills	5	0	5
43	West Garo Hills	14	0	14
44	West Jaintia hills	2	1	3
45	West Khasi Hills	2	0	2
	Total	54	13	67
	Nagaland			
46	Dimapur	17	2	19
47	Kohima	2	1	3
48	Mokokchung	0	1	1
49	Mon	1	1	2
50	Phek	0	1	1
51	Tuensang	0	1	1
52	Wokha	2	1	3
	Total	22	8	30
	Tripura			
53	Dhalai	13	1	14
54	Gomati	10	0	10
55	Khowai	6	3	9
56	North Tripura	19	1	20
57	Sipahi-Jala	9	0	9
58	South Tripura	24	3	27
59	Unakoti	10	0	10
60	West Tripura	10	6	16

	Total	101	14	115
	Grand Total	559	65	624

The present report deals with the analysis of the water levels of Ground Water Monitoring Stations (GWMS) in North Eastern Region during the Water Year 2019-2020. The GWMS in Manipur and at few locations of Nagaland and Assam could not be monitored regularly due to deterioration of law and order situation. There is no existing GWMS in Mizoram State. In Arunachal Pradesh, there are only 27 monitoring stations and those are restricted along the southern boundary of the state adjacent to Assam.

2. DISTRIBUTION OF GROUND WATER MONITORING WELLS

The distribution of Ground Water Monitoring Wells as per Lithology and river basin wise is dealt below:

2.1. Distribution of Ground Water Monitoring Wells as per Lithology

About 84.95% of the total Network Wells are located in the Unconsolidated Formation, 8.7% of the Wells are located in the Semi-consolidated Formations and the remaining 6.35% are in the Consolidated Formations. The Lithology-wise distribution of the Network Wells is given in Table 2.1.

Table 2.1 Distribution of GWMW in different Hydrogeological Units:

Sl No.	State	No. of GWMS			
		Unconsolidated Formations	Semi-consolidated Formations	Consolidated Formations	Total
1	Arunachal Pradesh	27	0	0	27
2	Assam	367	11	7	385
4	Meghalaya	16	15	36	67
5	Nagaland	23	7	0	30
6	Tripura	103	12	0	115
	Total	536	45	43	624

2.2. Distribution of Ground Water Monitoring Wells - River Basin and Sub-Basin wise

In all, there are four major River Basins and twenty-five Sub-basins in the North Eastern Region. Out of the four major Basins, the Brahmaputra Basin occupies the major part of the Region (Fig-3) and about 76%(527) of the Network Wells are located in this Basin. In Meghna Basin, about 21%(146) of the Wells are located and the remaining 8% (25)Wells are located in the Imphal Basin. The Kaladan Basin forms the southernmost parts of Mizoram there is no Network Well located in this basin. The distribution of GWMW in different Basins and Sub-basins are shown in Table – 2.2.

Table – 2.2 Distribution of GWMW in different Basins and Sub-basins

Table – 2.2 Distribution of GWMW in different Basins and Sub-basins			
S. No.	Basin/ Sub-basin	District / (No.of GWMS)	Total
	BRAHMAPUTRA		
1	Champamati	Bongaigaon (4), Dhubri (14) , Kokrajhar (15),	33
2	Manas	Barpeta (11), Bongaigaon (6), Chirang (1) Nalbari (4) Kokrajhar (2)	24
3	Mora Dhansiri	Baksa (2) , Darrang (8), Kamrup (15), Sonitpur (7),Udalguri (12)	44
4	Kameng	Sonitpur (7)	7
5	Badeng Pabnai	Lakhimpur (2), Biswanath (11)	13
6	Subansiri	Papumpare (8), Dhemaji (4), Lakhimpur (21) Lower Subansiri (2)	35
7	Siang	East Siang (3), Dhemaji (10)	13
8	Lohit	Changlang (1), Lohit (6),Lower Dibang Valley (1)	10
9	Dibru	Dibrugarh (5), Tinsukia (3)	8
10	Burhi Dihing	Changlang (3), Dibrugarh (2), Tinsukia (7)	8
11	Disang	Tirap (3), Dibrugarh (1), Jorhat (23), Sibsagar (15), Mon (2), Mokokchung (1),	45
12	Dhansiri	Dimapur(19),Golaghat (11), East Karbi Anglong (7), Karbi Anglong (12), Kohima (3),Wokha (3), Phek(1), Tuensang (1)	47
13	Kalang- Kopili	Kamrup Metro(5), Karbi Anglong (20), Morigaon (16), Nagaon (29), East Khasi (10), Ri-Bhoi (11)	91
14	Kulsi – Jinjinram	Goalpara (14), Kamrup Metro (13), East Garo(10), Ri-Bhoi (3), West Garo (14), West Khasi (2)	56
	MEGHNA		
1	Soneswari	North Garo (5), East Khasi (3),West Jaintia (3), South West Garo Hills (5)	16
2	Barak	Cachar(20), Dhalai(8),Hailakandi(7),Karimganj(9), North Tripura (16), West Tripura (14) , Unakoti (10)	85
3	Gumti	Gomati (9),Sipahi-Jala (8)	17
4	Fenny	South Tripura (22) , Khowai (8)	30

3. RAINFALL

The region is characterized by tropical monsoon climate with a rainy summer and dry winter. Heavy rainfall is received during summer and occasional rainfall during winter. January and February are the driest months. The rainfall received during summer is under the spell of South-West monsoon. The onset of South-West monsoon in the region occurs by the end of May or the first week of June and withdraws by late September or early October. But, very often pre-monsoon showers are experienced during March and April. Copious rainfall is received in certain parts of the region during the summer. Mawsynram, located in the State of Meghalaya, has the unique distinction of recording the highest average 11873mm annual precipitation in the world. This is because of its peculiar geographical location. From March to May, the region comes under the influence of equatorial Westerlies and receives precipitation with occasional thundershowers.

The averagemonthly rainfall of the district forfour years (2015-2018) recorded by IMD has been presented in **Table 3**.The isohyets showing the rainfall pattern in the region on the basis of average annual rainfall, has been depicted in **Fig.4**

Table 3. Rainfall data (in mm) (2015-2018)

State / District	YEAR	January	February	March	April	May	June	July	August	September	October	November	December
Arunachal Pradesh													
Changlang	2015	28.5	22.2	59.2	270.2	133.9	365.3	167.2	539.2	199.2	56.4	11.8	26.4
	2016	11.1	49.8	136.2	671.2	232.7	234.8	442.6	167.9	304.8	88.0	19.7	6.6
	2017	3.1	40.6	152	258.8	201.6	197.4	315.7	288.7	197.8	122.7	19.7	0
	2018	30.2	60.9	189.2	148.6	250.3	279.4	228.7	80.6	181.9	40.4	14.4	35.5
East Kameng	2015	0.0	0.0	0.0	52.4	55.5	123.4	73.0	151.2	56.0	5.8	0.0	3.4
	2016	0.0	0.2	19.5	110.5	81.3	133.9	175.2	96.3	134.1	28.2	0.0	0.0
	2017	0	6.2	60.6	300.6	175.3	158.9	184.5	223.1	162.4	26.6	0	0
	2018	0	0	0	31.1	60.6	149.2	115.3	223	132.9	24.1	0	0
East Siang	2015	49.7	120.4	102.6	338.1	388.8	1133.8	650.8	1283.0	483.6	11.7	38.5	29.2
	2016	14.9	61.9	57.7	499.0	323.6	556.6	1207.1	162.2	925.5	217.8	0.2	11.7
	2017	2.4	60.5	180.5	521.9	386.1	735.4	883.9	966.8	517.5	330.6	0	0
	2018	25.1	62.3	175	202.3	417	478.6	787.6	152	753.9	93.7	136.9	16.6
Lohit	2015	49.7	120.4	102.6	338.1	388.8	1133.8	650.8	1283.0	483.6	11.7	38.5	29.2
	2016	14.9	61.9	57.7	499.0	323.6	556.6	1207.1	162.2	925.5	217.8	0.2	11.7
	2017	3	121.2	234.9	351.7	344	424	463.4	510.6	248.1	261.9	9.3	0
	2018	27.4	44.8	201.7	221.6	244.1	301.9	322.3	240.6	323.6	96.9	35.9	34
Lower Dibang Valley	2015	37.0	68.1	155.4	676.5	286.5	1075.4	620.6	1374.3	1040.5	83.1	126.7	77.9
	2016	42.7	139.1	181.7	1330.4	536.0	436.4	1813.7	245.6	793.3	384.5	23.6	0.0
	2017	22.8	124.2	363.6	860.1	569.1	865.8	727.8	1388.1	330.2	320.5	6.2	5.4
	2018	43.6	54.5	195.8	305.4	356.3	985.5	668.1	211.1	424.8	55.3	92.1	14.6
Papumpare	2015	7.0	22.0	1.4	311.2	538.3	1082.1	464.8	562.1	371.7	66.1	7.8	25.7
	2016	41.4	31.1	123.4	451.6	330.5	626.2	848.9	178.3	714.6	186.5	1.2	6.8

State / District	YEAR	January	February	March	April	May	June	July	August	September	October	November	December
	2017	3.1	54.7	85.1	337.6	370.7	654.4	931.6	475.6	390.9	324.2	15.5	0.4
	2018	17.4	26.7	88.2	144.3	395.7	591.7	664.7	364.2	369.5	78	46.2	23.1
Tawang	2015	15.0	4.0	73.0	335.0	174.0	268.0	290.0		230.0	55.0	10.0	16.0
	2016	30.0	20.0	205.0	509.0	245.0	257.0	507.2	189.0	206.0	45.0	60.0	12.0
	2017	6	40	117	223	121	84	65	284	209			0
	2018	7	34	176	110	174	132	366.2	320	198	34	13	68
Tirap	2015	3.2	7.4	6.6	213.4	171.0	458.2	311.8	336.6	164.2	119.6	3.8	30.6
	2016		56.4	89.4	590.4	257.6	377.2	445.0	262.8	349.2	67.0	24.8	3.2
	2017	0.8	1.8	189.2	220.2	321.6	221.8	382.6	417.8	369.1	170.8	8	0
	2018	12.2	58.8	133.6	135.8	133.2	323.9	138.4	191	129.4	54.6	7.2	22.4
Upper Siang	2015	77.4	109.8	363.6	623.3	409.3	812.4	399.8	625.2	631.4	64.2	108.2	55.2
	2016	61.6	185.8	437.0	344.4	624.0	741.6	782.6	219.5	1169.0	352.2	0.0	0.0
	2017	12.2	158	422.3	664	404.6	675	764.4	552.6	675	676.8	38.4	14.2
	2018	99.4	234.6	416.2	238.4	420.4	161.2	198.8	203	293.8	104	241.6	0
Upper Subansiri	2015	7.6	26.6	58.6	165.1	160.2	343.2	208.2	258.9	164.2	43.8	10.2	26.6
	2016	19.0	48.6	66.6	176.5	217.7	338.1	383.4	109.9	686.8	178.6	0.0	10.8
	2017	1	52.2	131.6	94.2	183.2	345.2	518.6	228.2	188.2	95	0.4	7
	2018	33.2	58	111.3	99.2	209.4	103.2	152.2	320.6	107.2	21.2	88.6	11.2
West Kameng	2015	5.8	3.4	3.3	139.7	211.3	421.8	273.5	320.6	212.5	78.4	7.1	9.7
	2016	9.5	1.9	41.6	66.7	121.0	220.2	449.1	106.0	121.5	71.5	0.0	2.2
	2017	3.1	13.9	27.5	100	96.3	287.8	222.1	340.2	227.2	63.9	5.7	0
	2018	0	12.8	35.7	110.1	208.5	353.3	379.7	380.7	215.4	112.2	9.2	16
Assam													
Baksa	2015	11.7	14.8	12.1	229.1	444.8	723.6	235.5	621.5	218.2	55.9	8.0	17.4
	2016	37.0	2.5	77.1	247.5	349.5	367.6	511.1	108.8	187.5	86.1	0.0	11.6

State / District	YEAR	January	February	March	April	May	June	July	August	September	October	November	December
	2017	2.7	56.5	60	217.2	219.9	484.8	207.6	406	318.4	61.8	1.6	0
	2018	0	21.5	87.2	73.1	355.4	314.8	373.5	200.8	515.6	26.1	31.1	19.2
Barpeta	2015	7.6	5.4	37.3	208.4	466.0	907.4	341.6	861.7	328.6	21.0	22.8	11.1
	2016	7.8	0.5	52.0	340.1	340.7	580.8	712.8	122.7	363.0	112.7	0.0	0.0
	2017	0	41.5	56.8	352.3	215.1	542.6	391	679.9	645.8	204.4	10.1	0
	2018	0.3	11.6	82.2	157.6	467.6	522.1	626.4	236.5	747	63.4	22.9	12.7
Bongaigaon	2015	14.2	4.8	25.7	215.8	388.0	1010.8	361.4	999.6	218.2	5.4	26.6	5.0
	2016	7.0	0.0	63.6	372.8	397.4	722.2	720.2	116.4	299.3	106.2	0.0	0.0
	2017	0	50.8	60.8	390.2	221.6	394	404.5	1083.8	766.2	304.6	4	0
	2018	1	13.3	97.2	192.3	497	381.4	760.9	273.6	746.1	58.8	16	25.8
Cachar	2015	4.6	11.1	13.1	470.7	301.9	419.8	442.4	417.9	335.3	91.8	6.8	11.3
	2016	3.5	63.8	82.4	565.9	460.4	336.1	451.5	346.6	526.7	186.5	65.3	10.8
	2017	0	38.5	318.7	408.6	306.2	584.2	480	564.5	200.3	362.7	10.2	101
	2018	3.4	14.5	133.3	212.8	387.8	546.3	342	363.1	400.5	122.5	14.6	30.8
Chirang	2015	9.0	29.4	83.4	419.5	675.4	1455.0	392.8	875.8	473.8	48.8	12.2	46.6
	2016	23.2	19.4	53.2	374.2	570.3	748.0	1227.4	135.4	377.6	102.0	0.0	0.0
	2017	0.4	26.6	63.8	458.2	424.5	837.9	686	1198.8	858	316.2	25.4	0
	2018	4	39.4	114.1	125.7	647.8	934.2	721	312.1	1063.6	91.8	28	20.6
Dhemaji	2015	0.0	30.0	17.0	219.0	327.0	599.0	321.0	649.0	125.0	4.0	0.0	7.0
	2016	12.0		32.0	2.0		345.0	414.0	192.0	303.0	154.0	3.0	9.0
	2017	2	70	90	285	281	486	704	446	419	215		1
	2018	4	39.4	114.1	125.7	647.8	934.2	721	312.1	1063.6	91.8	28	20.6
Dhubri	2015	33.9	10.0	109.6	192.7	503.3	890.7	185.5	482.8	248.8	11.0	13.9	11.0
	2016	8.4	0.3	102.6	235.5	444.3	596.3	418.1	190.9	231.0	171.8	0.0	1.4
	2017	0.8	8.2	86.4	445.1	270.6	457.1	304.6	353.6	399.3	161.9	0	0

State / District	YEAR	January	February	March	April	May	June	July	August	September	October	November	December
	2018	0	9.7	61.1	217.3	494.5	340.3	228.5	179.7	395.1	29.6	3.9	3.8
Dibrugarh	2015	9.8	24.0	43.8	263.0	347.8	457.9	324.6	501.9	158.3	133.1	27.8	20.0
	2016	24.6	59.3	117.9	463.1	293.7	311.5	387.9	212.1	290.0	101.9	14.8	4.2
	2017	3.5	97.2	117.1	238.1	316	283.8	461.1	280.8	269.3	190.6	0.9	1.5
	2018	0	9.7	61.1	217.3	494.5	340.3	228.5	179.7	395.1	29.6	3.9	3.8
Dima Hasao	2015	15.3	14.0	24.1	252.3	164.8	319.2	306.8	214.4	258.6	35.8	21.1	12.6
	2016	18.6	19.5	77.4	553.2	774.6	148.8	119.1	65.8	187.8	45.3	164.9	2.7
	2017	0	43.2	127.9	354.7	254.7	360.5	236.8	292	356.9	344.1	28.5	23.2
Goalpara	2015	21.0	2.6	53.0	180.0	581.4	1040.5	236.2	674.1	231.3	47.2	1.8	32.7
	2016	4.5	0.5	106.1	313.0	444.7	329.3	631.2	188.1	281.6	137.9	0.1	0.8
	2017	0.8	22.4	89.6	332.4	292.4	424.2	467.7	394.7	598.4	184.5	0.7	0
	2018	0	9.9	24.9	275.9	383.1	429.7	224.3	256.8	255	26.4	16.4	11.2
Golaghat	2015	14.2	14.7	52.8	258.2	206.6	193.0	224.7	205.4	168.1	88.7	13.8	28.3
	2016	21.8	1.7	48.4	279.5	258.3	262.5	388.1	156.2	238.7	39.6	35.7	3.1
	2017	0	49.5	134	165.8	262.8	224.4	396.9	227.5	212.3	149.9	4.1	0
	2018	4.4	30.9	79.8	79.2	194.9	322.7	183.5	245.1	180.8	26.9	28.4	30.9
Hailakandi	2015	1.1	22.5	60.8	573.6	285.3	339.6	299.5	713.5	292.3	107.2	14.9	7.8
	2016	8.0	69.2	54.6	809.0	725.0	383.4	366.7	261.7	430.2	117.7	98.0	8.6
	2017	0	57.5	239.3	464.6	283.5	593.4	287.6	473.8	149.2	176.9	7.4	87.5
	2018	2	7.4	88.9	144	348.7	376.4	231.1	391.2	232.8	127.2	8	25.2
Jorhat	2015	5.7	34.0	35.2	248.3	289.3	277.3	281.2	308.3	223.9	92.2	15.9	46.5
	2016	28.6	19.9	64.0	423.7	312.7	313.5	423.3	114.3	286.7	93.8	15.8	32.9
	2017	28.6	19.9	64	423.7	312.7	313.5	423.3	114.3	286.7	93.8	15.8	32.9
	2018	3.9	29.2	98.3	112.8	157.3	374.9	313	309.7	277.8	25.5	28.5	33.8
Kamrup (M)	2015	2.8	19.6	33.0	194.4	288.1	241.6	221.4	296.9	270.8	60.9	2.6	20.9

State / District	YEAR	January	February	March	April	May	June	July	August	September	October	November	December
	2016	21.3	4.5	25.0	210.7	239.3	377.6	293.1	102.6	67.7	74.0	0.2	1.6
	2018	0.9	1.4	52.4	107.8	193.8	259.1	135.6	257.5	160.7	11.2	4.7	22.9
Kamrup	2015	13.9	20.8	23.1	175.1	508.8	350.4	196.4	418.0	137.6	40.7	14.4	21.1
	2016	1.7	4.8	58.5	542.0	316.9	276.6	348.5	105.8	142.5	34.5	0.0	0.0
	2017	0	35.6	23	404.4	272.3	366	333.8	199.6	207.7	100.4	15.8	0
	2018	0	16.9	86.9	86	165.8	254	126	261.6	204.9	46.8	23.7	22.7
KarbiAnglmg	2015	19.0	3.8	27.4	145.6	123.4	234.4	173.0	222.7	185.1	70.7	10.5	0.5
	2016	28.9	4.9	28.9	176.1	135.8	221.5	303.2	268.9	202.6	105.3	85.0	11.1
	2017	0	6.5	157.1	175.4	110.8	271.2	268.6	171.4	163.9	137.8	7.6	5.7
	2018	9.3	11.8	52.7	56.4	79.3	211.2	156.3	177.7	118.1	20.6	1.4	41
Karmganj	2015	5.0	7.3	4.0	421.2	467.8	461.7	370.5	807.3	416.5	159.2	20.0	19.7
	2016	8.9	52.9	107.6	910.8	611.5	446.2	490.4	365.8	487.8	211.9	241.8	17.6
	2017	0	64.8	401.1	779.8	550.2	910.5	545.9	768.6	415.7	463.3	28.9	122.5
	2018	6.6	17.9	127.5	318.3	389	754.4	389.5	470.2	372.8	138.1	13.1	36.5
Kokrajhar	2015	16.5	1.3	30.1	135.0	545.4	1059.2	582.2	1198.4	308.8	16.3	8.7	11.6
	2016	14.2	0.0	119.1	246.3	452.9	758.4	581.8	106.1	367.4	166.8	0.0	0.3
	2017	0	0.2	89.9	412.2	374.6	505.7	586.9	1196.4	661	312.3	0.2	0
	2018	0	11.5	50.6	300.8	427.5	589.7	698.4	498.7	683.5	61.6	8.4	3.3
Lakhimpur	2015	4.9	21.6	13.8	218.2	331.4	828.4	355.1	570.0	354.1	41.9	23.1	18.6
	2016	26.8	57.0	99.0	272.9	260.3	490.3	856.3	221.5	471.0	181.9	3.1	0.9
	2017	6.5	44.9	76	347.6	359.9	505.9	931.5	420	518.6	345.2	17.7	0.3
	2018	29.6	30.9	110.6	171.9	280.2	486.9	633.7	441.7	443.4	103	54.4	23.6
Morigaon	2015	0.8	18.6	28.0	127.4	216.8	200.3	341.4	371.3	179.8	67.6	13.6	16.4
	2016	1.6	0.4	35.4	170.2	223.6	236.8	298.4	102.8	377.2	218.7	2.8	9.2
	2017	0	6.6	24.6	220.4	170.8	246	231	370.8	105	145.4	20.2	0

State / District	YEAR	January	February	March	April	May	June	July	August	September	October	November	December
	2018	0	5.8	17.2	142.6	90.2	307.3	210.9	164.5	105.4	50.2	0	25.6
Nagaon	2015	2.7	8.2	9.5	120.1	110.5	153.6	191.3	182.0	121.4	16.8	6.9	8.7
	2016	24.8	16.3	23.8	153.8	153.1	221.6	219.2	153.3	160.2	69.6	62.8	10.1
	2017	0	12.7	58.4	155.7	205.1	210.4	208.5	274.7	180.6	110.4	19.5	6.7
	2018	7.5	1.1	32.8	94.2	72.5	254.9	157.3	253.8	68.5	14.6	0.8	28.5
Nalbari	2015	11.8	13.2	30.1	170.3	553.1	694.2	333.4	622.6	204.8	31.2	9.4	6.7
	2016	32.1	2.8	89.8	422.8	292.7	372.0	513.3	149.7	233.1	52.5	0.0	1.4
	2017	4.6	31.5	65.9	308.4	218.6	392.8	306	255.3	342	131.4	14	0
	2018	0	17.4	70.6	140.5	250.8	387.1	259.2	215	341.8	33.3	28.8	21.2
Sonitpur	2015	7.9	5.2	6.4	221.0	281.4	482.3	310.3	442.8	141.7	42.3	25.9	57.1
	2016	45.7	14.9	42.1	228.6	295.8	158.4	264.9	161.1	175.9	81.7	0.1	2.4
	2017	2.2	66.7	37.8	196.4	238.5	490.6	443.4	304.4	187.6	109.7	8.9	0
	2018	0	7.3	61.5	120.7	190.4	195.2	343.2	335.9	269.5	30.3	30.9	23.4
Sibsagar	2015	16.7	14.0	32.1	234.7	293.0	273.6	328.4	297.2	212.8	115.1	6.4	39.5
	2016	22.7	27.4	137.7	457.5	334.3	218.7	329.7	228.8	304.7	76.1	19.7	10.2
	2017	0	35	106.6	199.4	243.4	251.4	419.2	181.8	261.9	148.9	5.1	0
	2018	7.3	15.1	84.1	166	143.7	349.9	249.5	252.3	221.3	33.7	27.1	43.7
Tinsukia	2015	17.1	44.9	72.1	334.3	247.1	493.2	301.5	627.8	233.7	84.4	20.6	30.6
	2016	13.2	70.0	150.6	551.7	306.1	221.5	484.6	244.0	354.7	135.1	13.1	7.1
	2017	5.7	88.7	128.8	285.2	343.7	301.3	466.3	311.5	315.4	266.3	4.6	0.3
	2018	17.9	44.7	154.1	184.9	239.3	284.6	333.8	305.5	252.7	68.8	43.1	30.3
Udalguri	2015	5.2	12.0	9.3	188.1	245.6	419.5	238.4	382.8	170.3	60.1	21.5	16.7
	2016	33.7	3.9	40.8	413.1	285.3	156.3	342.7	97.4	231.9	75.9	2.9	11.1
	2017	0.5	86.5	47	252.4	174.1	317.9	256.6	226.9	304.8	158.2	8.3	0
	2018	0	3.1	71.6	59	265.6	338.4	502.2	325.2	355	63.8	7.4	23

State / District	YEAR	January	February	March	April	May	June	July	August	September	October	November	December
Manipur													
Imphal East	2015	41.3	5.4	17.8	199.9	45.5	225.1	328.6	251.3	154.2	112.7	9.8	0.2
	2016	6.6	25.6	51.0	211.9	310.9	153.5	305.9	89.1	162.3	122.9	58.5	2.1
	2017	7.2	20.1	212.2	209	150.9	275.2	358.2	124.3	301.7	234.9	3.6	103.2
	2018	0	7.5	52.6	113.1	187.6	320.1	212.6	186.8	17.6	46.8	0.2	12
Imphal West	2015	2.1	0.3	11.8	555.7	176.0	377.2	486.4	362.0	157.7	35.2	2.6	11.2
	2016	0.5	65.2	111.1	561.7	643.2	642.9	484.0	372.4	737.6	237.0	52.9	0.8
	2017	0	13.6	178.2	479.7	189.6	546.9	690.3	803.3	510.5	382.6	2	102.1
	2018	2.5	0.5	80.1	219.7	526.6	497.4	243	338.6	167.2	53	0	30.7
Meghalaya													
East Garo Hills	2015	7.4	12.5	113.7	394.5	557.2	1193.0	276.3	956.8	663.8	87.2	17.4	0.0
	2016	16.0	0.0	64.2	275.6	720.0	741.4	1374.8	50.2	272.4	292.6	0.0	15.6
	2017	0	3.3	187.3	638.5	697.6	602.6	864.4	1173.7	753.6	425.2	16	2.8
	2018	0	46	38	195	533.9	479.5	387.9	450.6	291.5	53	0	10.7
East Khasi Hills	2015	19.1	25.0	40.6	370.6	683.5	2414.0	784.0	2370.9	1079.1	96.6	8.7	6.6
	2016	13.7	8.8	83.7	1026.9	661.2	796.4	2603.8	318.6	644.4	335.6	25.7	7.5
	2017	0.6	214.4	313.4	887.4	395.9	1537.9	1433	1523.6	854	471.9	11.8	35.8
	2018	3.6	18.1	67.7	264.6	691.5	1129.7	1431.7	746.6	617.5	73.9	6.1	14.9
Jaintia Hills	2015	40.0	35.3	71.0	461.5	293.5	918.0	730.8	856.0	410.4	80.0	0.0	0.0
	2016	14.5	2.4	22.1	230.2		720.6		296.0		405.0	174.0	
	2017	8	0			433	2015		1612				
	2018				117.8	80.6							
Ri-Bhoi	2015	12.2	6.4	39.5	144.6	212.4	183.3	144.8	352.9	229.7	66.2	33.6	0.4
	2016	12.1	0.0	22.8	117.7	221.0	197.2	262.7	107.1	239.9	87.2	5.1	2.3
	2017	12.5	0.9	76.1	93.5	122.5	219.9	157.1	326.5	167.3	142.6	26.1	1.4

State / District	YEAR	January	February	March	April	May	June	July	August	September	October	November	December
	2018	3.4	5.3	19.3	85.7	180.5	166.6	168.2	230	119.3	80.2	19.3	15.2
West Garo Hills	2015	47.6	22.8	33.4	175.4	467.6	547.6	203.5	570.2	388.8	10.4	3.0	12.0
	2016	6.4	0.2	51.6	179.4	332.6	414.2	429.2	176.2	194.5	64.6	0.0	4.8
	2017	1	0	96.7	289.8	275.2	342.5	268.8	298.2	386	198.2	0	0
	2018	0	18.2	30.9	220.6	315.7	287.1	309.2	211	206.3	16.6	0	17
Mizoram													
Aizawal	2015	15.7	15.0	34.1	271.2	228.7	379.1	397.9	433.4	299.5	240.9	4.8	3.1
	2016	0.4	16.3	129.1	267.2	355.4	426.2	264.0	388.0	394.1	180.5	88.7	0.0
	2017	1	15.4	109.9	389.5	252.9	616.3	352	527.7	230.4	338.3	8.9	62.9
	2018	10.6	7.7	42.5	140.6	282.1	485.6	207	487.5	213.8	106.5	3.9	2.6
Saiha	2015	15.8	0.0	24.0	177.0	105.0	351.0	362.0					
	2016	11.0	22.0	16.0	45.0	422.0	604.0	371.0	347.0	376.0	260.0	40.0	0.0
	2017	0	0	44	121	47	154						
	2018	0	1										
Serchip	2015	0.0	2.5	47.4	295.2	111.1	290.2	573.8	508.0	418.1	158.0	3.0	
	2016	0.0	48.0	6.8	12.2	13.1	192.0	723.5	318.7	413.3	86.1	91.7	0.0
	2017	0	0	104.4	334.2	147.8	715.3	346.8	823.2	583.1	393.8	41.4	95.3
	2018	6.6	0	0	80	462.5	1123	588	336.1	269.9	218.2	0	11
Nagaland													
Dimapur	2015	24.7	22.7	24.6	145.8	68.1	176.9	227.0	178.7	168.4	95.8	21.7	5.3
	2016	23.3	5.5	18.2	131.8	165.4	214.3	264.2	398.0	283.7	25.8	65.4	5.8
	2017	0.4	0.4	90.7	226	111.7	345.5	470.7	492.5	233.9	128.8	16.4	31.6
	2018	23	0.1	37.6	70.8	116.9	290.7	291.7	309.1	118.2	49	6.7	43
Kohima	2015	25.6	26.8	21.8	169.8	48.3	192.1	297.0	442.0	214.7	131.6	2.4	2.8
	2016	20.9	8.4	16.4	48.9	127.9	169.9	222.5	241.5	237.6	103.1	67.9	2.4

State / District	YEAR	January	February	March	April	May	June	July	August	September	October	November	December
	2017	1.6	0.5	99.2	127.4	201.7	308.2	475	242.5	328.8	178.6	5.4	31.9
	2018	13.2	3.6	43.6	99.8	285.8	323.2	515.4	311	115.5	71.7	3.7	49.6
Phek	2015	41.0	23.8	73.2	153.8	90.2	135.0		214.0	117.4		4.8	5.2
	2016	21.8	2.0	25.0	91.9	188.3	333.8	324.0	124.7	137.0	74.1	67.4	6.4
	2017	5.5	0.9	83	110.7	77	250.9	158	266.7	181	187.2	10	
	2018	4	6	22	101	105	188.5	246.3	250.5	96	38	0.9	29
Wokha	2015										111.0	0.0	20.0
	2016	25.0	26.0	52.0	35.0	19.0	325.0	412.0	225.0	393.0	109.0	128.0	6.0
	2017	0	2	94	227	198	193	137	35	53			
	2018	5	1	0			188.5	600.8	304.8	175	15.8	6.7	33.8
Tripura													
Dhalai	2015	2.7	36.5	36.5	326.7	386.9	219.7	543.5	370.0	385.2	91.5	1.6	2.7
	2016	1.5	78.6	117.6	209.3	502.5	321.8	222.1	460.5	334.3	128.2	115.8	0.0
	2017	0	24.2	247.7	491.9	201.2	599.9	246.1	508.8	288.6	493.1	2	122.5
	2018	13.8	8.4	40	219.6	695.9	630.7	161.2	415.9	188.2	95.4	13.5	28
North Tripura	2015	2.3	23.1	0.4	417.6	463.4	388.7	331.1	378.2	185.8	81.3	11.0	40.6
	2016	5.3	115.9	147.4	419.1	670.1	293.3	291.4	442.5	335.5	97.3	153.9	6.9
	2017	0	5.3	209.4	507.8	445.2	790.7	322.1	612.8	308.4	331.8	2.5	100.4
	2018	4.4	22.5	40.5	200.3	679.3	495.5	212.2	221.5	225.6	124.5	26.9	25.3
South Tripura	2015	1.9	1.9	9.9	242.8	281.6	334.0	746.0	445.4	410.4	133.0	0.8	2.0
	2016	0.0	31.5	106.4	71.3	382.3	240.2	448.1	350.4	248.1	194.7	188.1	0.0
	2017	0	16.1	144.9	348.3	155.2	461.1	513.2	434.9	415.2	362.9	2.5	91.4
	2018	0	1.5	17.6	282.9	543.4	494.6	407.1	286	138.2	81.4	14.3	4
West Tripura	2015	0.7	13.5	9.4	332.6	288.3	276.4	562.0	311.9	207.8	79.3	0.4	7.2
	2016	3.9	23.3	101.5	164.9	404.8	170.4	346.8	192.5	119.6	90.5	195.8	0.5

State / District	YEAR	January	February	March	April	May	June	July	August	September	October	November	December
	2017	0	33.8	230.8	403.8	235	710.4	552.4	481.3	391.8	269.5	3.3	82.4
	2018	2.5	10.1	35.8	200	596.1	402.3	210.7	148.4	94.5	43.5	18.2	22.1

4. GEOLOGY

Geological Formations encountered, in the North Eastern Region, range in age from Archaean to Recent. The generalized Geological succession of the Region is shown in Table-4.

Table – 4 Generalized Geological Successions in North Eastern India

Age	Group/ Formations	Lithology
Recent	Newer Alluvium	Clay, Silt, Sand as beds and lenses. ~~~~~ Unconformity ~~~~~
Pleistocene	Older Alluvium	Clay, coarse Sand, Shingle, Gravel & Boulder deposits as beds and lenses ~~~~~ Unconformity ~~~~~
Pliocene	Dihing	Pebble beds, soft Sandy clay, Conglomerate, Grit and Sandstone. ~~~~~ Unconformity ~~~~~
Mio-Pliocene	Dupi Tila	Sandstone, Conglomerate. Mottled clay, and Grit ~~~~~ Unconformity ~~~~~
Miocene	Tipam	Mottled clay, Sandy shale, Gritty sandstone, Ferruginous sandstone, Clay, Shale and Conglomerate. Surma Shale, Sandy shale, Siltstone, Mudstone, Conglomerates etc. ~~~~~ Unconformity ~~~~~
Oligocene	Barail	Massive sandstone, Shale, Sandy shale etc.
Eocene	Disang / Jaintia	Shale, Sandstone, Marl, Limestone etc.
Upper Cretaceous	Khasi Group	Conglomerate, Arkose, Sandstone – Conglomerate alterations. ~~~~~ Unconformity ~~~~~
Jurassic	Sylhet Trap	Basalt, Rhyolite, acid Tuff as flows and lenses ~~~~~ Unconformity ~~~~~
Pre-Cambrian	Shillong Group	Quartzite, Phyllite, Conglomerate, Dolerite, Basalt, Porphyritic and coarse Granite, Pegmatite. ~~~~~ Unconformity ~~~~~
Archaean	Gneissic Complex	Biotite-gneiss, Biotite-hornblende-Gneiss, Granite, Ilemenite-quartz-schist, Mica-Schist etc.

The North Eastern Region can structurally be classified into five major Geotectonic Provinces. These are as follows.

4.1. Shield area: The stable landmass of Assam-Meghalaya Plateau and the Mishimi massif form the shield area which were unaffected by orogenic movements. The shield area is separated from the other tectonic provinces by deep fractures in all sides.

4.2. Platform area: The areas bordering the shield area are termed as platform area. This zone was also unaffected by Cenozoic orogenic movement. However, late Mesozoic and Cenozoic marine and fluviatile sediments were deposited on this. The Upper Assam valley extending from Mishimi hills to Karbi Anglong, its southern margin and the northern margin of Cachar and N.C. Hills form the platform area, which is the eastern extension of Bengal platform.

4.3. Shelf area: The narrow southern margin bordering the Shield area is known as shelf area.

4.4. Mobile belt: The Geosynclinal deposition on the northern part forming Himalayan mountain system and the east and south-eastern parts forming Naga Patkai and Lushai Hill ranges due to orogenic movement are termed as mobile belts.

4.5. Foredeeps: The depressions in the northern and south-eastern margin of the platform are known as foredeeps. These foredeeps are covered by thick pile of molassic sediments derived from still rising mountains of mobile belt.

5.HYDROGEOLOGY

Recharge to the ground water of an area is controlled, mainly by three factors – Topography, Geology and Climate. Topography controls the gradient of an area. Geology plays an important role in storage and transmission of ground water and Climate forms the main source of ground water recharge through precipitation.

Based on the ground water occurrence and movement, the Geological Formations of the Region can be broadly grouped into Porous and Fissured Formations.

(a) Porous Formations

1. Unconsolidated Formations
2. Semi-consolidated Formations

(b) Fissured Formations

1. Consolidated Formations

5.1 Porous Formations

5.1.1 Unconsolidated Formations:

Unconsolidated Formations (Alluvium) occupy about 77,068 sq.km areas which are about 30% of the total area of the region and it covers mostly the plains of Brahmaputra valley and Barak valley of Assam. This Alluvial Formation comprises of Clay, Silt, Sands of various grain size and Gravel, etc. The foot-hill zone of Arunachal Pradesh comprises Boulder, Pebble, Cobble, Gravel, Sand, Silt, Clay etc. known as ‘Bhabar Zone’. In general the grain size of the formations decreases from north to south in the northern part of the Brahmaputra River and from south to north in the southern part of the River. The foot-hill areas in northern and southern part form the recharge zone of ground water for the plains of Assam.

Ground water, in general, occurs under unconfined to semi-confined conditions. However, in parts of Darrang, Nalbari, northern part of Kamrup, part of Cachar district of Assam and in southern part of West Garo Hills district of Meghalaya, ground water occurs under confined conditions giving rise to auto flow wells.

A total of 536 Ground Water Monitoring Stations are located in Unconsolidated Formations. During the year 2019-2020, the range of pre and postmonsoon water levels varied from 0.21 magl to 27.25 mbgl and 0.02 mbgl to 27.35 mbgl respectively.

5.1.2 Semi-consolidated Formations:

The Semi-consolidated Formations occupy the hill ranges of Tripura, southern hill ranges of Arunachal Pradesh, eastern part of Nagaland, Manipur, Mizoram, eastern fringe of Assam bordering Arunachal and Nagaland and hill ranges of Barak valley in southern Assam. The semi-consolidated formations in the region belong to Tertiary age. The granular zones comprise fine to medium grained sandstone, siltstone with intermittent shale beds. Ground water, in these formations occurs mostly under semi-confined to confined conditions.

In the semi-consolidated formation, 45GWMS are located. The pre and postmonsoon water levels ranged from 0.51 to 15.15 mbgl and 0.52 to 20.06 mbgl respectively.

5.2 Fissured Formations

5.2.1 Consolidated Formation:

The Consolidated Formations form the high hill ranges of Arunachal Pradesh, high land plateau of Meghalaya, Karbi Anglong district of Assam and isolated inselbergs of Brahmaputra valley scattered along both northern and southern bank of Brahmaputra River in middle and lower Assam. This formation mostly comprises of gneissic and schistose rocks belonging to Archaean and Pre-Cambrian age. These rocks are very compact and hard devoid of primary porosity. However, the secondary porosity developed by fractures, fissures and joints form ground water conduits and reservoirs. Due to high rainfall in the area, the weathered residuum has developed a considerable thickness, which varies from 10 to 20 m in general. This weathered residuum forms a good ground water reservoir. In the hill ranges of the area, springs are a common sight, which emanate through contacts of joints, fractures, topographic lows and hill slopes.

A total of 43 GWMS are located in consolidated formations. The range of water levels during pre & post-monsoon varied from 0.56 to 31.91 mbgl and 0.79 to 43.95 mbgl respectively.

6. BEHAVIOUR OF WATER LEVEL DURING THE YEAR 2019-20

Based on the water level data collected from the Ground Water Monitoring Stations, the following maps has been prepared for each monitoring period. The details of GWM Stations and water level data during the year,2019– 2020are given in Annexure I and II.

- i. Depth to water level maps
- ii. Fluctuation of water level between Pre and Post monsoon.
- iii. Fluctuation of water level in the current month with respect to that of the same month of the previous year.
- iv. Fluctuation of water level in the current month with respect to the average of the preceding decade for the same month.

6.1 Depth to Water Level

6.1.1 Depth to Water level during March, 2019 (Fig. 5 and Annexure III)

Arunachal Pradesh

A significant part of Arunachal Pradesh is hilly.Hence, most of the monitoring stations are located along the southern boundary bordering the Brahmaputra valley of Assam.

During the month of March 2019, groundwater level was recorded in46.2% (12) of the monitored stations within 0-2 mbgl, in 30.8% (8) stations in the range of 2-5 mbgl, in 19.2% (5) stationsranging from 5to10 mbgl and only in 1(3.8%) GWMS was from 10 and 20 mbgl. The minimum and maximum water level of 0.21 magl and 12.69mbgl were recorded in Papumpare district.

Assam

During the month of March 2019, 17.9% (45) of the monitored stations exhibited water level within 0-2 mbgl, 59.4% (149) stations in the range of 2-5 mbgl, 19.5% (49)) stations from 5-10 mbgl and 3.2% (8) stations from 10 and 20 mbgl. The minimum water levelof 0.14 mbgl had been observed in Udalguri district. The maximum water level of 17.39mbgl had been recorded in Dhubri district.

Meghalaya

The Depth to water level measured during March 2019, indicates water level in the range of 2-5 mbgl in majority of the GWMS. Water level within 0-2 mbgl was recorded in 14.3% (8) stations, in the range of 2-5 mbgl in 51.8% (29) stations, in 26.8% (15) stations rnging from 5-10 mbgl, nly in 1 station in the range of 10-20 mbgl and in 5.4% (3) GWMS above20 mbgl. The minimum water level of 0.51 mbglwas recorded in West Jaintia Hills district. The maximum

waterlevel (12.96mbgl) in dugwell and in piezometer (43.95mbgl) had been recorded in West Jaintia Hills district and in East Jaintia Hills district respectively.

Nagaland

During March 2019, water level in the state was monitored only in few stations. Water level in within 2mbgl was recorded only in 1 station and in 50% (3) stations in the range of 2-5 mbgl in 25.8% (8) stations. In 2 (33%) stations water level was observed in the range of 10-20 mbgl . Both the minimum water level (1.15 mbgl) and the maximum water level (11.62mbgl) had been recorded in Dimapur district.

Tripura

During the month of March 2019, in 20.6% (20) of the monitored stations of the state, water level was recorded within 0-2 mbgl. Water level in the range of 2-5mbgl was found in 52.6% (51) stations , in the range of 5-10mbgl in 18.6% (18) GWMS, from 10-20mbgl in 5.1%(5) stations and in three pieometers above 20mbgl. Majority of water level was recorded in the range of 2-5mbgl. The minimum water level of 0.45 mbgl was recorded in South Tripura district. The maximum water level (9.76mbgl) in dugwell and in piezometer (27.25mbgl) had been recorded in Gomati district and in West Tripura district respectively.

6.1.2 Depth to Water level during August, 2019 (Fig. 6 and Annexure IV)

Arunachal Pradesh

During the month of August 2019, water level within 0-5 mbgl had been recorded in 90% (27) of the monitored stations of the state. Depth to water level within 0-2 mbgl was observed in 51.7% (15) stations, in the range of 2-5 mbgl in 41.3%(12) stations and one station each in the range of 5-10mbgl and 10-20mbgl. Both minimum water level of 0.34magl and maximum water levels of 10.85 mbgl had been recorded in Papumpare district.

Assam

Depth to water level scenario in the state during August, 2019 indicate prevalence of water level within 5mbgl (93%, 255 Nos.). Depth to water level in the range of 0-2mbgl was recorded in 59.8%(164) stations, in the range of 2-5 mbgl in 33.2%(91) stations and in the range of 5-10mbgl in 5.5%(15) stations. Water level in the range of 10-20 mbgl was recorded in 4(1.5%) stations only. Minimum and maximum water levels of 0.16 mbgl and 16.84 mbgl had been recorded in Marigaon and Dhubri District respectively.

Meghalaya

During the month of August 2019, water level in the range of 0-2 mbgl was recorded in 45.2%(28) of the monitored stations of the state. In 38.7% (24) stations, it was recorded in the range of 2-5 mbgl, in 9.7% (6) stations in the range of 5-10, only in 1 station in the range of 10-20mbgl and in 3 stations(4.8%) above 20mbgl. The minimum water level (0.05 mbgl) was recorded in East Khasi Hills district. The maximum water level (11.03mbgl) in dugwell and in piezometer (39.51mbgl) had been recorded in West Jaintia Hills district and in East Jaintia Hills district respectively.

Nagaland

During August 2019, water level in the state was monitored only in Dimapur district. It was recorded within 0-2 mbgl in 30% (3) of the monitored stations, in the range of 2-5 mbgl in 60% (6) stations and in the range of 5-10 mbgl in 10%(1) station. The minimum and maximum had been recorded as 0.98 mbgl and 6.83 mbgl respectively.

Tripura

During the month of August 2019, water level in 42.8% (42) of the monitored stations of the state was recorded within 0-2 mbgl. Water level in the range of 2-5mbgl was found in 39.8% (39) stations, in the range of 5-10mbgl in 10.2% (10) stations and in 5.1%(5) stations in the range of 10-20mbgl. Water level beyond 20mbgl was found in 2 piezometers. Majority of water level was recorded within 0-5mbgl. The minimum water level of 0.3 magl was recorded in Dhalai district. The maximum water level (8.97mbgl) in dugwell and in piezometer (26.9mbgl) had been recorded in Gomati district and in West Tripura district respectively.

6.1.3 Depth to Water Level during November, 2019 (Fig. 7 and Annexure V)

Arunachal Pradesh

Depth to water level had been measured in 25GWMS of the state during the month of November 2019. In 44% (11) of the monitored stations the water level was found within 0-2 mbgl, in 36% (9) stations in the range of 2-5 mbgl, in 16% (4) stations in the range of 5-10 mbgl and in only one station it was recorded in the range of 10-20 mbgl. Both the minimum and maximum water levels of 0.25 magl and 10.4 mbgl had been recorded in Papumpare district.

Assam

During November 2019, depth to water level in majority of the stations(92.2%, 224Nos.) was found in the range of 0-5mbgl. Depth to water level in the range of 0-2mbgl was measured in 46.5%(113) stations, in the range of 2-5 mbgl in 45.7%(111) stations and in the range of 5-10mbgl in 6.6%(16) stations. Water level in the range of 10-20 mbgl was recorded

in 3(1.2%) stations only. Minimum water level (0.01magl) and maximum water level (18.32 mbgl) were recorded in Jorhat and Dhubri District respectively.

Meghalaya

During November 2019, water level in the state was recorded within 0-2 mbgl in 38.7% (24) of the monitored stations, in the range of 2-5 mbgl in 48.4% (30) stations and in the range of 5-10 mbgl in 8.1(5) stations . Water level above 20mbgl was observed in 4.8%(3) stations. The minimum water level of 0.15 mbgl was recorded in East Khasi Hills district. The maximum water level (9.74mbgl) in dugwell and in piezometer (39.89mbgl) had been recorded in West Jaintia Hills district and in East Jaintia Hills district respectively.

Nagaland

During November 2019, water level in the state had been monitored only in Dimapur district. Water level in 27.3% (3) of the monitored stations had been recorded within 0-2 mbgl and in 4 (36.4%) stations each in the range of 2-5 mbgl and 5-10 mbgl. The minimum and maximum water level had been recorded as 0.41 and 9.95 mbgl.

Tripura

During the month of November, 2019, water level in 24.5% (23) of the monitored stations of the state was recorded within 0-2 mbgl. Water level in the range of 2-5mbgl was found in 58.5% (55) stations , in the range of 5-10mbgl in 9.6% (9) stations and in 5.3%(5) stations in the range of 10-20mbgl. Only in 2 stations water level was observed beyond 20 mbgl. Majority of water level was recorded within 0-5mbgl. The minimum water level of 0.16 mbgl was recorded in Dhalai district. The maximum water level (9.18mbgl) in dugwell and in piezometer (26.89mbgl) had been recorded in Gomati district and in West Tripura district respectively.

6.1.4 Depth to water level during January, 2020 (Fig. 8 and Annexure VI)

Arunachal Pradesh

During the month of January, 2020 , groundwater level in the state was recorded in 26.9% (7) of the monitored stations within 0-2 mbgl, in 46.2% (5) stations in the range of 2-5 mbgl, in 19.2% (5) stations in the range of 5-10 mbgl and only in 2(7.7%) GWMS in the range of 10-20mbgl. Both the minimum and maximum water levels of 0.14 mbgl and 12.03mbgl had been recorded in Papumpare district.

Assam

Depth to water level scenario in the state during January, 2020 indicate water level within 5mbgl (87.6%, 225Nos.) in major part of the state. Depth to water level in the range of 0-2mbgl was recorded in 33.1%(85) stations, in the range of 2-5 mbgl in 54.5%(140) stations and in the range of 5-10mbgl in 10.5%(27) stations. Water level in the range of 10-20 mbgl was recorded in 4(1.5%) stations and above 20mbgl in one station only. The minimum water level of 0.11 mbgl was recorded in Jorhat and Karimganj district. The maximum water level of 20.06 mbgl had been recorded in Karbi Anglong District.

Meghalaya

During the month of January, 2020, water level in the range of 0-5 mbgl was recorded in 80%(48) of the monitored stations in the state. In 18.3% (11) stations, it was recorded in the range of 0-2 mbgl, in 61.7% (37) stations in the range of 2-5mbgl, and in 13.3% (8) stations in the range of 5-10mbgl. Water level in the range of 10-20mbgl was recorded only in 1 station and beyond 20mbgl was found in 3(5.0%) stations. The minimum water level (0.52mbgl) was recorded in West Jaintia Hills district. The maximum water level (11.63mbgl) in dugwell and in piezometer (43.93mbgl) had been recorded in West Jaintia Hills district and in East Jaintia Hills district respectively.

Nagaland

During January, 2020, water level in the state was recorded in 16.7% (2) of the monitored stations within 0-2 mbgl, in 50% (6) stations in the range of 2-5mbgl, in 25% (3) stations in the range of 5-10mbgl and only in 1 station in the range of 10-20 mbgl. Both the minimum water level (0.47 mbgl) and the maximum water level (10.4mbgl) had been recorded in Dimapur district.

Tripura

During the month of January, 2020, water level in 24.5% (25) of the monitored stations in the state was recorded within 0-2 mbgl. Water level in the range of 2-5mbgl was found in 52% (53) stations, in the range of 5-10mbgl in 15.7% (16) GWMS and in 4.9%(5) stations in the range of 10-20mbgl. Water level above 20mbgl was found in 3 stations in West Tripura district. Majority of water level was recorded within 0-5mbgl. The minimum water level of 0.02 mbgl was recorded in North Tripura district. The maximum water level (10.13mbgl) in dugwell and in piezometer (27.35mbgl) had been recorded in Gomati district and in West Tripura district respectively.

6.2 Water Level Fluctuation with respect to August 2019

6.2.1 Water Level Fluctuation, August 2019 and March 2019(Fig. 9 and Annexure VII)

Arunachal Pradesh

Rise in water level was observed in all the monitored stations during August 2019 as compared to that of March 2019. Rise had been recorded in 79.2% (19) stations in the range of 0-2 m and in 12.5% (3) stations in the range of 2-4 m. The rise was mostly restricted to 2m only. Fall was recorded only in two stations in Papumpare district.

Assam

Rise in water level in August 2019 was observed in 88.8%(198) of the GWMS in comparison to March 2018. Rise was recorded in 57.5% (126) stations in the range of 0-2 m, in 28.8% (63) stations in the range of 2-4 m and in 7.8% (17) stations above 4 m. Fall was observed in 5.9% (13) of the GWMS. The occurrence of fall in few stations may be due to pre-monsoon shower which caused rise in water level during March 2019.

Meghalaya

Comparison of water levels of August 2019 with that of March 2019 show rise in water level during August in majority of the GWMS. Rise in the range of 0-2 m was observed in 61.1% (33) stations, in the range of 2-4 m in 31.4% (17) stations and above 4 m in 3.7% (2) stations. Only 2(3.8%) stations recorded; one station each in the range of 0-2m and beyond 4m.

Nagaland

Rise in water level in Dimapur district of the state was observed in 80% (4) GWMS during August 2019 in comparison to that of March 2019. Rise was recorded in 2(40%) stations each in the range of 2-4m and beyond 4m. Only in 1 station fall was observed and it was restricted to 2 m.

Tripura

Majority of the GWMS recorded rise in water level during the month of August 2019 in comparison to that of March 2019. Rise was observed in 72.8% (67) stations in the range of 0-2 m, in 16.3%(15) stations in the range of 2-4 m and only in 1(1.1%) stations beyond 4 m. Fall in water level was restricted to 2m only and was recorded in 9.8%(9) stations.

6.3 Water Level Fluctuation with respect to November 2019

6.3.1 Water Level Fluctuation, November 2019 and March 2019(Fig. 10 and Annexure VIII)

Arunachal Pradesh

Comparison of water level of November 2019 and March 2019 indicates rise in 71.4% of the GWMS during November 2019. Rise was recorded in 47.6% (10) of the GWMS in the range of 0-2 m and in 3 (14.3%) stations in the range of 2-4 m. Fall was recorded only in 7 (33.3%) stations which may be due to rise of water level in March, 2019 caused by pre-monsoon shower.

Assam

By comparing the water level of November 2019 with that of March 2019 it is found that rise was recorded in about 90.9% (180) of the GWMS. Rise was observed in 66.1% (131) stations in the range of 0-2 m, in 19.2% (38) stations in the range of 2-4 m and in 5.6% (11) stations beyond 4 m. Fall was recorded in 9.1% (18) stations. Entire fall was restricted to 2m. The fall may be due to rise in water level caused by the occurrence of pre-monsoon shower in certain part of the state.

Meghalaya

Comparison of water level of November 2019 with that of March 2019 indicates rise in majority of the stations during November, 2019. Rise was recorded in the range of 0-2 m in 62.9% (34) stations, in the range of 2-4 m in 25.9% (14) of the stations and above 4m in 5.6% (3) stations. Fall was recorded in 6.25.6% (3) GWMS and it was in the range of 0-2 m.

Tripura

Most of the GWMS recorded rise in water level during November 2019 in comparison to March 2018. Rise in the range of 0-2m was recorded in 76.7% (69) stations and in 7.8% (7) stations in the range of 2-4 m. Fall was observed in 13.3% (12) GWMS in the range of 0-2 and only in 2 (2.2%) stations in the range of 2-4 m.

6.4 Water Level Fluctuation with respect to January 2020

6.4.1 Water Level Fluctuation, January 2020 and March 2019 (Fig. 11 and Annexure IX)

Arunachal Pradesh

By comparing the water levels of January 2020 with that of March 2019 it was found rise in 40% (8) of the the monitored stations during January, 2020. Entire rise was within 2m. Fall was recorded in 40% (8) stations in the range of 0-2 m and in 3 (15%) stations in the range of 2-4m and only in one station above 4m. The fall observed may be due to rise in water level caused by of pre-monsoon shower during March 2019 .

Assam

During January, 2020 rise in water level was observed in majority of the stations in comparison to that of March, 2019. Rise in the range of 0-2m was recorded in 67.2%(142) stations, in the range of 2-4 m in 11.4%(24) stations and in 6(2.8%) stations beyond 4m. Rise was observed mostly in Upper Assam, covering major parts of Dhemaji, Lakhimpur, Dibrugarh, Tinsukia, Biswanath, Jorhat and Golaghat district. Rise was also observed in parts of Karbi Anglong, Nagaon, Darrang, Morigaon and in Kamrup district. A general rise in water level had been recorded in the Barak valley.

Fall in water level was observed in 17.5%(37) of the GWMS in the range of 0-2 m and in one station each in the range of 2-4 m and above 4m. Fall was observed in major parts of Bongaigaon, Dhubri and Udalguri district.

Meghalaya

By comparing the water levels of January 2020 with March 2019 it was observed rise in majority of the stations during January 2020. Fall was recorded in 6(11.5%) stations. Entire fall was within 2m. Rise was observed in 71.2%(37) stations in the range of 0-2 m, in 15.4%(8) stations in the range of 2-4m and only in one station above 4m.

Nagaland

Comparison of water level of Dimapur district for January 2020 and March 2019 indicates rise during January, 2020 in 66.6%(4) monitored. Fall was recorded only in 2 stations, 1 station each in the range of 0-2m and above 4m.

Tripura

By comparing the water level of January 2020 with that of March 2019 it was observed rise during January, 2020 in 64.8%(61) stations in the range of 0-2 m and one station each in the range of 2-4 m and above 4m. Fall was recorded in 28.7%(27) stations in the range of 0-2 m and in 4.3%(4) stations in the range of 2-4 m. Both rise and fall in water level had been observed in all the district. However, fall was observed mostly in Dhalai, Gomati, North Tripura and South Tripura district.

6.5 Fluctuation of Water Level with respect to same month of the previous year

6.5.1 March 2019 and March 2018 (Fig. 12 and Annexure X)

Arunachal Pradesh

Comparison of water levels of March 2019 and March 2018 indicated rise in 84.2%(16) stations in the state in March, 2019. Fall was observed in 15.8%(3) stations. Entire

fall was found within 2m. Rise was observed in 42.1%(8) stations in the range of 0-2 m, in 31.6%(6) stations in the range of 2-4m and only in 2(10.5%) station above 4m.

Assam

Fall in water level in major part(66.6%, 137 stations) of the state was observed during March, 2019 in comparison to that of March, 2018. In 54.4%(112) stations fall was recorded in the range of 0-2 m, in 8.3% (17) stations in the range of 2-4 m and in 3.9% (8) stations above 4 m. In total, 33.4%(69) stations indicated rise; of which, 31%(64) was within 2m and in 1.5%(3) stations in the range of 2-4m and in 2 stations above 4m. Fall was mostly observed in Dibrugarh, Tisukia, Jorhat, Golaghat, Biswanath, Kamrup, Morigaon, Nagaon, and Bongaigaon district of the Brahmaputra valley and in Cachar, Karimganj and Hailakandi district of Barak valley. Rise was observed in major part of Dhemaji, Lakhimpur, Sibsagar and Udalguri district.

Meghalaya

Comparison of water level of March,2019 with that of March,2018 indicated fall during March,2019 in 78.8% (41) of monitored stations. All the rise(21.2%, 11) and fall were found within 2m except in one station in Ri-Bhoi district

Nagaland

Comparison of water levels of March 2019 of Dimapur district with that of March 2018 indicated fall during March,2019 in 66.7%(4) of the GWMS. Rise was observed in 33.3%(2) stations.

Tripura

Comparison of water level of March 2019 with that of March 2018 indicated fall in major part of the state during March,2019. Rise in water level was recorded in 27.8%(20) stations in the range of 0-2m and only in one station in the range of 2-4m. In total, fall was observed in 70.9%(51) stations, of which 68.1%(49) was in the range of 0.2m and in 1 station in the range of 2-4m. All the rise and fall had been found to be restricted to 2m except in 3 stations. Rise was observed in major parts of Dhalai and Khowai district and sporadically in Gomati, North Tripura, South Tripura and Unakoti district

6.5.2 August 2019 and August 2018(Fig. 13 and Annexure XI)

Arunachal Pradesh

Comparison of water levels of August 2019 and August 2018 indicated rise during August, 2019 in 73.9% (19) stations. Rise in the range of 0-2m was observed in 56.5%(13)stations, in the range of 2-4 m 13%(3) stations and only in 1(4.6%)station above 4m. Fall was recorded in 21.7%(5)stations in the range of 0-2m and in 1(4.4%)station in the range of 2-4 m. Both rise and fall were mostly restricted to 2m.

Assam

By comparing the water levels of August 2019 with August 2018 it was observed fall in 55.1%(124) stations of the state during August,2019. In 49.3%(111) stations fall was recorded in the range of 0-2m, in 4.5%(10) stations in the range of 2-4 m and in 1.3%(3) stations above 4m. Rise in water level was observed in 43.6%(98) stations in the range of 0-2m and in 3(1.3%) stations in the range of 2-4. Both rise and fall had been observed in most of the district. However, in major parts of Dibrugarh, Tinsukia, Dhemaji, Lakhimpur, Sonitpur, Kamrup, Goalpara and Dhubri district fall was observed. In Barak valley fall was observed in major part. Rise was observed mostly in Sibsagar, Jorhat, Golaghat, Karbi Anglong, Morigaon and Nagaon district.

Meghalaya

Comparison of water levels of August 2019 and August 2018 indicated fall in water in 48.3%(28)stations in the range of 0-2m and 1 station each in the range of 2-4m and above 4m. All the rise in water level had been found within 2m only and in 48.3%(28) stations.

Nagaland

By comparing the water level of of Dimapur district for August 2019 and August 2018 it was observed rise during August, 2019 in 90% (9) of the monitored stations of the state. Fall was recorded only in 1 station. Entire rise and fall were restricted to 2m.

Tripura

Comparison of water levels of August, 2019 and August 2018 indicates fall in water level in major part of the state during August,2019. In 32.1%(425) monitored stations rise was observed. Entire rise was within 2m. Fall was recorded in 58.9%(46) stations in the range of 0-2m, in 6.4%(5) stations in the range of 2-4m and only in two stations above 4m.the range of 2-4m located in Unakoti district. Entire fall was restricted to 2m and was recorded in 40.7%(24)stations.

6.5.3 November 2019 and November 2018 (Fig. 14 and Annexure XII)

Arunachal Pradesh

By comparing the water level of November 2019 and November 2018 it was observed rise in most of the monitored stations of the state during November, 2019. In 77.3% (17) of the GWMS rise was recorded and in 22.7% (5) fall was recorded. Entire rise and fall were within 2m.

Assam

In November, 2019 rise in water level was observed in the state in comparison to that of November, 2017 in 51.7% (120) stations. Rise in the range of 0-2 m was recorded in 48.7% (113) stations and in the range of 2-4m in 3% (7) stations. Fall was observed in 48.3% (112) stations. Rise was recorded in major parts of Tinsukia, Sibsagar, Jorhat, Golaghat, Sonitpur, Biswanath, Kamrup and Karbi Anglong district. Fall was observed mostly in Bongaigaon, Cachar, Darrang, Dhemaji, Dibrugarh, Morigaon, Nagaon and Udalguri district.

Meghalaya

In comparison to November 2018, fall in water level was recorded in 53.3% (31) monitored stations of the during November 2019. Rise was observed in the range of 0-2 m in 46.5% (27) stations and in the range of 2-4 m in 3.4% (2) stations. Fall was recorded in 48.3% (28) stations in the range of 0-2m and only in one station in West Garo Hills district in the range of 2-4m and at two stations above 4m located in Ri-Bhoi and West Garo Hills district.

Nagaland

During November, 2019 rise in water level was observed in 63.6% (7) monitored stations in Dimapur district of the state in comparison to November, 2018. Rise in the range of 0-2m was recorded in 54.5% (6) stations and only in 1 station in the range of 2-4m. Fall was observed in 2 Stations each in the range of 0-2m and 2-4m.

Tripura

Comparison of water levels of November 2019 and November 2018 indicated fall in major part of the state during November 2019. In total, fall was recorded in 66.7% (52) stations. except in one location in Dhalai district. Fall was observed in 60.3% (47) stations in the range of 0-2 m, in 5.1% (4) stations in the range of 2-4 m and only in 1 (1.3%) station above 4m located in West Tripura district. All the rise (33.3%, 26 stations) was recorded within 2m.

6.5.4 January 2020 and January 2019 (Fig. 15 and Annexure XIII)

Arunachal Pradesh

Rise in water level during January 2020 had been observed in most of the stations of the state in comparison to January 2019 data. Rise was observed in 13(61.9%) stations and fall in 8(38.1%) stations. Both rise and fall were restricted to 2m only.

Assam

In January, 2020 rise in water level was observed in majority of the stations in comparison to that of January, 2019. In 60.8% (152) stations it was found in the range of 0-2 m and in 3(1.2%) stations each in the range of 2-4 m and above 4m. Fall was observed in 36.8%(88) stations, of which 33.6%(84) was in the range of 0-2m, in 6(2.4%) stations in the range of 2-4m and in 2(0.8%) stations above 4m. Rise has been recorded in major parts of Tinsukia, Lakhimpur, Biswanath, Sonitpur, Jorhat, Karbi Anglong, Kamrup(M), Nagaon, Bongaigaon and Dhubri district. A general rise in water level was observed in the Barak valley. Fall was mostly recorded in Dhemaji, Morigaon and Udalguri district.

Meghalaya

In comparison to January 2019, rise in water level was recorded during January 2020, in major part of the state. In 69.1% (38) of the stations rise was observed; of which 65.5%(36) stations was in the range of 0-2 m and in 2(3.6%) stations in the range of 2-4 m. Fall was observed in 16(29.1%) stations in the range of 0-2 m and only in 1(1.8%) station in the range of 2-4 m located in East Garo Hills district.

Nagaland

By comparing the water level of January 2020 and January 2019, it was observed rise in most of the stations (8 Nos, 72.7%) in Dimapur district of the state during January 2020. Rise in the range of 0-2m was recorded in 54.5% (6) stations and in the range of 2-4m in 18.2%(2) stations. Fall was observed in 27.3%(3) stations; 1 station each in the range of 0.2m, 2-4m and above 4m.

Tripura

Rise in water level was recorded in major part of the state during January 2020 in comparison to January 2019. Rise in the range of 0-2m was recorded in 69.2%(56) stations, in the range of 2-4m in 2.5%(2) stations and above 4m in 1.2%(1) station. The fall in water level was recorded in 25.9%(21) stations in the range of 0-2m and only in 1 station in the range of 2-4m, located in West Tripura district. Fall had been observed in major part of Dhalai district. In other districts, it was observed in pockets.

6.6 Fluctuation of Water level with respect to Decade Mean (Preceding 10 Years)

Water level of a GWMS of the monitored months are compared with the mean water level data of preceding ten years to know any deviation i.e., rise and fall in long term water level trend .

6.6.1 March, 2019 and Decadal Mean, March ,2009-2018 (Fig. 16 and Annexure XIV)

Arunachal Pradesh

March, 2019 water level had been compared with mean water level data of the same period of preceding 10 years. Rising trend was observed in 84.6%(11) stations, of which 30.8%(4) stations were in the range of 0-2 m, 46.2% stations were in the range of 2-4m and in 1 station above 4m.. Declining trend was observed only in the range of 0-2 m, in 15.4%(2) stations. The maximum rising & falling water level trends are 6.56 m and 0.97 m respectively and had been recorded in Tirap and Papumpare district.

Assam

Comparison of March 2019 water level with mean water level data of the same period of preceding 10 years indicate rising trend in 49.1%(82) stations in the range of 0-2 m, in 3.6% (6) stations in the range of 2-4 m and only in 2(1.2%) stations above 4m. .Falling trend was observed in 41.3%(69) stations in the range of 0-2, in 5%(3) stations in the range of 2-4m and in 2(1.5%) stations above 4m. In total, rising trend was observed in 53.9%(90) of the monitored stations. The rising trend ranges from 0.01 to 4.53m and the declining trend ranges from 0.02 to 7.10 m. Both the rising and falling trend were mostly within 2 m. The maximum rising trend and declining trend had been recorded in Bongaigaon and Karbi Anglong District respectively. One station each in Cachar and Bongaigaon district indicated rise above 4m. Declining trend beyond 4m had been observed in three stations; one in Biswanath district and two stations in Karbi Anglong district. Both rise and fall had been observed in part of every district except Goalpara. However, in major parts of Tinsukia, Dhemaji, Lakhimpur, Biswanath, Sibsagar, Jorhat, East Karbi Anglong and Barpeta district of the Brahmaputra valley and Cachar, Hailakandi and Karimganj district of the Barak valley rise was recorded. Fall had been recorded in Goalpara district and mostly in parts of Nagaon, Morigaon and Dhubri district.

Meghalaya

March 2019 water level had been compared with mean water level data of the same period of preceding 10 years. In total, declining water level trend was observed in 82.6%(19) monitored stations of the state; of which 73.9%(17) stations were in the range of 0-2m and 8.75%(2) stations in the range of 2-4m. Rising water level trend was observed in 17.4%(4)

stations. Entire rising trend was recorded in the range of 0-2 m. The rising trend ranges from 0.20 to 1.09 m and the declining trend ranges from 0.22 to 2.2m. The maximum rising and declining trend had been recorded in West Jaintia Hills and South West Garo Hills district respectively..

Nagaland

In March, 2019, rising water level trend was observed in Dimapur district of the state in comparison with the mean water level data of the same period of preceding 10 years. The rising water level trend ranges from 0.90-9.31m.

Tripura

Comparison of March, 2019 water level data with the mean of the same period of preceding 10 years indicated rising trend in major part of the state except at 2 stations; located in Unakoti and West Tripura district. The rising trend ranges from 0.13- 3.71m and was found restricted to 2m in most of the stations (76%, 19 Nos.). The declining trend was found within 2m only. The maximum rising trend was recorded in Unakoti district.

6.6.2 August 2019 and Decadal Mean, August, 2009-2018 (Fig. 17 and Annexure XV)

Arunachal Pradesh

August, 2019 water level had been compared with mean water level data of the same period of preceding 10 years. Falling trend was observed in August, 2019 in 58.8% (10) stations. The decline ranges from 0.06 to 2.59m. Rising trend was observed in 41.2% (7) stations and found ranging from 0.06-1.72m. The maximum decline was recorded in Changlang district.

Assam

August 2019 water level had been compared with the mean water level of the same period of preceding 10 years and it was observed rising trend in water level in 42.5% (71) stations in the range of 0-2 mbgl and in 2.4% (4) stations in the range of 2-4m. Falling trend was recorded in 50.3% (84) stations in the range of 0-2m, and in 4 (2.4%) stations each in the range of 2-4 m and above 4m. Both the rising and falling trends were found mostly within 2 m and in part in most of the districts. However, rise was recorded in major parts of Golaghat, Jorhat, Morigaon, Nagaon and Karimganj district. Decline was recorded in major parts of Dibrugarh, Dhemaji, Lakhimpur, Biswanath, Sonitpur, Udalguri, Darrang, Karbi Anglong and Kamrup district. The maximum rising (2.8 m) and the maximum falling water level (4.80m) had been recorded in Hojai and Cachar district respectively.

Meghalaya

August, 2019 water level had been compared with mean water level data of the same period of preceding 10 years. In August, 2019 it was found rising and falling water level trend in equal no. of monitored stations in the state. The entire declining trend was observed restricted to 1m only. The rise ranges from 0.03 to 2.81 m and the fall ranges from 0.03 to 1.01 m. The maximum rising and falling water level had been recorded in West Garo Hills and Ri-Bhoi district respectively.

Nagaland

Comparison of August 2019 water level with mean of the same period of preceding 10 years of the state could be done only for Dimapur district. The comparison indicates rising water level trend in all the monitored stations. The rise ranges from 0.52 to 1.93m.

Tripura

In August, 2019, rising water level trend was observed in the state in comparison to the mean water level of the same period of preceding 10 years. Both rise and falling trend had been observed in parts of all the district except in Sipahi-Jala district. Fall had been recorded in all the stations located in Sipahi-Jala district and in major parts of Gomati and South Tripura district. Rise had been observed in major parts of Dhalai, Khowai, North Tripura and Unakoti district. The declining trend ranges from 0.07-5.25m. Maximum fall was recorded in Dhalai district. Most of the rising and falling trend had been observed within 2m. The rising water level trend ranges from 0.07-2.59m; the maximum value was recorded in West Tripura district.

6.6.3 November 2019 and Decadal Mean, November, 2009-2018 (Fig.18 and Annexure XVI)

Arunachal Pradesh

November 2019 water level had been compared with mean water level data of the same period of preceding 10 years. It was observed falling trend in 52.9%(9) of the monitored stations during November, 2019. Rise was recorded in 47.1%(8) stations. All the rising trend and falling trend had been found restricted to 2m. The rise ranges from 0.02 to 1.10m and the fall ranges from 0.06 to 1.54 m. The maximum rising and the falling trend in water level had been recorded in Papumpare and Lohit districts respectively.

Assam

Comparison of November 2019 water level with mean of the same period of preceding 10 years indicate rising trend in 58.6%(85) GWMS. Rise in the range of 0-2m was recorded in 55.1%(80) stations, in the range of 2-4m in 2.8%(4) stations and only in 1 station above 4m. Declining water level was observed in 40.7%(59) stations in the range of 0-2m and only in

1(0.7%) station in the range of 2-4m. Most of the rising and declining trends had been found within 2m. The rise ranges from 0.02 to 4.14 m and the fall ranges from 0.01 to 2.02 m. The maximum rising and the falling trend in water level had been recorded in Golaghat and Dhubri district respectively.

Rise and fall occur nearly in all the districts. However, rise was recorded in major parts of Cachar, Hailakandi and Karimganj of Barak Valley and in Dhemaji, Lakhimpur, Tinsukia, Sibsagar, Sonitpur, Jorhat, Kamrup and Karbi Anglong district of the Brahmaputra valley. Fall was observed in Dibrugarh, Biswanath, Nagaon, Darrang, Udalguri, Bongaigaon and Dhubri district.

Meghalaya

Comparing November 2019 water level with mean of the same period of preceding 10 years it was found that 57.9%(11) GWMS indicated falling trend in water level during November, 2019. Entire fall was found within 2m. Rise was recorded in 36.8% (& 0 stations in the range of 0-2m and only in 1(5.3%) station above 4m. The rising and declining trend ranges from 0.11 to 2.89m and 0.01 to 1.53 m respectively. The maximum rising and declining trend in water level had been recorded in West Garo Hills and east Garo Hills district respectively.

Nagaland

Comparison of November 2019 water level with mean water level data of the same period of preceding 10 years indicated falling trend during November, 2019 in 75%(3) stations of Dimapur district of the state. Fall was recorded only in 1 station. The only rise (6.48m) and the declining trends range from 1.5 to 2.96m .

Tripura

November 2019 water level had been compared with mean water level data of the same period of preceding 10 years and it was observed that 62.5%(20) stations indicated fall. Fall was recorded in 59.4%(19) stations in the range of 0-2m and only in 1(3.1%) station above 4m. Rise had been recorded in 37.5%(12) stations; of which 34.4%(11) stations were in the range of 0-2m and in 1 station in the range of 2-4m.. The rising and declining trend range from 0.08 to 2.66 m and 0.01 to 5.10 m respectively. The maximum rising and declining trend in water level had been recorded in West Tripura and Dhalai district respectively.

6.6.4 January 2020 and Decadal Mean , January, 2010-2019 (Fig.19 and Annexure XVII)

Arunachal Pradesh

January 2019 water level had been compared with mean water level data of the same period of preceding 10 years. It was observed falling trend in 61.2%(11) of the monitored stations during January, 2020. Fall in the range of 0-2m was recorded in 55.6%(10) stations and in the range of 2-4m in 1(5.6%) station only. All the rising trend was recorded within 2m and in 38.8%(7) stations. The maximum rising trend of 0.75 m and maximum falling trend of 2.05m had been recorded in Papumpare and Tirap district respectively.

Assam

Comparison of January, 2019 water level with mean of the same period of preceding 10 years indicate rising trend in 64.8%(127) stations during January, 2020. Rise in the range of 0-2m was recorded in 59.2%(116)stations, in the range of 2-4m in 4.1%(8) stations and beyond 4m in 1.5%(3) stations. Declining trend was observed in 32.5%(64) stations in the range of 0-2m and in 2.6%(5) stations in the range of 2-4m. Most of the rising and declining trend had been found within 2m. The maximum rising (6.46m) and the falling trend (3.59 m) in water level had been recorded in Biswanath and East Karbi Anglong district respectively. Rise and fall occur nearly in all the districts. However, rise was recorded in major part of Cachar, Hailakandi and Karimganj of Barak Valley and in Dhemaji, Lakhimpur, Dibrugarh, Tinsukia, Sibsagar, Jorhat, Goalghat, Sonitpur, Karbi Anglong, Nagaon, Morigaon, Kamrup(M) and Goalpara district of the Brahmaputra valley. Fall was observed in major part of Bongaigaon, Dhubri and Udalguri district.

Meghalaya

Comparing January, 2020 water level with mean of the same period of preceding 10 years it was found that 52%(13) stations indicated rising trend in water level during January, 2020. In 44%(11) stations decline was recorded in the range of 0-2m and only in 1(4%) station in the range of 2-4m. The rising trend was observed within 2m in 48%(12)stations and only in 1 station in the range of 2-4m. The maximum rising (3.10m) and declining trend (2.12m) in water level had been recorded in West Garo Hills district and North Garo Hills district respectively.

Nagaland

Comparison of January, 2020 water level with mean water level data of the same period of preceding 10 years had been carried out for Dimapur district only. Rise in water level was recorded in 66.7%(2) stations and found within 1m. The falling trend (2.42m) had been found in one station. in Dimapur district.

Tripura

January, 2020 water level had been compared with mean water level data of the same period of preceding 10 years and it was observed that 55.8%(19) stations indicated rise in January, 2020. Rise was recorded in 50%(17) stations in the range of 0-2m and in 1(2.9%) station each in the range of 2-4m and above 4m. The falling trend had been found in the range of 0-2m in 41.3(14) stations and only in one station in the range of 2 to 4m. Both the maximum rising (4.43m) and declining trend (4.0m) in water level had been recorded in West Tripura district. Rise and fall had been observed in parts in all the district. However, in major parts of Khowai, North Tripura, South Tripura and Sipahi-Jaladistrict rise had been recorded. Decline in water level was recorded mostly in Dhalai and Gomati district.

6.7 Ground Water Level Trend (2010-2019), Pre Monsoon

The historical water level data of GWMS have been analysed for determining long term water level trends for the period , 2010-2019. A total number of 552 stations have been analysed for pre-monsoon water level trends. The frequency of stations showing rising or falling trend during pre-monsoon period is given in Annexure-XVIII. State-wise analysis is as follows.

6.7.1 Arunachal Pradesh

Water level data of 27 stations have been analysed for pre-monsoon water level trend. Out of these, 22 stations show rising trend ranging from 0.01 to 0.21m/year whereas, 5 stations show falling trend ranging from 0.03 to 0.15m/year. The maximum fall is observed in Papumpare district. Significant decline in water level trend has not been observed in the state.

6.7.2 Assam

Water level data of 349 stations have been analysed for pre-monsoon water level trend. Out of these, 180(51.6%) stations show rising trend ranging from 0.01 to 2.89m/year and 169(48.4%) stations show declining trend ranging from 0.01 to 1.19m/year. Both rising and falling trends of water level have been observed all over the state .

The rising trend above 0.20m/year was observed in 52 stations in the state. The falling trend beyond 0.20 m/yr has been observed in 38 stations. The maximum falling trend has been observed in Cachar district. A general decline in water level has been observed in the pre monsoon period.

6.7.3 Meghalaya

Data of 62 stations have been analysed for pre-monsoon water level trend. Out of these, 24 stations show rising trend ranging from 0.01 to 0.507m/year and 38 stations show declining trend ranging from 0.02 to 0.497m/year in dugwells. Most of the rising and declining trends have been restricted below 0.2m/year except in few stations. In piezometers the rising and declining trends have been observed as 0.14 to 6.39m/year and 0.07 to 1.32m/year.

6.7.4 Nagaland

Data of 29 stations have been analysed for pre-monsoon water level trend. Out of these, 24 stations show rising trend ranging from 0.05 to 2.31m/year whereas, 5 stations show falling trend ranging from 0.038 to 0.501m/year.

6.7.5 Tripura

Analysis for ground water level trend of Tripura state has been done for 85 stations for pre-monsoon period. Out of these, 53 stations show rising trend and 32 stations show declining trend. The rising trend ranges from 0.003 to 2.26 m/year and the declining trend was observed in the range of 0.001 to 2.36m/year. Both the maximum decline and maximum rise have been observed in South Tripura district.

6.8 Ground Water Level Trend (2010-2019) ,Post Monsoon

The historical water level data of GWMS have been analysed for determining long term water level trend for the period ,2010-2019. Water level data of 564 stations have been analysed for postmonsoon water level trend. The frequency of stations showing rising or falling trends of water levels during post-monsoon period is given in Annexure-XIX. State-wise analysis is as follows.

6.8.1 Arunachal Pradesh

Data of 21 stations have been analysed for post-monsoon water level trend. Out of these, 16 stations show rising trend ranging from 0.047 to 0.438/year whereas, 5 stations show falling trend ranging from 0.013 to 0.103m/year. The maximum fall has been observed in Lower Subansiri district. The declining water level trend observed is not significant.

6.8.2 Assam

Data of 350 stations have been analysed for post-monsoon water level trend. Out of these, 225(64.3%) stations show rising trend ranging from 0.01 to 2.33m/year and 125(35.7%)

stations show falling trend ranging from 0.01 to 0.94 m/year. Both rising and falling trends have been observed all over the State.

The rising trend above 0.20 m/year has been observed in 70 stations in the State. The fall beyond 0.20 m/yr has been observed in 28 stations. The maximum falling trend has been found as 0.94m/year in Kamrup(M) district. A general rise in water level has been observed in the post monsoon period.

6.8.3 Meghalaya

Water level data of 65 stations have been analysed for post-monsoon water level trends. Out of these, 37 stations show rising trend ranging from 0.01 to 0.73m/year and 28 stations show declining trend ranging from 0.004 to 2.86m/year in dugwells. Most of the rising and declining trends have been restricted below 0.2m/year. In piezometers the rising and declining trends have been observed as 0.4 to 6.4m/year and 0.01 to 2.97m/year.

6.8.4 Nagaland

Data of 29 stations have been analysed for post-monsoon water level trend. Out of these, 25 stations show rising water level trend ranging from 0.03 to 2.312m/year. In 7 stations falling trend ranging from 0.004 to 0.51m/year has been observed. The maximum fall is observed in Wokha district.

6.8.5 Tripura

Data of 99 stations have been analyzed for post-monsoon water level trends for the state of Tripura. Out of these, 71 stations show rising trend and 28 stations declining trend. The rising trend was in the range of 0.01 to 2.26 m/year and the declining trend in the range of 0.01 to 1.62m/year. Maximum declining and maximum rising trends have been observed in South Tripura district. Most of the rise and decline have been recorded below 0.20m/year.

6.9 Area under water logged and prone to water logging conditions (Fig.20 and Fig.21)

Water logging conditions prevail in many places of the North Eastern States. Water level in phreatic condition is found to occur mostly within 5.0 mbgl throughout the year. Water levels within 3.00 mbgl are recorded in 35%(151) stations during premonsoon and in 62.3% (271) stations during post-monsoon period. Shallow water level conditions in the region occur due to high rainfall recharge and poor ground water draft from shallow aquifers. Low ground water gradient in valley areas results in water logging conditions. Maps showing areas under

water logged and prone to water logging conditions have been prepared (Fig. 20 and 21) for both pre- and post-monsoon.

Water Logged Area and Area prone to water logging condition:

Water logged area is demarcated based on depth to water levels within 2.0 mbgl. Prone to water logging areas are demarcated with depth to water level from 2-3mbgl. During pre-monsoon period (March 2019), 19.7% (85) stations show water logging condition, whereas 15.3% (66) stations show prone to water logging condition. During post monsoon period (November 2019) 39.5% (172) stations show water logging condition and 22.8% (99) stations show prone to water logging condition. During Pre-monsoon period water logged and prone to water logging areas have been observed in Dhemaji, Lakhimpur, Biswanath, Tinsukia, Sibsagar, Jorhat, Sonitpur Kamrup, Karbi Anglong and Bongaigaon district of the Brahmaputra valley. In major parts of Cachar, Hailakandi and Karimganj district of Barak valley waterlogging condition was observed. Water logged and prone to water logging areas have been observed in pockets in Arunachal Pradesh, Meghalaya and in Dhalai, Gomati, Khowai, North Tripura, Sipahi-Jala, Unakoti and South Tripura district of Tripura.

During post-monsoon period (November, 2019), water logged and prone to water logging conditions have been observed in major parts of Barpeta, Biswanath, Cachar, Dhemaji, Dibrugarh, Goalpara, Hailakandi, Jorhat, Kamrup, Karbi Anglong, Karimganj, Nagaon, Morigaon, Lakhimpur, Sibsagar, Sonitpur and Tinsukia district in Assam and in parts of all the districts of Tripura. In Meghalaya, in all the district shallow water levels in pockets have been observed except in Jaintia Hills. Out of 435 analysed stations, water level in the range 0-2mbgl had been recorded in 172 (39.5%) stations and in the range of 2-3mbgl in 99 (22.8%) stations. Remaining stations, most of which are located near inselbergs or in hard rock areas or in foothills show water levels above 3mbgl.

It is observed that in both pre and post monsoon periods, a large part of the alluvial area in the region show water level in the range of 0 to 3 mbgl (Fig 20 and 21). Water logging condition during pre-monsoon period in major parts of Goalpara, Golaghat, Dhubri and Hojai district had not been observed but during post-monsoon period, most of these areas were under water logging conditions. Occurrence of water logging conditions in the region is due to high rainfall, shallow water level and a meagre ground water draft in vast flood plains of the Brahmaputra and Barak river system.

7. HYDROCHEMISTRY

Chemical quality of ground water is being monitored every year for temporal and spatial changes and to study their causes. Water samples are collected in the month of March (pre-monsoon) and November (post monsoon) every year. Water quality standards for drinking use and the overall chemical quality of ground water of North Eastern region for the year 2019-2020, are shown in **Annexures – XX**.

The chemical constituents analyzed were compared with the standard values given by BIS (IS 10500:2012). The minimum and maximum values of iron (Fe) and 16 basic constituents of ground water in North Eastern region for the pre-monsoon period (March, 2019) are presented in Table 5.

During March, 2019 pH value below acceptable limit was observed in certain parts of Assam, Meghalaya and Tripura. Similarly, ground water with pH beyond permissible range was also found in Assam, Meghalaya and Tripura. In case of Total Dissolved Solids, the level of TDS in entire North Eastern Region was within permissible limit. However, in some parts of Assam and Tripura it was found beyond acceptable limit. Similarly, though Chloride content in all the states were found within permissible limit, in some parts of Assam and Tripura it was found beyond acceptable limit (250 mg/L). Fluoride contamination of Ground water was found to some extent in Assam (4.7 mg/L) and Tripura (2.3 mg/L). Total alkalinity (as CaCO₃) content was found to exceed the permissible limit in parts of Assam (945.76 mg/L) and Tripura (505.40 mg/L). Magnesium content was found beyond permissible limit in pockets in the state of Assam. Other chemical constituents in the entire region were found within permissible limit of BIS (2012), except Iron. Occurrence of high iron content (>1 mg/L) was found in major part of the Brahmaputra valley in Assam and sporadically in Arunachal Pradesh, Meghalaya and Tripura. Maximum concentration of iron (14.28 mg/L) was detected at Dhing of Nagaon District, Assam. However, the overall ground water qualities for other constituents in all the states were found within range for drinking purpose.

The Trace metal (arsenic) analysis of water samples of previous groundwater year (2018-19) for pre-monsoon could not be completed during the year. Hence, results of analyses are incorporated in this report (**Table. 6 & Annexure XXI**).

The Trace metal constituents and uranium content of water samples collected during November, 2019 were analyzed and compared (Table 6) with the standard values given by BIS (IS 10500:2012). Chromium, copper, zinc, aluminium, selenium, silver, cadmium and uranium contents were found well within acceptable limit. Manganese content was found beyond

permissible limit at one location in Arunachal Pradesh and in pockets in Assam, Meghalaya, Nagaland and Tripura. Occurrence of high Lead contents were found in pockets in Udalguri, Baksa, Kokrajhar and Bongaigaon district of Assam.

During pre-monsoon period of previous year (March, 2018) arsenic concentration was found within permissible limit in all the states except Assam. In Assam, it was detected slightly above the permissible limit only at one location (Badarpur, 12.63 $\mu\text{g/L}$) in Karimganj district of Assam. In the post monsoon period arsenic content was found well within the permissible limit in all the states .

Table – 5 Chemical qualities of ground water samples of NE-region (Pre-Monsoon, 2019) showing the maximum and minimum values vis-à-vis drinking water standards (IS 10500:2012)

S.No.		Arunachal Pradesh		Assam		Meghalaya		Nagaland		Tripura		IS 10500:2012	
State		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Acceptable limit)	Permissible limit*
pH		7.09	8.23	5.67	8.66	4.23	10.01	6.04	6.29	4.67	9.40	6.5-8.5	6.5-8.5
Turbidity, NTU		BDL	BDL	0.10	0.60	0.10	0.50	BDL	BDL	0.10	0.70	1	5
EC ($\mu\text{s/cm}$) 25°C		41.86	412.00	38.75	1543.00	31.86	525.80	287.20	544.80	58.29	1178.00	-	-
TDS	mg/L(ppm)	22.09	220.30	22.91	798.50	16.77	278.10	155.80	297.10	7.21	634.90	500	2000
CO ₃ ⁻²		20.00	20.00	10.00	300.00	10.00	80.00	BDL	BDL	20.00	120.00	-	-
HCO ₃ ⁻¹		15.01	135.11	20.02	935.76	5.00	105.08	15.01	20.02	10.01	385.40	-	-
CaCO ₃		15.01	135.11	20.02	945.76	5.00	180.14	15.01	20.02	10.01	505.40	200	600
Chloride		10.64	124.08	7.09	311.96	17.73	127.62	74.45	244.61	7.09	258.79	250	1000
Sulphate		6.14	54.93	1.84	92.60	2.61	86.43	2.26	14.88	2.70	131.36	200	400
Nitrate		0.31	9.30	0.07	14.28	0.10	16.56	7.77	12.41	0.03	17.16	45	45
Fluoride		0.06	0.26	0.03	4.70	0.02	0.39	0.12	0.15	0.02	2.30	1	1.5
Calcium		4.00	40.03	4.00	72.06	2.00	56.04	16.01	18.01	4.00	46.04	75	200
Magnesium		1.21	12.12	1.21	117.72	2.42	15.77	9.70	12.13	1.21	33.96	30	100
Total Hardness (as CaCO ₃)		25.00	130.00	20.00	500.00	25.00	190.00	85.00	90.00	20.00	450.00	200	600
Sodium		3.57	58.90	1.99	176.28	3.30	106.62	13.93	34.29	2.53	107.64	-	-
Potassium		0.29	19.07	0.21	53.40	0.47	28.99	0.55	1.19	0.12	19.37	-	-
Iron	0.022	9.814	0.002	14.682	0.005	3.903	0.039	0.127	0.007	2.673	1	-	

Table – 6 Chemical qualities of ground water samples of NE-region (2019) showing the maximum and minimum values of Trace metals and uranium vis-à-vis drinking water standards (IS 10500:2012)

State	Arunachal Pradesh		Assam		Meghalaya		Nagaland		Tripura		Acceptable limit	Permissible limit*	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max			
Chromium (Cr)	Concentration (mg/L)	0.00002	0.0014	0.000002	0.1085	0.00001	0.0033	0.00007	0.0018	0.00001	0.0066	0.05	No relaxation
Manganese (Mn)		0.00071	0.3468	0.00052	3.8516	0.00080	0.9590	0.01110	0.4672	0.00359	11.2666	0.1	0.3
Nickel (Ni)		0.00009	0.0191	0.00006	0.1206	0.00005	0.0078	0.00406	0.0282	0.00043	0.3155	0.02	No relaxation
Copper (Cu)		0.000001	0.0032	0.000001	0.0071	0.000001	0.0141	0.00036	0.0017	0.00001	0.2771	0.05	1.5
Zinc (Zn)		0.00420	1.3447	0.00285	10.1377	0.00856	2.9529	0.01633	0.1154	0.00597	0.3256	5	15
Alluminium (Al)	Concentration (µg/L)	0.4191	29.1107	0.2873	84.8249	0.7763	152.042	2.4500	78.8463	1.7365	185.678	30	200
Arsenic (As)		0.0066	0.2156	0.0113	5.2258	0.0010	1.3441	0.0650	0.4143	0.0046	5.0017	10	10
Selenium (Se)		0.0043	0.1024	0.0000	3.0274	0.0064	2.0116	0.0083	0.4166	0.0003	1.1726	10	No relaxation
Silver (Ag)		BDL	BDL	0.0005	0.0467	0.0051	0.0371	BDL	BDL	0.0004	0.3089	100	No relaxation
Cadmium (Cd)		0.0068	0.4236	0.0008	0.4204	0.0017	0.1605	0.0181	0.1077	0.0024	0.4974	3	No relaxation
Lead (Pb)		0.0032	4.2918	0.0003	42.1180	0.0006	1.4803	0.0182	0.3779	0.0071	3.0205	10	No relaxation
Uranium (U)		0.0001	0.1390	0.0005	10.6548	0.0007	0.4954	0.0030	0.7511	0.0029	0.3945	30** (WHO limit)	

8.CONCLUSIONS

1. Seven states viz. Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland and Tripura together form North Eastern Region occupying a geographical area of 2,55,083 sq. km. Most of the States are being hilly, only 30% of the total region is plain area. Assam is the only State in the region, which is occupied by 73% of plain area. In the Region, 624 stations are being monitored of which 385 are in Assam.
2. Geologically, the region is underlain by different formations, ranging in age from Archaean to Recent. More than 90% of the aquifers in the region belong to the Recent Alluvium and Tertiary Sandstones.
3. Hydro-geologically, the area is divided into Unconsolidated, Semi-consolidated and Consolidated Formations. In the entire area, about 31% area is covered by Unconsolidated Formations. Ground water occurs in unconfined to confined conditions. Major parts of Manipur, Nagaland, Mizoram, Tripura, parts of Arunachal Pradesh, Meghalaya and southern part of Assam States are underlain by Semi-consolidated Formations of Tertiary sandstone. In Consolidated Formations, ground water is restricted to the weathered residuum, joints and fractures.
4. During the year, 2019-20, the general depth to water level scenario in the region in March, 2019, depicts water level within 5.0 mbgl, in 74.8%, i.e. 326 stations show a depth range of 0 to 5 mbgl, out of which about 19.7% of the stations indicated water level within 2 mbgl and 55.1% stations between 2 and 5 mbgl. 87 (25.9%) stations recorded water level between 5 and 10 mbgl, most of which are located near the inselbergs. Water levels ranging between 10 and 20 mbgl were observed in 17(3.9%) stations in Papumpare district of Arunachal Pradesh, Dhubri, Hojai and Karbi Anglong district of Assam West Jaintia Hills district of Meghalaya and piezometers of Khowai, South Tripura, West Tripura district of Tripura..In 6(1.4 %) of GWMS ie.piezometers of East Jaintia and Ri-Bhoi district of Meghalaya and in West Tripura district water level was recorded at depths beyond 20m.
5. The water level during post-monsoon period (November 2019) was mostly recorded in the range of 0 to 5 mbgl. Water level within 5 mbgl has been recorded in 383(88%) stations, out of which, 174(40%) stations recorded water level within 2 mbgl and 209(48%) stations record water levels from 2 to 5 mbgl. Water level in the range of 5 to 10 mbgl was recorded in 38 (8.7%) stations and in 9 (2.1%) stations in the range of 10 to

20mbgl. In 5 (1.2%) piezometers of Meghalaya and Tripura water level beyond 20mbgl was observed..

6. In comparison to pre-monsoon, during post monsoon rise in water level within 4 m had been recorded in 24(87.9%) stations. Rise was recorded within 2 m in 246 (66.7%) stations and in the range of 2 to 4m in 63(17.1%) stations. In 15 (4.1%) stations rise in water level above 4m had been observed. In 45 (12.1%) stations fall in water level was observed, out of that 42 (5.5%) stations indicated fall in the range of 0 to 2 m, in 3 (0.5%) stations from 2-4m and in 1 station above 4m. The reverse ground water scenario occurs at few places due to sufficient pre-monsoon shower resulting considerable rise in water level during pre-monsoon and at some places due to scanty and erratic rainfall received during monsoon period of 2019.
7. Water level monitored during March 2019 was compared with mean water level data of preceding 10 years. The compared result indicates, in general, a rise in 128 (55.6%) stations and fall in 102 (54.4%) monitored stations. Rise within 2 m have been observed in 110(47.8%) stations and in the range of 2 to 4m in 14 (6.1%) stations and beyond 4 m in 4(1.7%) stations. Fall in water level with respect to decadal mean have been observed within 2m in 92(40%) stations, in the range of 2m to 4m in 7(3%) stations and beyond 4 m in 3(1.3%) stations
8. Comparison of water level monitored during November 2019 and mean water level data of preceding 10 years rise in 114 (52.5%) stations and fall in 103 (47.5%) monitored stations. Rise within 2 m have been observed in 106(48.8%) stations and in the range of 2 to 4m in 6 (2.8%) stations and beyond 4 m rise in 2(0.9%) stations. Fall in water level with respect to decadal mean have been observed within 2m in 99(45.6%) stations, in the range of 2m to 4m in 3(1.4%) stations and beyond 4 m in 1 (0.5%) station.
9. Water levels of post-monsoon for last 10 years were taken for trend analysis. A total number of 435 stations were analysed. During post monsoon period 144 stations show a declining water level trend mostly within 0.19m/year. Only 49 stations showed decline above 0.2m/year. Significant decline is not observed anywhere in the region. The rise is observed in 119 stations ranging mostly from 0.19m/year. 123 stations indicated rise above 0.2m/year.
10. In general, the chemical quality of the ground water is good for both the domestic and irrigation purposes except the sporadic occurrence of the high concentration of Iron in

considerable parts of the region. In those areas, Iron treatment plants are to be installed and the water should be used only after proper treatment.

11. Development of ground water in North Eastern Region is still in nascent stage. There is an ample scope for development of this replenishable natural resource. This region being hilly, only 30% of the existing valley area can be developed. In the hilly area, there is a very little scope for ground water development. However, the hilly terrain of the region is bestowed with many perennial springs, which can be developed for both the small-scale irrigation and domestic use. Moreover, rainfall in the region being quite sufficient, roof-top rain water harvesting May also is adopted to augment ground water resources in the area. If this natural resource is harnessed with proper planning and management, the entire agro-economic scenario of the region can be uplifted.

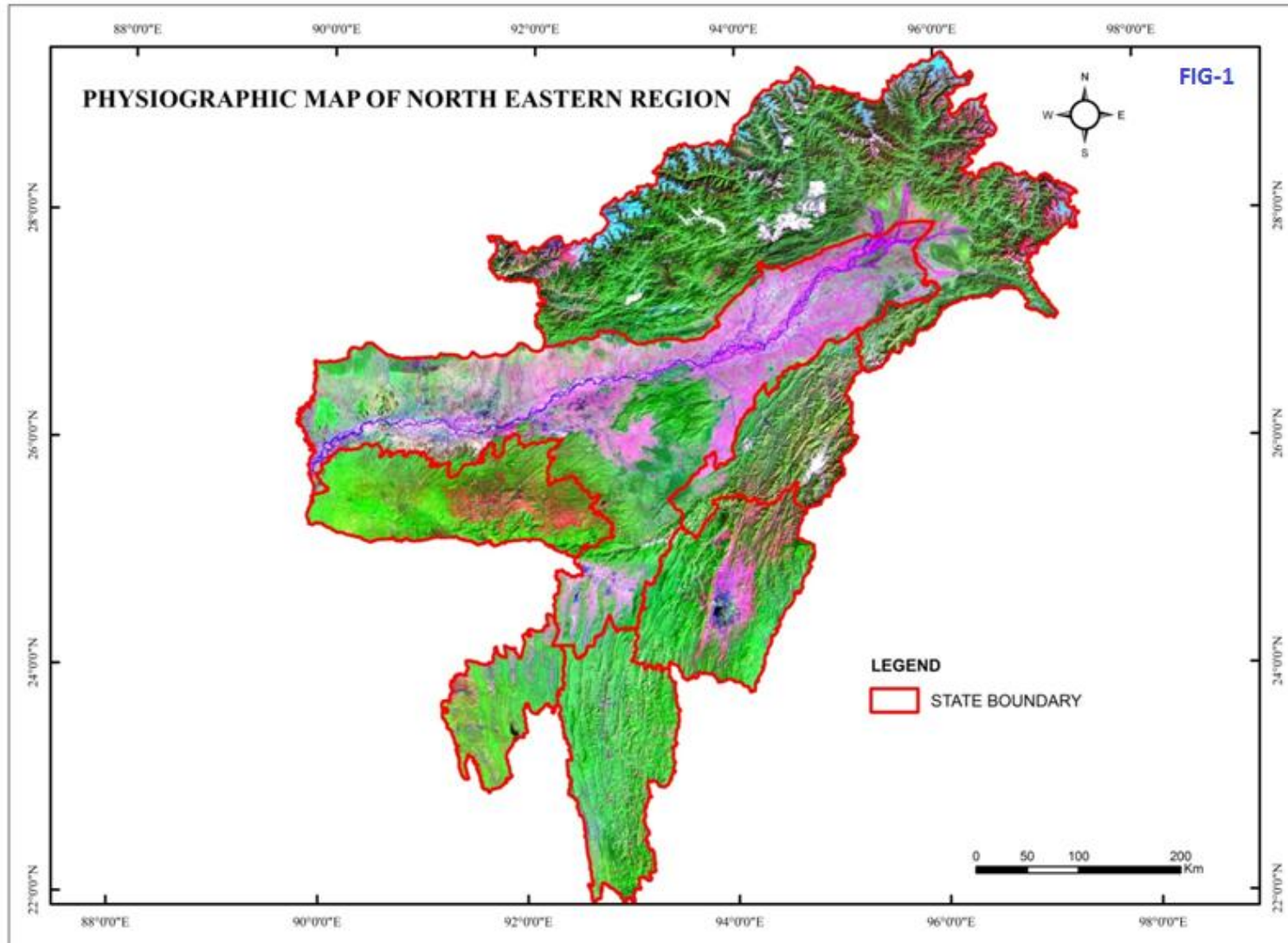


Fig.1 Physiographic Map of North Eastern Region

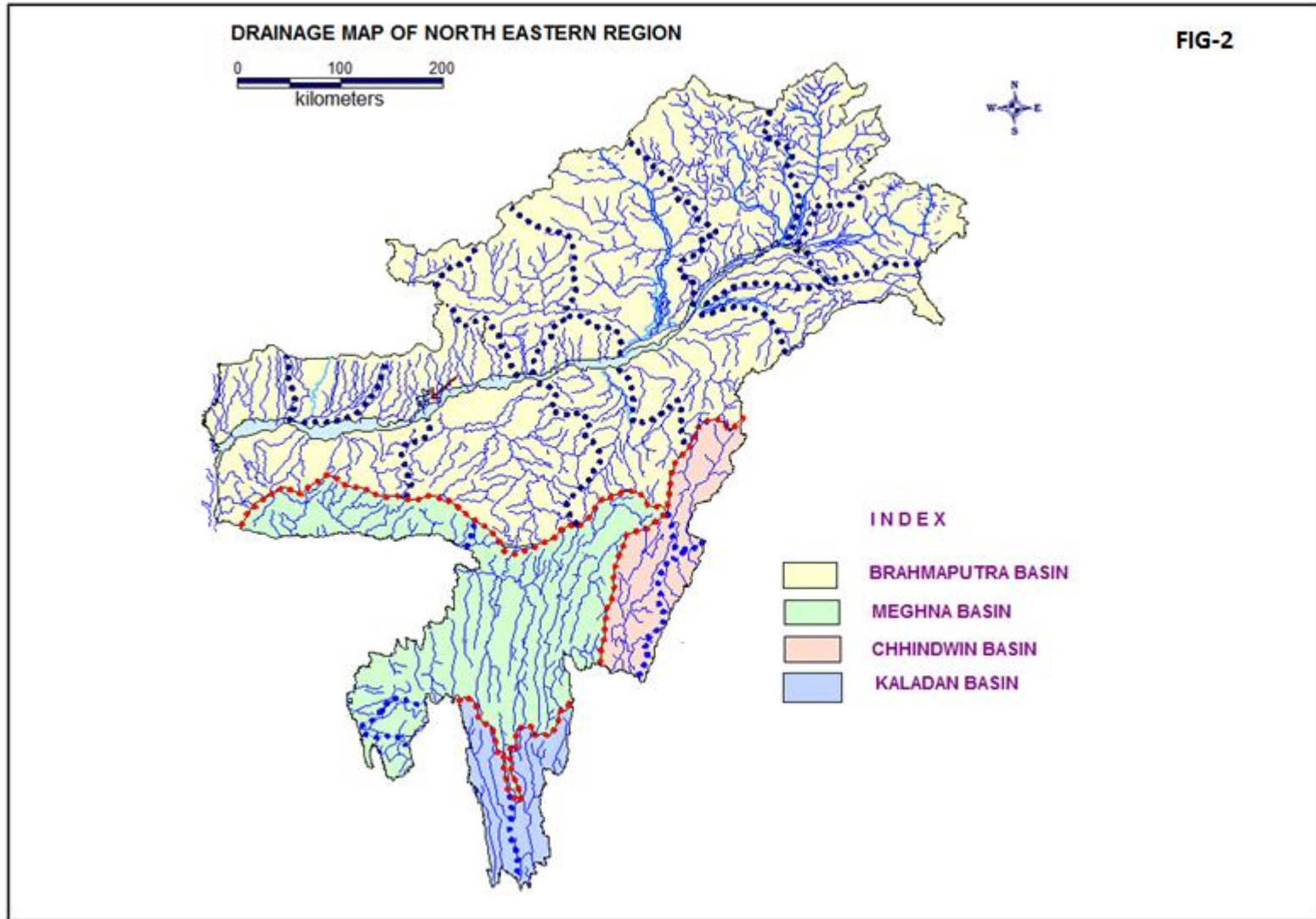


Fig.2 Drainage Map of North Eastern Region

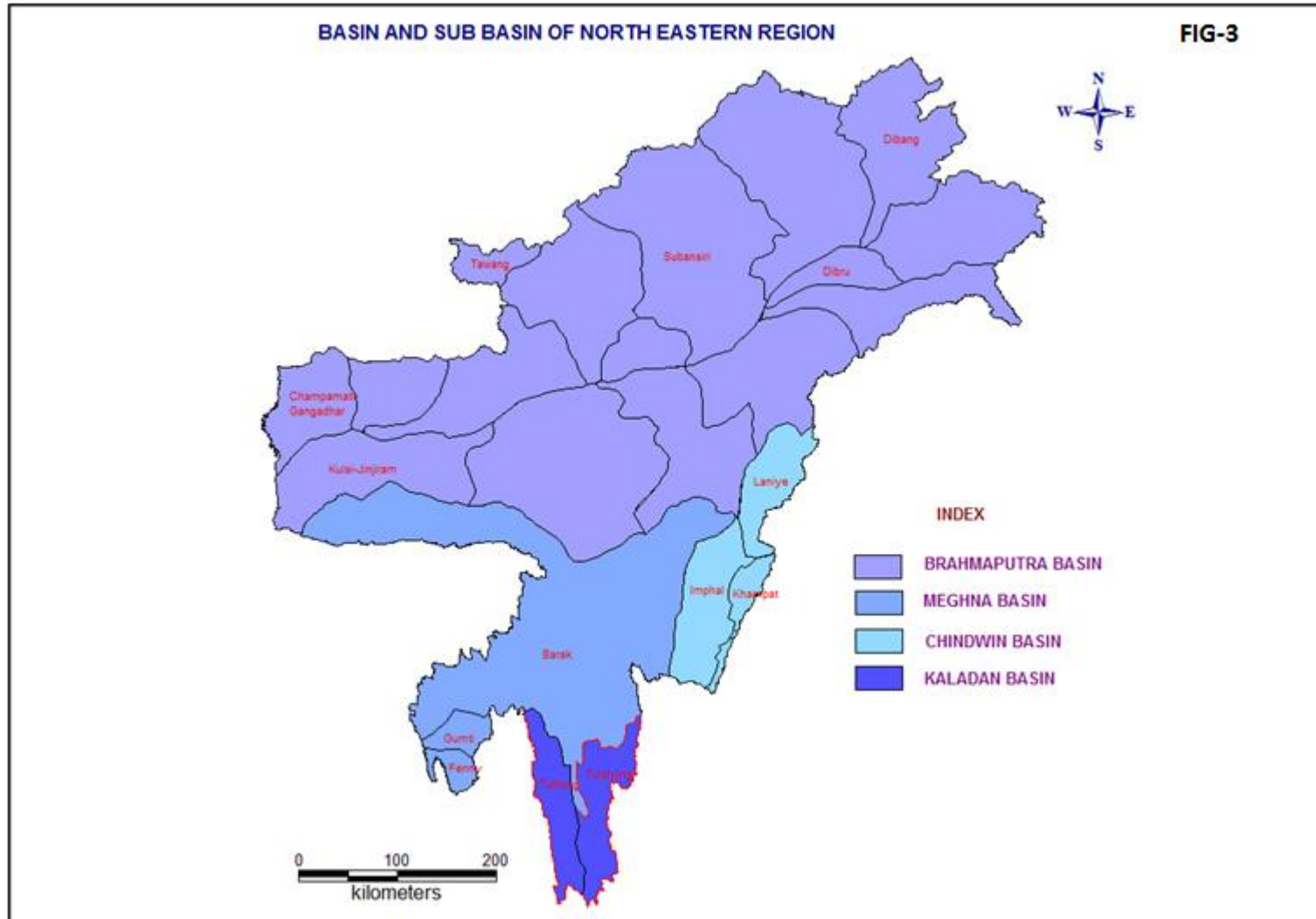


Fig.3 Basin & Sub-basin Map of North Eastern Region

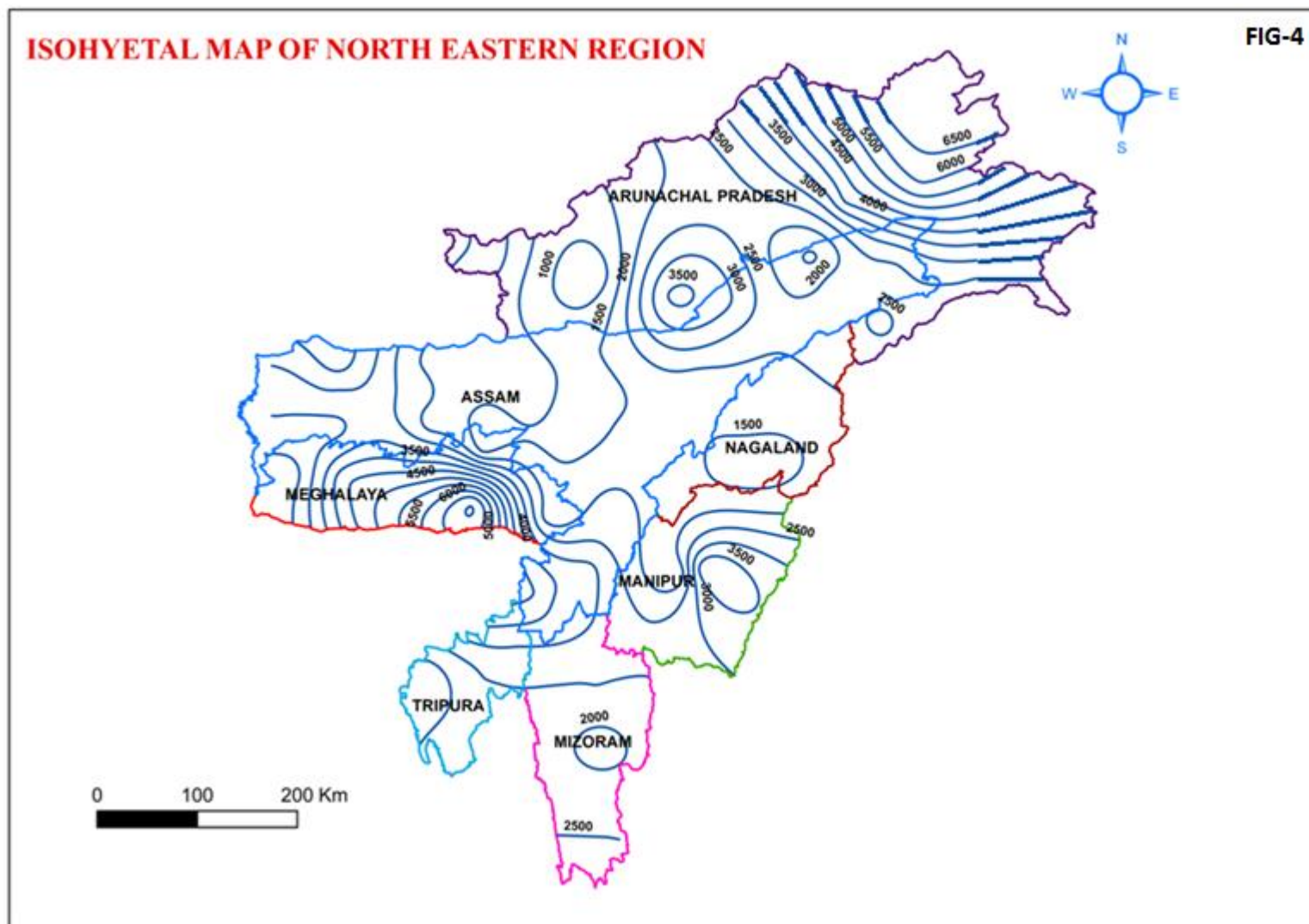


Fig.4 Isohyet (Rainfall Distribution) Map of North Eastern

**DEPTH TO WATER LEVEL RANGES, MARCH, 2019
NORTH EASTERN REGION**

FIG-5

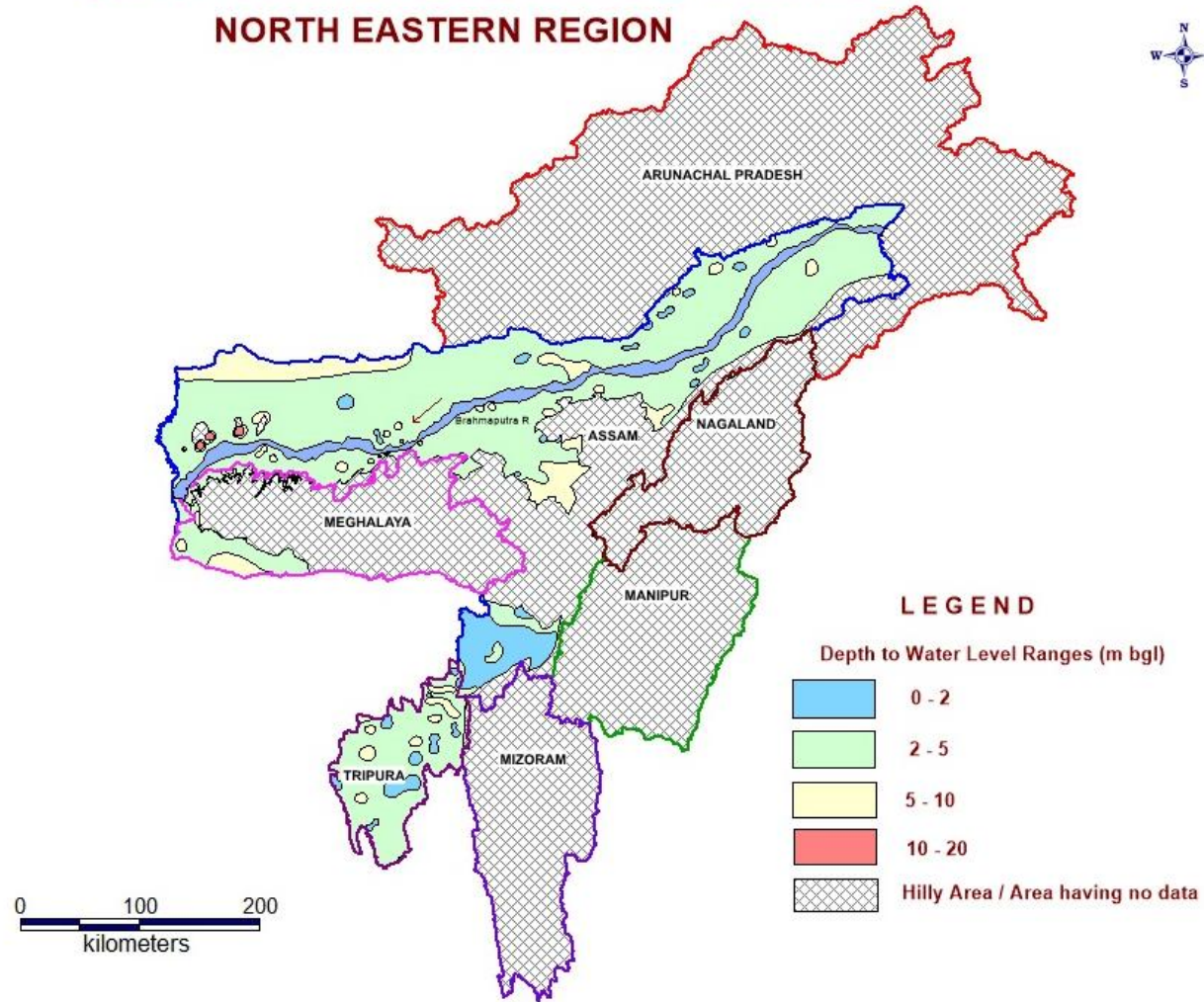


Fig.5 Depth to Water LevelMap (March, 2019) of North Eastern Region

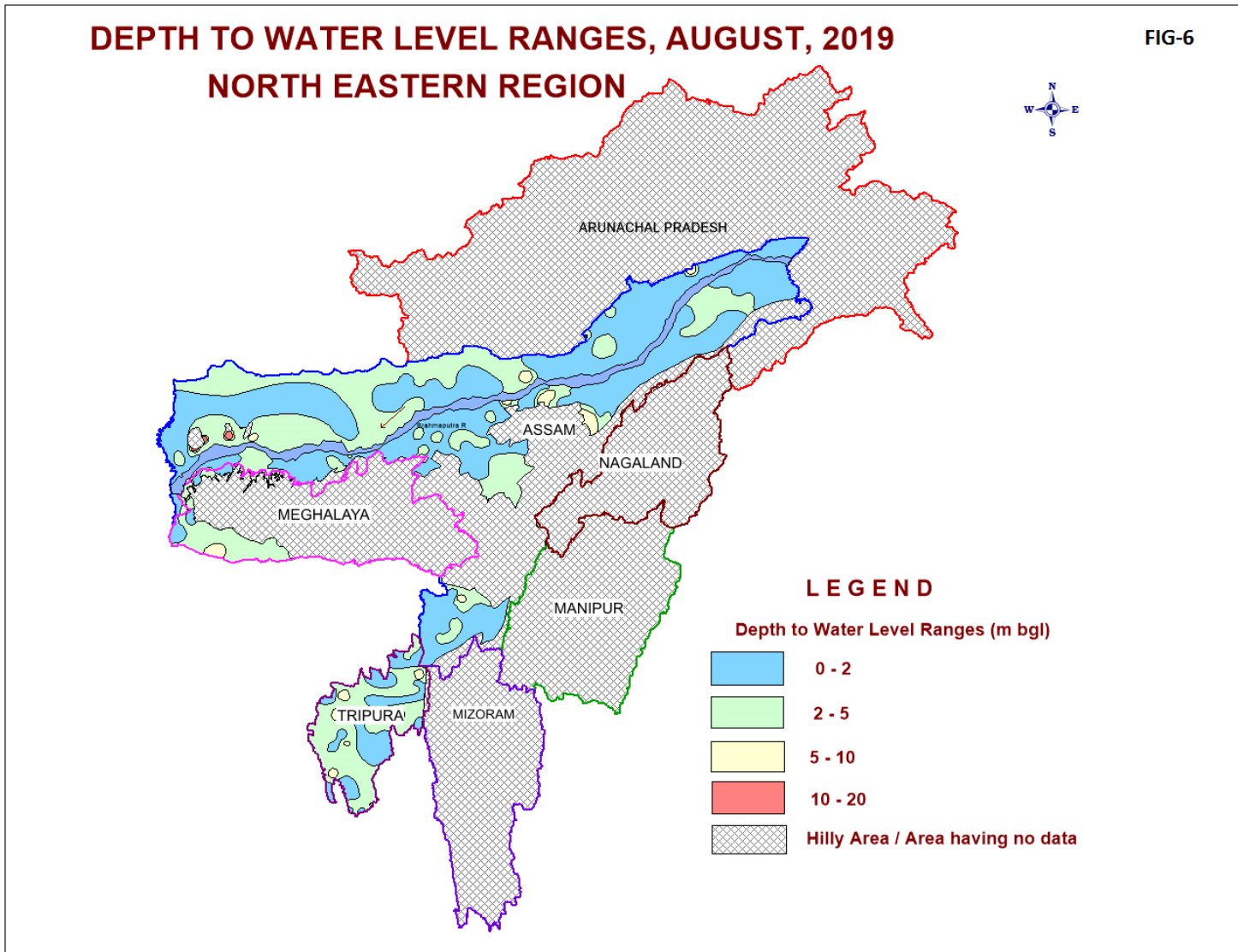


Fig.6 Depth to Water LevelMap (August, 2019) of North Eastern Region

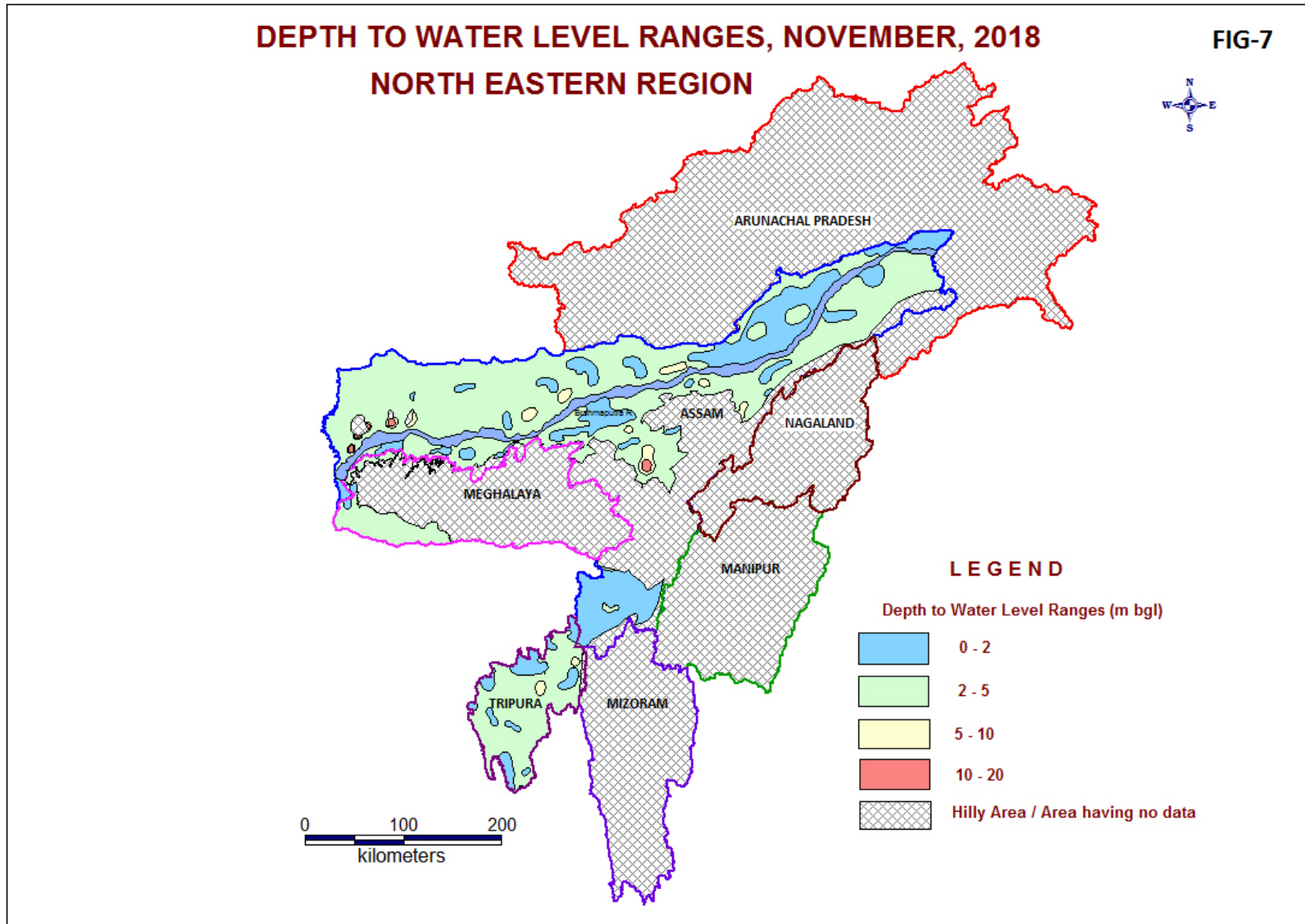


Fig.7.Depth to Water LevelMap (November, 2018) of North Eastern Region

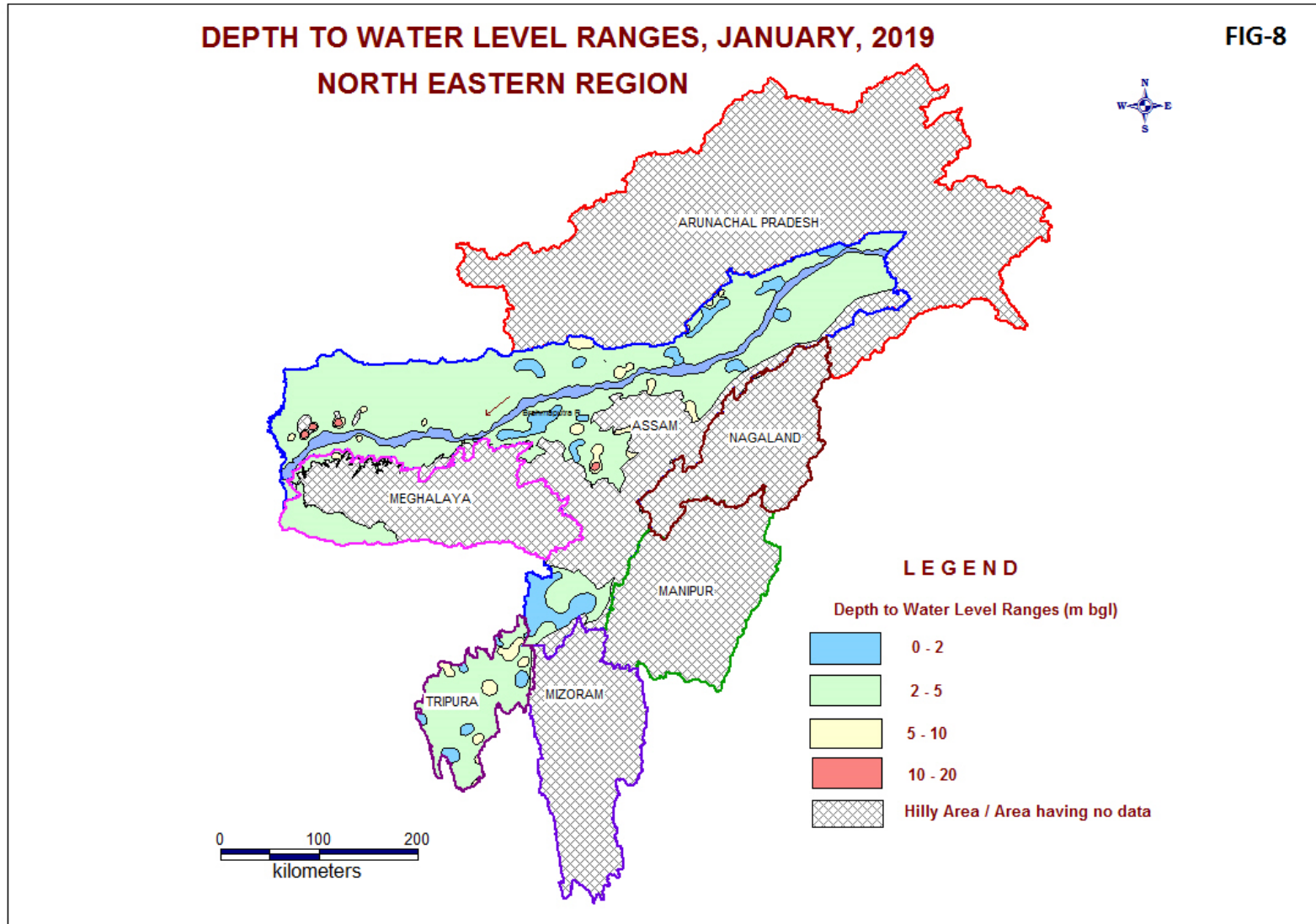


Fig.8 Depth to Water LevelMap (January, 2019) of North Eastern Region

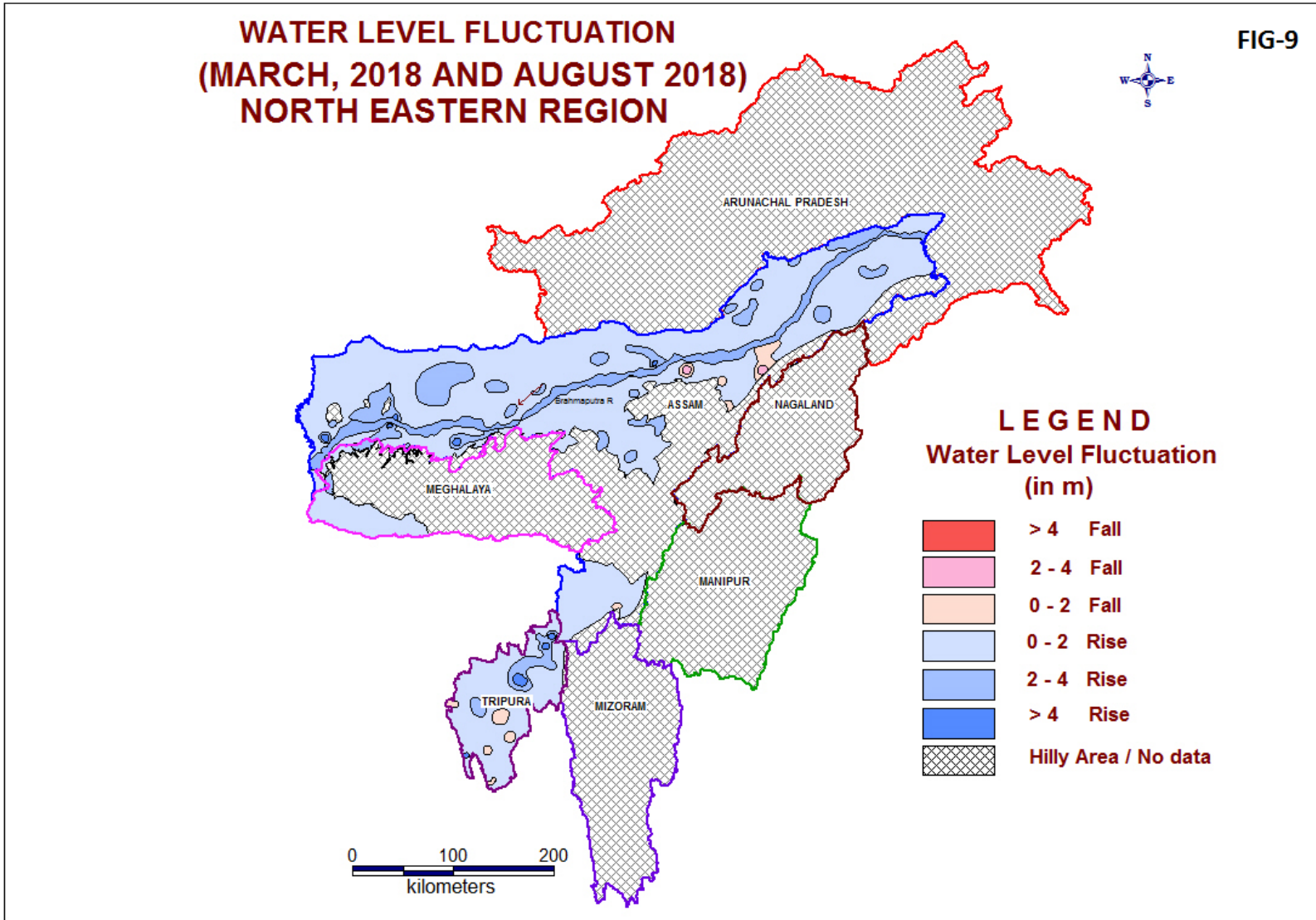


Fig.9 Water Level Fluctuation in August 2018 with respect to March 2018

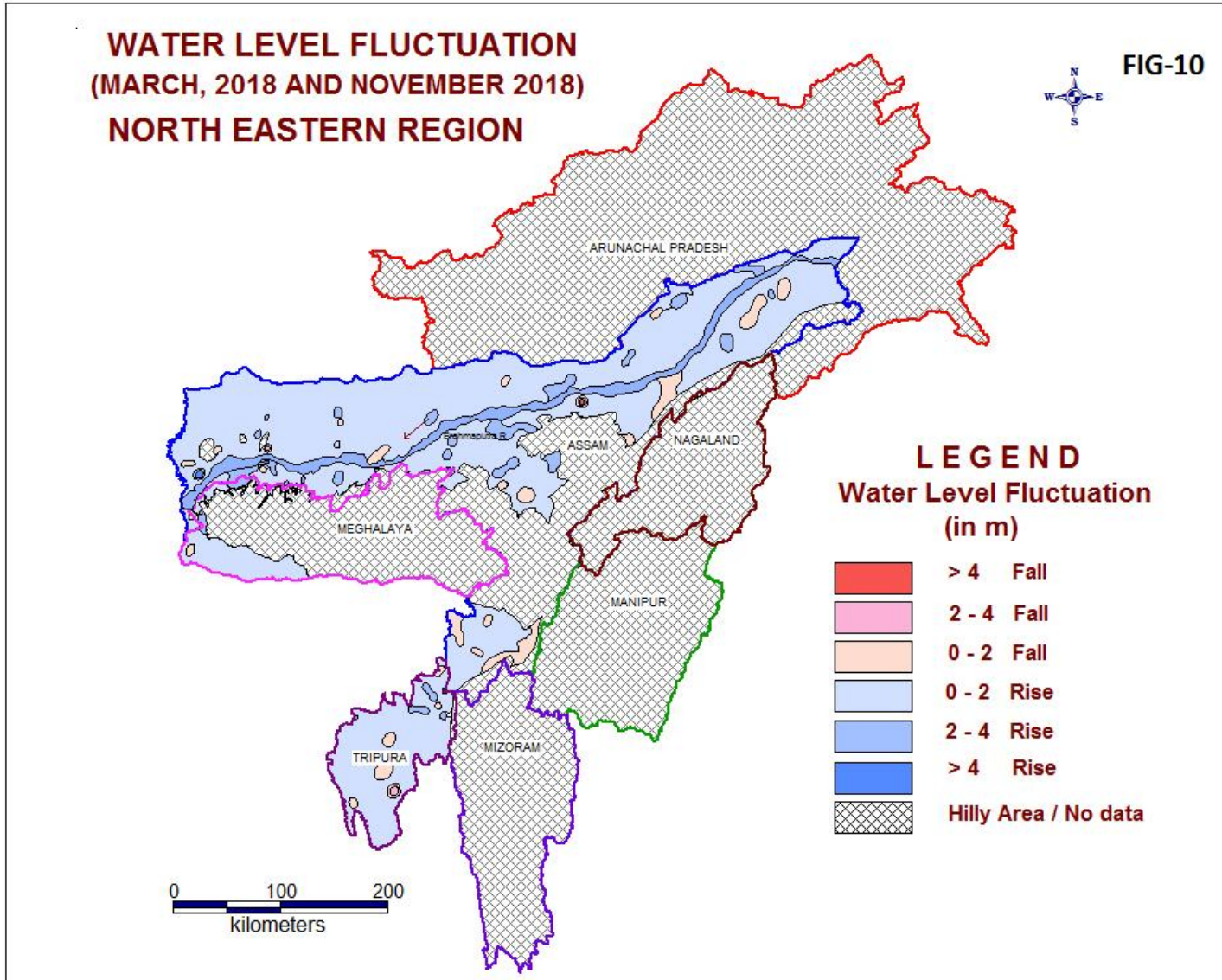


Fig.10 Water Level Fluctuation in November 2018 with respect to March 2018

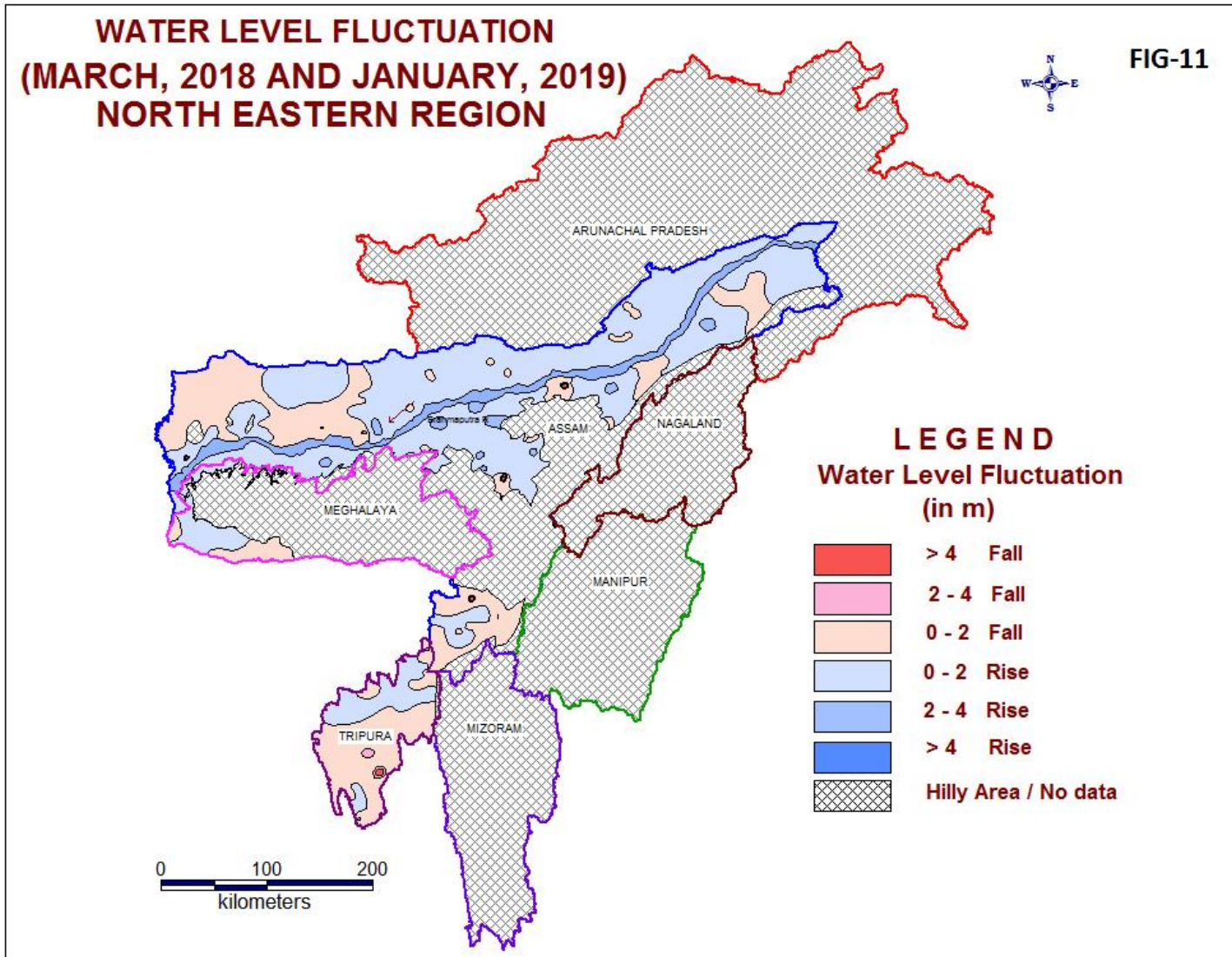


Fig.11 Water Level Fluctuation in January 2019 with respect to March 2018

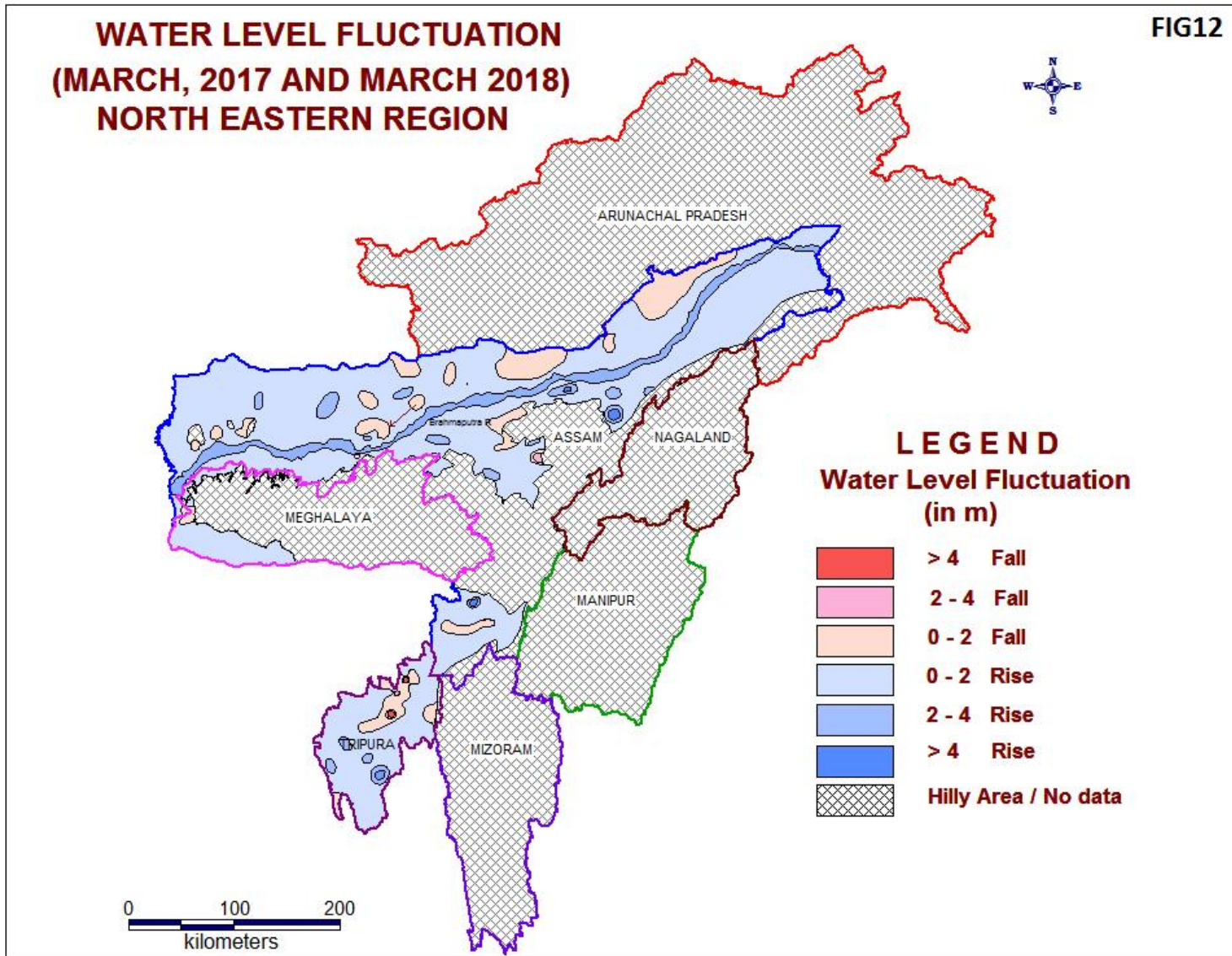


Fig.12 Water Level Fluctuation in March 2018 with respect to March 2017

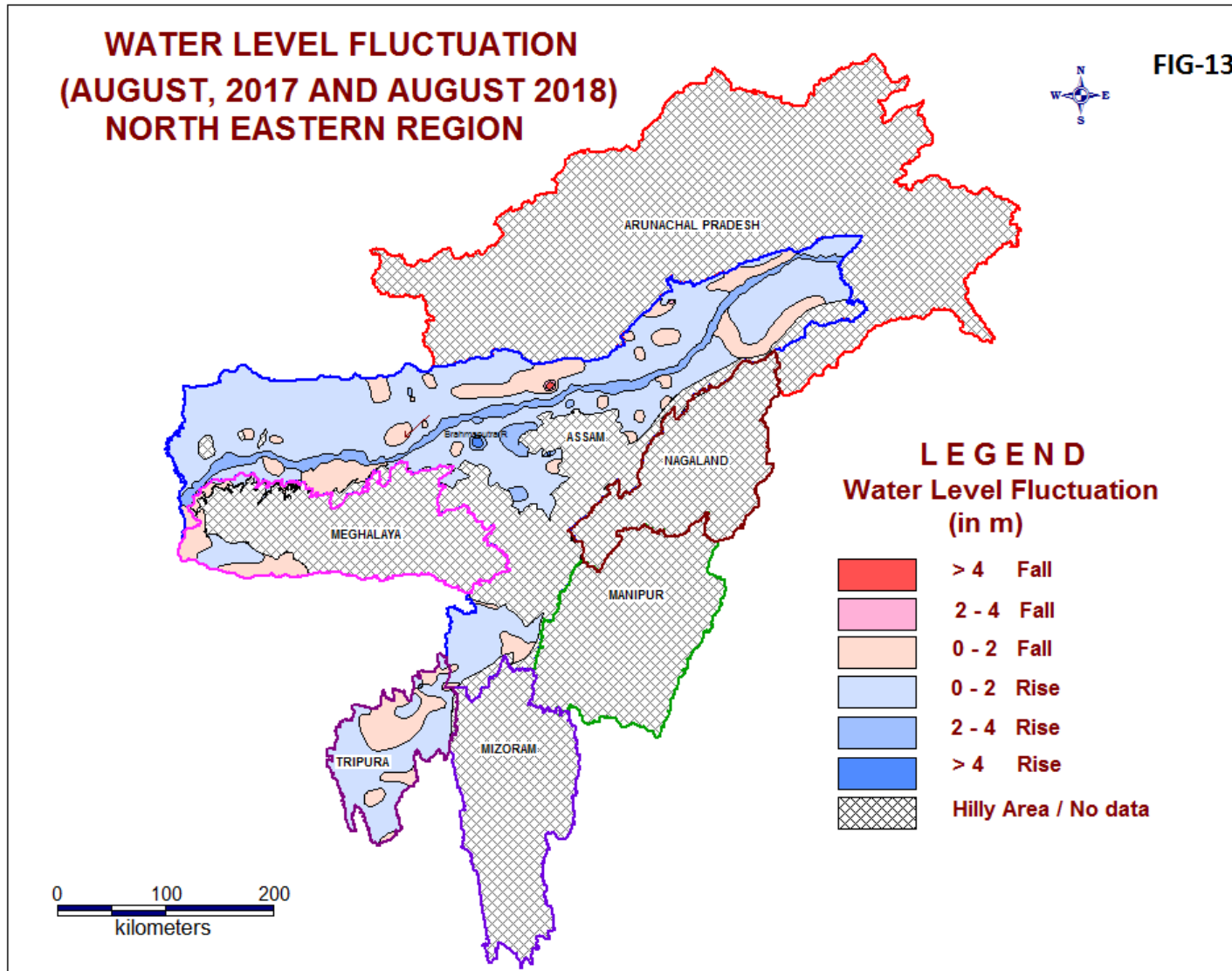


Fig.13 Water Level Fluctuation in August 2018 with respect to August 2017

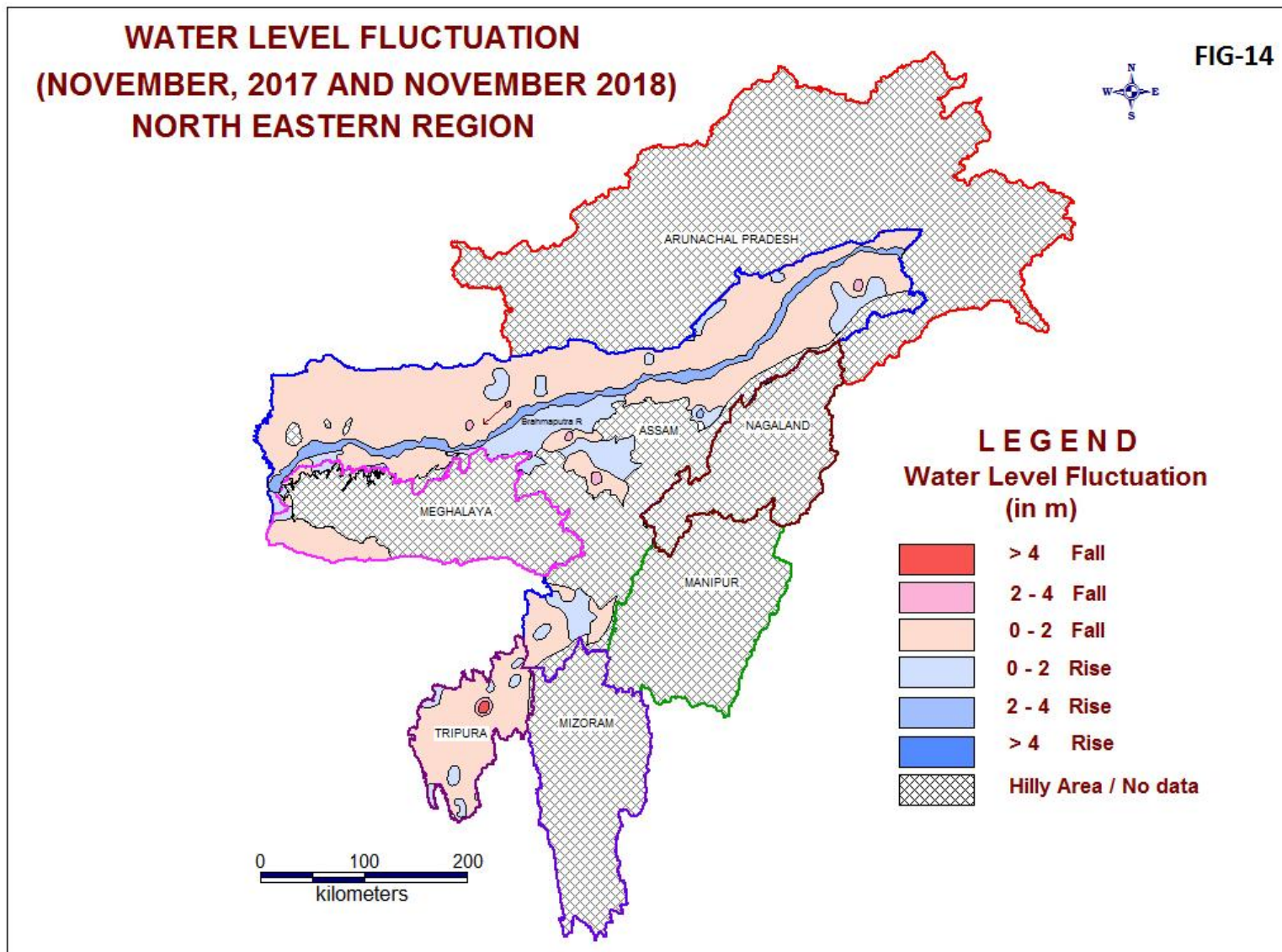


Fig.14 Water Level Fluctuation in November 2018 with respect to November 2017

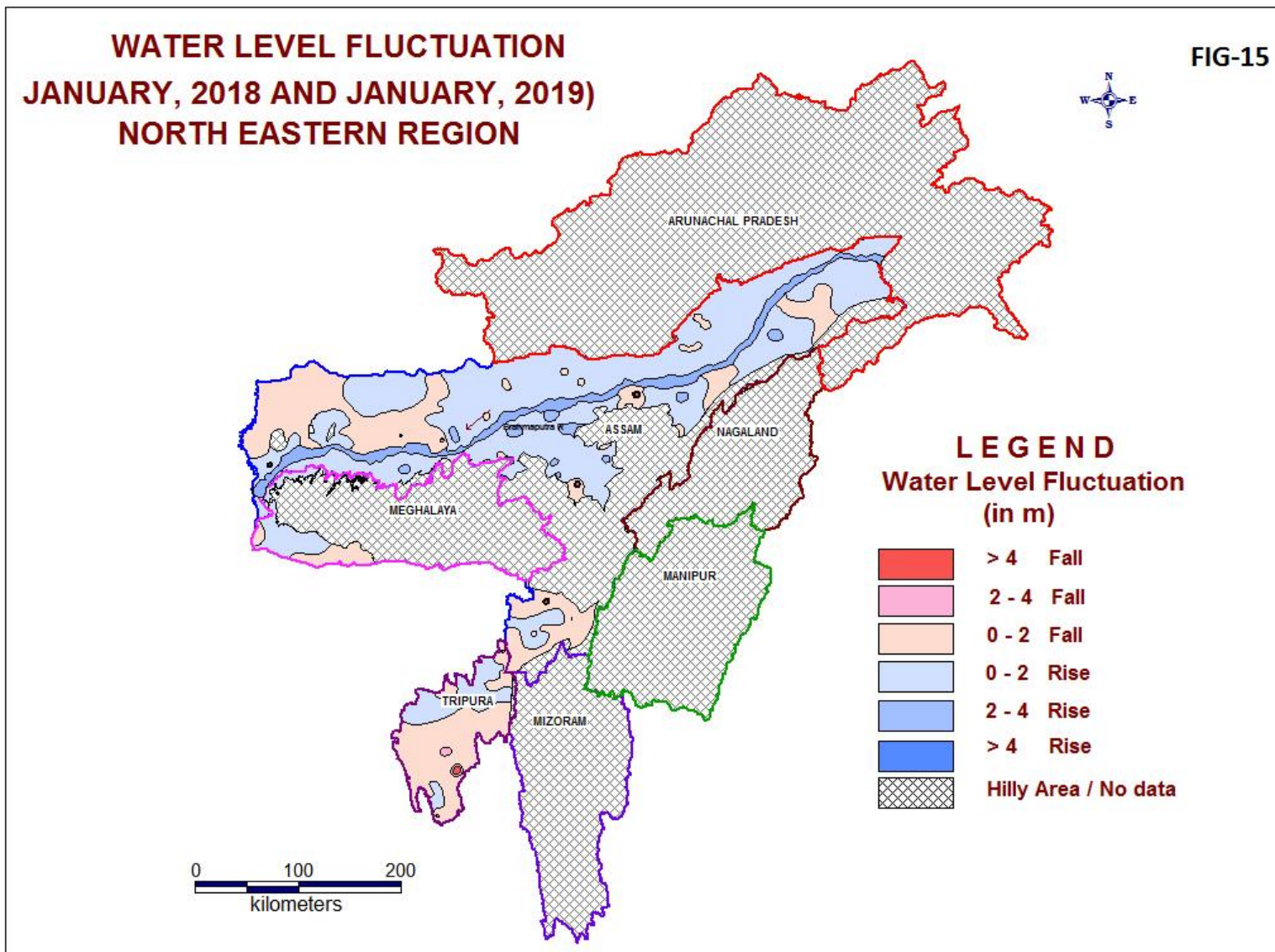


Fig.15 Water Level Fluctuation in January 2019 with respect to January 2018

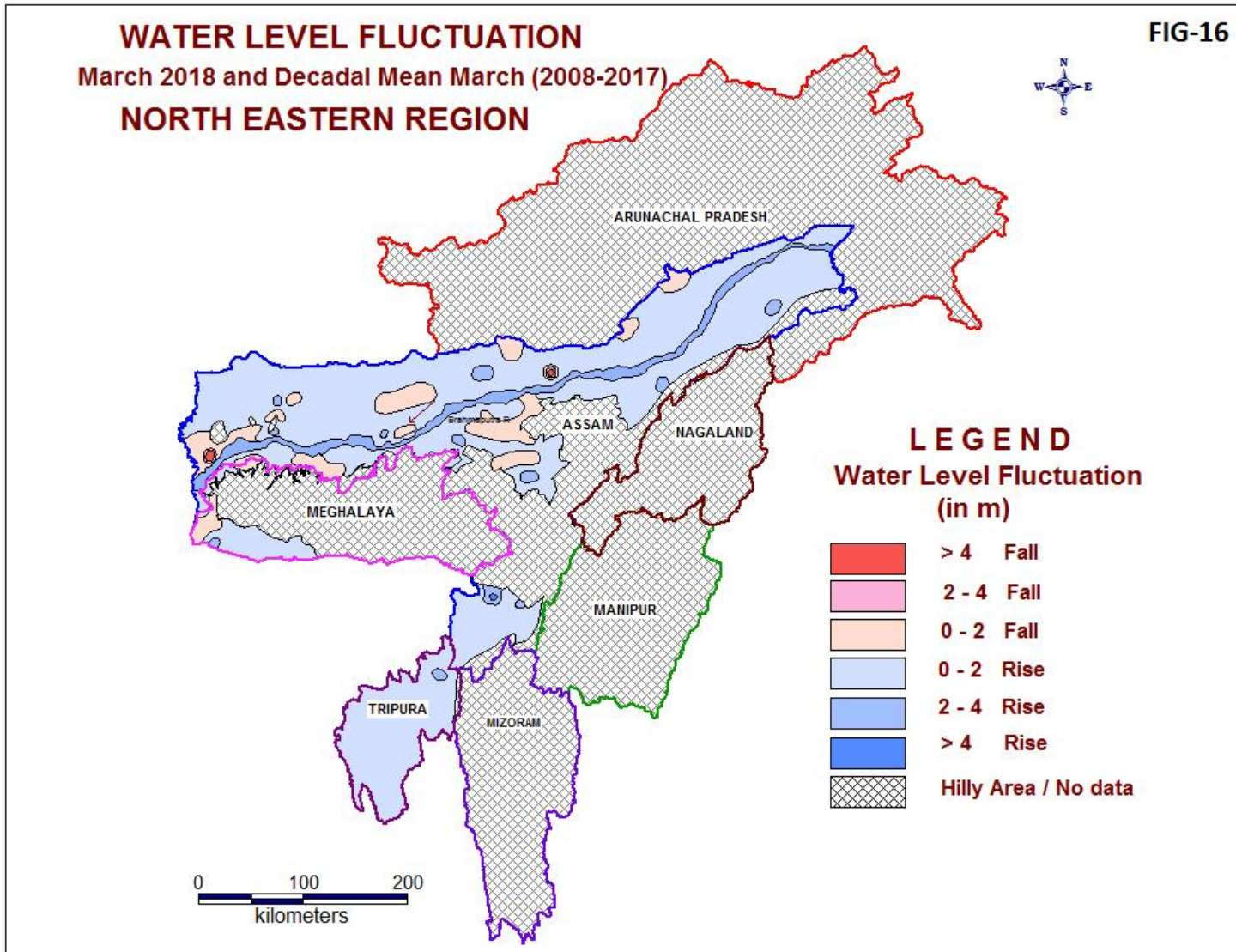


Fig.16: Water Level Fluctuation in March, 2018 with respect to Decadal Mean (March, 2008-2017)

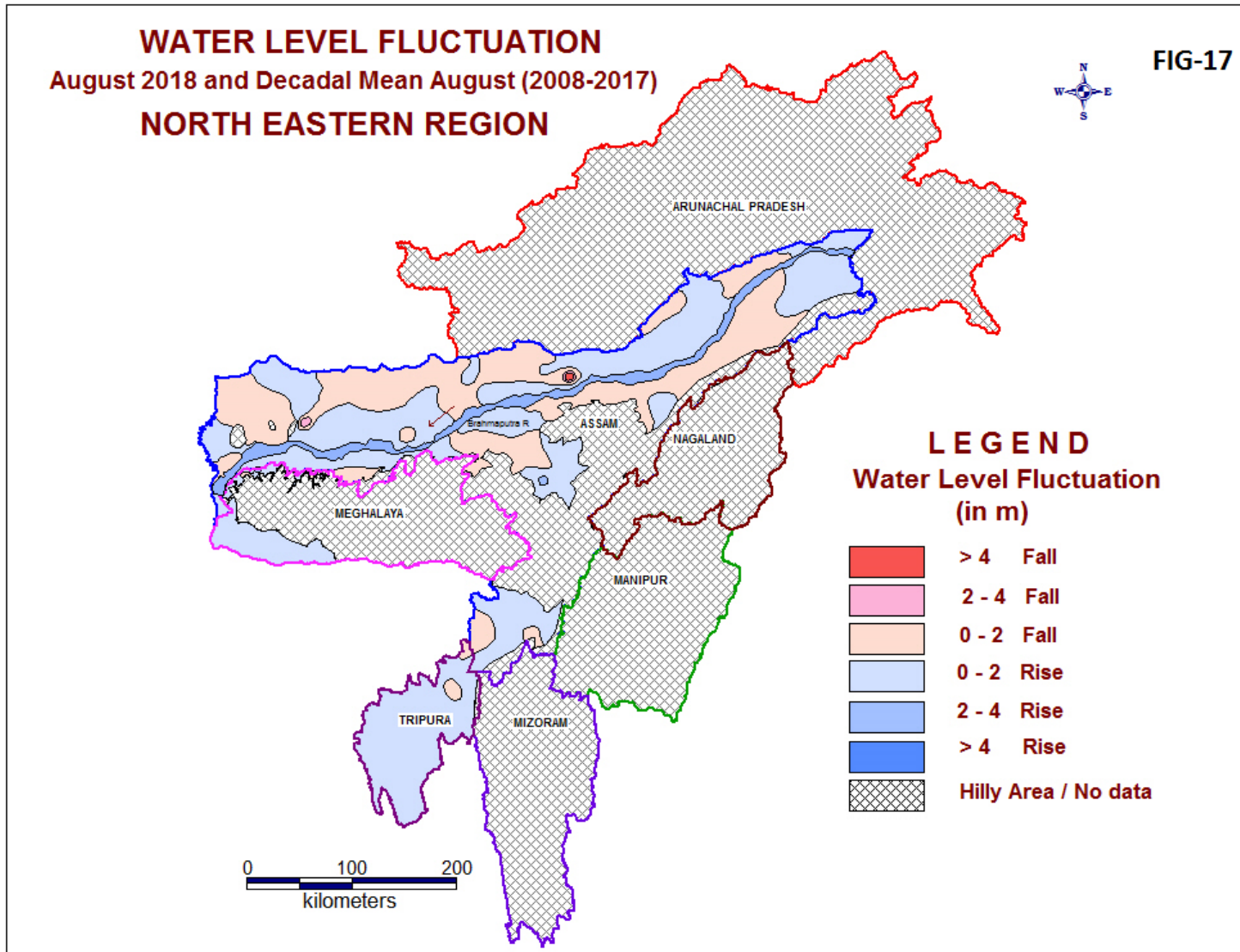


Fig.17 :Water Level Fluctuation in August, 2018 with respect to Decadal Mean (August, 2008-2017)

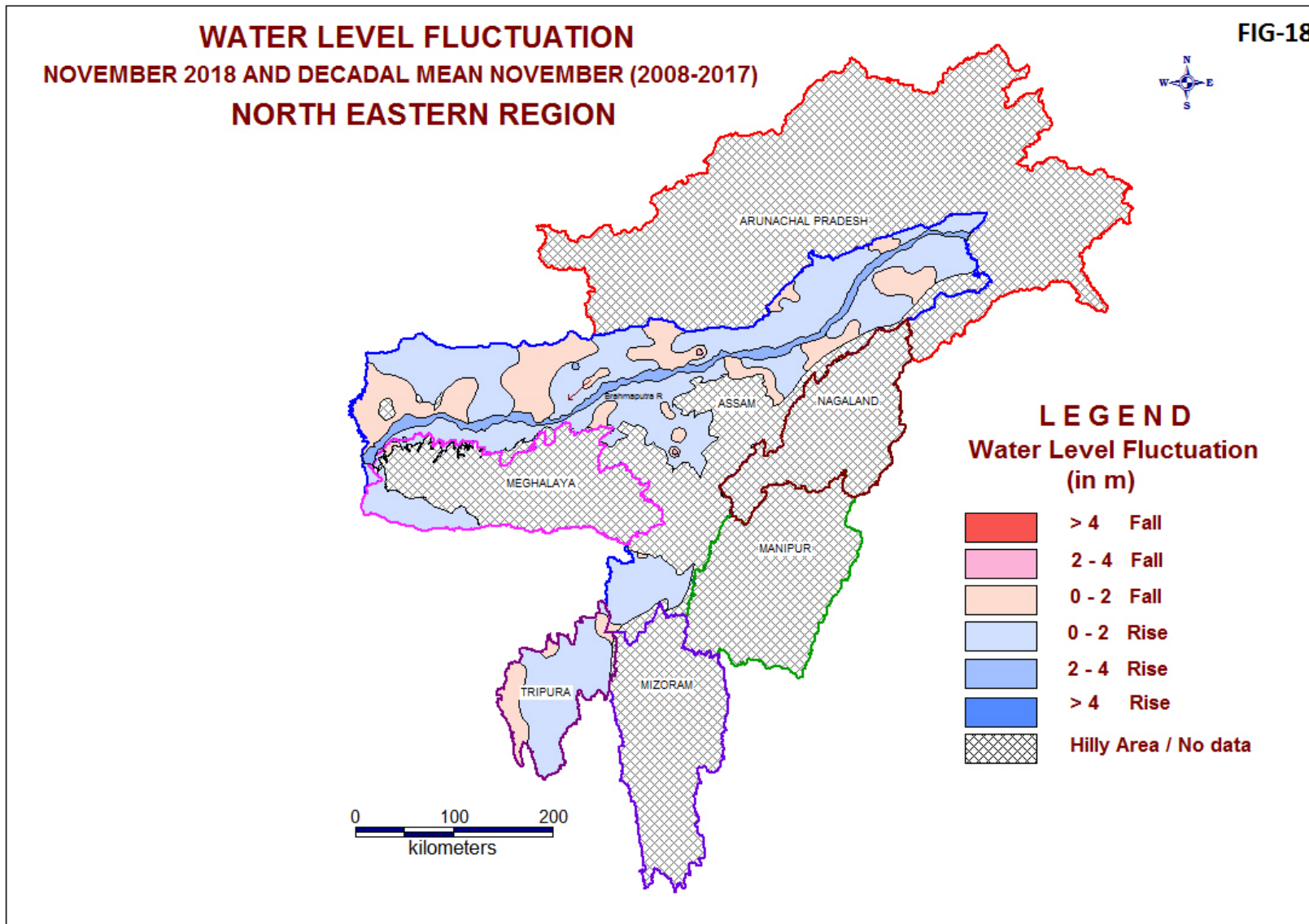


Fig.18:Water Level Fluctuation in November, 2018 with respect to Decadal Mean (November, 2008-2017)

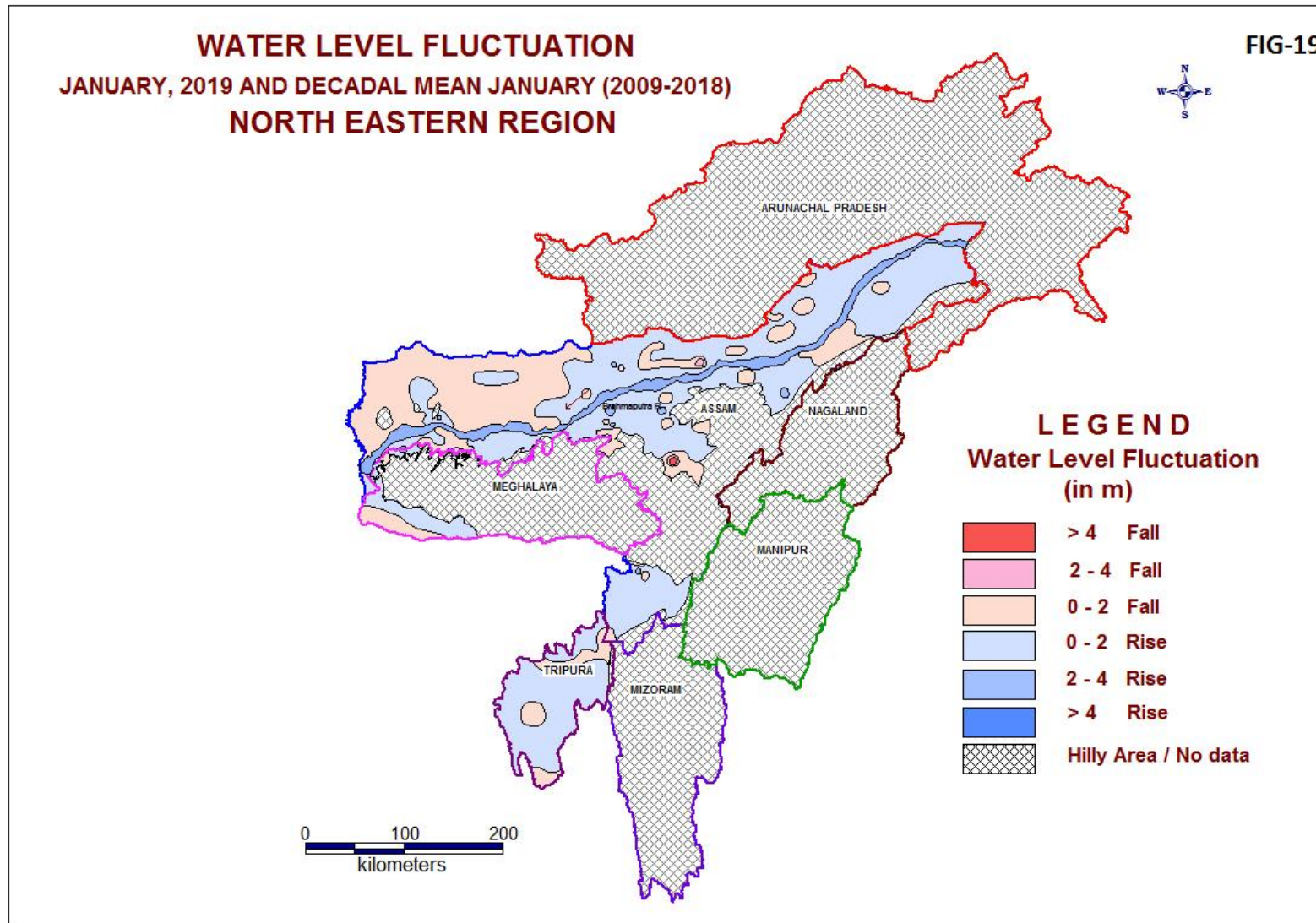


Fig.19:Water Level Fluctuation in January, 2019 with respect to Decadal Mean (January, 2009-2018)

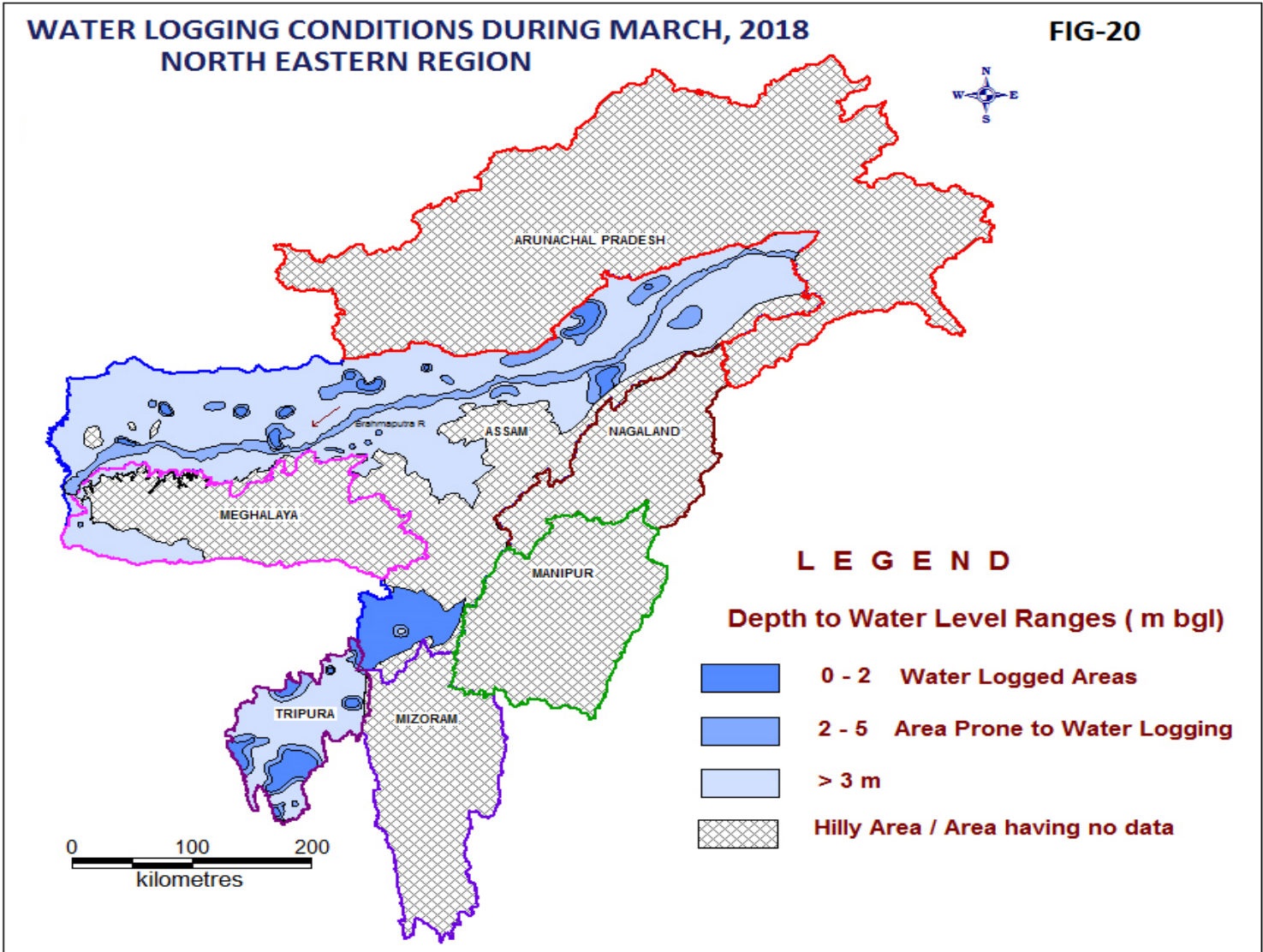


Fig.20: Water Logging Condition during Pre Monsoon (March 2018) Period.

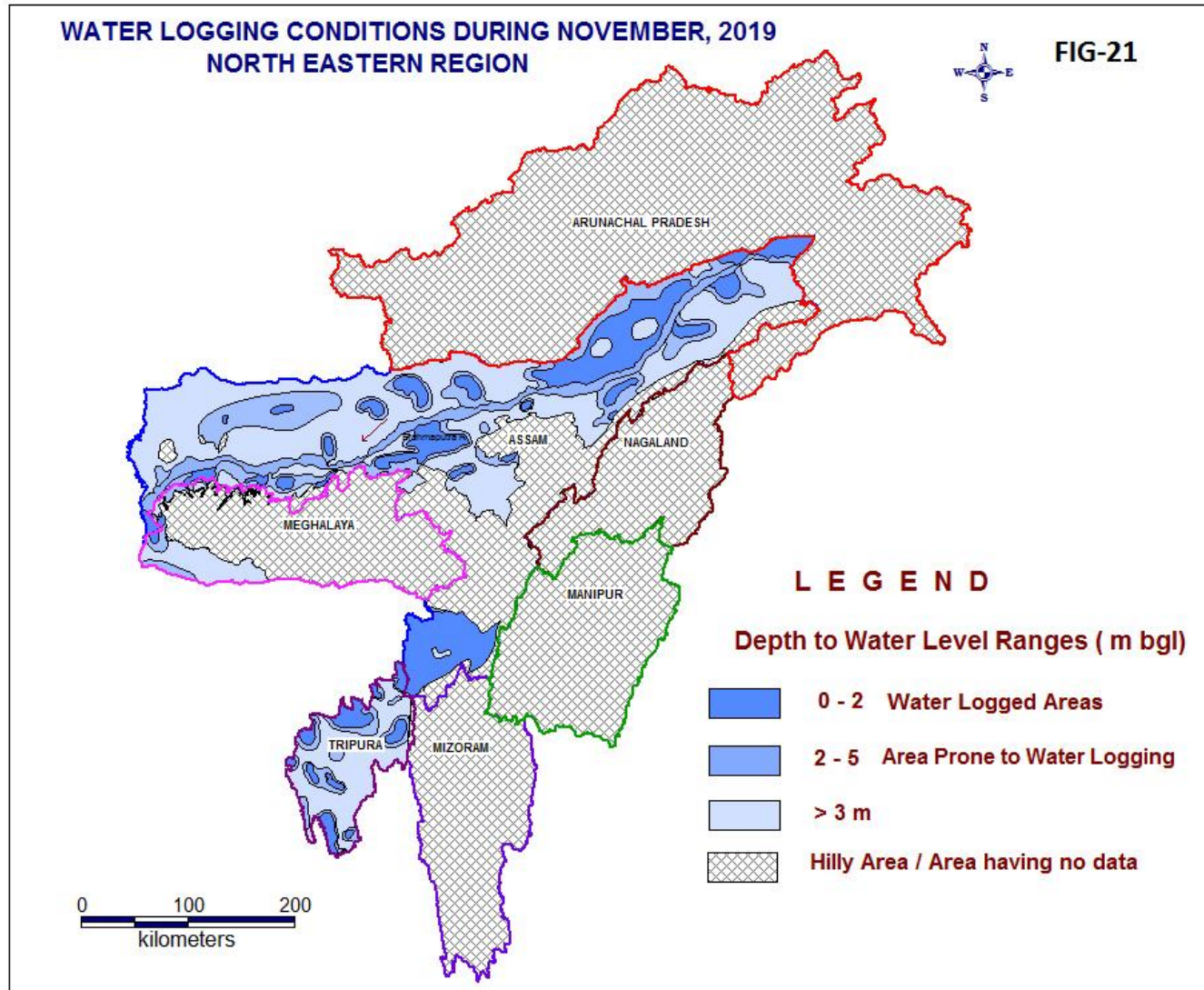


Fig.23: Water Logging Condition during Post Monsoon (November 2018) Period.

ANNEXURE-I

**DETAILS OF GROUND WATER MONITORING WELLS IN NORTH EASTERN
REGION**

Village	Well No	Well Type	MP (magl)	RL (amsl)	Latitude	Longitude	Geology	River Basin
Arunachal Pradesh								
Changlang								
Jairampur	92A4A1	Dug	1.1	185.65	27°12'30"	96°02'30"	Alluvium	Brahmaputra
Namchik	92A3A1	Dug	1.2	162.32	27°25'00"	96°02'45"	Alluvium	Brahmaputra
Namphai	92A3A2	Dug	0.7	199.15	27°27'30"	96°06'30"	Alluvium	Brahmaputra
Newlisan Kharsang	92A2A1	Dug	1	183.3	27°30'00"	96°08'00"	Alluvium	Brahmaputra
East Siang								
Pasighat New	ARES02A	Dug	0.29	158	28°09'05"	95°17'45"	Alluvium	Brahmaputra
Ruksin	ARES11	Dug	0.95	121	27°50'16"	95°12'32"	Alluvium	Brahmaputra
Sika Baman Todee	ARES14	Dug	0.91	130	27°54'48"	95°20'37"	Alluvium	Brahmaputra
Lohit								
Adi Ningroo 1 OW	ARLO02	Tube	0.6	298	27° 38' 8.2"	95° 54' 6.0"	Alluvium	Brahmaputra
Adi Ningroo 2 OW	ARLO03	Tube	0.6	298	27° 38' 8.2"	95° 54' 6.0"	Alluvium	Brahmaputra
Lathow	83M2D1	Dug	0.86	162.65	27°40'00"	95°52'30"	Alluvium	Brahmaputra
Medo	ARLO05	Dug	0.22	202	27° 47' 27"	96° 10' 38"	Alluvium	Brahmaputra
Namsai OW	ARLO01	Tube	0.7	274	27° 39' 56"	95° 52' 35"	Alluvium	Brahmaputra
Wingko OW	ARLO04	Tube	0.55	293	27° 37' 51"	95° 56' 57"	Alluvium	Brahmaputra
Lower Dibang Valley								
Kangklong	ARLDV01	Dug	0.65	162	27° 58' 18"	95° 45' 27"	Alluvium	Brahmaputra
Lower Subansiri								
Bomte	ARLSO3	Dug	1.27	144	27°49'00"	94°19'00"	Alluvium	Brahmaputra
Rajgarh	ARLSO2	Dug	0.83	99	27°40'00"	94°15'00"	Alluvium	Brahmaputra
Papumpare								
Banderedewa I	ARPP04	Dug	0.57	127.71	27°06'19"	93°49'33"	Alluvium	Brahmaputra
Chimpu	ARPP13	Dug	0.38	197	27°06'01"	93°42'00"	Sandstone	Brahmaputra
Doimukh	83E4D5	Dug	0.74	209	27°08'32"	93°45'22"	Alluvium	Brahmaputra
Itanagar I	ARPP10	Dug	0.8	347	27°06'14"	93°38'30"	Alluvium	Brahmaputra
Kimin	83E3D2	Dug	0.95	150.05	27°18'30"	93°58'10"	Alluvium	Brahmaputra
Nirjuli Vill IIA	ARPP06	Dug	0.8	118	27°07'52"	93°43'59"	Alluvium	Brahmaputra
Nirjuli Vill IIB	ARPP07	Dug	1.02	117	27°07'48"	93°44'01"	Alluvium	Brahmaputra
Sonajuli	83E4C1	Dug	0.62	117.23	27°02'45"	93°41'15"	Alluvium	Brahmaputra
Tirap								
Borduria	83M4B3	Dug	0.98	229.74	27°01'00"	95°28'00"	Alluvium	Brahmaputra
Deomali	83M4C1	Dug	0.87	148.86	27°12'00"	95°31'30"	Alluvium	Brahmaputra
Hukanjuri	83M4B4	Dug	0.82	239.35	27°00'30"	95°28'00"	Alluvium	Brahmaputra
Assam								
Baksa								
Jhargaon	ASBS01	Dug	0.95	54	26°34'05"	91°35'12"	Alluvium	Brahmaputra

Village	Well No	Well Type	MP (magl)	RL (amsl)	Latitude	Longitude	Geology	River Basin
Tampur	78N2C1	Dug	0.86	68.55	26°37'50"	91°34'15"	Alluvium	Brahmaputra
Barpeta								
Bhawanipur	78N3A1	Dug	0.80	48.10	26°29'05"	91°04'00"	Alluvium	Brahmaputra
Dhupguri(Galia)	ASBP13	Dug	0.98	51	26°25'30"	91°02'00"	Alluvium	Brahmaputra
Goraimari	78N2A4	Dug	0.60		26°36'40"	91°07'00"	Alluvium	Brahmaputra
Hastinapur	78N2A5	Dug	0.79		26°30'05"	91°07'10"	Alluvium	Brahmaputra
Hudukata	78N2A3	Dug	0.99		26°36'10"	91°06'20"	Alluvium	Brahmaputra
Nityanada OW	ASBP18	Tube	0.7	42	26°33'07"	91°12'52"	Alluvium	Brahmaputra
Patacharkuchi	ASBP16	Tube	1	42	26°30'20"	91°14'51"	Alluvium	Brahmaputra
Sarupeta	78N3A6	Dug	0.76	45	26°29'55"	91°04'30"	Alluvium	Brahmaputra
Simla	78N2A1	Dug	0.97	53.11	26°41'00"	91°13'00"	Alluvium	Brahmaputra
Sorbhog	78J3D4	Dug	0.82	49	26°28'30"	90°54'10"	Alluvium	Brahmaputra
Ujanborbori	78N2A2	Dug	1.2	51.46	26°36'00"	91°06'00"	Alluvium	Brahmaputra
Biswanath								
Behali	ASSP33	Dug	0.86	83	26°49'56"	93°21'28"	Alluvium	Brahmaputra
Bihupukhuri	83F2A7	Dug	0.96	85	26°44'50"	93°15'00"	Alluvium	Brahmaputra
Biswanath Chariali	83F2A6	Dug	0.18	73	26°43'301"	93°09'06"	Alluvium	Brahmaputra
Biswanath Ghat	83F2A8	Dug	0.76	79	26°39'40"	93°10'19"	Alluvium	Brahmaputra
Borgang New	ASSP07	Dug	0.85	81	26°50'04"	93°17'40"	Alluvium	Brahmaputra
Buroighat	ASSP 25	Dug	0.80	104	26°52'04"	93°24'59"	Alluvium	Brahmaputra
Gohpur New	ASSP23	Dug	0.82	80.03	26°52'48"	93°36'35"	Alluvium	Brahmaputra
Hawajan	83F1C4	Dug	0.88	78	26°53'03"	93°46'04"	Alluvium	Brahmaputra
Helem	ASSP24	Dug	0.97	69	26°50'59"	93°27'55"	Alluvium	Brahmaputra
Kheroni	ASSP35	Dug	1	67	26°55'12"	93°37'10"	Alluvium	Brahmaputra
Kolabari	ASSP23	Dug	1.10	56	26°54'05"	93°42'29"	Alluvium	Brahmaputra
Bongaigaon								
Abhayapuri	78J3C2	Dug	1.04	38.94	26°20'18"	90°39'44"	Alluvium	Brahmaputra
Baitamari	78J3C1	Dug	0.86	44.45	26°20'50"	90°31'03"	Alluvium	Brahmaputra
Bongaigaon New	78J3C9	Dug	0.83	43	26°29'30"	90°33'00"	Alluvium	Brahmaputra
Chalantapara	78J3C4	Dug	1.1	35	26°14'16"	90°35'30"	Alluvium	Brahmaputra
Chaprakata	78J3C7	Dug	0.92	48	26°29'20"	90°37'00"	Alluvium	Brahmaputra
Chaprakata (Dankinamari)	ASBN10	Dug	0.65	51	26°29'14"	90°38'00"	Alluvium	Brahmaputra
Majgaon	ASBN11	Dug	0.9	44	26°25'08"	90°35'27"	Alluvium	Brahmaputra
Manikpur	78J3D1	Dug	1	43.88	26°28'00"	90°48'30"	Alluvium	Brahmaputra
Medhipara(Deo)	78J3C6	Dug	0.44	39	26°18'25"	90°39'15"	Alluvium	Brahmaputra
North salmara	78J3C8	Dug	0.65	39	26°21'30"	90°37'00"	Alluvium	Brahmaputra
Cachar								
Atalbasti	ASCR35	Dug	0.86	62	24°58'05"	92°34'31"	Alluvium	Meghna
Badribasti	83D1D7	Dug	1	22.28	24°48'35"	92°53'30"	Alluvium	Meghna
Borjalinga	83D2D1	Dug	1	21.39	24°33'30"	92°48'00"	Alluvium	Meghna
Borkhola	83D1C8	Dug	0.65	21.03	24°56'20"	92°44'30"	Alluvium	Meghna
Dargakuna	ASCR25	Dug	0.73	25	24°41'47"	92°45'28"	Alluvium	Meghna

Village	Well No	Well Type	MP (magl)	RL (amsl)	Latitude	Longitude	Geology	River Basin
Dwarbond	ASCR40	Dug	0.70	37	24°35'03"	92°01'00"	Alluvium	Meghna
Fulertol	ASCR37	Dug	0.7	35	24°47'25"	93°00'19"	Alluvium	Meghna
Kalain	83D1C14	Dug	0.6	18.72	24°58'20"	92°35'00"	Alluvium	Meghna
Kalthaila	ASCR36	Dug	0.64	65	25°21'05"	91°23'38"	Alluvium	Meghna
Katigora	ASCR27	Dug	0.85	10	24°53'13"	92°35'20"	Alluvium	Meghna
Moinarbond	83D1D6	Dug	1	46	24°52'47"	92°53'05"	Alluvium	Meghna
Nagdirgram	ASCR39	Dug	0.65	64	24°40'48"	92°52'48"	Alluvium	Meghna
Palanghat	83D2D10	dug	1	24.7	24°39'09"	92°53'10"	Alluvium	Meghna
Poilapul	83H1A9	Dug	0.85	27	24°50'10"	93°01'55"	Alluvium	Meghna
Razabazar	83H1A7	Dug	0.75	45	24°52'00"	93°03'00"	Alluvium	Meghna
Shivachal	ASCR28	Dug	0.75	20	24°49'55"	92°43'56"	Alluvium	Meghna
Shivtila	83H1A4	Dug	0.85	25.42	24°50'00"	93°00'15"	Alluvium	Meghna
Silcoorie	ASCR38	Dug	0.85	61	24°43'06"	92°46'37"	Sandstone	Meghna
Tarapur	ASCR32	Dug	1.15	7	24°49'47"	92°58'45"	Alluvium	Meghna
Chirang								
Bijni	78J3C5	Dug	0.9	45	26°29'30"	90°42'30"	Alluvium	Brahmaputra
Sidli	78J2B6	Dug	0.71		26°32'00"	90°28'00"	Alluvium	Brahmaputra
Runikhata	78J2B2	Dug	1.2	81.78	26°38'00"	90°23'00"	Alluvium	Brahmaputra
Darrang								
Bhakatpara Ow	ASDR33	Tube	0.65	56	26°32'20"	92°04'40"	Alluvium	Brahmaputra
Dalgaon	83B2A2	Dug	0.73	68.48	26°33'03"	92°12'30"	Alluvium	Brahmaputra
Gelabil (Thelamara)	83B2B6	Dug	0.73	51	26°42'50"	92°17'45"	Alluvium	Brahmaputra
Mangaldoi	83B3A1	Dug	0.65	55.59	26°26'00"	92°02'00"	Alluvium	Brahmaputra
Majgaon-II	ASDR30	Dug	0.94		26°28'50"	90°05'15"	Alluvium	Brahmaputra
Majgaon OW	ASDR34	Tube	0.55	48.00	26°28'30"	92°04'56"	Alluvium	Brahmaputra
Mangaldoi II	83B3A3	Dug	0.83	56.07	26°25'48"	92°01'15"	Alluvium	Brahmaputra
Thekerabari .1	83B2A1	Dug	0.91	59.88	26°39'00"	91°54'30"	Alluvium	Brahmaputra
Dhemaji								
Bhagaban charali	83I2D2	Dug	1.05	115	27°38'15"	94°47'44"	Alluvium	Brahmaputra
Bijoypur	83M1A3	Dug	1	122.29	27°45'10"	95°08'20"	Alluvium	Brahmaputra
Bokabil Ow	ASDM24	Tube	0.8	100	27°29'50"	94°32'30"	Alluvium	Brahmaputra
Bordoloni	83I3B1	Dug	1.25	95.12	27°24'30"	94°24'00"	Alluvium	Brahmaputra
Chengeli Pathar Ow	ASDM23	Tube	0.76	88	27°26'10"	94°31'30"	Alluvium	Brahmaputra
Dhemaji 2	ASDM 23	Dug	1.21	89	27°30'42"	94°35'16"	Alluvium	Brahmaputra
Dipa	83I2D3	Dug	0.95	117	27°42'10"	94°51'21"	Alluvium	Brahmaputra
Gogamukh Hss Ow	ASDM25	Tube	0.76	96	27°25'50"	94°15'45"	Alluvium	Brahmaputra
Jonai Murkongselek	83M1A1	Dug	0.8	124.36	27°50'12"	95°08'48"	Alluvium	Brahmaputra
Moridhal	ASDM27	Dug	0.97	110	27°32'19"	94°35'22"	Alluvium	Brahmaputra
Santipur	ASDM28	Dug	0.6	109	27°33'19"	94°30'18"	Alluvium	Brahmaputra
Siripani	83I2C3	Dug	0.45	108	27°34'58"	94°39'00"	Alluvium	Brahmaputra
Sisibargaon	83I2C2	Dug	0.97	108.21	27°32'30"	94°43'20"	Alluvium	Brahmaputra
Telem	83M2A1	Dug	1.01	126.98	27°42'45"	95°03'20"	Alluvium	Brahmaputra

Village	Well No	Well Type	MP (magl)	RL (amsl)	Latitude	Longitude	Geology	River Basin
Bagaribari	78J4A4	Dug	0.81	33	26°12'10"	90°08'20"	Gneiss	Brahmaputra
Bahalpur	78J3B4	Dug	1	30	26°18'34"	90°27'52"	Alluvium	Brahmaputra
Balajan	ASDH15	Dug	0.83	22	26°05'50'	89°53'13'	Alluvium	Brahmaputra
Bilasipara	78J4A1	Dug	0.85	34.9	26°13'00"	90°14'30"	Alluvium	Brahmaputra
Chapar	78J3B2	Dug	0.9	39	26°16'18"	90°27'36"	Alluvium	Brahmaputra
Dakhin Tokesara	ASDH16	Dug	1.36	23	26°06'12"	89°50'13"	Alluvium	Brahmaputra
Dhubri Town	78F4D4	Dug	1	45	26°01'00"	89°59'00"	Alluvium	Brahmaputra
Matiabag	ASDH19	Tube	0.73	24	26°06'00"	89°59'00"	Alluvium	Brahmaputra
Moterjhar	ASDH17	Dug	0.81		26°07'40"	89°52'30"	Alluvium	Brahmaputra
Panbari	78J4A2	Dug	0.86	44.2	26°09'00"	90°03'00"	Gneiss	Brahmaputra
Rupshi	78F4D3	Dug	0.9	25	26°07'09'	89°55'25'	Alluvium	Brahmaputra
Sarpamari Beat	ASDH13	Dug	0.91	48	26°13'30"	90°21'30"	Gneiss	Brahmaputra
Sonamukhi	ASDH14	Dug	0.35	33	26°12'05"	90°18'30"	Alluvium	Brahmaputra
Tamarhat	78F4D2	Dug	0.8	36.76	26°11'30"	89°52'00"	Alluvium	Brahmaputra
Tipkai	78J3A2	Dug	0.66		26°17'00"	90°03'00"	Alluvium	Brahmaputra
Dibrugarh								
AMC Campus	ASDB14	Tube	0.66	94	27°02'14"	94°02'14"	Alluvium	Brahmaputra
Azarguri gaon	83I3D4	Dug	0.64	100.51	27°19'00"	94°57'00"	Alluvium	Brahmaputra
Bamunbari	83I4D4	Dug	0.8		27°14'46"	94°59'35"	Alluvium	Brahmaputra
Barbaruah	83I3D6	Dug	1.05	115.69	27°23'55"	94°52'55"	Alluvium	Brahmaputra
Chabua	83M3A2	Dug	0.59	119.88	27°29'15"	95°11'30"	Alluvium	Brahmaputra
Dibrugarh	83I3D1	Dug	0.56	105.29	27°29'00"	94°54'30"	Alluvium	Brahmaputra
Dikom	83M3A1	Dug	0.68	109.94	27°28'00"	95°04'05"	Alluvium	Brahmaputra
Dirialgaon Pz	83M4B6	Tube	0.4		27°13'58"	95°22'09"	Alluvium	Brahmaputra
Domar Dolong Tw	ASDB12	Tube	1	110.16	27°12'50"	94°57'00"	Alluvium	Brahmaputra
Jaipur Naharani	83M3A4	Dug	0.8	119	27°15'18"	95°14'17"	Alluvium	Brahmaputra
Lepetkata	ASDB13	Dug	0.8	86	27°22'20"	94°52'22"	Alluvium	Brahmaputra
Melengial PWSS	ASDB15	Tube	0.82	102	27°02'14"	95°26'34"	Alluvium	Brahmaputra
East Karbi Anglong								
Bokulia	83G1C3	Dug	0.69	104.775	26°03'32"	93°11'26"	Alluvium	Brahmaputra
Dengaon	ASKA08	Dug	0.93	68	26°12'45"	92°58'19"	Alluvium	Brahmaputra
Dokmoka	ASEKA01	Dug	1.2	80.35	26°12'30"	93°03'56"	Alluvium	Brahmaputra
Langhing	ASKA32	Dug	0.84	82	26°12'10"	93°08'01"	Alluvium	Brahmaputra
Manikpur	83F4A6	Dug	0.87	98.635	26°14'59"	93°08'47"	Alluvium	Brahmaputra
Phuloni	83F4A2	Dug	0.94	90.555	26°10'15"	93°08'12"	Alluvium	Brahmaputra
Swarghati	ASKA31	Dug	0.63	82	26°12'10"	93°06'23"	Alluvium	Brahmaputra
Goalpara								
Agia1	78J4C3	Dug	0.95	49	26°04'55"	90°32'55"	Alluvium	Brahmaputra
Agia2	ASGP21	Dug	0.65	35	26°04'56"	90°32'59"	Alluvium	Brahmaputra
Baida	78J4B3	Dug	0.7	65	26°01'33"	90°24'59"	Gneiss	Brahmaputra
Bhalukdubi (Goalpara)	ASGP15	Dug	0.8	41	25°07'50"	90°35'42"	Alluvium	Brahmaputra

Village	Well No	Well Type	MP (magl)	RL (amsl)	Latitude	Longitude	Geology	River Basin
Damra	78K1D8	Dug	0.9	59	25°55'45"	90°46'35"	Alluvium	Brahmaputra
Dudhnai	78K1D1	Dug	0.75	41	25°58'51"	90°46'54"	Alluvium	Brahmaputra
Dudhnoi II	ASGP17	Dug	0.75	53	25°57'07"	90°46'23"	Alluvium	Brahmaputra
Dwarka	ASGP19	Dug	0.9	49	25°03'24"	90°29'43"	Alluvium	Brahmaputra
Krishnai	78J4C1	Dug	0.8	57	26°02'05"	90°39'42"	Alluvium	Brahmaputra
Pattarpara	ASGP22	Dug	0.7	44	25°58'04"	90°54'23"	Alluvium	Brahmaputra
Rongjuli	78K1D2	Dug	0.3	59	25°58'10"	90°55'30"	Alluvium	Brahmaputra
Salpara	ASGP16	Dug	0.7	52	26°00'46"	90°42'03"	Alluvium	Brahmaputra
Sarapara	ASGP23	Dug	0.85	57	25°58'17"	90°57'09"	Alluvium	Brahmaputra
Teuli	ASGP20	Dug	0.6	47	26°04'24"	90°30'50"	Alluvium	Brahmaputra
Golaghat								
Balibat	ASGL09	Dug	0.2	75			Alluvium	Brahmaputra
Bokakhat	83F2C2	Dug	0.53	78.08	26°38'00"	94°37'00'	Alluvium	Brahmaputra
Bokakhat I	ASGL12	Dug	0.7	72	26°38'14"	94°37'40"	Alluvium	Brahmaputra
Bongaon	ASGL11	Dug	0.66		26°39'23"	94°48'09"	Alluvium	Brahmaputra
Butalikua	ASGL16	Dug	0.95	55	26°34'54"	93°52'12"	Alluvium	Brahmaputra
Dhalaguri	ASGL14	Dug	0.72		26°31'48"	93°51'11"	Alluvium	Brahmaputra
Gandhibari Namghar	ASGL10	Dug	0.82	88	26°31'38"	94°48'35"	Alluvium	Brahmaputra
Garampani	ASGL15	Dug	0.75	95	26°23'34"	93°52'49"	Alluvium	Brahmaputra
Garigaon	ASGL17	Dug	1	80	26°26'53"	93°58'18"	Alluvium	Brahmaputra
Golaghat	83F2D1	Dug	0.85	93.11	26°32'00"	93°59'00"	Alluvium	Brahmaputra
Haldibari Buri Ai	ASGL13	Dug	0.4	87	26°35'09"	93°19'33"	Alluvium	Brahmaputra
Kamargaon I	83F2C1	Dug	0.98	79.91	26°38'00"	93°45'00"	Alluvium	Brahmaputra
Kahara Kaziranga	83F2B1	Dug	1.1	81.44	26°37'00"	93°27'30"	Alluvium	Brahmaputra
Oating	83J3A1	Dug	0.75	109.06	26°26'00"	94°00'30"	Alluvium	Brahmaputra
Hailakandi								
Burakhai	ASHL08	Dug	0.8	12	24°37'45"	92°40'29"	Alluvium	Meghna
Katlicherra N	ASHL02A	Dug	0.2	35	24°27'05"	92°37'10"	Alluvium	Meghna
Lakhinagar	ASHL09	Dug	0.85	18	24°36'11"	92°31'52'	Alluvium	Meghna
Lala	ASHL10	Dug	0.62		24°35'52'	92°33'43'	Alluvium	Meghna
Monacherra	83D2C3	Tube	0.89	4	24°36'45"	92°33'15"	Sandstone	Meghna
Panchgram New	ASHL05A	Dug	0.9	21	24°51'30"	92°36'02"	Alluvium	Meghna
Syedband Part II	ASHL01A	Dug	0.9	25	24°43'39"	94°35'00"	Alluvium	Meghna
Hojai								
Lanka	83C1D1	Dug	0.72	79.71	26°11'17"	92°44'10"	Alluvium	Brahmaputra
Lumding	83G1A1	Dug	0.7	137.02	25°46'00"	93°10'30"	Sandstone	Brahmaputra
Tirchang	ASNG47	Dug	0.85		26°08'16"	92°48'42"	Alluvium	Brahmaputra
Zebra Khua	ASNG33	Dug	0.85	82.25	26°08'20"	92°48'31"	Alluvium	Brahmaputra
Jorhat								
Bijay Nagar	ASJR33	Dug	0.41		26°43'21"	94°10'38"	Alluvium	Brahmaputra
Chengal Ati	ASJR24	Dug	0.6		26°48'00"	94°05'04"	Alluvium	Brahmaputra
Chutuyakari	ASJR31	Dug	0.76		26°42'25"	94°10'34"	Alluvium	Brahmaputra

Village	Well No	Well Type	MP (magl)	RL (amsl)	Latitude	Longitude	Geology	River Basin
Cinemara Tinali	ASJR27	Dug	0.86		26°42'38"	94°13'57"	Alluvium	Brahmaputra
Cinemora	ASJR18	Dug	0.53		26°42'34"	94°12'59"	Alluvium	Brahmaputra
Dabarapara charali	83J2B3	Dug	0.85	84.15	26°40'00"	94°24'30"	Alluvium	Brahmaputra
Gatisunga	ASJR37	Dug	1.35	97	26°40'44"	94°23'07"	Alluvium	Brahmaputra
Kakojan I	83J1B1	Dug	0.41	90.27	26°50'00"	94°22'00"	Alluvium	Brahmaputra
Kamarbandha	ASJR34	Dug	1.25		26°39'36"	94°07'53"	Alluvium	Brahmaputra
Kokilamukh	83J1A3	Dug	0.51		26°49'07"	94°10'18"	Alluvium	Brahmaputra
Kolakhowa	ASJR20	Dug	0.67	44.63	26°46'48"	94°13'28"	Alluvium	Brahmaputra
Kunwari Pukhuri	ASJR35	Dug	0.55		26°41'54"	94°12'25"	Alluvium	Brahmaputra
Lichubari	ASJR21	Dug	0.92		26°43'38"	94°12'38"	Alluvium	Brahmaputra
Mariani	83J2B4	Dug	0.9	115.05	26°39'30"	94°19'30"	Alluvium	Brahmaputra
Meleng Kaparadharia	ASJR28	Dug	0.75		26°47'25"	94°18'08"	Alluvium	Brahmaputra
Rajoi TG	83J2B5	Dug	0.85	48.59	26°44'00"	94°20'00"	Alluvium	Brahmaputra
Rangajan PHE Sc	ASJR26	Dug	0.8	21.27	26°38'21"	94°12'58"	Alluvium	Brahmaputra
Saklatinga TGI	83J2A11	Dug	0.9		26°43'12"	94°03'24"	Alluvium	Brahmaputra
Saruhoj	ASJR19	Dug	0.82		26°43'12"	94°21'15"	Alluvium	Brahmaputra
Selenghat	83J2B2	Dug	1.05	97.03	26°42'30"	94°30'00"	Alluvium	Brahmaputra
Sodial Kacharigaon	ASJR22	Dug	1.08		26°30'24"	94°09'25"	Alluvium	Brahmaputra
Tipamia	83J2A6	Dug	0.5	100.77	26°32'00"	94°11'00"	Alluvium	Brahmaputra
Titabor	83J2A7	Dug	0.35	96.59	26°36'00"	94°12'30"	Alluvium	Brahmaputra
Kamrup								
Abhaipur	ASKM44	Dug	0.9	34	26°15'15"	91°33'30"	Alluvium	Brahmaputra
Agyathuri	78N4C2	Dug	0.85	49.8	26°12'30"	91°37'30"	Alluvium	Brahmaputra
Alikash Adarsh	78N4C16	Dug	1.05	39	26°14'00"	91°37'00"	Alluvium	Brahmaputra
Bamunigaon I	78N4B3	Dug	0.7	51.67	26°01'15"	91°19'40"	Alluvium	Brahmaputra
Borghuli	78N2C3	Dug	1.48	61.59	26°31'00"	91°40'00"	Alluvium	Brahmaputra
Boko I	ASKM39	Dug	0.75	54	25°59'42"	91°16'04"	Alluvium	Brahmaputra
Charani	ASKM48	Dug	0.85		26°30'05"	91°35'15"	Alluvium	Brahmaputra
Chhaygaon	ASKM41	Dug	0.9	38	26°02'28"	91°21'35"	Alluvium	Brahmaputra
Darkuchi	78N2C4	Dug	0.72	62.56	26°30'30"	91°36'00"	Alluvium	Brahmaputra
Dhobartari	ASKM45	Dug	0.81	43	26°15'30"	91°41'50"	Alluvium	Brahmaputra
Dora Kahara	ASKM47	Dug	0.62	35	26°17'30"	90°43'00"	Alluvium	Brahmaputra
Hajo	78N4C5	Dug	0.82	47.43	26°15'00"	91°32'00"	Alluvium	Brahmaputra
Kachkatchi	ASKM49	Dug	0.61	56	26°06'37"	92°10'06'	Alluvium	Brahmaputra
Kahara	78N3C2	Dug	0.9	52.25	26°18'10"	91°43'07"	Alluvium	Brahmaputra
Mirza	ASKM42	Dug	0.8	70	26°05'35"	91°32'50"	Alluvium	Brahmaputra
Rajapara	78O1A3	Dug	0.8	64	25°56'39"	91°07'05"	Alluvium	Brahmaputra
Rangia new	ASKM31	Dug	0.42	27	26°26'15"	91°37'25"	Alluvium	Brahmaputra
Rani	ASKM32	Dug	0.9	76	26°02'27"	91°35'12'	Alluvium	Brahmaputra
Rani II	ASKM43	Dug	0.85	272	26°04'07"	91°36'22"	Alluvium	Brahmaputra
Sualkuchi	78N4C11	Dug	0.87	38	26°10'15"	91°35'05"	Alluvium	Brahmaputra
Tarani	ASKM48	Dug	0.85	28	26°30'05'	91°35'15'	Alluvium	Brahmaputra

Village	Well No	Well Type	MP (magl)	RL (amsl)	Latitude	Longitude	Geology	River Basin
Kamrup Metro								
Amingaon	ASKM46	Dug	0.8	53	26°11'40"	91°39'32"	Alluvium	Brahmaputra
Azara	78N4C1	Dug	1.18	49.51	26°07'00"	91°30'00"	Alluvium	Brahmaputra
Bamfor	ASKM50	Dug	0.96	53	26°06'10"	92°08'31"	Alluvium	Brahmaputra
Boragaon	78N4C7	Dug	0.9	46.81	26°05'00"	91°37'00"	Alluvium	Brahmaputra
Chandrapur	78N4D9	Dug	0.87	55.66	26°11'32"	91°56'30"	Gneiss	Brahmaputra
Dirgheswari	78N4C12	Dug	0.93	50.73	26°14'18"	91°44'34"	Alluvium	Brahmaputra
Kahilipara	78N4D7	Dug	0.75	53	26°08'00"	91°46'00"	Gneiss	Brahmaputra
Khanapara	78N4D3	Dug	0.75	75	26°07'15"	91°49'05"	Alluvium	Brahmaputra
Khetri II	ASKM51	Dug	0.6	58	26°07'08"	92°06'06"	Alluvium	Brahmaputra
Maligaon	78N4C6	Dug	0.87	45.57	26°07'40"	91°37'40"	Alluvium	Brahmaputra
Paltan bazar	78N4C14	Dug	0.84		26°10'42"	91°45'23"	Alluvium	Brahmaputra
Panikhaiti	78N4D4	Dug	0.66	52.34	26°11'30"	91°53'00"	Alluvium	Brahmaputra
Rani1	78N4C9	Dug	0.9	53.64	26°05'00"	91°40'00"	Alluvium	Brahmaputra
Rani2	ASKM43	Dug	0.85	84	26°03'55"	91°36'22"	Alluvium	Brahmaputra
Samata Pathar	ASKM36A	Dug	0.92	60	26°07'08"	91°58'48"	Alluvium	Brahmaputra
Sonapur	83B4A2	Dug	0.85	61.71	26°07'00"	92°00'30"	Alluvium	Brahmaputra
Sonapur II	ASKM52	Dug	1	56	26°07'58"	91°58'48"	Alluvium	Brahmaputra
Topatoli	83B4A4	Dug	0.98	60	26°06'30"	92°07'00"	Alluvium	Brahmaputra
Topatoli New	ASKM35A	Dug	0.5	60.5	26°07'20"	92°06'15"	Alluvium	Brahmaputra
Zoo Narengi rd	78N4D2	Dug	1.04	59.22	26°10'30"	91°47'10"	Alluvium	Brahmaputra
Karbi Anglong								
Adarakha Tiniali	ASKA44	Dug	0.87	120	26°07'03"	93°47'06"	Alluvium	Brahmaputra
Amlokhi	ASKA53	Dug	1.35	144	25°57'40"	93°29'19"	Alluvium	Brahmaputra
Balipathar	83F4D3	Dug	0.9	125.88	26°09'25"	93°48'00"	Alluvium	Brahmaputra
Bokajan I	ASKA41	Dug	0.75	127	26°08'32"	93°51'10"	Alluvium	Brahmaputra
Bokajan II	ASKA42	Dug	0.6	127	26°01'38"	93°45'48"	Alluvium	Brahmaputra
Bokoliaghat	ASKA34	Dug	1	74	26°03'49"	93°11'06"	Alluvium	Brahmaputra
Boithalansu	83C1C2	Dug	0.97	69.3	25°58'45"	92°36'19"	Alluvium	Brahmaputra
Bokulia	83G1C3	Dug	0.69	104.78	25°52'30"	93°32'00"	Alluvium	Brahmaputra
Dengaon R10	ASKA33	Dug	0.95		26°13'21"	92°58'47"	Alluvium	Brahmaputra
Dengaon R5	83B4D7	Dug	0.93	82.84	26°11'36"	92°57'57"	Alluvium	Brahmaputra
Dentaghat	83F3A1	Dug	0.9	103.24	26°16'41"	93°08'19"	Alluvium	Brahmaputra
Deopani	83F4D4	Dug	1.05	116.16	26°13'15"	93°50'32"	Alluvium	Brahmaputra
Dillai	83G1C4	Dug	0.69	145	25°57'45"	93°35'06"	Alluvium	Brahmaputra
Diphu	83G1B1	Dug	0.79	183.6	25°50'30"	93°27'00"	Sandstone	Brahmaputra
Diphu (Lumding Road)	ASKA58	Dug	0.69		25°50'04'	93°24'24'	Sandstone	Brahmaputra
Diphu(Matibung Road)	ASKA57	Dug	1.17	166	25°50'46'	93°26'41'	Sandstone	Brahmaputra
Dishobai	ASKA35	Dug	0.67	97	26°03'49"	93°11'06"	Alluvium	Brahmaputra
Donkamokam	83C1C1	Dug	0.95	74.89	25°56'00"	92°42'31"	Alluvium	Brahmaputra
Ghouria Dhubi	ASKA43	Dug	0.8	168	26°00'17"	93°46'07"	Alluvium	Brahmaputra

Village	Well No	Well Type	MP (magl)	RL (amsl)	Latitude	Longitude	Geology	River Basin
Habranrangapar	83F4A7	Dug	0.95	90.25	26°13'15"	93°03'14"	Alluvium	Brahmaputra
Hapjan	83G1C1	Dug	0.82	148.35	25°54'10"	93°32'00"	Sandstone	Brahmaputra
Hawaiipur	83C1D5	Dug	0.67	86.9	25°50'46"	92°57'53"	Alluvium	Brahmaputra
Hidipi	83F4C1	Dug	0.8	169	26°01'07"	93°38'01"	Alluvium	Brahmaputra
Kalonga	83C1D2	Dug	0.77	91.92	25°51'43"	92°46'06"	Alluvium	Brahmaputra
Khatkhati	83G1D3	Dug	0.79	139.16	25°58'38"	93°45'45"	Alluvium	Brahmaputra
Khatkhati I	ASKA50	Dug	0.54	143	25°59'29"	93°45'51"	Alluvium	Brahmaputra
Kheronighat	83C1D3	Dug	0.88	79.87	25°50'49"	92°53'52"	Alluvium	Brahmaputra
Khatkhati CRBF	ASKA40	Dug	0.72		26°02'22"	93°36'24"	Alluvium	Brahmaputra
Lahorijan	ASKA51	Dug	0.75	154	25°54'25"	93°39'40"	Alluvium	Brahmaputra
Lakhijan	ASKA52	Dug	0.99	135	26°03'02"	93°44'53"	Alluvium	Brahmaputra
Langhing	ASKA32	Dug	0.84		26°12'10"	93°08'01"	Alluvium	Brahmaputra
Manikpur	83F4A6	Dug	0.87	98.64	26°14'57"	93°09'04"	Alluvium	Brahmaputra
Manja Bus Stand	ASKA39	Dug	0.2	129	25°58'12"	93°26'14"	Alluvium	Brahmaputra
Manja Forest	83G1B2	Dug	0.9	161.05	25°57'25"	93°26'33"	Alluvium	Brahmaputra
Mohendijua	ASKA38	Dug	1	132	25°59'40"	93°24'39"	Alluvium	Brahmaputra
Phonglangso	ASKA36	Dug	0.92	119	26°00'34"	93°15'44"	Alluvium	Brahmaputra
Phuloni	83F4A2	Dug	0.94	90.56	26°10'56"	93°08'49"	Alluvium	Brahmaputra
Saphapani	ASKA45	Dug	0.89	109	26°11'48"	93°47'43"	Alluvium	Brahmaputra
Sidharampur	ASKA48	Dug	0.87		26°13'04"	93°01'13"	Gneiss	Brahmaputra
Silanijan	83F3D1	Dug	0.8	106.35	26°19'00"	93°52'30"	Alluvium	Brahmaputra
Siljuri	83F2B2	Dug	0.71	79.78	26°32'30"	93°27'00"	Alluvium	Brahmaputra
Swarghati	ASKA31	Dug	0.63		26°12'10"	93°06'33"	Alluvium	Brahmaputra
Tarabasa	ASKA47	Dug	0.85		26°08'50"	93°08'53"	Gneiss	Brahmaputra
Terangaon	ASKA37	Dug	1	120	26°01'02"	93°22'54"	Alluvium	Brahmaputra
Karimganj								
Badarpur	83D1C1	Dug	0.65	8	24°52'00"	92°34'00"	Alluvium	Meghna
Dhaulia	83D2B6	Dug	0.6	41	24°38'30"	92°21'15"	Alluvium	Meghna
Hatikira	83D3B1	Dug	0.66	36	24°26'00"	92°17'30"	Sandstone	Meghna
Kalinagar	ASKG12	Dug	0.78	12	24°35'03'	92°29'01'	Sandstone	Meghna
Karimganj	ASKG15	Dug	0.9	74	24°51'54"	92°21'49"	Alluvium	Meghna
Kayasthagram	ASKG16	Dug	0.92	30	24°43'15"	92°20'47"	Alluvium	Meghna
Patharkandi	ASKG17	Dug	0.99	20	24°35'49"	92°19'14"	Alluvium	Meghna
Rk Nagar I	83D2B4	Dug	0.9	37	24°32'20"	92°29'00"	Sandstone	Meghna
Sarkaribari	83D2B7	Dug	0.85	32	24°33'45"	92°24'50"	Alluvium	Meghna
Kokrajhar								
Balajan	ASDH15	Dug	0.83	22	26°05'50"	89°53'13"	Alluvium	Brahmaputra
Rupshi	78F4D3	Dug	0.90	25	26°07'05"	89°55'21.2"	Alluvium	Brahmaputra
Balemjhora	78F2D1	Dug	0.8	78	26°38'00"	89°53'30"	Alluvium	Brahmaputra
Bhowraguri	78J3A3	Dug	0.65		26°25'30"	90°04'30"	Alluvium	Brahmaputra
Bisumari	78J2B1	Dug	0.85	68.23	26°34'00"	90°18'00"	Alluvium	Brahmaputra
Borobazar	78J2C1	Dug	1.25		26°24'00"	90°16'48"	Alluvium	Brahmaputra

Village	Well No	Well Type	MP (magl)	RL (amsl)	Latitude	Longitude	Geology	River Basin
Deosiri	78J1B1	Dug	0.81	148.51	26°46'00"	90°28'00"	Alluvium	Brahmaputra
Dotma	78J3A1	Dug	0.83	51.65	26°29'30"	90°09'30"	Alluvium	Brahmaputra
Garubassa	78J2B5	Dug	0.86		26°33'30"	90°23'00"	Alluvium	Brahmaputra
Gossaigaon	78F3D1	Dug	1.15	47.29	26°26'30"	89°58'00"	Alluvium	Brahmaputra
Guma	78F3D2	Dug	1.2		26°21'48"	89°54'00"	Alluvium	Brahmaputra
Haltugaon	78J2C2	Dug	0.9		26°43'00"	90°34'00"	Alluvium	Brahmaputra
Kachugaon	78J2A1	Dug	0.65	57.28	26°34'00"	90°04'00"	Alluvium	Brahmaputra
Kokrajhar	78J3B1	Dug	1	44.69	26°22'45"	90°17'00"	Alluvium	Brahmaputra
Sataguri	ASKK20	Dug	1.35				Alluvium	Brahmaputra
Serfanguri	78J2A2	Dug	0.78		26°34'09"	90°09'00"	Alluvium	Brahmaputra
Ultapani	78J1B2	Dug	1.2		26°49'30"	90°15'20"	Alluvium	Brahmaputra
Lakhimpur								
Amguri	ASLK23	Dug	1	71	26°53'00"	93°46'00"	Alluvium	Brahmaputra
Amsoi	ASLK01	Dug	0.37		27°02'00"	93°43'00"	Alluvium	Brahmaputra
Basudeothan	83I3B8	Dug	0.83	89.56	27°15'30"	94°21'30"	Alluvium	Brahmaputra
Bhogpur charali	83E4D1	Dug	0.82	91.71	27°02'00"	93°50'10"	Alluvium	Brahmaputra
Bihpuria	83E4D4	Dug	0.87	87.28	27°02'00"	93°54'30"	Alluvium	Brahmaputra
Borbil Tariyani	ASLK29	Dug	0.82	94	27°24'14"	94°10'06"	Alluvium	Brahmaputra
Dejoo	ASLK24	Dug	1.03	79	27°16'18"	94°01'31"	Alluvium	Brahmaputra
Dholpur	83F1D1	Dug	0.69	81.53	26°54'00"	93°47'00"	Alluvium	Brahmaputra
Dolanghat charali	83I4A3	Dug	0.46	93.99	27°10'00"	94°00'00"	Alluvium	Brahmaputra
Dowagaon	83I4B2	Dug	1.25	90.66	27°13'30"	94°20'30"	Alluvium	Brahmaputra
Harmoti	83E4D6	Dug	1	106	27°07'21"	93°51'20"	Alluvium	Brahmaputra
Islampur	83E4D3	Dug	0.9	86.98	27°04'55"	93°54'00"	Alluvium	Brahmaputra
Kadam	83I3A3	Dug	0.75	92	27°17'40"	94°09'10"	Alluvium	Brahmaputra
Kakai	83I3A2	Dug	0.9	110.84	27°17'00"	94°06'45"	Alluvium	Brahmaputra
Koilamari 6 No Line	ASLK31	Dug	0.95	115	27°18'11"	94°02'01"	Alluvium	Brahmaputra
Laluk	83E4D2	Dug	1.12	93.96	27°07'30"	93°54'30"	Alluvium	Brahmaputra
Madhupur	ASLK22	Dug	0.9	75	27°02'32"	93°48'37"	Alluvium	Brahmaputra
Milanpur	ASLK26	Dug	0.8	98	27°26'14"	94°17'53"	Alluvium	Brahmaputra
Moridirgha	ASLK30	Dug	1.47	88	27°19'11"	94°08'04"	Alluvium	Brahmaputra
N Lakhimpur Ow	ASLK27	Tube	0.65	93.345	27°11'56"	94°26'34"	Alluvium	Brahmaputra
N.lakhipur(old)	83I4A1	Dug	1.12	93.35	27°13'00"	94°06'30"	Alluvium	Brahmaputra
Naoboisa	83I4A4	Dug	0.91	93.46	27°10'07"	94°01'23"	Alluvium	Brahmaputra
Narayanpur	83F1D4	Dug	1.14	83.06	26°57'44"	93°51'26"	Alluvium	Brahmaputra
Panigaon	83I4A2	Dug	0.9	87.74	27°07'00"	94°06'42"	Alluvium	Brahmaputra
Pathalipam	83I3B6	Dug	0.99	100.92	27°26'30"	94°17'00"	Alluvium	Brahmaputra
Pathalipam II	ASLK25	Dug	0.96	111	27°26'39"	94°12'47"	Alluvium	Brahmaputra
Morigaon								
Baghara	83B4B2	Dug	0.92	39	26°11'01"	92°17'51"	Alluvium	Brahmaputra
Baropujia	ASMR14	Dug	0.98	45	26°16'28"	92°29'47"	Alluvium	Brahmaputra
Barukati	ASMR27	Dug	0.44	41	26°23'56"	92°13'56"	Alluvium	Brahmaputra

Village	Well No	Well Type	MP (magl)	RL (amsl)	Latitude	Longitude	Geology	River Basin
Barukati Ow	ASMR23	Tube	0.72		26°24'30"	92°14'00"	Alluvium	Brahmaputra
Basanaghat Ow	ASMR19	Tube	0.8	52	26°08'30"	92°19'27"	Alluvium	Brahmaputra
Charaibahi Ow	ASMR22	Tube	0.55	69.29	26°27'30"	92°17'30"	Alluvium	Brahmaputra
Daponibari N	ASMR30	Dug	0.76	61.76	26°08'38"	92°22'27"	Alluvium	Brahmaputra
Deosal	ASMR12	Dug	0.94	40	26°07'35"	92°15'09"	Alluvium	Brahmaputra
Dharamtul	ASMR29	Dug	0.8		26°08'45"	92°21'13"	Alluvium	Brahmaputra
Garmari gaon	83B3A4	Dug	1	38	26°15'21"	92°13'46"	Alluvium	Brahmaputra
Jagibhakatgaon	ASMR20	Tube	0.71	38	26°11'00'	91°14'20'	Alluvium	Brahmaputra
Jagiroad	83B4A1	Dug	0.62	65.24	26°07'00"	92°10'00"	Alluvium	Brahmaputra
Kumoi	ASMR15	Dug	1.13	45	26°11'38"	92°14'46"	Alluvium	Brahmaputra
Moirabari	ASMR25	Dug	0.98	94.58	26°27'16"	92°25'19"	Alluvium	Brahmaputra
Miarabari New	83B3B3	Dug	0.90	94.58	26°27'13"	92°24'42"	Alluvium	Brahmaputra
Morigaon	83B3B10	Dug	0.92	55	26°15'41"	92°22'53"	Alluvium	Brahmaputra
Nasatra	83B4A5	Dug	1	57.11	26°13'30"	92°13'00"	Alluvium	Brahmaputra
Nelle New	ASMR11	Dug	0.84	59.9	26°57'45"	92°42'10"	Alluvium	Brahmaputra
Pubbarbhagia	ASMR24	Dug	0.84		26°57'45"	92°42'10"	Alluvium	Brahmaputra
Pamibahua	ASMR16	Dug	0.92	64.33	26°14'27"	92°15'50"	Alluvium	Brahmaputra
Shugumbari	ASMR17	Dug	1.2		26°25'24"	92°25'13"	Alluvium	Brahmaputra
Silsang Namghar	ASMR13	Dug	0.94	52.07			Alluvium	Brahmaputra
Solmari Ow	ASMR21	Tube	0.72	66.03	26°13'45"	92°23'00"	Alluvium	Brahmaputra
Nagaon								
Amsoi	83B4B5	Dug	0.77	65.77	26°08'16"	92°25'27"	Alluvium	Brahmaputra
Bagori	83F2A4	Dug	1.15	73.08	26°33'00"	93°15'00"	Alluvium	Brahmaputra
Balijan Ow	ASNG42	Tube	0.80	75.20	26°19'44"	92°51'07"	Alluvium	Brahmaputra
Bamuni	ASNG50	Dug	0.90	44.71	26°12'10"	92°52'21"	Alluvium	Brahmaputra
Bamuni tinali	83B3D9	Dug	1.41	58.82	26°18'00"	92°47'00"	Alluvium	Brahmaputra
Beldonga mandir	83B4D8	Dug	0.84	80.01	26°08'19"	92°49'20"	Alluvium	Brahmaputra
Bichamari	83B3B1	Dug	0.87	56.42	26°25'00"	92°27'30"	Alluvium	Brahmaputra
Borchukhaba	83B3B5	Dug	1.04	56.6	26°18'10"	92°25'40"	Alluvium	Brahmaputra
Bordowa	83B3C2	Dug	1.01	57.78	26°24'20"	92°32'30"	Alluvium	Brahmaputra
Dakhinpath OW	ASNG44	Tube	0.72	72.01	26°15'33"	92°38'38"	Alluvium	Brahmaputra
Dalapani	ASNG39	Dug	0.9	77.25	26°34'01"	92°51'44"	Alluvium	Brahmaputra
Dhing	83B3B6	Dug	0.49	60.15	26°29'00"	92°29'30"	Alluvium	Brahmaputra
Doboka	83B4D1	Dug	0.8	60.61	26°11'30"	92°51'00"	Alluvium	Brahmaputra
Ghasibasti Ow	ASNG46	Tube	0.4	52.72	26°20'51"	92°52'31"	Alluvium	Brahmaputra
Gomotha	ASNG34	Dug	0.85		26°20'44"	92°44'55"	Alluvium	Brahmaputra
Haldiati sub bt	83B4D6	Dug	0.89	85.2	26°10'19"	92°56'20"	Alluvium	Brahmaputra
Hatenibatha	ASNG35	Dug	0.68		26°20'11"	92°45'40"	Alluvium	Brahmaputra
Jurapukhuri	83C1D7	Dug	0.84	74.69	25°59'00"	92°55'44"	Alluvium	Brahmaputra
Kathiatoli	83B4C4	Dug	0.94	63.22	26°11'13"	92°44'06"	Alluvium	Brahmaputra
Kazirang Tourist Vil	ASNG27	Dug	0.6		26°35'09"	93°23'42"	Alluvium	Brahmaputra
Kondali	83B3D5	Dug	0.99	82.99	26°15'45"	92°47'00"	Alluvium	Brahmaputra

Village	Well No	Well Type	MP (magl)	RL (amsl)	Latitude	Longitude	Geology	River Basin
Langteng TE	83F3A2	Dug	0.85	75.31	26°27'00"	93°04'00"	Gneiss	Brahmaputra
Lanka	83C1D1	Dug	0.72	79.71	25°54'47"	92°57'42"	Alluvium	Brahmaputra
Lumding	83G1A1	Dug	0.7	137.02	25°46'00"	93°10'30"	Sandstone	Brahmaputra
Nadeorigaon	83B4D2	Dug	0.83	61.56	26°05'15"	92°47'00"	Alluvium	Brahmaputra
Naltali	ASNG37	Dug	0.66	56.00	26°33'00"	92°53'37"	Alluvium	Brahmaputra
Pahukata	ASNG36	Dug	0.91	66.60	26°24'07"	92°48'31"	Alluvium	Brahmaputra
Phulaguri	ASNG48	Dug	0.98	58	26°16'02"	92°35'9"	Alluvium	Brahmaputra
Phulaguri R5	ASNG41	Dug	0.8	58.00	26°01'58"	92°40'03"	Alluvium	Brahmaputra
Phulaguri R6	83F2A5	Dug	0.37	75.00	26°34'40"	93°11'07"	Alluvium	Brahmaputra
Rangamati Ow	ASNG45	Tube	0.80	60.00	26°24'45"	92°25'45"	Alluvium	Brahmaputra
Samuguri	83B3D7	Dug	0.7	63.75	26°24'30"	92°49'45"	Alluvium	Brahmaputra
Silghat	83B2D6	Dug	0.96	63.00	26°35'32"	92°56'04"	Alluvium	Brahmaputra
Sulung p.o.	83B3D8	Dug	0.74	66.49	26°24'00"	92°58'00"	Alluvium	Brahmaputra
Telia bebejia	83B3C7	Dug	0.5	66.96	26°25'00"	92°37'00"	Alluvium	Brahmaputra
Nalbari								
Daulasal	ASBP14	Dug	1.07	37.00	26°16'06"	91°14'03"	Alluvium	Brahmaputra
Daulasal OW	ASBP15	Tube	0.80	40.00	26°16'08"	91°13'17"	Alluvium	Brahmaputra
Aithabari	78N2B5	Dug	0.86	58.98	26°44'05"	91°21'30"	Alluvium	Brahmaputra
Balilecha	78N3B6	Tube	0.5		26°25'04"	91°28'29"	Alluvium	Brahmaputra
Dumnibazar	78N2B2	Dug	0.57	77.75	26°35'30"	91°18'54"	Alluvium	Brahmaputra
Tihu	78N3B3	Dug	0.93	51.63	26°28'30"	91°15'27"	Alluvium	Brahmaputra
Sibsagar								
Athkhel Grant	ASSA05	Dug	0.5		26°46'52"	94°40'49"	Alluvium	Brahmaputra
Bandarmari	83I4C14	Dug	0.87	67	27°11'45"	94°44'55"	Alluvium	Brahmaputra
Betbari alimore	83I4C8	Dug	0.68		27°00'55"	94°39'45"	Alluvium	Brahmaputra
Borkula	ASS102	Tube	0.82	81	26°55'47'	94°44'39'	Alluvium	Brahmaputra
Borkulanagar	ASSA07	Tube	0.82		26°33'40'	94°04'27'	Alluvium	Brahmaputra
Demow Sukan	83I4C11	Dug	0.7	79	27°08'45"	94°44'50"	Alluvium	Brahmaputra
Dhapaboria	83I4C5	Dug	0.84		27°02'10"	94°36'00"	Alluvium	Brahmaputra
Garbhaga	ASS101	Tube	0.85	81	27°11'56'	94°45'00'	Alluvium	Brahmaputra
Geleki	83J1C9	Dug	0.43		26°48'15"	94°42'30"	Alluvium	Brahmaputra
Hanumanbagh	83J1C7	Dug	0.86		26°54'10"	94°43'15"	Alluvium	Brahmaputra
Madhuri Gohain Gaon	ASSA03	Tube	1.00		26°06'00"	94°42'00"	Alluvium	Brahmaputra
Moranhat	83I4D1	Dug	0.5	106.43	27°12'00"	94°56'00"	Alluvium	Brahmaputra
Santak	ASSA04	Dug	1		26°52'45"	94°48'00"	Alluvium	Brahmaputra
Sapekhati	83M4A1	Dug	1	110.71	27°05'00"	95°12'00"	Alluvium	Brahmaputra
Sibsagar	83J1C2	Dug	0.73	96	26°59'30"	94°38'00"	Alluvium	Brahmaputra
Sonarigaon	ASSA02	Dug	0.68		26°44'12"	94°44'07"	Alluvium	Brahmaputra
Sonitpur								
18th Mile	ASSP29	Dug	1	105	26°45'00"	92°48'00"	Alluvium	Brahmaputra
Balipara	83B1D4	Dug	0.9	91	26°49'21"	92°47'10"	Alluvium	Brahmaputra
Barchola	83B2B5	Dug	0.83	69.71	26°36'30"	92°23'00"	Alluvium	Brahmaputra

Village	Well No	Well Type	MP (magl)	RL (amsl)	Latitude	Longitude	Geology	River Basin
Charduar	83B1D1	Dug	0.72	84	26°52'00"	92°46'30"	Alluvium	Brahmaputra
Dhalaibil	83B1D3	Dug	0.75	74	26°46'34"	92°54'17"	Alluvium	Brahmaputra
Dhekiajuli	83B2B2	Dug	0.85	78.04	26°42'08"	92°28'28"	Alluvium	Brahmaputra
Dihaljali	83B1C1	Dug	0.83	103.68	26°51'00"	92°33'36"	Alluvium	Brahmaputra
Garumari	83B1D2	Dug	0.88	71	26°52'00"	92°48'45"	Alluvium	Brahmaputra
Gaudhara Gaon	ASSP 22	Dug	0.5	73	26°50'18"	93°33'45"	Alluvium	Brahmaputra
Ghahigaon	83F1C1	Dug	0.85	79.15	26°50'00"	93°30'00"	Alluvium	Brahmaputra
Jamuguri North	83B2D3	Dug	0.89	77.12	26°43'00"	92°55'30"	Alluvium	Brahmaputra
Kolony	83B1C2	Dug	0.7	99.64	26°51'41"	92°42'21"	Alluvium	Brahmaputra
Na Pam	ASSP31	Dug	1	72	26°41'17"	92°22'40"	Alluvium	Brahmaputra
Rangapara	83B2C1	Dug	0.63		26°44'10"	92°41'05"	Alluvium	Brahmaputra
Sootia	83F2A2	Dug	0.8	71.18	26°44'00"	93°02'30"	Alluvium	Brahmaputra
Tezpur	83B2D2	Dug	0.91	70.06	26°37'30"	92°48'00"	Alluvium	Brahmaputra
Thelamara	ASSP30	Dug	0.54	33	26°41'40"	92°35'12"	Alluvium	Brahmaputra
Tolakbari Ow	ASSP34	Tube	0.72	63	26°41'51"	92°57'22"	Alluvium	Brahmaputra
Tupia	ASSP28	Dug	0.74	76	26°47'56"	92°43'40"	Alluvium	Brahmaputra
Tinsukia								
Borgolai	83M3C2	Dug	0.4	141.51	27°17'30"	95°37'30"	Alluvium	Brahmaputra
Digboi	83M3C1	Dug	0.95	151.5	27°23'30"	95°38'30"	Alluvium	Brahmaputra
Jagun	83M3D4	Dug	0.9	157.9	27°23'37"	95°53'57"	Alluvium	Brahmaputra
Jaipur Naharjan	83M4B5	Dug	0.5	127.37	27°14'29"	95°24'47"	Alluvium	Brahmaputra
KumsangSelenguri	ASTS22	Dug	0.56	133	27°30'00"	95°27'00"	Alluvium	Brahmaputra
Lekhapani	83M3D1	Dug	0.49	147.5	27°18'00"	95°51'30"	Alluvium	Brahmaputra
Panitola	83M3B4	Dug	0.62	117.64	27°29'35"	95°15'36"	Alluvium	Brahmaputra
Tinsukia	83M3B2	Dug	0.75	127.37	27°28'30"	95°22'00"	Alluvium	Brahmaputra
Tipong	ASTS20	Dug	0.92	94	27°17'18"	95°51'36"	Alluvium	Brahmaputra
Tirap gate	83M3D2	Dug	0.8	148.8	27°19'52"	95°51'11"	Sandstone	Brahmaputra
Udalguri								
Goroibari	ASDR31	Dug	0.46	49	26°45'05"	92°08'30"	Alluvium	Brahmaputra
Bengbari	78N2D10	Dug	1	104.88	26°43'25"	91°59'00"	Alluvium	Brahmaputra
Bhalukmari	83B2A7	Dug	0.82	45	26°41'55'	92°13'50'	Alluvium	Brahmaputra
Hatitopagaon	83B1B1	Dug	0.76	140.86	26°50'41"	92°19'16"	Alluvium	Brahmaputra
Kalaigaon	78N2D3	Dug	0.77	69.22	26°34'30"	91°58'00'	Alluvium	Brahmaputra
Kendurtal	78N2D11	Dug	1.27	69	26°36'00"	91°56'00"	Alluvium	Brahmaputra
Madhupur	83B2A6	Dug	0.75		26°36'10"	92°14'20"	Alluvium	Brahmaputra
Orang	83B2B1	Dug	1.2	85.17	26°42'50"	92°19'30"	Alluvium	Brahmaputra
Paneri	78N2D9	Dug	0.95	106.68	26°43'15"	91°55'00"	Alluvium	Brahmaputra
Paneri TG	78N2D1	Dug	0.69	128.47	26°45'00"	91°54'00'	Alluvium	Brahmaputra
Rowta chariali	83B2A3	Dug	0.82	100.83	26°45'02'	91°53'00'	Alluvium	Brahmaputra
Tangla	78N2D2	Dug	0.8	80.56	26°42'30'	92°12'00'	Alluvium	Brahmaputra
Udalguri	83B2A4	Dug	0.84	107.86	26°45'00"	92°06'30"	Alluvium	Brahmaputra
Meghalaya								

Village	Well No	Well Type	MP (magl)	RL (amsl)	Latitude	Longitude	Geology	River Basin
East Garo Hills								
Baiza Rongreng	MLEG15	Dug	0.75		25°32'33"	90°35'06"	Sandstone	Meghna
Darugiri	78K2D2	Dug	0.77	338	25°37'09"	90°46'03"	Alluvium	Brahmaputra
Depa sarangma	78K1D4	Dug	0.8	63.95	25°52'00"	90°47'00"	Alluvium	Brahmaputra
Dobu	MLEG13	Dug	0.6	290	25°33'58"	90°42'47"	Granite	Brahmaputra
Narringirri	MLEG14	Dug	0.85		25°36'37"	90°44'23"	Granite	Brahmaputra
Rongjeng	78K2D1	Dug	0.84	300.43	25°40'00"	90°48'15"	Quartzite	Brahmaputra
Rongmil	78K2D3	Dug	0.78		25°44'10"	90°49'28"	Gneiss	Brahmaputra
Samanda Megapagre	MLEG16	Dug	1		25°34'38"	90°31'37"	Sandstone	Meghna
Songsak	MLEG17	Dug	0.85	275	25°39'48"	90°36'37"	Sandstone	Meghna
Williamnagar	78K2C2	Dug	0.9	245	25°30'36"	90°31'10"	Alluvium	Meghna
East Jaintia Hills								
Powergrid Khliehriat	MLEJ01	Bore	0.6	1142	25°20'40"	92°22'11"	Quartzite	Brahmaputra
East Khasi Hills								
Cherrapunji	78O3C1	Dug	0.2	1411.47	25°27'00"	91°49'00"	Gneiss	Meghna
Dangar	MLEK14	Dug	0.8	19	25°11'20"	91°22'53"	Quartzite	Brahmaputra
Dhankheti	MLEK08	Dug	0.86	1515	25°33'58"	91°53'34"	Quartzite	Brahmaputra
Golf Link	MLEK07	Dug	0.75	1440	25°34'55"	91°53'40"	Quartzite	Brahmaputra
Ichamati	MLEK15	Dug	0.9	51	25°09'54"	91°41'12"	Quartzite	Brahmaputra
Lachumiere	MLEK09	Dug	0.8	1586	25°34'14"	91°53'25"	Quartzite	Brahmaputra
Laitkor	MLEKHOW2	Tube	0.7	186.5	23°21'04"	91°53'33"	Quartzite	Brahmaputra
Lapalang	MLEKHOW5	Tube	0.42	1500	25°34'09"	91°55'08"	Quartzite	Brahmaputra
Mawpat	MLEK11	Dug	0.54	1462	25°35'34"	91°55'09"	Quartzite	Brahmaputra
Nit Cherrapunji	MLEKHOW3	Tube	0.5	594	25°15'01"	91°44'39'	Quartzite	Brahmaputra
Nongmysong	MLEK12	Dug	0.52	1437	25°34'47"	91°54'25"	Quartzite	Brahmaputra
Nongpyiur	MLEKHOW4	Tube	0.8	1772	25°32'31"	91°49'25"	Quartzite	Brahmaputra
Shella	MLEKHOW7	Tube	0.9	51	25°09'54"	91°41'12"	Quartzite	Brahmaputra
Water Resources Dept	MLEKOW1	Dug	0.5	151.4	25°33'56"	91°53'46"	Quartzite	Brahmaputra
North Garo Hills								
Bajengdoba	78K1C2	Dug	0.97	272	25°53'10"	90°30'45"	Alluvium	Brahmaputra
Dainadubi	MLEG11	Dug	0.8		25°53'56"	90°46'39'	Sandstone	Brahmaputra
Kharkutta	78K1D7	Dug	0.93	43	25°54'20"	90°53'40"	Alluvium	Brahmaputra
Mendal	78K1B1	Dug	0.8	64	25°49'29"	90°27'57"	Gneiss	Brahmaputra
Mendipathar	78K1C1	Dug	0.72	58.22	25°55'15"	90°30'30"	Alluvium	Brahmaputra
Ri-Bhoi								
Byrnihat	MLRB02A	Dug	0.45	89	25°42'39"	92°01'22"	Sandstone	Brahmaputra
Lumkeni	MLRBOW7	Bore	0.6	683	25°46'37"	91°51'23"	Gneiss	Brahmaputra
Mawtari Myrdon	MLRBOW8	Bore	0.75	647	25°48'09"	91°50'47"	Gneiss	Brahmaputra
Nayabunglow	MLRB04	Dug	0.94	861	25°44'48"	91°53'12"	Gneiss	Brahmaputra
Nongladew	MLRBOW02	Bore	0.77	364	25°54'10"	91°42'04"	Granite Gneiss	Brahmaputra
Nongpoh	78O1D1	Dug	0.95	540.47	25°54'00"	91°53'00"	Gneiss	Brahmaputra

Village	Well No	Well Type	MP (magl)	RL (amsl)	Latitude	Longitude	Geology	River Basin
Pahanmawlier	MLRB06	Dug	0.8	322	25°59'41"	91°51'42"	Gneiss	Brahmaputra
Patharkhamma Barigaon	MLRB9	Dug	0.9	336	25°52'17"	91°35'41"	Gneiss	Brahmaputra
Purduwa	MLRBOW4	Bore	0.67	601	25°54'51"	91°56'29"	Gneiss	Brahmaputra
RPBF Kyrdemkulai	MLRBOW9	Bore	0.6	788	25°44'57"	91°50'14'	Gneiss	Brahmaputra
Sohpdok	MLRBOW5	Bore	0.7	960	25°45'16"	91°57'56"	Quartzite	Brahmaputra
Tamanpahlong	MLRB	Dug	0.75	584	25°55'33"	91°56'41"	Gneiss	Brahmaputra
Tdohumshiw	MLRBOW6	Bore	0.65	1124	25°46'57"	92°01'06"	Quartzite	Brahmaputra
Umling	MLRBOW3	Bore	0.67	269	25°57'57"	91°51'33"	Gneiss	Brahmaputra
Umroi Maidan	MLRB8	Dug	0.4	904	25°43'06"	91°58'22"	Gneiss	Brahmaputra
Umsaw	MLRBOW1	Bore	0.57	338	25°52'43"	91°36'24"	Granite Gneiss	Brahmaputra
South West Garo Hills								
Ampati	78G3D1	Dug	1.5	33.11	25°30'00"	89°57'30"	Alluvium	Brahmaputra
Betasing II	ASWG25	Dug	0.7	18	25°30'40"	89°57'15"	Sandstone	Brahmaputra
Garobandha	78K2A1	Dug	0.89	20.25	25°35'00"	90°02'00"	Sandstone	Brahmaputra
Mahendraganj	78G3D2	Dug	1	17.51	25°18'00"	89°51'35"	Alluvium	Brahmaputra
Zikzak	78G3D5	Dug	0.84	38	25°23'28"	89°53'56"	Alluvium	Brahmaputra
West Garo Hills								
Asanang	78K2B1	Dug	0.77	441	25°35'58"	90°16'32"	Gneiss	Brahmaputra
Baljek	ASWG17	Dug	0.7	315	25°39'50"	90°16'32"	Alluvium	Brahmaputra
Belguri	ASWG21	Dug	0.7	79	25°57'50"	90°20'34"	Alluvium	Brahmaputra
Dalu	MLWG25	Dug	1	26	25°13'40"	90°12'45"	Sandstone	Brahmaputra
Damjongre	MLWG21	Dug	0.8	140	25°26'58"	90°02'12"	Sandstone	Brahmaputra
Nidanpur II	ASWG19	Dug	0.9		25°56'07"	90°07'30"	Sandstone	Brahmaputra
Phulbari	78K1A1	Dug	0.95	30.95	25°53'00"	90°03'00"	Alluvium	Brahmaputra
Phutamati	ASWG20	Dug	0.8	40	25°56'36"	90°13'12"	Sandstone	Brahmaputra
Purkhasia	78K3A1	Dug	0.78	27.92	25°18'00"	90°01'00"	Alluvium	Brahmaputra
Rajabala	ASWG26	Dug	0.72	23	25°45'20"	89°58'51"	Alluvium	Brahmaputra
Rongram	ASWG18	Dug	0.9	334	25°50'39"	90°12'56"	Granite	Brahmaputra
Salsella	MLWG22	Dug	0.85	86	25°41'41"	90°00'50"	Sandstone	Brahmaputra
Snalgre	MLWG23	Dug	0.72	282	25°44'44"	90°24'06"	Sandstone	Brahmaputra
Tikrikilla	78K1A2	Dug	0.87	36.95	25°56'45"	90°14'40"	Alluvium	Brahmaputra
West Jaintia hills								
Dauki	83C4A1	Dug	0.7	70.95	25°28'00"	91°49'00"	Alluvium	Meghna
Jowai	83C3A1	Dug	0.83	1219.08	25°26'30"	92°10'30"	Sandstone	Meghna
DIET Thadlaskein	MLWJ01	Dug	0.62	1380	25°29'38"	92°10'06"	Sandstone	Meghna
West Khasi Hills								
Mairang	78O2C1	Dug	0.3	1663	25°34'40"	91°38'30"	Gneiss	Brahmaputra
Nongdaju	MLWK01	Dug	0.40	1663.00	25°33'02"	90°55'07"	Gneiss	Brahmaputra
Nagaland								
Dimapur								
3 Mile Bazar	NLDM19	Dug	0.9	146	25°52'50"	93°45'44"	Alluvium	Brahmaputra

Village	Well No	Well Type	MP (magl)	RL (amsl)	Latitude	Longitude	Geology	River Basin
7th Mile Colony	NLDM21	Dug	0.7	170	25°50'38"	93°46'27"	Alluvium	Brahmaputra
Bade Bazar	NLDM14	Dug	0.8	155	25°49'33"	93°41'07"	Alluvium	Brahmaputra
Bamunpukhri-1	83G9GM16	Tube	0.5		25°55'27"	93°46'00"	Alluvium	Brahmaputra
Chumukidema	83G1D1	Dug	0.85	182	25°48'00"	93°47'45"	Alluvium	Brahmaputra
DGM Colony	83G1C8	Tube	0.23	152	25°54'46"	93°42'55"	Alluvium	Brahmaputra
DGM office Dimapur	83G13GM10	Tube	1.2				Alluvium	Brahmaputra
Dhansiripar	83G1C5	Dug	0.8	168.54	25°46'00"	93°37'00"	Sandstone	Brahmaputra
Dimapur	83G1C2	Dug	0.7	152.26	25°54'20"	93°42'45"	Alluvium	Brahmaputra
Diphupar	NLDM22	Dug	0.85	151	25°51'52"	93°46'24"	Alluvium	Brahmaputra
Doyapur DMC	NLDM12	Dug	0.63	158	25°45'40"	93°36'02"	Alluvium	Brahmaputra
Industrial Estate	83G1C7	Dug	0.9	158	25°53'58"	93°41'59"	Alluvium	Brahmaputra
Jalukie	83G2C1	Dug	0.89		25°38'00"	93°39'00"	Alluvium	Brahmaputra
Lumthi colony	83G1D2	Tube	0.52	151.74	25°54'00"	93°45'50"	Sandstone	Brahmaputra
Maibiram	NLDM13	Dug	0.7	160	25°46'58"	93°37'25"	Alluvium	Brahmaputra
Marwari Colony	83G1C9	Dug	0.76	153	25°54'10"	93°43'45"	Alluvium	Brahmaputra
Purana Bazar	83G1C10	Tube	0.5	140	25°54'54"	93°44'58"	Alluvium	Brahmaputra
Rilayan Colony	NLDM24	Dug	1.19	149	25°54'10"	93°41'04"	Alluvium	Brahmaputra
Seirujha Colony, Chumukedima	83G9GM11	Tube	1	165	25°48'01"	93°45'43"	Alluvium	Brahmaputra
Singrijan	83G1C6	Dug	0.66	155	25°50'00"	93°43'00"	Sandstone	Brahmaputra
Thilaxu Block-II	NLDM16	Dug	0.61	145	25°52'38"	93°44'15"	Alluvium	Brahmaputra
Zakesatho Colony	NLDM23	Dug	0.85	135	25°55'06"	93°43'44"	Alluvium	Brahmaputra
Zion Hospital	NLDM18	Dug	0.85		25°54'39"	93°44'46"	Alluvium	Brahmaputra
Kohima								
Cathedral Complex	83K2A1	Dug	0.89	1590	25°39'00"	94°06'25"	Sandstone	Brahmaputra
NLSA Complex	83K2A2	Tube	0.5	1310	25°43'02"	94°06'31"	Sandstone	Brahmaputra
Sepfuzou Colony	83K2A3	Dug	0.76	1425	25°41'03"	94°06'22"	Sandstone	Brahmaputra
Mokokchung								
Lampi	83J3B1	Tube	0.5	189.91	26°27'30"	94°22'10"	Sandstone	Brahmaputra
Mon								
Mon Town	83N2GM14	Tube	0.8		26°50'28"	94°55'16"	Alluvium	Brahmaputra
Namsa	83J1D1	Dug	0.73	125.83	26°51'30"	94°56'30"	Alluvium	Brahmaputra
Phek								
Phek Town	83K6GM13	Tube	0.8		25°42'30"	94°27'50"	Alluvium	Brahmaputra
Tuensang								
Tuensang	83J16GM12	Tube	0.9		26°14'03"	94°48'50"	Alluvium	Brahmaputra
Wokha								
New Market	83J4B2	Dug	0.41	1365	26°05'39"	94°15'23"	Sandstone	Brahmaputra
Tourist Lodge	83J4B1	Dug	0.8	1370	26°06'20"	94°15'26"	Alluvium	Brahmaputra
Wokha Town	83N2GM15	Tube			26°10'33"	94°15'11"	Alluvium	Brahmaputra
Tripura								
Dhalai								

Village	Well No	Well Type	MP (magl)	RL (amsl)	Latitude	Longitude	Geology	River Basin
Abhanga N	TRDL04	Dug	0.77	58.7	24°03'14"	91°49'51"	Alluvium	Meghna
Ambassa N	TRDL06	Dug	0.92	58.89	23°54'55"	91°52'00"	Alluvium	Meghna
Chawmanu	TRDL13	Dug	0.82	59	23°51'44"	91°59'56"	Alluvium	Meghna
Darlang Basti	TRDL02	Dug	0.9	205	24°06'43"	92°11'54"	Alluvium	Meghna
Durga Cherra	TRDL09	Dug	0.98	87	23°36'32"	91°49'33"	Alluvium	Meghna
Durga Chowmuhani	TRDL01	Dug	0.8	47	24°06'43"	92°11'54"	Alluvium	Meghna
J.M. Complex, Chailengta	TRDL12	Dug	1.3	54	23°56'37"	92°00'19"	Alluvium	Meghna
Kali Kumar Para	TRDL10	Dug	0.78	43	23°06'05"	91°51'36"	Alluvium	Meghna
Kamalpur	78P4D1	Dug	0.66	32.59	24°12'15"	91°50'30"	Alluvium	Meghna
Kulai	TRDL08	Pz	0.76	34	23°56'55.1"	91°49'34.5"	Alluvium	Meghna
Lalchari	TRDL03	Dug	0.92	66	23°56'03"	91°51'16"	Alluvium	Meghna
Manu N	TRDL05	Dug	0.95	39.5	24°00'00"	91°59'00"	Sandstone	Meghna
Nuna Cherra	TRDL11	Dug	0.83	106	23°47'15"	91°51'19"	Alluvium	Meghna
Sindhu Kumar	TRDL07	Dug	0.9	55	23°57'09"	91°57'38"	Sandstone	Meghna
Gomati								
Amarpur	TRST05	Dug	0.89	39.96	23°30'49"	91°39'24"	Alluvium	Meghna
Bampur	TRST 06	Dug	0.96	41	23°33'44"	91°38'07"	Alluvium	Meghna
Dewanbari	TRGM04	Dug	0.78	57	23°33' 28"	91°32'07"	Alluvium	Meghna
Dhawajnar, Udaipur	79M2B8	Dug	1.36	45	23°32'55"	91°28'35"	Alluvium	Meghna
Garjee Bazar	79M3B4	Dug	0.8	32.62	23°25'36"	91°13'21"	Alluvium	Meghna
Jatanbari	TRGM01	Dug	0.77	68	23°25'12"	91°45'30"	Alluvium	Meghna
Joingkami	TRGM03	Dug	0.96	49	23°36'04"	91°31'30"	Alluvium	Meghna
Kankraban	TRST12	Dug	0.87	17	23°29'43"	91°24'49"	Alluvium	Meghna
Naobari-2	TRGM02	Dug	1	12	23°35'28"	91°31'10"	Alluvium	Meghna
Twidu	TRGM06	Dug	0.9	60	23°43'52"	91°39'19"	Alluvium	Meghna
Khowai								
45miles	TRKH01	Dug	0.7	232	23°57'09"	91°57'38"	Alluvium	Meghna
Chakmaghat Ew	TRWT02	Tube	0.75	54	23°50'06.1"	91°40'33.8"	Sandstone	Meghna
Chakmaghat Ow	TRWT03	Tube	0.75	54	23°50'06"	91°40'33.8"	Sandstone	Meghna
Jamadar Para	TRKH04	Dug	0.74	39	24°02'02"	91°33'46"	Sandstone	Meghna
Kalyanpur	79M1C2	Dug	0.92	41.71	23°55'00"	91°36'40"	Alluvium	Meghna
Kathalbari	TRKH05	Dug	0.94	45	23°58'22"	91°36'26"	Alluvium	Meghna
Khowai	78P4C5	Dug	0.72	21	24°04'55"	91°36'58"	Alluvium	Meghna
Paschim Hawaibari	TRWT34	Dug	0.7	44.63	23°48'36"	91°35'31"	Alluvium	Meghna
Totabari EW	TRKH02	Tube	0.78	52	23°54'33"	91°37'13"		
Tuimadhu	TRWT37	Dug	0.96	58	23°50'06"	91°41'11"	Alluvium	Meghna
North Tripura								
Ananda Bazar	TRNT29	Dug	0.75	80	23°50'52"	92°12'39"	Alluvium	Meghna
Bagbassa N	TRNT10	Dug	0.95	39.75	24°20'26"	91°13'07"	Alluvium	Meghna
Churaibari	TRNT23	Dug	0.96	32	24°26'29"	92°14'16"	Alluvium	Meghna
Dataram	TRNT30	Dug	0.78	80	23°45'55"	92°13'43"	Alluvium	Meghna

Village	Well No	Well Type	MP (magl)	RL (amsl)	Latitude	Longitude	Geology	River Basin
Deocherra	TRNT25	Dug	0.88	43	24°18'37"	92°09'35"	Alluvium	Meghna
Dharmanagar	83D3B2	Dug	1.47	28.575	24°16'00"	92°16'00"	Alluvium	Meghna
Kanchanpur	84A1A1	Dug	0.5	87.86	23°55'00"	92°12'00"	Sandstone	Meghna
Kanchanpur Court Ow	TRNT01	Tube	0.84	61	24° 3' 24.08"	92°12'04.1"	Sandstone	Meghna
Khedacherra	TRNT28	Dug	0.79	60	24°05'40"	92°19'21"	Sandstone	Meghna
Krishnapur	TRNT19	Dug	1.35	25	24°20'22"	92°09'28"	Alluvium	Meghna
Kunjanagar	TRNT21	Dug	1.07	80	24°14'44"	92°12'20"	Alluvium	Meghna
Lalchhara	TRNT22	Dug	0.9	-11	24°25'57"	92°11'32"	Alluvium	Meghna
Laljuri	TRNT15	Dug	0.87	71	24°06'43"	92°11'54"	Alluvium	Meghna
Naba Joypara (natun Basti)	TRNT20	Dug	0.78	95	24°10'30"	92°12'59"	Alluvium	Meghna
Narendra Nagar	TRNT26	Dug	0.86	58	24°14'29"	92°17'06"	Alluvium	Meghna
Panisagar	83D4A1	Dug	0.78	41.6	24°14'30"	92°11'00"	Alluvium	Meghna
Rajnagar New	TRNT13	Dug	0.84	29	24°19'14"	92°07'05"	Alluvium	Meghna
Sabual	TRNT31	Dug	0.86	780	23°51'56"	92°15'52"	Alluvium	Meghna
Sanicherra	TRNT24	Dug	0.92	34	24°23'01"	92°13'57"	Alluvium	Meghna
Satnala	TRNT16	Dug	1.05	58	24°08'00"	92°09'05"	Alluvium	Meghna
Sipahi-Jala								
Dakshin Kalamcherra	TRWT04A	Dug	0.96	22	23°34'25"	91°12'33"	Alluvium	Meghna
Golaghati	TRSJ01	Dug	0.85	51	23°40'38"	91°21'37"	Alluvium	Meghna
Gongrai	TRWT36	Dug	0.55	40	23°39'24"	91°27'14"	Alluvium	Meghna
Kathalia bazar	79M3B5	Dug	0.75	13.76	23°23'00"	91°19'00"	Alluvium	Meghna
Konaban	TRSJ05	Dug	0.46					
Kenania	79M2A2	Dug	0.84	20.72	23°44'00"	91°11'00"	Alluvium	Meghna
Lalmaibari	TRSJ03	Dug	1.12	31	23°33'03"	91°16'25"	Alluvium	Meghna
Rajib Nagar	TRSJ06	Dug	0.88	41.3	23°34'16"	91°23'26"	Alluvium	Meghna
Shivnagar	TRSJ02	Dug	1.13	35	23°32'58"	91°16'58"	Alluvium	Meghna
Tufaniamura	TRWT35	Dug	0.72	28	23°41'55"	91°24'25"	Alluvium	Meghna
South Tripura								
Amlı Ghat	TRST 35	Dug	0.93	10	22°58'43"	91°34'44"	Alluvium	Meghna
Ananda Bandhu Para	TRST 42	Dug	0.87		23°12'50"	91°46'44"	Alluvium	Meghna
Baishnabpur	TRST 30	Dug	0.7	12	23°02'43"	91°45'57"	Alluvium	Meghna
Bankul Mahamuni	TRST 39	Dug	0.95		23°07'05"	91°41'52"	Alluvium	Meghna
Barkashari	TRST44	Dug	0.85	20	23°17'45"	91°23'17"	Alluvium	Meghna
Bijaynagar	TRST 32	Dug	0.72	9	22° 59' 44"	91°40'36"	Alluvium	Meghna
Chatakchari	TRST 40	Dug	0.8	37	23°04'04"	91°41'42"	Alluvium	Meghna
Gardhang	TRST11	Dug	0.74	10	23°17'50"	91°31'57"	Alluvium	Meghna
Gaurnagar Bazar	TRST 44	Dug	0.9	29	23°04'20"	91°38'17"	Alluvium	Meghna
Ghorakhappa	TRST 41	Dug	0.95		23°9'43.56"	91° 48' 18"	Alluvium	Meghna
Kalachhara	TRST10	Dug	0.9	6.67	23°08'27"	91°37'38"	Alluvium	Meghna
Kalirbazar	TRST 29	Dug	0.9	38	23°6'53.28"	91° 35'59"	Alluvium	Meghna
Kashari	TRST24	Dug	0.85		23°17'46"	91°23'17"	Alluvium	Meghna

Village	Well No	Well Type	MP (magl)	RL (amsl)	Latitude	Longitude	Geology	River Basin
Magroom	TRST 31	Dug	0.95		23°04'22"	91°46' 31"	Alluvium	Meghna
Manu Bazar	TRST 9	Dug	0.66	6.22	23°03'51"	91°38'55"	Alluvium	Meghna
Manurmukh	TRST03A	Dug	1	6.62	23°15'56"	91°29'17"	Alluvium	Meghna
Michara	TRST43	Dug	0.84	20	23°15'59"	91°30'46"	Alluvium	Meghna
Motu Mogpara	TRST 33	Dug	0.9	37	23°00'10"	91°39'06"	Alluvium	Meghna
Poangbari	TRST 37	Dug	0.92	15	23°01' 39"	91° 34' 12"	Alluvium	Meghna
Purba Takka	TRST 38	Dug	0.67	20	23°03'35"	91°36'41"	Alluvium	Meghna
Radhanagar	TRST15	Dug	0.88	42	23°13'32"	91°19'46"	Alluvium	Meghna
Rajib Nagar EW	TRST28	Tube		25	23°03'25"	91°39'24"	Alluvium	Meghna
Rajnagar	TRST14	Dug	1.35	32	23°13'56"	91°23'30"	Alluvium	Meghna
Rangamura	TRST25	Dug	0.9		23°15'47"	91°19'31"	Alluvium	Meghna
Sabroom	79M4C1	Dug	0.83	18.75	23°57'30"	91°43'30"	Sandstone	Meghna
Shashi-Chandrapur	TRST 34	Dug	0.87		22 58'23"	91°38'15"	Sandstone	Meghna
Srinagar	TRST 36	Dug	1.05	6	22°59'55"	91° 33'13"	Alluvium	Meghna
Tuichama Ew	TRST26	Tube	0.68	27	23°09'24"	91°39'42"	Sandstone	Meghna
Tuichama OW	TRST27	Tube	0.77	27	23°02'00"	91°41'13"	Sandstone	Meghna
Unakoti								
Chandramanikami	TRNT18	Dug	0.9	48	24°06'43"	92°11'54"	Alluvium	Meghna
Demdum	TRUK02	Dug	0.82	52.42	24° 7' 46.35"	91° 56' 42"	Alluvium	Meghna
Gauranagar N	TRNT11	Dug	0.79	34.1	24°19'30"	92°01'00"	Sandstone	Meghna
Jarutali	TRNT27	Dug	0.75	31	24°15'15"	91°59'09"	Alluvium	Meghna
Kanchanbari	TRUK01	Dug	0.83	29	24° 38' 57.25"	91° 35'0 1"	Alluvium	Meghna
Kanchanchhera	TRNT12	Dug	0.74	175	24°05'08"	92°00'09"	Alluvium	Meghna
Karaicherra	TRNT14	Dug	0.75	80	24°08'24"	92°09'05"	Alluvium	Meghna
Kumarghat	83D4A6	Dug	0.32	30	24°08'00"	92°03'00"	Sandstone	Meghna
Panchamnagar	TRNT17	Dug	0.85	23	24°06'43"	92°11'54"	Alluvium	Meghna
Pecharthal	83D4A7	Dug	0.68	-8	24°11'57"	92°06'21"	Alluvium	Meghna
West Tripura								
A D Nagar	TRWT 43	Dug	0.66		23°48'52"	91°16'03"	Alluvium	Meghna
Badharghat DTW	TRWT25	Tube	0.63	9.197	23°48'10"	91°16'16"	Alluvium	Meghna
Bodhjanagar Dtw	TRWT19	Tube	0.75	46.2	23°52'57"	91°21'55"	Alluvium	Meghna
Bodhjanagar Stw	TRWT20	Tube	0.95	45.8	23°52'58"	91°21'55"	Alluvium	Meghna
Gamcha kobra Market	TRWT44	Dug	0.58	28.7	23°54'13"	91°21'00"	Alluvium	Meghna
Ishanpur	TRWT31	Dug	0.80	52	24°02'43"	91°23'57"	Alluvium	Meghna
Khumulwng	TRWT42	Dug	0.79	33	23°49'06"	91°26'21"	Alluvium	Meghna
Madhuban	TRWT43	Dug	0.68	35.3	23°47'19"	91°17'09"	Alluvium	Meghna
Nagicherra1	TRWT29	Tube	0.55	25.87	23°48'13"	91°19'49"	Alluvium	Meghna
Nagicherra2	TRWT30	Tube	0.63	24.72	23°48'13"	91°19'48"	Alluvium	Meghna
Narsingharh DTW	TRWT28	Tube	0.70	12.8	23°54'15"	91°14'49"	Alluvium	Meghna
Pukua bari	TRWT45	Dug	0.62	58	24°00'42"	91°27'00"	Alluvium	Meghna
R.K Nagar	TRWT46	Dug	0.3	31	23°51'54"	91°20'07"	Alluvium	Meghna

Village	Well No	Well Type	MP (magl)	RL (amsl)	Latitude	Longitude	Geology	River Basin
Simna	78P4B1	Dug	0.79	23.77	24°05'32"	91°23'36"	Alluvium	Meghna
Subalsingh	TRWT32	Dug	0.64	56	24°00'17"	91°27'26"	Alluvium	Meghna
Tarapur	TRWT41	Dug	0.88	1	23°59'1.6	91°23'12	Alluvium	Meghna

Annexure-IA

**DETAILS OF GROUND WATER MONITORING WELLS IN GREATER
GUWAHATI AREA, KAMRUP(M) DISTRICT, ASSAM**

S.No	Dist	Location	Well No	Well Type	Latitude	Longitude	MP (magl)
1	Kamrup (M)	Amingaon	ASKMG1	Dug Well	26°13'00"	91°43'00"	0.90
2	Kamrup (M)	Ashwaktanta Temple	ASKMG2	Dug Well	26° 12' 45.72"	91° 44' 42.72"	1.00
3	Kamrup (M)	Avayapuri	ASKMG3	Dug Well	26° 12' 42.12"	91° 42' 28.08"	1.00
4	Kamrup (M)	Azara PHC	ASKMG4	Dug Well	26°07'00"	91°30'00"	0.80
5	Kamrup (M)	Bakarapara	ASKMG5	Dug Well	26° 06' 33.84"	91° 48' 34.56"	0.75
6	Kamrup (M)	Basitha FG	ASKMG6	Dug Well	26° 05' 50.28"	91° 48' 06.48"	0.90
7	Kamrup (M)	Boragaon	ASKMG7	Dug Well	26°05'00"	91°37'00"	0.70
8	Kamrup (M)	Chandrapur	ASKMG8	Dug Well	26°11'32"	91°56'30"	0.70
9	Kamrup (M)	Choonsali, Madhabpur	ASKMG9	Dug Well	26° 12' 04.10"	91° 48' 35.54"	0.60
10	Kamrup (M)	Dirgheshwari	ASKMG10	Dug Well	26°14'18"	91°44'34"	0.70
11	Kamrup (M)	Dte of Agri	ASKMG11	Dug Well	26° 07' 49.80"	91° 49' 26.76"	0.90
12	Kamrup (M)	GaneshMandir,Narengi	ASKMG12	Dug Well	26°10'29"	91°49'47"	0.80
13	Kamrup (M)	Garigaon	ASKMG13	Dug Well	26°9'16"	91°38'54"	0.70
14	Kamrup (M)	GMC	ASKMG14	Dug Well	26° 09' 38.5"	91° 46' 03.6"	0.90
15	Kamrup (M)	Hengrabari FG	ASKMG15	Dug Well	26° 09' 14.76"	91° 48' 37.80"	0.70
16	Kamrup (M)	kacharibastiChristian	ASKMG16	Dug Well	26° 09' 22.68"	91° 47' 07.08"	0.80
17	Kamrup (M)	AAU, Khanapara	ASKMG17	Dug Well	26°07'15"	91°49'05"	0.70
18	Kamrup (M)	Kahilipara	ASKMG18	Dug Well	26°08'00"	91°46'00"	0.80
19	Kamrup (M)	Khanapara Sc. Museum	ASKMG19	Dug Well	26°7'14.9"	91°48'54"	0.90
20	Kamrup (M)	Krishna Nagar	ASKMG20	Dug Well	26°10'28"	91°48'05"	0.70
21	Kamrup (M)	Lachitpur	ASKMG21	Dug Well	26° 11' 11.76"	91° 38' 56.76"	0.80
22	Kamrup (M)	Lakhra Chariali	ASKMG22	Dug Well	26° 06' 26.28"	91° 45' 14.04"	0.90
23	Kamrup (M)	Lakshmi Mandir	ASKMG23	Dug Well	26° 07' 17.40"	91° 48' 33.48"	0.80
24	Kamrup (M)	Lalganesh Chariali	ASKMG24	Dug Well	26° 08' 24.00"	91° 44' 35.88"	0.90
25	Kamrup (M)	Lalmati New	ASKMG25	Dug Well	26° 06' 32.76"	91° 47' 22.56"	0.50
26	Kamrup (M)	Mairapatti	ASKMG26	Dug Well	26° 11' 07.80"	91° 41' 51.00"	0.90
27	Kamrup (M)	Maligaon	ASKMG27	Dug Well	26°07'40"	91°37'40"	0.80
28	Kamrup (M)	Narangi	ASKMG28	Dug Well	26°10'41"	91°49'25"	0.90
29	Kamrup (M)	Paltan bazar	ASKMG29	Dug Well	26°10'42"	91°45'23"	0.70
30	Kamrup (M)	Panikhaiti	ASKMG30	Dug Well	26°11'30"	91°53'00"	0.70
31	Kamrup (M)	Panjabari	ASKMG31	Dug Well	26° 08' 20.76"	91° 51' 00.72"	0.70

S.No	Dist	Location	Well No	Well Type	Latitude	Longitude	MP (magl)
32	Kamrup (M)	Patgaon	ASKMG32	Dug Well	26° 05' 52.80"	91° 36' 06.48"	0.65
33	Kamrup (M)	Patharquery	ASKMG33	Dug Well	26° 09' 57.96"	91° 49' 59.16"	0.70
34	Kamrup (M)	Sijubari	ASKMG34	Dug Well	26°7'52"	91°46'28"	0.80
35	Kamrup (M)	Survey Odalbakra	ASKMG35	Dug Well	26° 07' 35.40"	91° 44' 24.72"	0.50
36	Kamrup (M)	Udaipur	ASKMG36	Dug Well	26°09'43"	91°43'16"	0.60
37	Kamrup (M)	Vishwakarma Temple	ASKMG37	Dug Well	26° 09' 56.52"	91° 42' 56.16"	0.80
38	Kamrup (M)	Wireless	ASKMG38	Dug Well	26° 08' 12.84"	91° 47' 57.12"	0.60
39	Kamrup (M)	Zoo Narengi Road HS	ASKMG39	Dug Well	26°10'30"	91°47'10"	0.90
40	Kamrup (M)	Odalbakra	ASKMG40	Dug Well	26°08'36"	91°45'11"	0.60
41	Kamrup (M)	Gurdwara, Beltola	ASKMG41	Tube well	91°48'16"	26°06'46"	0.10
42	Kamrup (M)	West Krishna Nagar	ASKMG42	Tube well	91°44'49"	26° 08'33"	0.50
43	Kamrup (M)	Udaipur	ASKMG43	Tube well	26°09'42"	91°43'15"	0.90
44	Kamrup (M)	Adagudam	ASKMG44	Tube well	26°8'12.9"	91°44'26"	0.50
45	Kamrup (M)	Panbazar Circuit House	ASKMG45	Tube well	26°11'31"	91°45'06"	0.40
46	Kamrup (M)	AAU, Kahikutchi	ASKMG46	Tube well	91°36'33.8"	26°06'22.7"	1.00
47	Kamrup (M)	AAU, Khanapara	ASKMG47	Tube well	26° 7'43.5"	91° 49'17.1"	1.00

Annexure – II

Depth to Water level in Ground Water Monitoring Wells (in meter below ground level)

State/District/Location	Well No	MP (magl)	Mar-19	Aug-19	Nov-19	Jan-20
			(Depth to WL in mbgl)			
Arunachal Pradesh						
Changlang						
Jairampur	92A4A1	1.10		1.05	2.45	4.50
Namchik	92A3A1	1.20		2.62	3.52	4.36
Namphai	92A3A2	0.70		1.83	2.10	2.44
Newlisan Kharsang	92A2A1	0.67		4.83	5.14	5.50
Pasighat New	ARES02A	0.29	7.46	3.51	7.43	9.94
Ruksin	ARES11	0.95	1.37	0.62	1.4	2.28
Sika Baman Todee	ARES14	0.91	1.43	0.30	1.33	2.29
Lohit						
Adi Ningroo 1 OW	ARLO02	0.60	4.02	2.95	1.90	3.90
Adi Ningroo 2 OW	ARLO03	0.60	4.03			
Lathow	83M2D1	0.86	4.82	3.13	4.20	4.10
Medo	ARLO05	0.22				2.68
Namsai OW	ARLO01	0.70	3.10	1.48	0.60	1.45
Wingko OW	ARLO04	0.55	1.89	1.15	0.55	1.74
Lower Dibang valley						
Kangklong	ARLDV01	0.65				11.20
Lower Subansiri						
Bomte	ARLSO3	1.27	1.23	0.72	1.12	1.39
Rajgarh	ARLSO2	0.83	2.25	1.02	1.44	5.02
Papumpare						
Banderedewa I	ARPP04	0.57	12.69	10.85	10.40	12.03
Chimpu	ARPP13	0.38	1.64	2.17	2.43	3.34
Doimukh	83E4D5	0.74	0.94	0.51	0.84	0.94
Itanagar I	ARPP10	0.80	1.32	2.10	2.37	3.10
Itanagar II	ARPP11	1.50				
Kimin	83E3D2	0.95	1.14	1.05	1.16	1.20
Naharlagun I	ARPP08	0.55				
Naharlagun II	ARPP09	0.91				
Nirjuli Vill IIA	ARPP06	0.80	0.69	0.27	-0.25	0.14
Nirjuli Vill IIB	ARPP07	1.02	-0.21	-0.34	0.38	0.46
Sonajuli	83E4C1	0.62	3.04	1.53	2.06	2.40
Tirap						
Borduria	83M4B3	0.98	3.38	3.38	4.56	5.20
Deomali	83M4C1	0.87	2.67	2.67	4.03	5.00
Hukanjuri	83M4B4	0.82	1.84	1.84	6.75	9.50

State/District/Location	Well No	MP (magl)	Mar-19	Aug-19	Nov-19	Jan-20
			(Depth to WL in mbgl)			
Assam						
Baksa						
Tamulpur	78N2C1	0.40	3.60	2.42	2.98	3.15
Barpeta						
Nityanada OW	ASBP18	0.70	4.12	2.57		
Patacharkuchi	ASBP16	1.00	2.99			
Sarupeta	78N3A6	0.76	3.50	3.33	3.05	4.00
Sorbhog	78J3D4	0.82	3.90		2.35	1.91
Daulasal	ASBP14	1.07	4.83	2.94	4.40	5.00
Daulasal OW	ASBP15	0.80		1.27	3.11	3.18
Biswanath						
Behali	ASSP33	0.86	5.37	1.64	2.36	3.57
Bihupukhuri	83F2A7	0.96	7.90	5.74	6.07	6.98
Biswanath Chariali	83F2A6	0.18	9.34	3.75	7.43	8.39
Biswanath Ghat	83F2A8	0.76	8.74	4.64	5.27	1.00
Borgang New	ASSP07	0.85	3.88	2.57		
Buroighat	ASSP 25	0.80	2.82	1.40	1.78	2.40
Gohpur New	ASSP23	0.82	1.57	1.00		1.20
Hawajan	83F1C4	0.88	2.54	1.12		
Helem	ASSP24	0.97	2.39	0.93	1.33	2.02
Kheroni	ASSP35	1.00	2.66	1.61	1.44	2.52
Kolabari	ASSP23	1.10	1.15	0.32	0.62	0.98
Bongaigaon						
Abhayapuri	78J3C2	1.04	4.10	2.56	3.65	
Baitamari	78J3C1	0.86	5.10	1.69	2.75	4.41
Bongaigaon New	78J3C9	0.83	2.80	1.79	2.20	2.67
Chalantapara	78J3C4	1.10	3.79	6.05		
Chapprakata	78J3C7	0.90	1.66			
Chapprakata (Dankinamari)	ASBN10	1.00	2.12	2.23		2.65
Majgaon	ASBN11	0.90	4.12			
Manikpur	78J3D1	1.00	3.16	1.90	2.24	3.50
Medhipara(Deo)	78J3C6	0.44		2.38	3.36	4.12
North salmara	78J3C8	0.65	5.00	4.05	5.44	5.38
Cachar						
Atalbasti	ASCR35	0.86	5.76	5.33	3.95	4.27
Badribasti	83D1D7	0.92	3.74	3.31	1.28	2.92
Borjalinga	83D2D1	1.00	0.32	0.18	0.14	0.07
Borkhola	83D1C8	0.65	1.78	1.23	0.84	0.96
Dargakuna	ASCR25	0.73	0.88	0.25	0.25	0.36

State/District/Location	Well No	MP (magl)	Mar-19	Aug-19	Nov-19	Jan-20
			(Depth to WL in mbgl)			
Digharkhal	83D1C3	0.85	7.02	3.11	3.04	4.99
Dwarbond	ASCR40	0.70	2.65	2.15	2.00	
Fulertol	ASCR37	0.70	2.90	2.03	0.57	
Kalain	83D1C14	0.60	3.38	2.03	1.98	2.92
Kathaltila	ASCR36	0.64	4.42	4.08	2.10	2.95
Katigora	ASCR27	0.85	2.51	1.62	1.78	1.84
Moinarbond	83D1D6	1.00	4.08	3.69		
Nagdirgram	ASCR39	0.65	1.69	0.54	0.84	1.17
Palanghat	83D2D10	1.00	1.47	0.39	0.46	0.81
Poilapul	83H1A9	0.85	1.60	1.26	0.95	1.05
Razabazar	83H1A7	0.75	3.31	2.35	2.81	3.11
Shivachal	ASCR28	0.75	3.46	2.98	1.51	2.85
Shivtila	83H1A4	0.85	6.21	5.55	1.67	4.54
Silcoorie	ASCR38	0.85	0.63	0.25		
Tarapur	ASCR32	1.15	0.27	0.09	0.02	0.21
Chirang						
Bijni	78J3C5	0.90	3.00			
Darrang						
Bhakatpara Ow	ASDR33	0.65				
Dalgaon	83B2A2	0.73	3.87	2.00	3.65	
Gelabil (Thelamara)	83B2B6	0.90	2.81	1.60	2.51	2.58
Majgaon-II	ASDR30	0.94		4.66	4.10	5.44
Mangaldoi	83B3A1	0.65		3.90	5.34	4.50
Mangaldoi II	83B3A3	0.83		2.01	3.85	
Thekerabari .1	83B2A1	0.91	4.90	3.36		
Dhemaji						
Bhagaban charali	83I2D2	1.05	9.69	6.68	8.79	9.50
Bijoypur	83M1A3	1.00	2.13	0.63	1.21	2.16
Bokabil Ow	ASDM24	0.80		1.75	2.15	2.93
Bordoloni	83I3B1	1.25				0.91
Chengali Pather Ow	ASDM23	0.76	2.29			1.85
Dhemaji	ASDM 23	1.21	0.92	0.43	0.61	1.38
Dipa	83I2D3	0.95	6.10	3.02	4.62	5.52
Gogamukh Hss Ow	ASDM25	0.76	3.41	1.39	1.77	2.78
Jonai murkongselek	83M1A1	0.80	1.85	0.76	1.48	2.06
Moridhal	ASDM27	0.97	2.53			2.55
Santipur	ASDM28	0.60	2.88			2.84
Siripani	83I2C3	0.78		0.70		
Sisibargaon	83I2C2	0.97	2.05	0.89	1.23	1.86

State/District/Location	Well No	MP (magl)	Mar-19	Aug-19	Nov-19	Jan-20
			(Depth to WL in mbgl)			
Telem	83M2A1	1.01	4.58	0.86	2.22	3.54
Dhubri						
Bagaribari	78J4A4	0.81	14.89	15.50	13.76	14.98
Bahalpur	78J3B4	1.00	4.54			
Bilasipara	78J4A1	0.85	3.30	2.22	3.60	3.78
Chapar	78J3B2	0.90	4.71	2.72	4.45	5.35
Dakhin Tokesara	ASDH16	1.36	4.13	1.23	3.73	4.50
Dhubri Town	78F4D4	1.00	3.96	1.08	2.90	3.15
Matiabag ow	ASDH19	0.73	5.80			
Panbari	78J4A2	0.86	17.39	16.84	18.32	19.00
Sharpamari Beat	ASDH13	0.91	16.81	13.84	15.36	16.20
Sonamukhi	ASDH14	0.35				
Dibrugarh						
AMC Campus	ASDB14	0.66	4.10	1.24	3.09	2.64
Azarguri gaon	83I3D4	0.64	3.84	2.88	3.23	3.66
Barbaruah	83I3D6	1.05	4.86	3.15	3.82	4.52
Chabua	83M3A2	0.93	5.42	2.57	3.07	4.31
Dikom	83M3A1	0.68	4.95	3.90	4.27	4.72
Domar Dolong Tw	ASDB12	1.00		1.06	1.67	2.10
Lepetkata	ASDB13	0.80				
East Karbi Anglong						
Bokulia	83G1C3	0.69	1.16	0.50	0.53	6.00
Dengaon	ASKA08	0.93	1.74	0.67	2.20	1.17
Dokmoka	ASEKA01	1.2	1.13	0.40	1.76	1
Langhing	ASKA32	0.84	3.36	1.76	3.15	3.16
Manikpur	83F4A6	0.87	1.11	0.83	1.98	1.33
Phuloni	83F4A2	0.94	5.60	1.16	2.12	1.96
Swarghati	ASKA31	0.63	2.87	1.17	2.59	2.87
Goalpara						
Agia1	78J4C3	0.95	5.45	2.12		3.80
Agia2	ASGP21	0.65	5.85	2.33	1.95	3.22
Baida	78J4B3	0.70	4.96	1.81	1.70	2.34
Bhalukdubi (Goalpara)	ASGP15	0.80	8.55	3.38	3.20	5.68
Damra	78K1D8	0.90	7.30	4.07	4.70	5.50
Dudhnai	78K1D1	0.75	3.10	1.59	1.55	2.11
Dudhnoi II	ASGP17	0.75	4.99	2.79	3.45	4.53
Dwarka	ASGP19	0.90	4.35	1.56	0.70	1.05
Krishnai New	ASGP14	0.80	5.43	2.34	2.00	2.25
Pattarpara	ASGP22	0.70	3.78	1.20	1.50	2.00

State/District/Location	Well No	MP (magl)	Mar-19	Aug-19	Nov-19	Jan-20
			(Depth to WL in mbgl)			
Rongjuli	78K1D2	0.30	3.89	1.16	1.95	2.80
Salpara	ASGP16	0.70	3.98	2.18	3.10	3.90
Sarapara	ASGP23	0.85	3.76	1.97	2.25	3.90
Teuli	ASGP20	0.60	Dry	3.68	3.05	2.21
Golaghat						
Bokakhat1	ASGL12	0.70	3.86	3.86	2.6	3.38
Butalikua	ASGL16	0.95		1.81	1.81	
Gandhibari Namghar	ASGL10	0.82		0.58		
Garampani	ASGL15	0.75		5.07	1.87	4.56
Garigaon	ASGL17	1.00		1.12	1.08	2.67
Haldibari Buri Ai	ASGL13	0.40	4.66	1.34	3.3	3.70
Kohra kaziranga	83F2B1	1.10		6.95		8.33
Oating	83J3A1	0.75	5.51	3.50	3.06	3.74
Hailakandi						
Burakhai	ASHL08	0.80	1.18	0.88	0.21	0.16
Katlicherra N	ASHL02A	0.20	0.92	0.32	0.64	0.69
Lakhinagar	ASHL09	0.85	3.37	2.87	1.51	1.61
Lala	ASHL10	0.62	3.67	3.14	2.73	3.11
Panchgram New	ASHL05A	0.90	8.93	5.95	1.39	1.53
Syedband Part II	ASHL01A	0.90	1.17	0.43	0.39	0.69
Monacherra OW	83D2C3	0.89	2.33	1.90	1.31	1.65
Hojai						
Lanka	83C1D1	0.72	6.80	4.19	4.78	4.70
Lumding	83G1A1	0.70	11.23	2.90	2.45	6.18
Tirchang	ASNG47	0.85				2.65
Zebra Khua	ASNG33	0.85		1.90	0.32	4.80
Jorhat						
Bijay Nagar	ASJR33	0.41		0.84	0.74	0.80
Cinemora	ASJR18	0.53	1.58	1.49	1.60	1.88
Dabarapara charali	83J2B3	0.85	2.03	0.32	1.05	1.53
Gatisunga	ASJR37	1.35		0.43	1.07	1.51
Kamarbandha	ASJR34	1.25		0.43	0.80	1.65
Kokilamukh	83J1A3	0.51		1.79	1.19	1.72
Kunwari Pukhuri	ASJR35	0.55	2.26	1.65	0.84	1.57
Lichubari	ASJR21	0.92	0.30	1.26	-0.01	0.11
Meleng Kaparadharia	ASJR28	0.75	1.39	0.48	0.67	1.29
Sodial Kacharigaon	ASJR22	1.08		0.44	0.42	1.11
Titabor	83J2A7	0.35		1.45	1.58	1.65
Kamrup						

State/District/Location	Well No	MP (magl)	Mar-19	Aug-19	Nov-19	Jan-20
			(Depth to WL in mbgl)			
Abhaipur	ASKM44	0.90		1.10		1.99
Agyathuri	78N4C2	0.85		2.10	3.40	Dry
Alikash Adarsh	78N4C16	1.05	5.30			
Bamunigaon I	78N4B3	0.70		1.54	1.30	2.31
Bokol	ASKM39	0.75	8.65	1.16	3.85	4.09
Chandrapur	78N4D9	0.87				2.36
Chhaygaon	ASKM41	0.90		2.69	2.80	4.25
Darkuchi	78N2C4	0.72	4.20	3.65	4.38	4.82
Dhobartari	ASKM45	0.81		1.96		
Dora Kahara	ASKM47	0.62	5.32	2.90	5.00	5.40
Hajo	78N4C5	0.82	2.00	1.14	1.04	1.87
Kahara	78N3C2	0.90				
Mirza	ASKM42	0.80	6.89	3.32	3.60	5.32
Rajapara	78O1A3	0.80	3.87	0.55	1.11	1.55
Rangia new	ASKM31	0.42	4.10	3.46	3.04	
Sualkuchi	78N4C11	0.87	1.90	2.70		2.29
Tarani	ASKM48	0.85				3.68
Rani	ASKM32	0.90	3.50	1.09	1.30	1.94
Rani II	ASKM43	0.85	3.72	1.19	1.75	2.14
Kamrup Metro						
Amingaon	ASKM46	0.80	3.36	3.72		3.58
Azara	78N4C1	1.18		1.04		4.61
Bamfor	ASKM50	0.96		1.30		
Boragaon	78N4C7	0.90		1.7		1.92
Dirgheswari	78N4C12	0.93		1.6		2.63
Kahilipara	78N4D7	0.75				
Khanapara	78N4D3	0.75				2.94
Khetri II	ASKM51	0.92	4.20	0.78	2.34	1.28
Maligaon	78N4C6	0.87				0.69
Paltan bazar	78N4C14	0.84				0.44
Panikhaiti	78N4D4	0.66				5.44
Samanta Pathar	ASKM36A	0.92	2.47	1.19	1.87	1.46
Sonapur	83B4A2	0.85	2.42	0.68	2.37	1.65
Sonapur II	ASKM52	1.00	4.05	0.63	0.98	2.51
Topatoli	83B4A4	0.98	2.52	0.72		1.10
Topatoli New	ASKM35A	0.50	2.80	1.30	1.75	1.90
Zoo Narengi rd	78N4D2	1.04				
Karbi Anglong						
Adaraka Tiniali	ASKA44	0.87	2.69	2.41		2.21

State/District/Location	Well No	MP (magl)	Mar-19	Aug-19	Nov-19	Jan-20
			(Depth to WL in mbgl)			
Amlokhi	ASKA53	1.35	1.10	0.50	0.42	0.67
Balipathar	83F4D3	0.90	3.96	1.02	1.85	2.37
Bokajan I	ASKA41	0.75	11.24	11.13	6.96	8.97
Bokajan II	ASKA42	0.60	4.20	4.44	2.94	3.74
Bokoliaghat	ASKA34	1.00	3.50	2.12	2.21	2.70
Deopani	83F4D4	1.05	11.61	3.19	3.93	8.88
Dillai	83G1C4	0.69	3.89	1.41	2.12	1.71
Diphu	83G1B1	0.79		>30		19.17
Diphu (lumding Road)	ASKA58	0.69				20.06
Diphu(matibung Road)	ASKA57	1.17		1.98	2.16	2.95
Dishobai	ASKA35	0.67		2.23	1.88	1.93
Ghouria Dhubi	ASKA43	0.80	3.49	2.68	2.28	3.00
Hidipi	83F4C1	0.80	3.75	1.78	2.06	3.51
Khatkhati	83G1D3	0.79	5.66	8.29		2.25
Khatkhati (Matipul Namgarh)	ASKA50	0.54		4.96	2.20	
Kheronighat	*****					
Lahorijan	ASKA51	0.75		5.15	6.34	
Lakhijan	ASKA52	0.99	4.79	4.16	3.16	4.14
Manja Bus Stand	ASKA39	0.20	4.09	1.50	1.99	7.1
Mohendijua	ASKA38	1.00	11.90	1.71	3.32	4.83
Phonglangso	ASKA36	0.92	7.78	3.15	3.71	5.30
Saphapani	ASKA45	0.89	4.43	1.96	3.23	3.66
Silanijan	83F3D1	0.80	6.33	5.22	5.37	5.45
Terangaon	ASKA37	1.00	2.41	1.55	1.59	2.27
Karimganj						
Badarpur	83D1C1	0.65	2.01	0.78	0.93	0.97
Dhaulia	83D2B6	0.60	0.29	0.04	0.10	0.04
Hatikira	83D3B1	0.66	1.48	0.81	0.98	1.55
Kalinagar	ASKG12	0.78	1.26	0.96	0.51	0.72
Karimganj	ASKG15	0.90	0.89	0.12	0.38	0.42
Kayasthagram	ASKG16	0.92	1.15	0.66	0.55	0.67
Patharkandi	ASKG17	0.99	1.23	0.79	0.59	1.08
Rk Nagar I	83D2B4	0.90	2.65	1.95	3.06	3.51
Sarkaribari	83D2B7	0.85	0.85	0.34	0.39	0.63
Kokrajhar						
Balajan	ASDH15	0.83	3.80	2.82		
Rupshi	78F4D3	0.90	5.25	1.81		6.22
Lakhimpur						
Amguri	ASLK23	1.00	4.72	2.96	3.29	4.20

State/District/Location	Well No	MP (magl)	Mar-19	Aug-19	Nov-19	Jan-20
			(Depth to WL in mbgl)			
Basudeoathan	83I3B8	1.05	4.41			
Bhogpur charali	83E4D1	0.82	1.59	1.42	1.33	1.72
Bihpuria	83E4D4	0.87	3.16			2.56
Borbil Tariyani	ASLK29	0.82	2.01	0.43	1.57	1.85
Dejoo	ASLK24	1.03	2.21	1.02	1.27	1.80
Dolanghat chara	83I4A3	0.46	1.84	0.91	1.12	1.26
Harmoti	83E4D6	1.00	3.04	2.17	2.44	2.93
Islampur	83E4D3	0.90	4.90	3.10	3.45	4.32
Kadam	83I3A3	0.75	1.63	0.47	1.00	1.20
Koilamari 6 No Line	ASLK31	0.95	5.71	3.29	3.97	4.94
Laluk	83E4D2	1.12	1.78	0.92	1.08	1.38
Madhupur	ASLK22	0.90	0.66	0.59	0.58	0.59
Milanpur	ASLK26	0.80	3.23	1.01	1.29	2.35
Moridirgha	ASLK30	1.47	2.03	0.17	0.17	1.13
N. Lakhipur (Old)	83I4A1	1.12	2.10	0.63	1.67	2.08
Narayanpur	83F1D4	1.14	3.38	1.06	1.55	2.84
Panigaon	83I4A2	0.90	3.35	1.70	1.76	2.18
Pathalipam	83I3B6	0.99	3.44	2.00	1.46	3.12
Pathalipam II	ASLK25	0.96		3.42	3.57	4.91
Morigaon						
Baghara	83B4B2	0.92	4.90	0.88	2.20	2.48
Baropujia	ASMR14	0.98		0.52	2.89	1.52
Barukati	ASMR27	0.44		2.17	3.02	2.83
Basanaghat	ASMR19	0.80	4.79	1.45	2.18	2.65
Charibahi Ow	ASMR22	0.55		1.35	2.38	
Daponibari N	ASMR30	0.76	4.78	0.84		2.74
Deosal	ASMR12	0.94	4.55	2.96	3.04	2.96
Garmari gaon	83B3A4	1.00		2.60	1.94	3.70
Jagiroad	83B4A1	0.62	4.70	1.88	3.05	2.98
Kumoi	ASMR15	1.13	6.33	1.15	1.53	0.75
Nasatra	83B4A5	1.00	3.00	2.00	1.80	2.70
Nelle New	ASMR11	0.84	7.10	2.60	4.78	5.30
Pamibahua	ASMR16	0.92		1.88	1.94	3.64
Silsang Namghar	ASMR13	0.94	3.60	0.16	1.98	0.86
Miarabari New	83B3B3	0.90	6.80	2.80	5.12	4.40
Solmari Ow	ASMR21	0.72		3.08	4.10	5.63
Nagaon						
Amsoi	83B4B5	0.77	3.40	0.73	1.80	2.63
Balijuri Ow	ASNG42	0.80	5.14	2.60	5.20	

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			(Depth to WL in mbgl)			
Bamuni	ASNG50	0.90		0.74		0.90
Bamuni tinali	83B3D9	1.41		0.34	1.49	0.49
Beldonga mandir	83B4D8	0.84	4.23	1.65		2.65
Bichamari	83B3B1	0.87	3.60	1.30		1.83
Bordowa	83B3C2	1.01	3.10	0.82	2.28	1.42
Dakhinpath OW	ASNG44	0.72	5.20	2.98	4.20	4.16
Dalapani	ASNG39	0.90	5.80	1.32	3.84	4.10
Dhing	83B3B6	0.49	5.23	1.91	3.02	3.11
Doboka	83B4D1	0.80		2.40	3.45	3.20
Ghasibasti Ow	ASNG46	0.40		1.25		
Gomotha	ASNG34	0.85		0.57	2.35	1.62
Haldiati sub bt	83B4D6	0.89		1.51	2.83	2.21
Hatenibatha	ASNG35	0.68		1.12	2.15	3.34
Jurapukhuri	83C1D7	0.84	7.10	4.01	5.30	4.54
Kathiatoli	83B4C4	0.94	2.43	0.27	1.54	0.89
Kazirang Tourist Vil	ASNG27	0.60	9.49	5.15	6.10	
Kondali	83B3D5	0.99		1.81	1.81	1.71
Langteng TE	83F3A2	0.85	4.57	1.95		
Nadeorigaon	83B4D2	0.83	4.15	0.37		0.47
Naltali	ASNG37	0.66	4.13	1.54	2.75	2.64
Pahukata	ASNG36	0.91		0.97		3.35
Phulaguri	ASNG48	0.98	3.15	0.80	1.10	1
Phulaguri R6	83F2A5	0.37	4.17	5.53	1.80	4.47
Rangamati Ow	ASNG45	0.80		4.95	6.30	
Silghat	83B2D6	0.96	7.90	0.84	2.62	5.04
Sulung p.o.	83B3D8	0.74	5.53	1.16	3.48	4.63
Telia bebejia	83B3C7	0.50		1.65		2.92
Nalbari						
Dumnibazar	78N2B2	0.57	2.58			
Tihu	78N3B3	0.93	1.52	1.55	2.23	2.40
Sibsagar						
Bandarmari	83I4C14	0.87		0.70	0.68	1.90
Borkula	ASS102	0.82	7.80	6.95		
Demow Sukan	83I4C11	0.70	3.86	2.31	1.79	4.82
Garbhaga OW	ASS101	0.85	1.75	1.72		
Santak	ASSA04	1.00				
Sapekhati	83M4A1	1.00		1.10	2.40	2.30
Sibsagar	83J1C2	0.73	0.60	1.41	0.34	0.39
Sonitpur						

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18th Mile	ASSP29	1.00	2.68	1.53	1.66	2.22
Balipara	83B1D4	0.90	1.94	1.40	1.49	1.72
Barchola	83B2B5	0.83	2.93	1.38	1.40	2.06
Charduar	83B1D1	0.72	3.38	2.43	2.66	3.18
Dhekiajuli	83B2B2	0.85	4.07	2.55	2.70	3.43
Garumari	83B1D2	0.88	3.25	1.52	1.06	2.00
Na Pam	ASSP31	1.00	2.14	1.10		
Tezpur	83B2D2	0.91	7.19	5.29	5.19	6.67
Thelamara	ASSP30	0.54	3.58	1.56	1.35	2.74
Tolakbari Ow	ASSP34	0.72	3.83	3.22	2.91	3.63
Tupia	ASSP28	0.74	5.43	3.46	3.91	4.74
Tinsukia						
Borgolai	83M3C2	0.75		0.93	3.30	3.70
Digboi	83M3C1	0.78	0.41	0.92	1.44	1.12
Jagun	83M3D4	0.90	3.30	1.08	1.76	2.80
Jaipur naharjan	83M4B5	0.50		1.03	1.16	1.50
Kumsang Selenguri	ASTS22	0.56	4.67	0.57	2.38	3.44
Lekhapani	83M3D1	0.49	4.68	2.88	3.87	4.51
Panitola	83M3B4	0.62	2.08	1.14	1.36	3.00
Tinsukia	83M3B2	0.75	4.78	2.58	3.36	4.10
Tipong	ASTS20	0.92	5.43	3.93	5.48	4.98
Tirap gate	83M3D2	0.80	5.93	3.70	3.34	5.48
Udalguri						
Goroibari	ASDR31	0.46		1.33	2.51	
Bengbari	78N2D10	1.00		3.08	4.68	5.15
Bhalukmari	83B2A7	0.82	3.38	2.48	4.50	5.04
Hatitopagaon	83B1B1	0.76	4.03	3.14	4.30	4.80
Kalaigaon	78N2D3	0.77		1.19	2.15	2.36
Madhupur	83B2A6	0.75	3.50	2.75		
Orang	83B2B1	1.20	0.14	0.81		
Paneri	78N2D9	0.95		3.25	3.31	4.11
Rowta chariali	83B2A3	0.82	2.95	2.60	3.15	3.42
Tangla/Tokken Katta	78N2D2	0.80		1.80	3.13	
Udalguri	83B2A4	0.84		1.60	3.00	3.44
West Karbi Anglong						
Kheronighat	83C1D3	0.88	14.70	9.12	9.30	9.22
Boithalansu	83C1C2	0.97	5.00	3.23	2.76	4.13
Donkamokam	83C1C1	0.95	1.20	0.60	2.12	0.70
Kalonga	83C1D2	0.77	6.16	4.13	4.78	4.33

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Meghalaya						
East Garo Hills						
Baiza Rongreng	MLEG15	0.75	4.65	2.63	2.85	6.45
Darugiri	78K2D2	0.77	3.87	2.41	1.23	2.96
Dobetkolgiri	MEEG12	0.30		0.76	0.80	1.07
Dobu	MLEG13	0.60	3.43	2.14	3.00	3.00
Narringirri	MLEG14	0.85	4.34	0.81	1.20	1.72
Rongjeng	78K2D1	0.84	6.38	2.80	4.90	5.16
Rongmil	78K2D3	0.78	4.63	2.84	2.80	3.22
Samanda Megapagre	MLEG16	1.00	4.55	2.63	2.60	2.80
Songsak	MLEG17	0.85	3.53	1.49	1.15	2.27
Williamnagar	78K2C2	0.90	3.54	1.16	1.70	2.95
East Jaintia Hills						
Powergrid Khlieriat	MLEJ01	0.60	43.95	9.51	39.89	43.93
East Khasi Hills						
Dhankheti	MLEK08	0.86	1.92	1.44	1.78	
Cherrapunji	78O3C1	0.20	1.48	0.20	0.15	0.87
Dangar	MLEK14	0.80	2.34	1.00	1.32	1.96
Ichamati	MLEK15	0.90	1.05	0.60	0.65	0.83
Lachuamiere	MLEK09	0.80	0.94	0.05	0.50	0.79
Laitkor	MLEKHOW2	0.70				
Lapalang OW	MLEKHOW5	0.42	7.61	5.53	5.84	5.96
Mawpat	MLEK11	0.54	9.09	5.35	8.55	2.88
Nit Cherrapunji	MLEKHOW3	0.50	5.42	5.11	4.72	5.41
Nongmynsong	MLEK12	0.52	2.71	0.90	2.32	2.58
Shillong Golf Link	MLEK07	0.75	dry	1.45	2.59	4.50
North Garo Hills						
Bajengdoba	78K1C2	0.97	4.34	2.53	2.80	2.88
Dainadubi	MLEG11	0.80	5.75	2.38	2.60	2.42
Kharkutta	78K1D7	0.93		2.25	1.80	2.30
Mendal	78K1B1	0.80	4.01	1.49	1.80	2.19
Mendipathar	78K1C1	0.72		1.61	3.08	5.38
Ri-Bhoi						
Byrnihat	MLRB02A	0.45	3.19	1.57	1.81	2.62
Lumkeni	MLRBOW7	0.60	5.78	5.12	4.86	5.36
Nayabunglow	MLRB04	0.94	5.60	3.66	3.63	4.71
Nongladew	MLRBOW02	0.77	2.26	1.88	1.94	2.14
Nongpoh	78O1D1	0.95	4.46	2.75	2.45	3.88
Pahanmawlier	MLRB06	0.80	0.56	0.60	1.05	0.83

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Patharkhamma Barigaon	MLRB9	0.90	5.73	2.60	3.25	4.21
Purduwa OW	MLRBOW4	0.67	3.83	2.93	2.79	3.59
Rpbf Kyrdemkulai OW	MLRBOW9	0.60	31.53	38.64	31.78	29.63
Sohpdok OW	MLRBOW5	0.70	7.29	3.40	2.95	3.43
Tamanpahlong	MLRB	0.75	2.29	1.30	2.03	2.04
Tdohumshaiw	MLRBOW6	0.65	31.91	27.88	25.99	29.06
Umling	MLRBOW3	0.67				
Umroi Maidan	MLRB8	1.75	2.25	1.75	1.92	2.36
Umsaw	MLRBOW1	0.57	4.09	2.97	3.52	
South West Garo Hills						
Ampati	78G3D1	1.50	3.70	0.89	1.25	2.16
Betasing II	ASWG25	0.70	3.34	1.76	2.10	2.85
Garobandha	78K2A1	0.89	6.45	3.53	3.50	3.35
Mahendraganj	78G3D2	1.00		2.53	1.70	2.54
Zikzak	78G3D5	1.05	5.53	5.26	2.55	3.17
West Garo Hills						
Asanang	78K2B1	0.77	5.01	3.76	3.80	4.08
Baljek	ASWG17	0.70	DRY	0.93	1.00	2.75
Belguri	ASWG21	0.70	8.35	6.39	6.80	7.55
Dalu	MLWG25	1.00	5.66	3.02	3.40	4.45
Damjongre	MLWG21	0.80	4.56	2.22	2.80	3.75
Nidanpur	78K1A3	1.00	4.34	1.38	1.60	2.17
Phulbari	78K1A1	0.95	4.01	2.13	2.40	2.52
Phutamati	ASWG20	0.60	4.30	2.50	2.70	3.13
Purkhasia	78K3A1	0.78	4.67	2.51	2.80	4.45
Rajabala	ASWG26	0.72		4.05	4.90	5.66
Rongram	ASWG18	0.90	4.55	3.18	3.90	2.92
Salsella	MLWG22	0.85		1.33	1.20	2.01
Snalgre	MLWG23	0.72	3.12	1.54	1.48	1.53
Tikrikilla	78K1A2	0.87	5.67	2.25	2.25	2.73
West Jaintia Hills						
Dauki	83C4A1	0.70	0.85	0.40	0.90	0.93
Jowai	83C3A1	0.83	0.51	0.28	0.22	0.52
DIET Thadlaskein	MLWJ01	0.62	12.96	11.03	9.74	11.63
West Khasi Hills						
Mairang	78O2C1	0.30			9.74	
Mairang N	MLWK02	0.40	0.80	0.50	0.40	0.99
Nagaland						
Dimapur						

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Chumkidima Forest office	83G1D1	0.85		0.98	4.59	5.17
Maibiram	NLDM13	0.70		1.04	2.56	2.62
Diphupar	NLDM22	0.85	4.78	1.87	1.32	1.39
Zakesatho Colony	NLDM23	0.85	1.15	2.12	2.52	3.01
Singrijan	83G1C6	0.66	4.97	2.30	6.6	2.43
Marwari Colony	83G1C9	0.76		2.80	5.02	5.61
7th Mile Colony	NLDM21	0.70	11.62	2.95	5.26	2.23
Seirujha Colony Chumukedi	83G9GM11	0.61		2.95	1.95	7.12
Doyapur DMC	NLDM12	0.63		3.95	4.38	4.46
Bade Bazar	NLDM25	0.80		3.96	0.41	0.47
3 Mile Bazar	NLDM19	0.90		4.13		
Thilaxu Block-II	NLDM16	0.61	11.24	6.83	9.95	10.40
Rilayan Colony	NLDM24	1.19		9.12		
TRIPURA						
Dhalai						
Abhanga N	TRDL04	0.77	4.54	0.90	3.03	4.28
Ambassa N	TRDL06	0.92	7.33	5.58	6.38	7.00
Chawmanu	TRDL13	0.82	1.29	1.10	1.31	1.31
Darlang Basti	TRDL02	0.90	3.63	0.94	4.90	3.70
Durga Cherra	TRDL09	0.98	1.97	1.66	1.88	1.96
Durga Chowmuhani	TRDL01	0.80	3.77	2.76	3.60	4.67
J.M. Complex, Chailengta	TRDL12	1.30	1.50	-0.30	0.16	0.55
Kali Kumar Para	TRDL10	0.78	2.99			2.90
Kamalpur	78P4D1	0.66	2.02	1.73	1.90	1.84
Kulai	TRDL08	0.76	3.93	1.44	2.87	3.31
Lalchari	TRDL03	0.92	7.08	4.27	4.98	6.00
Manu N	TRDL05	0.95	4.97	3.85	4.55	5.08
Nuna Cherra	TRDL11	0.83	1.77	1.03	1.02	1.11
Sindhu Kumar	TRDL07	0.90	2.80	1.90	2.98	3.53
Gomati						
Amarpur	TRST05	0.89	1.72	1.51	1.76	2.17
Bampur	TRST 06	0.96	1.54	3.19	3.64	3.94
Dewanbari	TRGM04	0.78	3.32	2.67	3.02	3.72
Dhawajnaragar Udaipur	79M2B8	1.36	3.31	3.38	3.18	3.87
Garjee Bazar	79M3B4	0.80	2.57	0.50	1.10	1.70
Jatanbari	TRGM01	0.77	2.65	2.72	3.88	5.38
Joingkami	TRGM03	0.96		0.44	0.44	0.60
Kankraban	TRST12	0.87	9.76	8.97	9.18	10.13
Naobari-2	TRGM02	1.00	2.19	1.83	1.30	1.70

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Twidu	TRGM06	0.90				
Khowai						
45miles	TRKH01	0.70	4.97	2.23	2.70	4.77
Chakmaghat Ew	TRWT02	0.75	3.11	2.56	2.95	3.02
Chakmaghat Ow	TRWT03	0.75	2.75	2.72	3.05	3.15
Kalyanpur	79M1C2	0.92	4.34	3.71	3.93	4.11
Kathalbari	TRKH05	0.94				
Khowai	78P4C5	0.72	1.88	1.48	1.93	1.98
Paschim Howaibari	TRWT34	0.70	3.90	2.00	3.10	2.68
Totabari EW	TRKH02	0.78	15.22	14.36	14.72	14.92
Tuimadhu	TRWT37	0.96	4.46	2.48	4.19	4.14
North Tripura						
Ananda Bazar	TRNT29	0.75	2.69	1.44	1.58	1.93
Bagbasa N	TRNT10	0.95	1.23	0.42	1.05	1.20
Churaibari	TRNT23	0.96	2.40	1.39	2.74	0.02
Dataram	TRNT30	0.78	3.72	0.98	2.55	4.02
Deocherra	TRNT25	0.88	5.56	3.99	4.29	4.88
Dharmanagar	83D3B2	1.47	4.39	3.93	4.23	4.46
Kanchanpur	84A1A1	0.50	1.72	0.45	1.22	1.66
Kanchanpur Court Ow	TRNT01	0.84	5.05	4.15	4.42	4.88
Khedacherra	TRNT28	0.79	1.81	1.10	1.44	1.39
Krishnapur	TRNT19	1.35	2.57	0.85	1.02	2.78
Kunjanagar	TRNT21	1.07	3.48	3.83	3.12	3.25
Lalchhara	TRNT22	0.90	1.76	1.05	2.08	2.58
Laljuri	TRNT15	0.87	6.68	5.94	6.53	6.70
Naba Joypara (natun Basti)	TRNT20	0.78	4.64	1.95	2.60	3.60
Narendra Nagar	TRNT26	0.86	3.81	2.61	3.27	3.43
Panisagar	83D4A1	0.78	4.02	1.79	2.42	2.94
Rajnagar New	TRNT32	0.90		2.02	2.70	3.05
Sabual	TRNT31	0.86	3.14	1.66	1.40	3.17
Sanicherra	TRNT24	0.92	1.53	1.43	0.98	1.54
Satnala	TRNT16	1.05	0.90	1.31	0.55	0.75
Sipahi-Jala						
Dakshin Kalamcherra	TRWT04A	0.96	1.78	2.43	1.49	1.50
Golaghati	TRSJ01	0.85	3.14	1.92	1.15	1.52
Gongrai	TRWT36	0.55	3.73	2.92	2.50	3.02
Kathalia bazar	79M3B5	0.75	2.93	2.70	2.83	2.96
Konaban	TRSJ05	0.46				1.98
Lalmaibari	TRSJ03	1.12	4.50	3.48	3.84	4.38

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Rajib Nagar	TRSJ06	0.88				
Shivnagar	TRSJ02	1.13	2.82	2.02	2.22	2.45
Tufaniamura	TRWT35	0.72	4.68	3.58	3.98	4.18
South Tripura						
Amlı Ghat	TRST 35	0.93	1.73	3.67	3.57	3.83
Ananda Bandhu Para	TRST 42	0.87	4.03	3.83	3.93	5.46
Baishnabpur	TRST 30	0.7	6	5.24	5.35	5.9
Bankul Mahamuni	TRST 39	0.95	2.17			
Barkashari	TRST44	0.85		6.45		8.04
Bijaynagar	TRST 32	0.72	2.96	1.4	2.03	2.28
Chatakchari	TRST 40	0.8		5.3	5.6	6
Gardhang	TRST11	0.74	0.45			
Ghorakhappa	TRST 41	0.95	3.87	2.81	3.45	4.19
Kalachhara	TRST10	0.90				1.33
Kalirbazar	TRST 29	0.9	2.62	1.64	2.15	2.37
Kashari	TRST24	0.85				
Magroom	TRST 31	0.95	2.34	1.77	2.17	2.72
Manu Bazar	TRST 9	0.66		2.74	3.74	4.14
Manurmukh	TRST03A	1.00	0.50	0.35	0.55	0.60
Michara	TRST43	0.84		0.96		1.65
Motu Mogpara	TRST 33	0.9		3	3.2	3.18
Poangbari	TRST 37	0.92	4.68	3.18	3.68	4.23
Purba Takka	TRST 38	0.67	4.89	4.13	3.88	4.11
Radhanagar	TRST15	0.88	3.58	1.82	3.67	3.09
Rajib Nagar Ew	TRST28	0.80	9.22	7.67	7.60	7.89
Rajnagar	TRST14	1.35	4.58	2.95	3.25	3.60
Rangamura	TRST25	0.90				3.40
Sabroom	79M4C1	0.83	6.17	4.77	5.25	5.67
Srinagar	TRST 36	1.05	1.93	1.15	1.39	1.65
Tuichama Ew	TRST26	0.68	15.15	15.06	12.42	15.01
Tuichama OW	TRST27	0.77	12.33	11.89	12.23	12.65
Unakoti						
Chandramanikami	TRNT18	0.9	4.25	1.91	3.2	3.8
Demdum	TRUK02	0.82	3.41	1.73	2.43	2.81
Gauranagar N	TRNT11	0.79	5.51	1.38	2.53	4.55
Jarutali	TRNT27	0.75	1.99	1.55	1.55	1.74
Kanchanbari	TRUK01	0.83	2.44	1.74		2.27
Kanchanchhera	TRNT12	0.74	6.15	2.91	4.05	5.10
Karaicherra	TRNT14	0.75	5.69	3.70	4.38	4.85

State/District/Location	Well No	MP (magl)	Mar-19	Aug-19	Nov-19	Jan-20
			(Depth to WL in mbgl)			
Kumarghat	83D4A6	0.32	1.63	2.60	3.68	4.42
Panchamnagar	TRNT17	0.85	6.55	3.72	4.34	5.02
Pecharthal	83D4A7	0.68	6.26	2.52	4.82	6.65
West Tripura						
Badharghat DTW	TRWT25	0.63	4.41	2.77	3.26	3.72
Bodhjanagar Dtw	TRWT19	0.75	20.61	19.55	19.83	20.28
Bodhjanagar Stw	TRWT20	0.95	17.56	16.42	16.79	17.56
Ishanpur	TRWT31	0.80	3.04	1.03	2.11	1.45
Khumulwng	TRWT42	0.79	7.11	6.16	6.64	6.79
Nagicherra1	TRWT29	0.55	27.25	26.90	26.89	27.35
Nagicherra2	TRWT30	0.63	22.55	22.69	22.37	22.82
Narsingharh DTW	TRWT28	0.70	10.27	8.08	8.68	9.66
Simna	78P4B1	0.79	5.17	4.75	4.71	4.27
Subalsingh	TRWT32	0.64	7.62	5.21		2.81
Tarapur	TRWT41	0.88	2.70	0.98	2.01	2.62

Annexure – IIA

Depth to Water level in Monthly Ground Water Monitoring Wells in NER (in meter below ground level)

State/District/Location	MP (magl)	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20
Arunachal Pradesh												
Papumpare												
Banderdewa-I	0.88	12.69	12.45	10.58	10.32	11.08	10.85	11.03	11.05	12.72	12.9	11.72
Chimpu	0.80	1.64	1.48	1.67	1.72	1.69	2.17	1.41	1.48	2.63	2.85	3.54
Doimukh	0.80	0.94	0.79	0.34	0.2	0.09	0.51	0.46	0.74	0.91	0.93	0.97
Itanagar-I	0.90	1.32	1.09	1.68	2.41	2.32	2.1	0.8	0.98	2.39	2.67	3.31
Naharlagun-I	0.86	6.21	6.2	5.65	5.46	5.25	5.47	5.22	5.28	5.71	5.9	6.08
Nirjuli Vill-I	0.74	0.69	0.6	0.38	0.3	0.19	0.27	0.5	0.53	0.73	0.59	0.19
Nirjuli Vill-II	0.76	-0.21	-0.53	-0.61	-0.6	-0.73	-0.34	-0.45	-0.54	-0.32	-0.29	0.54
Assam												
Kamrup Metro												
AAU, Kahikuchi	0.91		6.14	3				1.09		3.43	3.9	3.21
AAU, Kahikutchi	0.6	4.4	6.14	2.8	2.3	1.14	2.4	1.4	1.55	2.9	6.43	5.38
AAU, Khanapara	0.62	3.71	9.49	2.74	2.73	2.68	3.9	1.55	2.4	4.88	3.16	2.66
AAU, Khanapara	0.83	15.67	28.18	11.17	21.87	24.27	11.1	13.85	12.37	19.61	20.9	
Adagudam	0.5	17	23.85	16.5	16.2	17	9	16.8		18.02	19.44	19.97
Amingaon	0.9	3.7	3.37	3.23	3.32	3.02	3.72	3.02	3.1	4.31	4.43	3.58
Ashwaktanta Temple	1	3.51	2.76	1.91	2.37	1.57	9.66	2.06	2.08	3.55	3.88	3.09
Avayapuri	1	2.1	3.82	0.64	1.85	1.33	1.72	0.24	1.23	2.89	3.11	1.99
Azara PHC	0.8	5.02	3.94	1.32	1.26	0.02	1.04	0.1	1.1	3.46	4.1	4.61
Bakarapara	0.75	6.62	4.1	1.77	1.66	1.02	1.96	1.36	1.46	11.81	4.29	3.7
Basitha FG	0.9	11.87	11.83	9.86	11.69	8.96	7.64	11.24	10.1	3.27	12.35	11.77
Boragaon	0.7	8.92	3.88	1.05	1.04	0.65	1.7	0.3	1	2.08	2.57	1.92

State/District/Location	MP (magl)	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20
Chandrapur	0.7	6.69	3.31	0.45	0.97	0.67	1.33	0.43	1.01	2.55	2.86	2.36
Choonsali, Madhabpur	0.6	4.22	3.91	3.29	3.14	2.83	2.92	2.69	2.86	3.98	4.01	3.55
Dirgheshwari	0.7	4.16	3.45	0.87	0.97	0.44	1.6	0.7	0.85	2.32	2.74	2.63
Dte of Agri	0.9		6.14	0		0.8				1.35	1.7	0.47
Fatasil-Ambari	0.5	6.04	7.4	4.07	4.69	3.62	3.2	3.5	3.94	1.8	1.99	1.55
Ganesh Mandir, Narengi	0.8	5.43	5.46	4.37	4.11	4.06	4.59	3.92	3.9	5.78	1.63	5.21
Garigaon	0.7	2.06	0.38	0.06	0.52	0.22	1.2	0	0.26	1.55	2.2	1.01
GMC	0.9	1.23	1.17	0.31	0.99	0.75						
Hengrabari FG	0.32	2.64	4.18	2.78	4.08	3.27	3.37	2.9	4.2	3.6	3.75	3.93
IIT, North Guwahati	0.75	3.62	3.38	2.45	2.53	1.28	3.3	1.95	2.25	3.04	4.12	3.55
Kacharibasti Christian Basti	0.85	11.15	10.85	3.6	4.25	3.81	4.17	3.17	3.98	5.65	8.3	8.83
Kahilipara Colony Bazar	1.02	11.94	9.46	2.38	8.14	7.28	8.31	8.18	7.73	10.54	11.37	9.78
Kahilipara L.P. School	0.8	2.61	2.36	1.1	2.29	1.35	1.2	0.9	0.89	2.39	2.3	2.94
Khanapara PP New	0.93	2.68	2.87	1.07	1.17	1.02	1.9	0.77	1.03	2.42	2.29	1.41
Khanapara Sc. Museum	0.9	9.65	2.82	1.61	1.16	1.17	7.05	0.35	1.35	2.49	2.61	2.2
Lachitpur	0.8	7.82	7.48	2.9	4.44	1.73	4.4	3.09	3.6	5.97	6.27	5.51
Lakhra Chariali	0.9	5.97	2.59	0.8	1.47	1.73	1.44	0.77	1.15	3.53	3.86	3.01
Lakshmi Mandir	0.8	5.36	3.98	2.5	4	3.49	3.4	1.25	3.05	3.53	4.89	4.24
Lalganesh Chariali	0.9	3.36	2.16	1.62	1.76	1.61	1.1	0.91	4.3	4.94	4.55	4.03
Lalmati New	0.5	5.65	2.37	1.02	1.54	1.09	1.72	1.32	1.6	2.71	2.9	2.69
Mairapatti	0.9	6.26	6.82	3.87	4.17	2.42	5.38	3.69	2.2	5.58	5.25	4.95
Maligaon	0.8	0.48	0.62	0.45	0.53	0.53	0.48	0.43	0.77	1.52	1.58	0.69
Narangi Forest Gate	0.9	7.99	8.07	7.5	8.14	7.22	7	7.92	8.6	9.07	9.22	8.6
Odalbakra, Pahartoli	0.6	2.66	2.8	0.65	1.45	0.82	0.25	0.1	1.05	1.61	3.99	2.87
Paltan bazar	0.54	0.54	0.71	0.76	0.41	0.28	0.8	0.01	0.34	1.15	1.42	0.44

State/District/Location	MP (magl)	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20
Panbazar Circuit House	0.3	13.72	13.3	10.7	10.2	8.45	10.7	8.3				
Panikhaiti	0.66	6.57	5.44	4.44	4.9	4.05	4.61	3.79	4.51	5.82	6.02	5.44
Panjabari	0.75	12.25	11.55	9.45	10.18	9.13	10.25	1.45	5.41	11.98	10.36	9.65
Panjabari, Khanapara	0.58	21.42	2.46	1.7	1.37	1.07		2.2			19.95	
Patgaon	0.65	1.83	1.47	0.9	0.92	0.85	0.85	0.4	0.75	1.87	1.98	1.38
Patharquery	0.7	1.38	1.24	4.43	0.98	0.86	1.75	0.55	1.03	2.05	2.14	1.54
Sijubari	0.81		6.09	4.44	4.69	4.32	4.93	4.31	4.34	7.84	8.34	8.09
Survey Odalbakra	0.5	7.5	7.02	3.47	3.09	1.97	1.32	0.9	1.42	3.29	3.97	3.78
Udaipur	0.5	9.72	9.78	8.6	9.85	9.71	9.5	8.95	8.5	8.58	9.64	9.42
Vishwakarma Temple	0.8	1.49	1.49	1.19	2.7	1.19	2.59	1.14	1.35	2.19	2.3	0.75
West Krishna Nagar	0.71	5.74	5.14	2.49	3.44	3.24	2.82	2.99	3.41	4.87	5.14	4.59
West Krishna Nagar	0.5	14.9	17.46	12.8	16.3	13.95	14.3	15.3	15.5	18.95	16.1	16
Wireless	0.58	0.79	0.77	0.52	0.78	0.73	2.99	0.17	0.32	1.2	1.54	0.82
Zoo Narengi Road HS	0.96	3.97	3.53	3.19	3.61	3.23	2.76	2.5	3.5	9.95	8.5	7.09
Meghalaya												
East Khasi hills												
Golf Links	0.75	Dry	7.65	3.5	2.76	1.45	1.45	1.45	2.61	2.59	3.75	4.5
Dhankheti	0.66	1.92	1.19	0.99	0.46	1.56	1.44	1.44	1.59	1.78	1.74	Well Sealed
Lr. Lachaumiere	0.80	0.94	0.82	0.4	0.3	0.31	0.05	0.15	0.18	0.5	0.88	0.79
Mawpat	0.54	9.09	6.58	5.71	3.66	3.76	5.35	5.35	1.41	8.55	6.29	2.88
Nongmynsong	0.52	2.71	2.58	2.06	1.12	1.46	0.9	0.9	2.53	2.32	2.61	2.58
Nongpoh	0.57	4.46	4.1	3.75	4.2	3.99	2.75	2.75	3	2.45	2.15	3.88
Byrnihat	0.93	3.19	3.03	2.65	2.02	2.04	1.57	1.57	1.71	1.81	2.17	2.62
Mairang	0.30	0.8	0.7	0.49	0.36	0.44	0.5	0.5	0.36	0.4	0.66	1.21
Nagaland												

State/District/Location	MP (magl)	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20
Dimapur												
Govt. college, Dimapur	0.60			5.2	5.1							
Forest colony , Dimapur	0.80			2.7	2.6							
DGM colony Quarter no28	0.67			1.7	1.5							
vocational training centre	0.74			2.5	2.3							
Bamunpukhri-I village	1.11			2.6	2.45							
F.O. compound, chumikedima	0.92			5.5	3.6							
Namsa, Agri.Seed Farm Tizit	0.78			3.4	3.1							
Kohima												
R.Angami's Compound Sepfuzou Colony Kohima	0.62			3	2.9							
Wokha												
Tourist Lodge Compound Wokha	0.75			3	2.8							
Tripura												
Gomati												
Dewan Bari, Killa	0.78	4.02	3.11	3.49	4.12	2.35	2.67	2.42	2.56	2.82		
Khowai												
Kalyanpur	0.92	4.74	4.84	4.17	4.87	4.51	3.71	3.89	4.05	3.93	4.01	4.11
Khowai	0.72	1.79	1.82	1.17	1.6	1.24	1.48	1.73	1.69	1.93	1.91	1.98
N. Tripura												
Panisagar	0.78	4.37	3.99	2.45	1.76	1.64	1.79	2.27	1.85	2.42	2.72	2.94
Unakoti												
Kanchancherra	0.74	6.36	6.64	5.84	5.05	3.48	3.52	3.83	3.99	4.66	5.06	5.71
Kumarghat	0.32	5.52	5.8	3.28	3.76	3.38	2.6	3.24	3.17	3.68	4.16	4.42
Pecharthal	0.68	6.13	6.17	2.17	2.13	2.04	2.52	3.37	1.69	4.82	6.84	6.65

State/District/Location	MP (magl)	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20
W. Tripura												
AD Nagar	0.66	7.14	7.09	6.54	4.6	3.49	3.69	4.17	3.88	4.36	4.69	5.94
Bhadarghat EW	0.63	2.69	4.44	4.44	3.92	2.67	2.77	2.99	2.93	3.26	3.39	3.72
Bodhjung Nagar DTW	0.75	20.72	21.05	21.04	20.75	19.75	19.55	19.65	19.6	19.83	20.05	20.28
Bodhjung Nagar STW	0.95	17.78	18.22	18.47	17.85	16.82	16.42	16.47	16.64	16.79	17.17	17.56
Ishanpur	0.80	2.76	2.98	2.52	2.14	1.98	1.03	1.72	1.71	2.11	2.03	1.45
Mohanpur	0.63	2.79	3.12	2.71	1.69	1.95	1.95	1.74	1.71	2.26	2.06	2.2
Nagicherra EW-I	0.55	26.18	27.86	28.02	27.92	26.98	26.9	26.8	26.75	26.89	27.05	27.35
Nagicherra EW-II	0.55	22.79	23.27	23.55	23.64	23.18	22.69	22.59	21.75	22.37	22.51	22.82
Narsingarh DTW	0.70	10.27	10.18	9.77	8.88	7.92	8.08	8.25	8.1	8.68	9.13	9.66
Radhakishore nagar	0.30	3.6	3.1	2.03	2.37	0.4	1.83	1.82	2.15	2.5	3.1	3.34
Simna	0.79	5.36	5.23	4.66	4.82	4.42	4.75	4.5	4.48	4.71	5.08	4.27
Madhuban	0.68	4.5	4.07	3.46	3.99	2.32	3.52	2.98	3.21	3.8	3.95	4.32

**Districtwise Well Frequency for Different Ranges of Depth to Water Level
Month / Year : March- 2019**

District	No. of stations measured	Depth to WL		0-2 (m)		2-5 (m)		5-10 (m)		10-20 (m)		>20(m)	
		(mbgl)		No	%	No	%	No	%	No	%	No	%
		Min.	Max.										
Arunachal Pradesh													
East Siang	7	1.37	8	3	42.9	0	0	4	57.1	0	0	0	0
Lohit	5	1.89	4.82	1	20	4	80	0	0	0	0	0	0
Lower Subansiri	2	1.23	2.25	1	50	1	50	0	0	0	0	0	0
Papumpare	9	-0.21	12.69	6	66.7	1	11.1	1	11.1	1	11.1	0	0
Tirap	3	1.84	3.38	1	33.3	2	66.7	0	0	0	0	0	0
Total	26			12	46.2	8	30.8	5	19.2	1	3.8	0	0.00
Assam													
Baksa	2	3.6	3.6	0	0	2	100	0	0	0	0	0	0
Barpeta	4	2.99	4.12	0	0	4	100	0	0	0	0	0	0
Biswanath	12	1.15	9.34	2	16.7	6	50	4	33.3	0	0	0	0
Bongaigaon	10	1.66	5.1	1	10	8	80	1	10	0	0	0	0
Cachar	20	0.27	7.02	8	40	9	45	3	15	0	0	0	0
Chirang	1	3	3	0	0	1	100	0	0	0	0	0	0
Darrang	3	2.81	4.9	0	0	3	100	0	0	0	0	0	0
Dhemaji	12	0.92	9.69	2	16.7	7	58.3	3	25	0	0	0	0
Dhubri	9	3.3	17.39	0	0	5	55.6	1	11.1	3	33.3	0	0
Dibrugarh	5	3.84	5.42	0	0	4	80	1	20	0	0	0	0
East Karbi Anglong	7	1.11	5.6	4	57.1	2	28.6	1	14.3	0	0	0	0
Goalpara	13	3.1	8.55	0	0	8	61.5	5	38.5	0	0	0	0
Golaghat	3	3.86	5.51	0	0	2	66.7	1	33.3	0	0	0	0
Hailakandi	7	0.92	8.93	3	42.9	3	42.9	1	14.3	0	0	0	0
Hojai	2	6.8	11.23	0	0	0	0	1	50	1	50	0	0
Jorhat	5	0.3	2.26	3	60	2	40	0	0	0	0	0	0
Kamrup	11	1.9	8.65	2	18.2	5	45.5	4	36.4	0	0	0	0
Kamrup Metro	8	2.42	4.2	0	0	8	100	0	0	0	0	0	0
Karbi Anglong	18	1.1	11.9	1	5.6	11	61.1	3	16.7	3	16.7	0	0
Karimganj	9	0.29	2.65	7	77.8	2	22.2	0	0	0	0	0	0
Kokrajhar	2	3.8	5.25	0	0	1	50	1	50	0	0	0	0
Lakhimpur	19	0.66	5.71	5	26.3	13	68.4	1	5.3	0	0	0	0
Morigaon	12	3	7.1	0	0	8	66.7	4	33.3	0	0	0	0
Nagaon	18	2.43	9.49	0	0	10	55.6	8	44.4	0	0	0	0
Nalbari	3	1.52	4.83	1	33.3	2	66.7	0	0	0	0	0	0
Sibsagar	4	0.6	7.8	2	50	1	25	1	25	0	0	0	0
Sonitpur	12	1.94	7.19	1	8.3	9	75	2	16.7	0	0	0	0

District	No. of stations measured	Depth to WL		0-2 (m)		2-5 (m)		5-10 (m)		10-20 (m)		>20(m)	
		(mbgl)		No	%	No	%	No	%	No	%	No	%
		Min.	Max.										
Tinsukia	8	0.41	5.93	1	12.5	5	62.5	2	25	0	0	0	0
Udalguri	8	0.14	4.03	1	12.5	7	87.5	0	0	0	0	0	0
West Karbi Anglong	4	1.2	14.7	1	25	1	25	1	25	1	25	0	0
Total	251			45	17.9	149	59.4	49	19.5	8	3.2	0	0.00
Meghalaya													
East Garo Hills	9	3.43	6.38	0	0	8	88.9	1	11.1	0	0	0	0
East Jaintia Hills	1	43.95	43.95	0	0	0	0	0	0	0	0	1	100
East Khasi Hills	10	0.94	9.09	4	40	3	30	3	30	0	0	0	0
North Garo Hills	3	4.01	5.75	0	0	2	66.7	1	33.3	0	0	0	0
Ri-Bhoi	14	0.56	31.91	1	7.1	7	50	4	28.6	0	0	2	14.3
South West Garo Hills	4	3.34	6.45	0	0	2	50	2	50	0	0	0	0
West Garo Hills	11	3.12	8.35	0	0	7	63.6	4	36.4	0	0	0	0
West Jaintia Hills	3	0.51	12.96	2	66.7	0	0	0	0	1	33.3	0	0
West Khasi Hills	1	0.8	0.8	1	100	0	0	0	0	0	0	0	0
Total	56			8	14.2	29	51.8	15	26.8	1	1.8	3	5.4
Nagaland													
Dimapur	6	1.15	11.62	1	16.7	3	50	0	0	2	33.3	0	0
Total	6			1	16.7	3	50	0	0	2	33.3	0	0
Tripura													
Dhalai	14	1.29	7.33	4	28.6	8	57.1	2	14.3	0	0	0	0
Gomati	8	1.54	9.76	2	25	5	62.5	1	12.5	0	0	0	0
Khowai	8	1.88	15.22	1	12.5	6	75	0	0	1	12.5	0	0
North Tripura	20	0.9	6.68	6	30	10	50	4	20	0	0	0	0
Sipahijala	7	1.78	4.68	1	14.3	6	85.7	0	0	0	0	0	0
South Tripura	19	0.45	15.15	4	21.1	10	52.6	3	15.8	2	10.5	0	0
Unakoti	10	1.63	6.55	2	20	3	30	5	50	0	0	0	0
West Tripura	11	2.7	27.25	0	0	3	27.3	3	27.3	2	18.2	3	27.3
Total	97			20	20.6	51	52.6	18	18.6	5	5.1	3	3.1
Grand Total	436			86	19.7	240	55.1	87	19.9	17	3.9	6	1.4

Districtwise Well Frequency for Different Ranges of Depth to Water Level
Month / Year: August – 2019

District	No. of stations measured	Depth to WL		0-2 (m)		2-5 (m)		5-10 (m)		10-20 (m)		>20(m)	
		(mbgl)		No.	%	No.	%	No.	%	No.	%	No.	%
		Min.	Max.										
Arunachal Pradesh													
East Siang	6	0.3	4.96	3	50	3	50	0	0	0	0	0	0
Changlang	4	1.05	4.83	2	50	2	50	0	0	0	0	0	0
Tirap	3	1.84	3.38	1	33.3	2	66.7	0	0	0	0	0	0
Papumpare	9	-0.34	10.85	5	55.6	2	22.2	1	11.1	1	11.1	0	0
Lower Subansiri	2	0.72	1.02	2	100	0	0	0	0	0	0	0	0
Lohit	4	1.15	3.13	2	50	2	50	0	0	0	0	0	0
Total	28			15	53.6	11	39.2	1	3.6	1	3.6	0	0.00
ASSAM													
Baksa	1	2.42	2.42	0	0	1	100	0	0	0	0	0	0
Bongaigaon	7	1.69	6.05	3	42.9	3	42.9	1	14.3	0	0	0	0
Biswanath	9	0.32	5.74	6	66.7	2	22.2	1	11.1	0	0	0	0
Cachar	20	0.09	5.55	9	45	9	45	2	10	0	0	0	0
Darrang	6	1.6	4.66	2	33.3	4	66.7	0	0	0	0	0	0
Dhemaji	10	0.43	6.68	8	80	1	10	1	10	0	0	0	0
Dibrugarh	6	1.06	3.9	2	33.3	4	66.7	0	0	0	0	0	0
Dhubri	7	1.08	16.84	2	28.6	2	28.6	0	0	3	42.9	0	0
East Karbi Anglong	7	0.4	1.76	7	100	0	0	0	0	0	0	0	0
Goalpara	14	1.16	4.07	6	42.9	8	57.1	0	0	0	0	0	0
Golaghat	7	1.12	6.95	3	42.9	2	28.6	2	28.6	0	0	0	0
Hailakandi	8	0.32	5.95	4	50	3	37.5	1	12.5	0	0	0	0
Hojai	3	1.9	4.19	1	33.3	2	66.7	0	0	0	0	0	0
Johrat	1	0.43	0.43	1	100	0	0	0	0	0	0	0	0
Kamrup	13	0.55	3.65	6	46.2	7	53.8	0	0	0	0	0	0
Kamrup Metro	9	0.63	3.72	8	88.9	1	11.1	0	0	0	0	0	0
Karbi Anglong	22	0.5	11.13	9	40.9	9	40.9	3	13.6	1	4.5	0	0
Karimganj	9	0.04	3.06	8	88.9	1	11.1	0	0	0	0	0	0
Lakhimpur	18	0.17	3.42	13	72.2	5	27.8	0	0	0	0	0	0
Morigaon	16	0.16	3.08	10	62.5	6	37.5	0	0	0	0	0	0
Nalbari	3	1.27	2.94	2	66.7	1	33.3	0	0	0	0	0	0
Nagaon	29	0.27	5.53	22	75.9	5	17.2	2	6.9	0	0	0	0
Sonitpur	12	1.1	5.29	7	58.3	4	33.3	1	8.3	0	0	0	0
Tinsukia	10	0.57	3.93	6	60	4	40	0	0	0	0	0	0
Udalguri	9	1.19	3.25	4	44.4	5	55.6	0	0	0	0	0	0

District	No. of stations measured	Depth to WL		0-2 (m)		2-5 (m)		5-10 (m)		10-20 (m)		>20(m)	
		(mbgl)		No.	%	No.	%	No.	%	No.	%	No.	%
		Min.	Max.										
Kokrajhar	2	1.81	2.82	1	50	1	50	0	0	0	0	0	0
Sibsagar	6	0.7	6.95	4	66.7	1	16.7	1	16.7	0	0	0	0
Total	274			164	59.8	91	33.2	15	5.5	4	1.5	0	0.00
MEGHALAYA													
East Jaintia Hills	1	39.5	39.51	0	0	0	0	0	0	0	0	1	100
East Garo Hills	10	0.76	2.84	4	40	6	60	0	0	0	0	0	0
East Khasi Hills	10	0.05	5.53	7	70	0	0	3	30	0	0	0	0
West Khasi Hills	1	0.5	0.5	1	100	0	0	0	0	0	0	0	0
West Jaintia Hills	3	0.28	11.03	2	66.7	0	0	0	0	1	33.3	0	0
West Garo Hills	13	0.93	6.39	4	30.8	8	61.5	1	7.7	0	0	0	0
South West Garo Hills	5	0.89	5.26	3	60	1	20	1	20	0	0	0	0
Ri-Bhoi	14	0.6	38.64	5	35.7	6	42.9	1	7.1	0	0	2	14.3
North Garo Hills	5	1.49	2.53	2	40	3	60	0	0	0	0	0	0
Total	62			28	45.2	24	38.7	6	9.7	1	1.6	3	4.8
NAGALAND													
Dimapur	11	0.98	6.83	3	30	7	60	1	10	0	0	0	0
Total	11			3	27.3	7	63.6	1	9.1	0	0	0	0
TRIPURA													
Gomti	9	0.44	8.97	4	44.4	4	44.4	1	11.1	0	0	0	0
Khowai	8	1.48	14.36	2	25	5	62.5	0	0	1	12.5	0	0
Dhalai	13	-0.3	5.58	9	69.2	3	23.1	1	7.7	0	0	0	0
Unakoti	10	1.38	3.72	5	50	5	50	0	0	0	0	0	0
South Tripura	20	0.35	15.06	7	35	7	35	4	20	2	10	0	0
Sipahijala	7	1.92	3.84	1	14.3	6	85.7	0	0	0	0	0	0
North Tripura	20	0.42	5.94	12	60	7	35	1	5	0	0	0	0
West Tripura	11	0.98	26.9	2	18.2	2	18.2	3	27.3	2	18.2	2	18.2
Total	98			42	42.9	39	39.8	10	10.2	5	5.1	2	2.0
Grand Total	473			252	53.3	172	36.4	33	6.9	11	2.3	5	1.1

**Districtwise Well Frequency for Different Ranges of Depth to Water Level
Month / Year :November- 2019**

District	No. of stations measured	Depth to WL		0-2 (m)		2-5 (m)		5-10 (m)		10-20 (m)		>20(m)	
		(mbgl)		No.	%	No.	%	No.	%	No.	%	No.	%
		Min.	Max.										
ARUNACHAL PRADESH													
Changlang	4	2.1	5.14	0	0	3	75	1	25	0	0	0	0
East Siang	4	1.33	7.52	2	50	0	0	2	50	0	0	0	0
Lohit	4	0.55	4.2	3	75	1	25	0	0	0	0	0	0
Lower Subansiri	2	1.12	1.44	2	100	0	0	0	0	0	0	0	0
Papumpare	8	-0.25	10.4	4	50	3	37.5	0	0	1	12.5	0	0
Tirap	3	4.03	6.75	0	0	2	66.7	1	33.3	0	0	0	0
Total	25			11	44.0	9	36.0	4	16.0	1	4.0	0	0
ASSAM													
Baksa	1	2.98	2.98	0	0	1	100	0	0	0	0	0	0
Biswanath	8	0.62	7.43	4	50	1	12.5	3	37.5	0	0	0	0
Bongaigaon	6	2.2	5.44	0	0	5	83.3	1	16.7	0	0	0	0
Cachar	18	0.02	3.95	14	77.8	4	22.2	0	0	0	0	0	0
Darrang	5	2.51	5.34	0	0	4	80	1	20	0	0	0	0
Dhemaji	9	0.61	8.79	5	55.6	3	33.3	1	11.1	0	0	0	0
Dhubri	7	2.9	18.32	0	0	4	57.1	0	0	3	42.9	0	0
Dibrugarh	6	1.67	4.27	1	16.7	5	83.3	0	0	0	0	0	0
East Karbi Anglong	7	0.53	3.15	3	42.9	4	57.1	0	0	0	0	0	0
Goalpara	13	0.7	4.7	7	53.8	6	46.2	0	0	0	0	0	0
Golaghat	6	1.08	3.3	3	50	3	50	0	0	0	0	0	0
Hailakandi	7	0.21	2.73	6	85.7	1	14.3	0	0	0	0	0	0
Hojai	3	0.32	4.78	1	33.3	2	66.7	0	0	0	0	0	0
Jorhat	10	-0.01	1.6	10	100	0	0	0	0	0	0	0	0
Johrat	1	1.07	1.07	1	100	0	0	0	0	0	0	0	0
Kamrup	11	1.04	5	4	36.4	7	63.6	0	0	0	0	0	0
Kamrup Metro	6	0.98	2.37	4	66.7	2	33.3	0	0	0	0	0	0
Karbi Anglong	20	0.42	6.96	6	30	11	55	3	15	0	0	0	0
Karimganj	9	0.1	3.06	8	88.9	1	11.1	0	0	0	0	0	0
Lakhimpur	18	0.17	3.97	13	72.2	5	27.8	0	0	0	0	0	0
Morigaon	15	1.53	5.12	5	33.3	9	60	1	6.7	0	0	0	0
Nagaon	21	1.1	6.3	6	28.6	11	52.4	4	19	0	0	0	0
Nalbari	3	2.23	4.4	0	0	3	100	0	0	0	0	0	0
Sibsagar	4	0.34	2.4	3	75	1	25	0	0	0	0	0	0
Sonitpur	10	1.06	5.19	5	50	4	40	1	10	0	0	0	0
Tinsukia	10	1.16	5.48	4	40	5	50	1	10	0	0	0	0
Udalguri	9	2.15	4.68	0	0	9	100	0	0	0	0	0	0

District	No. of stations measured	Depth to WL (mbgl)		0-2 (m)		2-5 (m)		5-10 (m)		10-20 (m)		>20(m)	
		Min.	Max.	No.	%	No.	%	No.	%	No.	%	No.	%
		MEGHALAYA											
East Garo Hills	10	0.8	4.9	5	50	5	50	0	0	0	0	0	0
East Jaintia Hills	1	39.89	39.89	0	0	0	0	0	0	0	0	1	100
East Khasi Hills	10	0.15	8.55	5	50	3	30	2	20	0	0	0	0
North Garo Hills	5	1.8	3.08	2	40	3	60	0	0	0	0	0	0
Ri-Bhoi	14	1.05	31.78	4	28.6	8	57.1	0	0	0	0	2	14.3
South West Garo Hills	5	1.25	3.5	2	40	3	60	0	0	0	0	0	0
West Garo Hills	13	1.2	7	3	23.1	8	61.5	2	15.4	0	0	0	0
West Jaintia Hills	3	0.22	9.74	2	66.7	0	0	1	33.3	0	0	0	0
West Khasi Hills	1	0.4	0.4	1	100	0	0	0	0	0	0	0	0
Total	62			24	38.7	30	48.4	5	8.1	0	0.0	3	4.8
NAGALAND													
Dimapur	11	0.41	9.95	3	27.3	4	36.4	4	36.4	0	0	0	0
Total	11			3	27.3	4	36.4	4	36.4	0	0	0	0
TRIPURA													
Dhalai	13	0.16	6.8	5	38.5	7	53.8	1	7.7	0	0	0	0
Gomati	9	0.44	9.18	4	44.4	4	44.4	1	11.1	0	0	0	0
Khowai	8	1.93	14.72	1	12.5	6	75	0	0	1	12.5	0	0
North Tripura	20	0.55	6.53	8	40	11	55	1	5	0	0	0	0
Sipahijala	7	1.15	3.98	2	28.6	5	71.4	0	0	0	0	0	0
South Tripura	18	0.55	12.42	2	11.1	10	55.6	4	22.2	2	11.1	0	0
West Tripura	10	2.01	26.89	0	0	4	40	2	20	2	20	2	20
Unakoti	9	1.55	4.82	1	11.1	8	88.9	0	0	0	0	0	0
Total	94			23	24.5	55	58.5	9	9.6	5	5.3	2	2.1
Grand Total	435			174	40.0	209	48.0	38	8.7	9	2.1	5	1.2

**Districtwise Well Frequency for Different Ranges of Depth to Water Level
Month / Year :January- 2020**

District	No. of stations measured	Depth to WL		0-2 (m)		2-5 (m)		5-10 (m)		10-20 (m)		>20(m)	
		(mbgl)		No.	%	No.	%	No.	%	No.	%	No.	%
		Min.	Max.										
ARUNACHAL PRADESH													
Changlang	4	2.44	5.5	0	0	3	75	1	25	0	0	0	0
East Siang	3	2.28	9.94	0	0	2	66.7	1	33.3	0	0	0	0
Lohit	5	1.45	4.1	2	40	3	60	0	0	0	0	0	0
Lower Dibang Valley	1	11.2	11.2	0	0	0	0	0	0	1	100	0	0
Lower Subansiri	2	1.39	5.02	1	50	0	0	1	50	0	0	0	0
Papumpare	8	0.14	12.03	4	50	3	37.5	0	0	1	12.5	0	0
Tirap	3	5	9.5	0	0	1	33.3	2	66.7	0	0	0	0
Total	26			7	26.9	12	46.2	5	19.2	2	7.7	0	0.00
ASSAM													
Baksa	1	3.15	3.15	0	0	1	100	0	0	0	0	0	0
Biswanath	9	0.98	8.39	3	33.3	4	44.4	2	22.2	0	0	0	0
Barpeta	2	1.91	4	1	50	1	50	0	0	0	0	0	0
Bongaigaon	6	2.65	5.38	0	0	5	83.3	1	16.7	0	0	0	0
Cachar	16	0.07	4.99	8	50	8	50	0	0	0	0	0	0
Darrang	3	2.58	5.44	0	0	2	66.7	1	33.3	0	0	0	0
Dhemaji	13	0.91	9.5	4	30.8	7	53.8	2	15.4	0	0	0	0
Dhubri	7	3.15	19	0	0	3	42.9	1	14.3	3	42.9	0	0
Dibrugarh	6	2.1	4.72	0	0	6	100	0	0	0	0	0	0
East Karbi Anglong	7	1	6	4	57.1	2	28.6	1	14.3	0	0	0	0
Goalpara	14	1.05	5.68	2	14.3	10	71.4	2	14.3	0	0	0	0
Golaghat	6	2.67	8.33	0	0	5	83.3	1	16.7	0	0	0	0
Hailakandi	7	0.16	3.11	6	85.7	1	14.3	0	0	0	0	0	0
Hojai	4	2.65	6.18	0	0	3	75	1	25	0	0	0	0
Jorhat	10	0.11	1.88	10	100	0	0	0	0	0	0	0	0
Johrat	1	1.51	1.51	1	100	0	0	0	0	0	0	0	0
Kamrup	12	1.55	5.4	4	33.3	6	50	2	16.7	0	0	0	0
Kamrup Metro	8	1.1	3.58	5	62.5	3	37.5	0	0	0	0	0	0
Karbi Anglong	22	0.67	20.06	2	9.1	13	59.1	5	22.7	1	4.5	1	4.5
Karimganj	9	0.04	3.51	8	88.9	1	11.1	0	0	0	0	0	0
Kokrajhar	1	6.22	6.22	0	0	0	0	1	100	0	0	0	0
Lakhimpur	19	0.59	4.94	8	42.1	11	57.9	0	0	0	0	0	0
Morigaon	15	0.75	5.63	3	20	10	66.7	2	13.3	0	0	0	0
Nagaon	24	0.47	5.04	9	37.5	14	58.3	1	4.2	0	0	0	0
Nalbari	3	2.4	5	0	0	3	100	0	0	0	0	0	0
Sibsagar	4	0.39	4.82	2	50	2	50	0	0	0	0	0	0
Sonitpur	11	1.72	6.67	3	27.3	7	63.6	1	9.1	0	0	0	0

District	No. of stations measured	Depth to WL		0-2 (m)		2-5 (m)		5-10 (m)		10-20 (m)		>20(m)	
		(mbgl)		No.	%	No.	%	No.	%	No.	%	No.	%
		Min.	Max.										
Tinsukia	10	1.12	5.48	2	20	7	70	1	10	0	0	0	0
Udalguri	7	2.36	5.15	0	0	5	71.4	2	28.6	0	0	0	0
Total	257			85	33.1	140	54.5	27	10.5	4	1.5	1	0.4
MEGHALAYA													
East Garo Hills	10	1.07	6.45	2	20	6	60	2	20	0	0	0	0
East Jaintia Hills	1	43.93	43.93	0	0	0	0	0	0	0	0	1	100
East Khasi Hills	9	0.79	5.96	4	44.4	3	33.3	2	22.2	0	0	0	0
North Garo Hills	5	2.19	5.38	0	0	4	80	1	20	0	0	0	0
Ri-Bhoi	13	0.83	29.63	1	7.7	9	69.2	1	7.7	0	0	2	15.4
South West Garo Hills	5	2.16	3.35	0	0	5	100	0	0	0	0	0	0
West Garo Hills	13	1.53	7.55	1	7.7	10	76.9	2	15.4	0	0	0	0
West Jaintia Hills	3	0.52	11.63	2	66.7	0	0	0	0	1	33.3	0	0
West Khasi Hills	1	0.99	0.99	1	100	0	0	0	0	0	0	0	0
Total	60			11	18.3	37	61.7	8	13.3	1	1.7	3	5.00
NAGALAND													
Dimapur	11	0.47	10.4	2	18.2	5	45.5	3	27.3	1	9.1	0	0
Kohima	1	4.25	4.25	0	0	1	100	0	0	0	0	0	0
Total	12			2	16.7	6	50.0	3	25.0	1	8.3	0	0.00
TRIPURA													
Dhalai	14	0.55	7	5	35.7	6	42.9	3	21.4	0	0	0	0
Gomati	9	0.6	10.13	3	33.3	4	44.4	1	11.1	1	11.1	0	0
Khowai	8	1.98	14.92	1	12.5	6	75	0	0	1	12.5	0	0
North Tripura	20	0.02	6.7	7	35	12	60	1	5	0	0	0	0
Sipahijala	8	1.5	4.38	3	37.5	5	62.5	0	0	0	0	0	0
South Tripura	22	0.6	15.01	4	18.2	10	45.5	6	27.3	2	9.1	0	0
Unakoti	10	1.74	6.65	1	10	6	60	3	30	0	0	0	0
West Tripura	11	1.45	27.35	1	9.1	4	36.4	2	18.2	1	9.1	3	27.3
Total	102			25	24.5	53	52.0	16	15.7	5	4.9	3	2.9
Grand Total	457			130	28.5	248	54.3	59	12.9	13	2.8	7	1.5

District wise Categorisation of Water Level Fluctuation (Mar-19 to Aug-19)

District	Number of Station Analysed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
Arunachal Pradesh													
East Siang	6	0	0	0	0	0	0	3	50	3	50	0	0
Lohit	4	0	0	0	0	0	0	4	100	0	0	0	0
Lower Subansiri	2	0	0	0	0	0	0	2	100	0	0	0	0
Papumpare	9	2	22	0	0	0	0	7	77.8	0	0	0	0
Tirap	3	0	0	0	0	0	0	3	100	0	0	0	0
Total	24	2	8.33	0	0	0	0	19	79.17	3	12.5	0	0
Assam													
Baksa	1	0	0	0	0	0	0	1	100	0	0	0	0
Biswanath	9	0	0	0	0	0	0	5	55.6	2	22.2	2	22
Bongaigaon	7	0	0	1	14	0	0	5	71.4	1	14.3	0	0
Cachar	20	0	0	0	0	0	0	19	95	1	5	0	0
Darrang	2	0	0	0	0	0	0	2	100	0	0	0	0
Dhemaji	8	0	0	0	0	0	0	4	50	4	50	0	0
Dhubri	7	1	14	0	0	0	0	3	42.9	3	42.9	0	0
Dibrugarh	5	0	0	0	0	0	0	3	60	2	40	0	0
East Karbi Anglong	7	0	0	0	0	0	0	6	85.7	0	0	1	14
Goalpara	13	0	0	0	0	0	0	3	23.1	9	69.2	1	7.7
Golaghat	3	0	0	0	0	0	0	1	33.3	2	66.7	0	0
Hailakandi	7	0	0	0	0	0	0	6	85.7	1	14.3	0	0
Hojai	2	0	0	0	0	0	0	0	0	1	50	1	50
Jorhat	5	1	20	0	0	0	0	4	80	0	0	0	0
Kamrup	9	1	11	0	0	0	0	3	33.3	4	44.4	1	11
Kamrup Metro	8	1	13	0	0	0	0	4	50	3	37.5	0	0
Karbi Anglong	18	1	5.6	1	5.6	0	0	9	50	4	22.2	3	17
Karimganj	9	1	11	0	0	0	0	8	88.9	0	0	0	0
Kokrajhar	2	0	0	0	0	0	0	1	50	1	50	0	0
Lakhimpur	17	0	0	0	0	0	0	14	82.4	3	17.6	0	0
Morigaon	10	0	0	0	0	0	0	2	20	5	50	3	30
Nagaon	18	1	5.6	0	0	0	0	0	0	13	72.2	4	22
Nalbari	2	1	50	0	0	0	0	1	50	0	0	0	0
Sibsagar	4	1	25	0	0	0	0	3	75	0	0	0	0
Sonitpur	12	0	0	0	0	0	0	11	91.7	1	8.3	0	0
Tinsukia	8	1	13	0	0	0	0	3	37.5	3	37.5	1	13
Udalguri	6	1	17	0	0	0	0	5	83.3	0	0	0	0
Total	219	11	5.02	2	0.91	0	0	126	57.53	63	28.77	17	7.76

District	Number of Station Analysed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
Meghalaya													
East Garo Hills	9	0	0	0	0	0	0	4	44.4	5	55.6	0	0
East Jaintia Hills	1	0	0	0	0	0	0	0	0	0	0	1	100
East Khasi Hills	9	0	0	0	0	0	0	7	77.8	2	22.2	0	0
North Garo Hills	3	0	0	0	0	0	0	1	33.3	2	66.7	0	0
Ri-Bhoi	14	1	7.1	0	0	1	7.1	9	64.3	2	14.3	1	7.1
South West Garo Hills	4	0	0	0	0	0	0	2	50	2	50	0	0
West Garo Hills	10	0	0	0	0	0	0	6	60	4	40	0	0
West Jaintia Hills	3	0	0	0	0	0	0	3	100	0	0	0	0
West Khasi Hills	1	0	0	0	0	0	0	1	100	0	0	0	0
Total	54	1	1.85	0	0	1	1.85	33	61.11	17	31.48	2	3.70
NAGALAND													
Dimapur	5	1	20	0	0	0	0	0	0	2	40	2	40
Total	5	1	20	0	0	0	0	0	0	2	40	2	40
TRIPURA													
Dhalai	13	0	0		0	0	0	9	69.2	4	30.8	0	0
Gomti	8	3	38	0	0	0	0	4	50	1	12.5	0	0
Khowai	8	0	0	0	0	0	0	7	87.5	1	12.5	0	0
North Tripura	19	2	11	0	0	0	0	15	78.9	2	10.5	0	0
Sipahijala	7	1	14	0	0	0	0	6	85.7	0	0	0	0
South Tripura	16	1	6.3	0	0	0	0	15	93.8	0	0	0	0
Unakoti	10	1	10	0	0	0	0	4	40	4	40	1	10
West Tripura	11	1	9.1	0	0	0	0	7	63.6	3	27.3	0	0
Total	92	9	9.78	0	0	0	0.00	67	72.83	15	16.30	1	1.09
Grand Total	394	24	6.1	2	0.5	1	0.3	245	62.2	100	25.4	22	5.6

District wise Categorisation of Water Level Fluctuation (Mar-19 to Nov-19)

District	Number of Station Analysed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
Arunachal Pradesh													
East Siang	4	1	25	0	0	0	0	3	75	0	0	0	0
Lohit	4	0	0	0	0	0	0	2	50	2	50	0	0
Lower Subansiri	2	0	0	0	0	0	0	2	100	0	0	0	0
Papumpare	8	4	50	0	0	0	0	3	37.5	1	12.5	0	0
Tirap	3	2	66.7	0	0	1	33	0	0	0	0	0	0
Total	21	7	33.33	0	0	1	4.76	10	47.62	3	14.29	0	0
Assam													
Baksa	1	0	0	0	0	0	0	1	100	0	0	0	0
Biswanath	8	0	0	0	0	0	0	6	75	2	25	0	0
Bongaigaon	6	1	16.7	0	0	0	0	4	66.7	1	16.7	0	0
Cachar	18	0	0	0	0	0	0	13	72.2	4	22.2	1	5.6
Darrang	2	0	0	0	0	0	0	2	100	0	0	0	0
Dhemaji	8	0	0	0	0	0	0	7	87.5	1	12.5	0	0
Dhubri	7	2	28.6	0	0	0	0	5	71.4	0	0	0	0
Dibrugarh	5	0	0	0	0	0	0	4	80	1	20	0	0
East Karbi Anglong	7	3	42.9	0	0	0	0	3	42.9	1	14.3	0	0
Goalpara	12	0	0	0	0	0	0	5	41.7	6	50	1	8.3
Golaghat	3	0	0	0	0	0	0	2	66.7	1	33.3	0	0
Hailakandi	7	0	0	0	0	0	0	6	85.7	0	0	1	14
Hojai	2	0	0	0	0	0	0	0	0	1	50	1	50
Jorhat	5	1	20	0	0	0	0	4	80	0	0	0	0
Kamrup	8	1	12.5	0	0	0	0	3	37.5	3	37.5	1	13
Kamrup Metro	6	0	0	0	0	0	0	5	83.3	1	16.7	0	0
Karbi Anglong	16	0	0	0	0	0	0	9	56.3	3	18.8	4	25
Karimganj	9	1	11.1	0	0	0	0	8	88.9	0	0	0	0
Lakhimpur	17	0	0	0	0	0	0	17	100	0	0	0	0
Morigaon	9	0	0	0	0	0	0	5	55.6	3	33.3	1	11
Nagaon	14	1	7.1	0	0	0	0	7	50	5	35.7	1	7.1
Nalbari	2	1	50	0	0	0	0	1	50	0	0	0	0
Sibsagar	2	0	0	0	0	0	0	1	50	1	50	0	0
Sonitpur	10	0	0	0	0	0	0	8	80	2	20	0	0
Tinsukia	8	2	25	0	0	0	0	4	50	2	25	0	0

District	Number of Station Analysed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
Udalguri	6	5	83.3	0	0	0	0	1	16.7	0	0	0	0
Total	198	18	9.09	0	0	0	0	131	66.16	38	19.19	11	5.56
Meghalaya													
East Garo Hills	9	0	0	0	0	0	0	6	66.7	3	33.3	0	0
East Jaintia Hills	1	0	0	0	0	0	0	0	0	0	0	1	100
East Khasi Hills	9	0	0	0	0	0	0	9	100	0	0	0	0
North Garo Hills	3	0	0	0	0	0	0	1	33.3	2	66.7	0	0
Ri-Bhoi	14	2	14.3	0	0	0	0	8	57.1	2	14.3	2	14
South West Garo Hills	4	0	0	0	0	0	0	1	25	3	75	0	0
West Garo Hills	10	0	0	0	0	0	0	7	70	3	30	0	0
West Jaintia Hills	3	1	33.3	0	0	0	0	1	33.3	1	33.3	0	0
West Khasi Hills	1	0	0	0	0	0	0	1	100	0	0	0	0
Total	54	3	5.56	0	0	0	0	34	62.96	14	25.93	3	5.56
Nagaland													
Dimapur	6	2	33.3	0	0	0	0	2	33.3	1	16.7	1	17
Total	6	2	33.3	0	0	0	0	2	33.3	1	16.7	1	17
Tripura													
Dhalai	13	3	23.1	0	0	0	0	9	69.2	1	7.7	0	0
Gomti	8	2	25	1	13	0	0	5	62.5	0	0	0	0
Khowai	8	2	25	0	0	0	0	5	62.5	1	12.5	0	0
North Tripura	19	2	10.5	0	0	0	0	16	84.2	1	5.3	0	0
Sipahijala	7	0	0	0	0	0	0	7	100	0	0	0	0
South Tripura	16	3	18.8	0	0	0	0	12	75	1	6.3	0	0
Unakoti	9	0	0	1	11	0	0	5	55.6	3	33.3	0	0
West Tripura	10	0	0	0	0	0	0	10	100	0	0	0	0
Total	90	12	13.33	2	2.22	0	0	69	76.67	7	7.78	0	0
Grand Total	369	42	11.4	2	0.5	1	0.3	246	66.7	63	17.1	15	4.1

District wise Categorisation of Water Level Fluctuation (Mar-19 to Jan-20)

District	Number of Station Analysed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
Arunachal Pradesh													
East Siang	3	2	66.7	1	33.3	0	0	0	0	0	0	0	0
Lohit	4	0	0	0	0	0	0	4	100	0	0	0	0
Lower Subansiri	2	1	50	1	50	0	0	0	0	0	0	0	0
Papumpare	8	4	50	0	0	0	0	4	50	0	0	0	0
Tirap	3	1	33.3	1	33.3	1	33.3	0	0	0	0	0	0
Total	20	8	40	3	15	1	5	8	40	0	0	0	0
Assam													
Baksa	1	0	0	0	0	0	0	1	100	0	0	0	0
Barpeta	2	1	50	0	0	0	0	1	50	0	0	0	0
Biswanath	9	0	0	0	0	0	0	8	88.9	0	0	1	11.1
Bongaigaon	6	4	66.7	0	0	0	0	2	33.3	0	0	0	0
Cachar	16	0	0	0	0	0	0	15	93.8	1	6.3	0	0
Darrang	1	0	0	0	0	0	0	1	100	0	0	0	0
Dhemaji	11	4	36.4	0	0	0	0	7	63.6	0	0	0	0
Dhubri	7	5	71.4	0	0	0	0	2	28.6	0	0	0	0
Dibrugarh	5	0	0	0	0	0	0	5	100	0	0	0	0
East Karbi Anglong	7	1	14.3	0	0	1	14.3	4	57.1	1	14.3	0	0
Goalpara	13	1	7.7	0	0	0	0	7	53.8	5	38.5	0	0
Golaghat	3	0	0	0	0	0	0	3	100	0	0	0	0
Hailakandi	7	0	0	0	0	0	0	6	85.7	0	0	1	14.3
Hojai	2	0	0	0	0	0	0	0	0	1	50	1	50
Jorhat	5	1	20	0	0	0	0	4	80	0	0	0	0
Kamrup	8	3	37.5	0	0	0	0	3	37.5	1	12.5	1	12.5
Kamrup Metro	8	1	12.5	0	0	0	0	6	75	1	12.5	0	0
Karbi Anglong	18	0	0	1	5.6	0	0	12	66.7	4	22.2	1	5.6
Karimganj	9	2	22.2	0	0	0	0	7	77.8	0	0	0	0
Kokrajhar	1	1	100	0	0	0	0	0	0	0	0	0	0
Lakhimpur	18	1	5.6	0	0	0	0	17	94.4	0	0	0	0
Morigaon	10	0	0	0	0	0	0	4	40	5	50	1	10
Nagaon	15	1	6.7	0	0	0	0	9	60	5	33.3	0	0

District	Number of Station Analysed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
Nalbari	2	2	100	0	0	0	0	0	0	0	0	0	0
Sibsagar	2	1	50	0	0	0	0	1	50	0	0	0	0
Sonitpur	11	0	0	0	0	0	0	11	100	0	0	0	0
Tinsukia	8	2	25	0	0	0	0	6	75	0	0	0	0
Udalguri	6	6	100	0	0	0	0	0	0	0	0	0	0
Total	211	37	17.5	1	0.5	1	0.5	142	67.3	24	11.4	6	2.8
Meghalaya													
East Garo Hills	9	1	11.1	0	0	0	0	7	77.8	1	11.1	0	0
East Jaintia Hills	1	0	0	0	0	0	0	1	100	0	0	0	0
East Khasi Hills	8	0	0	0	0	0	0	7	87.5	0	0	1	12.5
North Garo Hills	3	0	0	0	0	0	0	2	66.7	1	33.3	0	0
Ri-Bhoi	13	2	15.4	0	0	0	0	9	69.2	2	15.4	0	0
South West Garo Hills	4	0	0	0	0	0	0	2	50	2	50	0	0
West Garo Hills	10	0	0	0	0	0	0	8	80	2	20	0	0
West Jaintia Hills	3	2	66.7	0	0	0	0	1	33.3	0	0	0	0
West Khasi Hills	1	1	100	0	0	0	0	0	0	0	0	0	0
Total	52	6	11.5	0	0	0	0	37	71.2	8	15.4	1	1.9
Nagaland													
Dimapur	6	1	16.7	0	0	1	16.7	1	16.7	2	33.3	1	16.7
Total	6	1	16.7	0	0	1	16.7	1	16.7	2	33.2	1	16.7
Tripura													
Dhalai	14	5	35.7	0	0	0	0	9	64.3	0	0	0	0
Gomati	8	4	50	2	25	0	0	2	25	0	0	0	0
Khowai	8	2	25	0	0	0	0	6	75	0	0	0	0
North Tripura	19	7	36.8	0	0	0	0	11	57.9	1	5.3	0	0
Sipahijala	7	1	14.3	0	0	0	0	6	85.7	0	0	0	0
South Tripura	17	5	29.4	1	5.9	0	0	11	64.7	0	0	0	0
Unakoti	10	1	10	1	10	0	0	8	80	0	0	0	0
West Tripura	11	2	18.2	0	0	0	0	8	72.7	0	0	1	9.1
Total	94	27	28.7	4	4.3	0	0	61	64.8	1	1.1	1	1.1
Grand Total	383	79	20.6	8	2.1	3	0.8	249	65	35	9.1	9	2.4

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

District	Number of Station Analyzed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
Arunachal Pradesh													
East Siang	6	0	0	0	0	0	0	3	50	2	33.3	1	16.7
Lohit	1	1	100	0	0	0	0	0	0	0	0	0	0
Lower Subansiri	2	0	0	0	0	0	0	1	50	0	0	1	50
Papumpare	7	2	28.6	0	0	0	0	2	28.6	3	42.9	0	0
Tirap	3	0	0	0	0	0	0	2	66.7	1	33.3	0	0
Total	19	3	15.8	0	0	0	0	8	42.1	6	31.6	2	10.5
Assam													
Baksa	2	2	100	0	0	0	0	0	0	0	0	0	0
Barpeta	4	2	50	0	0	0	0	2	50	0	0	0	0
Biswanath	7	4	57.1	0	0	0	0	3	42.9	0	0	0	0
Bongaigaon	10	6	60	0	0	0	0	4	40	0	0	0	0
Cachar	19	10	52.6	6	31.6	1	5.3	2	10.5	0	0	0	0
Chirang	1	0	0	0	0	0	0	1	100	0	0	0	0
Darrang	3	1	33.3	0	0	0	0	2	66.7	0	0	0	0
Dhemaji	8	1	12.5	0	0	0	0	7	87.5	0	0	0	0
Dhubri	9	4	44.4	1	11.1	0	0	3	33.3	0	0	1	11.1
Dibrugarh	5	5	100	0	0	0	0	0	0	0	0	0	0
East Karbi Anglong	5	1	20	0	0	0	0	3	60	0	0	1	20
Goalpara	12	11	91.7	0	0	0	0	1	8.3	0	0	0	0
Golaghat	3	1	33.3	1	33.3	0	0	1	33.3	0	0	0	0
Hailakandi	7	6	85.7	0	0	1	14.3	0	0	0	0	0	0
Hojai	2	0	0	1	50	0	0	1	50	0	0	0	0
Jorhat	4	4	100	0	0	0	0	0	0	0	0	0	0
Kamrup	10	5	50	2	20	0	0	3	30	0	0	0	0
Kamrup Metro	5	3	60	0	0	0	0	2	40	0	0	0	0
Karbi Anglong	20	6	30	2	10	5	25	4	20	3	15	0	0
Karimganj	9	8	88.9	0	0	0	0	1	11.1	0	0	0	0
Kokrajhar	2	2	100	0	0	0	0	0	0	0	0	0	0
Lakhimpur	15	5	33.3	0	0	0	0	10	66.7	0	0	0	0
Morigaon	5	3	60	2	40	0	0	0	0	0	0	0	0
Nagaon	9	6	66.7	1	11.1	0	0	2	22.2	0	0	0	0
Nalbari	2	1	50	0	0	0	0	1	50	0	0	0	0
Sibsagar	3	1	33.3	0	0	0	0	2	66.7	0	0	0	0

District	Number of Station Analyzed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
Sonitpur	12	8	66.7	0	0	0	0	4	33.3	0	0	0	0
Tinsukia	7	4	57.1	1	14.3	1	14.3	1	14.3	0	0	0	0
Udalguri	6	2	33.3	0	0	0	0	4	66.7	0	0	0	0
Total	206	112	54.4	17	8.3	8	3.9	64	31.0	3	1.5	2	0.9
Meghalaya													
East Garo Hills	9	9	100	0	0	0	0	0	0	0	0	0	0
East Khasi Hills	8	2	25	0	0	0	0	6	75	0	0	0	0
North Garo Hills	3	3	100	0	0	0	0	0	0	0	0	0	0
Ri-Bhoi	14	11	78.6	1	7.1	0	0	2	14.3	0	0	0	0
South West Garo Hills	4	4	100	0	0	0	0	0	0	0	0	0	0
West Garo Hills	11	11	100	0	0	0	0	0	0	0	0	0	0
West Jaintia Hills	2	0	0	0	0	0	0	2	100	0	0	0	0
West Khasi Hills	1	0	0	0	0	0	0	1	100	0	0	0	0
Total	52	40	76.9	1	1.9	0	0.0	11	21.2	0	0.00	0	0.00
Nagaland													
Dimapur	6	3	50	1	16.7	0	0	1	16.7	0	0	1	16.7
Total	6	3	50	1	16.7	0	0	1	16.7	0	0	1	16.7
Tripura													
Dhalai	7	2	28.6	0	0	0	0	5	71.4	0	0	0	0
Gomati	6	5	83.3	0	0	0	0	1	16.7	0	0	0	0
Khowai	7	4	57.1	0	0	0	0	3	42.9	0	0	0	0
North Tripura	14	10	71.4	0	0	0	0	4	28.6	0	0	0	0
Sipahijala	5	5	100	0	0	0	0	0	0	0	0	0	0
South Tripura	19	12	63.2	2	10.5	0	0	5	26.3	0	0	0	0
Unakoti	8	6	75	0	0	0	0	1	12.5	1	12.5	0	0
West Tripura	6	5	83.3	0	0	0	0	1	16.7	0	0	0	0
Total	72	49	68.1	2	2.8	0	0	20	27.8	1	1.3	0	0.00
Grand Total	355	207	58.3	21	5.9	8	2.3	104	29.3	10	2.8	5	1.4

Annexure XI

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

District	Number of Station Analyzed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
ARUNACHAL PRADESH													
Changlang	4	0	0	1	25	0	0	3	75	0	0	0	0
East Siang	6	0	0	0	0	0	0	4	66.7	2	33.3	0	0
Lohit	1	0	0	0	0	0	0	1	100	0	0	0	0
Lower Subansiri	2	0	0	0	0	0	0	1	50	0	0	1	50
Papumpare	7	5	71.4	0	0	0	0	2	28.6	0	0	0	0
Tirap	3	0	0	0	0	0	0	2	66.7	1	33.3	0	0
Total	23	5	21.7	1	4.4	0	0	13	56.5	3	13.0	1	4.4
ASSAM													
Baksa	1	1	100	0	0	0	0	0	0	0	0	0	0
Biswanath	6	3	50	1	16.7	0	0	1	16.7	1	16.7	0	0
Bongaigaon	7	3	42.9	1	14.3	1	14.3	2	28.6	0	0	0	0
Cachar	19	10	52.6	5	26.3	1	5.3	3	15.8	0	0	0	0
Darrang	5	2	40	0	0	0	0	3	60	0	0	0	0
Dhemaji	9	5	55.6	0	0	0	0	4	44.4	0	0	0	0
Dhubri	7	5	71.4	0	0	0	0	2	28.6	0	0	0	0
Dibrugarh	6	6	100	0	0	0	0	0	0	0	0	0	0
East Karbi Anglong	4	0	0	0	0	0	0	4	100	0	0	0	0
Goalpara	14	9	64.3	0	0	0	0	5	35.7	0	0	0	0
Golaghat	7	3	42.9	0	0	0	0	4	57.1	0	0	0	0
Hailakandi	7	5	71.4	0	0	1	14.3	1	14.3	0	0	0	0
Hojai	2	2	100	0	0	0	0	0	0	0	0	0	0
Jorhat	11	1	9.1	0	0	0	0	10	90.9	0	0	0	0
Kamrup	12	7	58.3	0	0	0	0	5	41.7	0	0	0	0
Kamrup Metro	5	2	40	0	0	0	0	3	60	0	0	0	0
Karbi Anglong	19	3	15.8	0	0	0	0	15	78.9	1	5.3	0	0
Karimganj	9	4	44.4	1	11.1	0	0	4	44.4	0	0	0	0
Lakhimpur	15	13	86.7	0	0	0	0	2	13.3	0	0	0	0
Morigaon	7	1	14.3	0	0	0	0	6	85.7	0	0	0	0
Nagaon	15	1	6.7	0	0	0	0	13	86.7	1	6.7	0	0
Nalbari	3	3	100	0	0	0	0	0	0	0	0	0	0
Sibsagar	4	0	0	0	0	0	0	4	100	0	0	0	0
Sonitpur	12	11	91.7	0	0	0	0	1	8.3	0	0	0	0
Tinsukia	10	6	60	2	20	0	0	2	20	0	0	0	0
Udalguri	9	5	55.6	0	0	0	0	4	44.4	0	0	0	0
Total	225	111	49.3	10	4.5	3	1.3	98	43.6	3	1.3	0	0
MEGHALAYA													
East Garo Hills	10	3	30	0	0	0	0	7	70	0	0	0	0
East Khasi Hills	8	4	50	0	0	0	0	4	50	0	0	0	0
North Garo Hills	5	1	20	0	0	0	0	4	80	0	0	0	0
Ri-Bhoi	14	8	57.1	0	0	1	7.1	5	35.7	0	0	0	0
South West Garo Hills	5	3	60	0	0	0	0	2	40	0	0	0	0
West Garo Hills	13	8	61.5	1	7.7	0	0	4	30.8	0	0	0	0

District	Number of Station Analyzed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
West Jaintia Hills	2	1	50	0	0	0	0	1	50	0	0	0	0
West Khasi Hills	1	0	0	0	0	0	0	1	100	0	0	0	0
Total	58	28	48.3	1	1.7	1	1.7	28	48.3	0	0.00	0	0
NAGALAND													
Dimapur	10	1	10	0	0	0	0	9	90	0	0	0	0
Total	10	1	10	0	0	0	0	9	90	0	0	0	0
TRIPURA													
Dhalai	8	2	25	0	0	1	12.5	5	62.5	0	0	0	0
Gomati	9	7	77.8	0	0	0	0	2	22.2	0	0	0	0
Khowai	8	7	87.5	0	0	0	0	1	12.5	0	0	0	0
North Tripura	14	7	50	1	7.1	0	0	6	42.9	0	0	0	0
Sipahijala	7	3	42.9	2	28.6	0	0	2	28.6	0	0	0	0
South Tripura	15	13	86.7	1	6.7	0	0	1	6.7	0	0	0	0
Unakoti	8	3	37.5	0	0	0	0	5	62.5	0	0	0	0
West Tripura	9	4	44.4	1	11.1	1	11.1	3	33.3	0	0	0	0
Total	78	46	58.9	5	6.4	2	2.6	25	32.1	0	0.00	0	0
Grand Total	394	191	48.5	17	4.3	6	1.5	173	43.9	6	1.5	1	0.3

Annexure XII

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

District	Number of Station Analysed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
ARUNACHAL PRADESH													
Changlang	4	0	0	0	0	0	0	4	100	0	0	0	0
East Siang	4	1	25	0	0	0	0	3	75	0	0	0	0
Lohit	1	1	100	0	0	0	0	0	0	0	0	0	0
Lower Subansiri	2	0	0	0	0	0	0	2	100	0	0	0	0
Papumpare	8	3	37.5	0	0	0	0	5	62.5	0	0	0	0
Tirap	3	0	0	0	0	0	0	3	100	0	0	0	0
Total	22	5	22.7	0	0	0	0	17	77.3	0	0	0	0
ASSAM													
Baksa	1	1	100	0	0	0	0	0	0	0	0	0	0
Biswanath	8	3	37.5	0	0	0	0	5	62.5	0	0	0	0
Bongaigaon	6	5	83.3	0	0	0	0	1	16.7	0	0	0	0
Cachar	18	10	55.6	0	0	0	0	8	44.4	0	0	0	0
Darrang	5	3	60	0	0	0	0	2	40	0	0	0	0
Dhemaji	9	6	66.7	0	0	0	0	3	33.3	0	0	0	0
Dhubri	7	4	57.1	0	0	0	0	3	42.9	0	0	0	0
Dibrugarh	5	4	80	0	0	0	0	1	20	0	0	0	0
East Karbi Anglong	5	3	60	0	0	0	0	1	20	1	20	0	0
Goalpara	13	7	53.8	0	0	0	0	6	46.2	0	0	0	0
Golaghat	6	1	16.7	0	0	0	0	4	66.7	1	16.7	0	0
Hailakandi	7	4	57.1	0	0	0	0	3	42.9	0	0	0	0
Hojai	3	0	0	0	0	0	0	2	66.7	1	33.3	0	0
Jorhat	9	0	0	0	0	0	0	9	100	0	0	0	0
Kamrup	10	4	40	0	0	0	0	6	60	0	0	0	0
Kamrup Metro	6	4	66.7	0	0	0	0	2	33.3	0	0	0	0
Karbi Anglong	19	2	10.5	0	0	0	0	16	84.2	1	5.3	0	0
Karimganj	9	2	22.2	1	11.1	0	0	6	66.7	0	0	0	0
Lakhimpur	17	11	64.7	0	0	0	0	6	35.3	0	0	0	0
Morigaon	13	8	61.5	1	7.7	0	0	4	30.8	0	0	0	0
Nagaon	19	11	57.9	2	10.5	0	0	5	26.3	1	5.3	0	0

District	Number of Station Analysed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
Nalbari	3	3	100	0	0	0	0	0	0	0	0	0	0
Sibsagar	4	0	0	0	0	0	0	3	75	1	25	0	0
Sonitpur	10	0	0	0	0	0	0	10	100	0	0	0	0
Tinsukia	10	2	20	1	10	0	0	6	60	1	10	0	0
Udalguri	9	8	88.9	1	11.1	0	0	0	0	0	0	0	0
Total	232	106	45.7	6	2.6	0	0.00	113	48.7	7	3.0	0	0.00
MEGHALAYA													
East Garo Hills	10	6	60	0	0	0	0	4	40	0	0	0	0
East Khasi Hills	8	4	50	0	0	0	0	4	50	0	0	0	0
North Garo Hills	5	4	80	0	0	0	0	1	20	0	0	0	0
Ri-Bhoi	14	3	21.4	0	0	1	7.1	9	64.3	1	7.1	0	0
South West Garo Hills	5	3	60	0	0	0	0	1	20	1	20	0	0
West Garo Hills	13	8	61.5	1	7.7	1	7.7	3	23.1	0	0	0	0
West Jaintia Hills	2	0	0	0	0	0	0	2	100	0	0	0	0
West Khasi Hills	1	0	0	0	0	0	0	1	100	0	0	0	0
Total	58	28	48.3	1	1.7	2	3.5	25	43.1	2	3.4	0	0.00
NAGALAND													
Dimapur	11	2	18.2	2	18.2	0	0	6	54.5	0	0	1	9.1
Total	11	2	18.2	2	18.2	0	0	6	54.5	0	0	1	9.1
TRIPURA													
Dhalai	8	7	87.5	1	12.5	0	0	0	0	0	0	0	0
Gomti	8	5	62.5	0	0	0	0	3	37.5	0	0	0	0
Khowai	8	6	75	0	0	0	0	2	25	0	0	0	0
North Tripura	14	5	35.7	0	0	0	0	9	64.3	0	0	0	0
Sipahijala	6	4	66.7	0	0	0	0	2	33.3	0	0	0	0
South Tripura	17	11	64.7	2	11.8	0	0	4	23.5	0	0	0	0
Unakoti	9	5	55.6	1	11.1	0	0	3	33.3	0	0	0	0
West Tripura	8	4	50	0	0	1	12.5	3	37.5	0	0	0	0
Total	78	47	60.3	4	5.1	1	1.3	26	33.3	0	0	0	0
Grand Total	401	188	46.9	13	3.2	3	0.7	187	46.7	9	2.2	1	0.3

Annexure XIII

Districtwise Categorisation of Water Level Fluctuation (Jan-19 to Jan-20)

District	Number of Station Analysed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
Arunachal Pradesh													
Changlang	4	2	50	0	0	0	0	2	50	0	0	0	0
East Siang	3	3	100	0	0	0	0	0	0	0	0	0	0
Lohit	1	0	0	0	0	0	0	1	100	0	0	0	0
Lower Subansiri	2	0	0	0	0	0	0	2	100	0	0	0	0
Papumpare	8	2	25	0	0	0	0	6	75	0	0	0	0
Tirap	3	1	33.3	0	0	0	0	2	66.7	0	0	0	0
Total	21	8	38.1	0	0	0	0	13	61.9	0	0	0	0
Assam													
Baksa	1	0	0	0	0	0	0	1	100	0	0	0	0
Barpeta	2	1	50	0	0	0	0	1	50	0	0	0	0
Biswanath	9	3	33.3	0	0	0	0	5	55.6	0	0	1	11.1
Bongaigaon	6	2	33.3	0	0	0	0	4	66.7	0	0	0	0
Cachar	16	6	37.5	0	0	0	0	10	62.5	0	0	0	0
Darrang	3	1	33.3	0	0	0	0	2	66.7	0	0	0	0
Dhemaji	12	12	100	0	0	0	0	0	0	0	0	0	0
Dhubri	7	3	42.9	0	0	0	0	4	57.1	0	0	0	0
Dibrugarh	6	3	50	0	0	0	0	3	50	0	0	0	0
East Karbi Anglong	5	1	20	0	0	1	20	2	40	1	20	0	0
Goalpara	14	4	28.6	0	0	0	0	10	71.4	0	0	0	0
Golaghat	6	3	50	0	0	0	0	3	50	0	0	0	0
Hailakandi	7	1	14.3	0	0	0	0	5	71.4	0	0	1	14.3
Hojai	4	2	50	0	0	0	0	2	50	0	0	0	0
Jorhat	11	0	0	0	0	0	0	11	100	0	0	0	0
Kamrup	12	5	41.7	1	8.3	0	0	6	50	0	0	0	0
Kamrup Metro	8	3	37.5	0	0	0	0	5	62.5	0	0	0	0
Karbi Anglong	20	2	10	2	10	0	0	14	70	1	5	1	5
Karimganj	9	1	11.1	1	11.1	0	0	7	77.8	0	0	0	0
Kokrajhar	1	1	100	0	0	0	0	0	0	0	0	0	0
Lakhimpur	18	5	27.8	0	0	0	0	13	72.2	0	0	0	0
Morigaon	15	7	46.7	0	0	1	6.7	7	46.7	0	0	0	0
Nagaon	23	5	21.7	0	0	0	0	18	78.3	0	0	0	0
Nalbari	3	0	0	0	0	0	0	3	100	0	0	0	0

District	Number of Station Analysed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
Sibsagar	4	1	25	1	25	0	0	1	25	1	25	0	0
Sonitpur	11	2	18.2	0	0	0	0	9	81.8	0	0	0	0
Tinsukia	10	4	40	0	0	0	0	6	60	0	0	0	0
Udalguri	7	6	85.7	1	14.3	0	0	0	0	0	0	0	0
Total	250	84	33.6	6	2.4	2	0.8	152	60.8	3	1.2	3	1.2
Meghalaya													
East Garo Hills	10	3	30	1	10	0	0	6	60	0	0	0	0
East Khasi Hills	6	2	33.3	0	0	0	0	3	50	1	16.7	0	0
North Garo Hills	5	2	40	0	0	0	0	3	60	0	0	0	0
Ri-Bhoi	13	2	15.4	0	0	0	0	10	76.9	1	7.7	0	0
South West Garo Hills	5	1	20	0	0	0	0	4	80	0	0	0	0
West Garo Hills	13	5	38.5	0	0	0	0	8	61.5	0	0	0	0
West Jaintia Hills	2	0	0	0	0	0	0	2	100	0	0	0	0
West Khasi Hills	1	1	100	0	0	0	0	0	0	0	0	0	0
Total	55	16	29.1	1	1.8	0	0	36	65.5	2	3.6	0	0
NAGALAND													
Dimapur	11	1	9.1	1	9.1	1	9.1	6	54.5	0	0	2	18.2
Total	11	1	9.1	1	9.1	1	9.1	6	54.5	0	0	2	18.2
TRIPURA													
Dhalai	8	6	75	0	0	0	0	2	25	0	0	0	0
Gomati	9	2	22.2	0	0	0	0	7	77.8	0	0	0	0
Khowai	8	3	37.5	0	0	0	0	5	62.5	0	0	0	0
North Tripura	15	2	13.3	0	0	0	0	13	86.7	0	0	0	0
Sipahijala	7	0	0	0	0	0	0	7	100	0	0	0	0
South Tripura	15	4	26.7	0	0	0	0	10	66.7	1	6.7	0	0
Unakoti	9	2	22.2	0	0	0	0	7	77.8	0	0	0	0
West Tripura	10	2	20	1	10	0	0	5	50	1	10	1	10
Total	81	21	25.9	1	1.2	0	0	56	69.2	2	2.5	1	1.2
Grand Total	418	130	31.1	9	2.2	3	0.7	263	62.9	7	1.7	6	1.4

Districtwise Categorisation of Water Level Fluctuation

10 Yrs. Mean (March –2009 -March- 2018) - March - 2019

District Analysed	Station Min	Range in m		Rise								Fall						
		Rise Max	Min	Fall		Number of								- 2 (m)		2- 4(m)		>4(m)
				Max	No	0 - 2(m) %	2 No	- 4 (m) %	>4 (m)0 No	%	No	%	No	%				
12	3	4	5	7	8	10	11	12	13	14	15	16	17	18	19	20		
ARUNACHAL PRADESH																		
East Siang	2	3.60	3.82				0	0.0	2	100.	0	0.0	0	0.0	0	0.0	0	0.0
Lohit	1			0.54	0.54		0	0.0	0	0.0	0	0.0	1	100.	0	0.0	0	0.0
Papumpare	7	0.16	2.56	0.97	0.97		4	57.1	2	28.6	0	0.0	1	14.3	0	0.0	0	0.0
Tirap	3	2.24	6.56				0	0.0	2	66.7	1	33.3	0	0.0	0	0.0	0	0.0
Total	13						4	30.8	6	46.2	1	7.6	2	15.4	0	0.0	0	0.0
ASSAM																		
Baksa	2			0.36	0.39		0	0.0	0	0.0	0	0.0	2	100.	0	0.0	0	0.0
Barpeta	3	0.13	0.36	0.29	0.29		2	66.7	0	0.0	0	0.0	1	33.3	0	0.0	0	0.0
Biswanath	7	0.15	1.08	0.00	4.74		4	57.1	0	0.0	0	0.0	2	28.6	0	0.0	1	14.3
Bongaigaon	10	0.14	4.53	0.05	0.58		3	30.0	1	10.0	1	10.0	5	50.0	0	0.0	0	0.0
Cachar	12	0.13	4.41	0.15	2.47		6	50.0	0	0.0	1	8.3	4	33.3	1	8.3	0	0.0
Chirang	1	0.38	0.38				1	100.	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Darrang	3	0.63	1.01	0.14	0.14		2	66.7	0	0.0	0	0.0	1	33.3	0	0.0	0	0.0
Dhemaji	7	0.05	1.00	0.35	0.35		6	85.7	0	0.0	0	0.0	1	14.3	0	0.0	0	0.0
Dhubri	7	0.15	2.18	0.08	0.27		2	28.6	1	14.3	0	0.0	4	57.1	0	0.0	0	0.0
Dibrugarh	4	0.01	0.12	0.06	0.46		2	50.0	0	0.0	0	0.0	2	50.0	0	0.0	0	0.0
East Karbi Anglong	4	0.17	3.11				3	75.0	1	25.0	0	0.0	0	0.0	0	0.0	0	0.0
Goalpara	11			0.42	1.26		0	0.0	0	0.0	0	0.0	11	100.	0	0.0	0	0.0
Golaghat	1	0.68	0.68				1	100.	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hailakandi	3	0.25	1.21	3.88	3.88		2	66.7	0	0.0	0	0.0	0	0.0	1	33.3	0	0.0
Hojai	2	0.95	0.95	2.47	2.47		1	50.0	0	0.0	0	0.0	0	0.0	1	50.0	0	0.0
Jorhat	2	0.76	0.84				2	100.	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Kamrup	7	0.00	0.41	0.83		1.18	4	57.1	0	0.0	0	0.0	0	0.0	3	42.9	0	0.0

	12	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
Kamrup Metro	3		0.16	0.16	0.11	0.49		1	33.3	0	0.0	0	0.0	2	66.7	0	0.0	0	0.0
Karbi Anglong	14		0.25	2.79	0.94	7.10		4	28.6	2	14.3	0	0.0	6	42.8	0	0.0	2	14.3
Karimganj	5		0.08	1.59	0.44	0.44		4	80.0	0	0.0	0	0.0	1	20.0	0	0.0	0	0.0
Kokrajhar	2		0.28	0.28	0.19	0.19		1	50.0	0	0.0	0	0.0	1	50.0	0	0.0	0	0.0
Lakhimpur	14		0.00	1.14	0.02	0.09		11	78.6	0	0.0	0	0.0	3	21.4	0	0.0	0	0.0
Morigaon	3				0.35	2.89		0	0.0	0	0.0	0	0.0	2	66.7	1	33.3	0	0.0
Nagaon	12		0.02	1.88	0.12	2.26		3	25.0	0	0.0	0	0.0	8	66.7	1	8.3	0	0.0
Nalbari	2		0.21	0.88				2	100.	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Sibsagar	2		1.26	1.40				2	100.	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Sonitpur	10		0.02	1.89	0.06	0.48		5	50.0	0	0.0	0	0.0	5	50.0	0	0.0	0	0.0
Tinsukia	7		0.13	1.68	0.12	1.81		5	71.4	0	0.0	0	0.0	2	28.6	0	0.0	0	0.0
Udalguri	7		0.01	3.02	0.02	0.16		3	42.9	1	14.3	0	0.0	3	42.9	0	0.0	0	0.0
Total	167							82	49.1	6	3.6	2	1.2	69	41.3	5	3.0	3	1.8
<u>MEGHALAYA</u>																			
East Garo Hills	5				0.38	2.18		0	0.0	0	0.0	0	0.0	4	80.0	1	20.0	0	0.0
East Khasi Hills	1				0.41	0.41		0	0.0	0	0.0	0	0.0	1	100.	0	0.0	0	0.0
North Garo Hills	3				1.08	1.46		0	0.0	0	0.0	0	0.0	3	100.	0	0.0	0	0.0
Ri-Bhoi	2				0.36	0.90		0	0.0	0	0.0	0	0.0	2	100.	0	0.0	0	0.0
South West Garo Hills	2				0.28	2.20		0	0.0	0	0.0	0	0.0	1	50.0	1	50.0	0	0.0
West Garo Hills	8		0.00	0.97	0.22	1.70		2	25.0	0	0.0	0	0.0	6	75.0	0	0.0	0	0.0
West Jaintia Hills	2		0.20	1.09				2	100.	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total	23				4	17.4.		4	17.4.	0	0.0	0	0.0	17	73.9	2	8.7	0	0.0
<u>NAGALAND</u>																			
Dimapur	2		0.87	9.31				1	50.0	0	0.0	1	50.0	0	0.0	0	0.0	0	0.0
<u>TRIPURA</u>																			
Dhalai	3		0.40	0.60	0.17	0.17		2	66.7	0	0.0	0	0.0	1	33.3	0	0.0	0	0.0
Gomati	2		0.64	0.96				2	100.	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Khowai	2		0.14	0.17				2	100.	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Sipahijala	2		0.23	0.36				2	100.	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
North Tripura	3		0.20	0.23				3	100.	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
South Tripura	3		0.61	0.61	0.05	0.30		1	33.3	0	0.0	0	0.0	2	66.7	0	0.0	0	0.0
Unakoti	3		0.15	3.71				2	66.7	1	33.3	0	0.0	0	0.0	0	0.0	0	0.0
West Tripura	7		0.13	2.50	0.30	0.30		5	71.4	1	14.3	0	0.0	1	14.3	0	0.0	0	0.0
Total	25							19	76.0	2	8.0	0	0.0	4	16.0	0	0.0	0	0.0
Grand Total	230							110	47.8	14	6.1	4	1.7	92	40.0	7	3.0	3	1.3

Districtwise Categorisation of Water Level Fluctuation

10 Yrs. Mean (August –2009 -August- 2018) - August - 2019

District		Range in m			Rise				Fall								
		Station	Rise	Fall	Number of		Number of		Number of		Number of						
Analysed	Min	Max	Min	Max	No	0 - 2(m) %	2	- 4 (m) %	>4 (m)0 %	- 2 (m) %	2- 4(m) %	>4(m) %	No	No	No	No	No
1	2	3	4	5	7	8	10	11	12	13	14	15	16	17	18	19	20
<u>ARUNACHAL PRADESH</u>																	
Changlang	4	0.21	0.21	0.25	2.59	1	25.0	0	0.0	0	0.0	2	50.0	1	25.0	0	0.0
East Siang	3	0.05	0.76			3	100.	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Lohit	1			1.54	1.54	0	0.0	0	0.0	0	0.0	1	100.	0	0.0	0	0.0
Papumpare	6	0.06	0.40	0.06	0.69	2	33.3	0	0.0	0	0.0	4	66.7	0	0.0	0	0.0
Tirap	3	1.72	1.72	0.31	0.49	1	33.3	0	0.0	0	0.0	2	66.7	0	0.0	0	0.0
<u>ASSAM</u>																	
Biswanath	4	0.32	0.32	0.29	1.11	1	25.0	0	0.0	0	0.0	3	75.0	0	0.0	0	0.0
Bongaigaon	7			0.01	2.32	0	0.0	0	0.0	0	0.0	5	71.4	2	28.6	0	0.0
Cachar	9	0.55	0.55	0.25	4.80	1	11.1	0	0.0	0	0.0	5	55.6	2	22.2	1	11.1
Darrang	4	0.42	0.42	0.02	1.96	1	25.0	0	0.0	0	0.0	3	75.0	0	0.0	0	0.0
Dhemaji	8	0.02	0.26	0.10	0.68	3	37.5	0	0.0	0	0.0	5	62.5	0	0.0	0	0.0
Dhubri	7	0.03	0.17	0.44	1.39	2	28.6	0	0.0	0	0.0	5	71.4	0	0.0	0	0.0
Dibrugarh	5			0.19	1.40	0	0.0	0	0.0	0	0.0	5	100.	0	0.0	0	0.0
East Karbi Anglong	3	0.81	1.38			3	100.	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Goalpara	10	0.20	0.52	0.02	0.22	5	50.0	0	0.0	0	0.0	5	50.0	0	0.0	0	0.0
Golaghat	3	0.10	0.54	1.14	1.14	2	66.7	0	0.0	0	0.0	1	33.3	0	0.0	0	0.0
Hailakandi	2	0.11	0.11	4.69	4.69	1	50.0	0	0.0	0	0.0	0	0.0	0	0.0	1	50.0
Hojai				2	2.50	2.80	00.0	2100.0	00.0	00.0	00.0	00.0	00.0				
Jorhat	6	0.14	1.06	0.31	0.31	5	83.3	0	0.0	0	0.0	1	16.7	0	0.0	0	0.0
Kamrup	7	0.31	1.08	0.01	1.85	2	28.6	0	0.0	0	0.0	5	71.4	0	0.0	0	0.0
Kamrup Metro	5	0.06	1.00			5	100.	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Karbi Anglong	9	0.77	2.15	0.62	4.64	5	55.6	1	11.1	0	0.0	1	11.1	0	0.0	2	22.2
Karimganj	5	0.24	0.52	0.09	0.71	3	60.0	0	0.0	0	0.0	2	40.0	0	0.0	0	0.0
Kokrajhar	1			0.03	0.03	0	0.0	0	0.0	0	0.0	1	100.	0	0.0	0	0.0

	1	2	3	4	5	7	8	10	11	12	13	14	15	16	17	18	19	20	
Lakhimpur	12		0.25	0.38	0.03	1.55	2	16.7	0	0.0	0	0.0	10	83.3	0	0.0	0	0.0	
Morigaon	5		0.30	1.81	0.10	0.99	3	60.0	0	0.0	0	0.0	2	40.0	0	0.0	0	0.0	
Nagaon	19		0.27	1.97	0.03	0.23	16	84.2	0	0.0	0	0.0	3	15.8	0	0.0	0	0.0	
Nalbari	1				0.61	0.61	0	0.0	0	0.0	0	0.0	1	100.	0	0.0	0	0.0	
Sibsagar	4		0.18	1.10	0.22	0.22	3	75.0	0	0.0	0	0.0	1	25.0	0	0.0	0	0.0	
Sonitpur	11			0.11	0.13	0.29	1.65	218.2	0		0.0	00.0	981.8	0		0.0	00.0		
Tinsukia	10		0.20	2.14	0.29	1.66	4	40.0	1	10.0	0	0.0	5	50.0	0	0.0	0	0.0	
Udalguri	8		0.11	1.12	0.09	1.51	2	25.0	0	0.0	0	0.0	6	75.0	0	0.0	0	0.0	
Total	8		0.11	1.12	0.09	1.51	2	25.0	0	0.0	0	0.0	6	75.0	0	0.0	0	0.0	
<u>MEGHALAYA</u>																			
East Garo Hills	4		0.16	0.16	0.28	0.94	1	25.0	0	0.0	0	0.0	3	75.0	0	0.0	0	0.0	
East Khasi Hills	1				0.22	0.22	0	0.0	0	0.0	0	0.0	1	100.	0	0.0	0	0.0	
North Garo Hills	4		0.07	0.48	0.03	0.66	2	50.0	0	0.0	0	0.0	2	50.0	0	0.0	0	0.0	
Ri-Bhoi	2				0.36	1.01	0	0.0	0	0.0	0	0.0	2	100.	0	0.0	0	0.0	
South West Garo Hills	2		0.98	0.98	0.56	0.56	1	50.0	0	0.0	0	0.0	1	50.0	0	0.0	0	0.0	
West Garo Hills	5		0.03	2.81	0.44	0.44	3	60.0	1	20.0	0	0.0	1	20.0	0	0.0	0	0.0	
West Jaintia Hills	2		0.12	0.59			2	100.	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
<u>NAGALAND</u>																			
Dimapur	3		0.52	1.93			3	100.	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
<u>TRIPURA</u>																			
Dhalai	4		0.07	0.60	5.25	5.25	3	75.0	0	0.0	0	0.0	0	0.0	0	0.0	1	25.0	
Gomti	5		0.38	0.38	0.43	1.13	1	20.0	0	0.0	0	0.0	4	80.0	0	0.0	0	0.0	
Khowai	3		0.11	1.37	0.22	0.22	2	66.7	0	0.0	0	0.0	1	33.3	0	0.0	0	0.0	
North Tripura	4		0.11	0.87	0.12	0.12	3	75.0	0	0.0	0	0.0	1	25.0	0	0.0	0	0.0	
Sipahijala	3				1.15	1.24	0	0.0	0	0.0	0	0.0	3	100.	0	0.0	0	0.0	
South Tripura	3		0.25	0.25	0.23	0.50	1	33.3	0	0.0	0	0.0	2	66.7	0	0.0	0	0.0	
Unakoti	4		0.42	0.81	0.73	0.73	3	75.0	0	0.0	0	0.0	1	25.0	0	0.0	0	0.0	
West Tripura	8		0.18	2.59	0.03	1.07	3	37.5	1	12.5	0	0.0	4	50.0	0	0.0	0	0.0	
Grand Total	241						106	44.0	6	2.5	0	0.0	119	49.4	5	2.1	5	2.1	

Districtwise Categorisation of Water Level Fluctuation

10 Yrs. Mean (Nov –1999 -Nov- 2008) - November - 2009

District Analysed	Station Min	Range in m				Rise						Fall					
		Rise		Fall		Number of		- 4 (m)		>4 (m)		- 2 (m)		2- 4(m)		>4(m)	
1	2	3	4	5	7	8	10	11	12	13	14	15	16	17	18	19	20
ARUNACHAL PRADESH																	
Changlang	4	0.71	0.97	0.14	0.90	2	50.0	0	0.0	0	0.0	2	50.0	0	0.0	0	0.0
East Siang	2	0.02	0.02	0.36	0.36	1	50.0	0	0.0	0	0.0	1	50.0	0	0.0	0	0.0
Lohit	1			1.54	1.54	0	0.0	0	0.0	0	0.0	1	100.	0	0.0	0	0.0
Papumpare	7	0.18	1.10	0.06	0.35	4	57.1	0	0.0	0	0.0	3	42.9	0	0.0	0	0.0
Tirap	3	0.23	0.23	0.08	1.16	1	33.3	0	0.0	0	0.0	2	66.7	0	0.0	0	0.0
ASSAM																	
Biswanath	5	0.40	0.69	0.02	1.95	2	40.0	0	0.0	0	0.0	3	60.0	0	0.0	0	0.0
Bongaigaon	6	0.03	0.03	0.06	1.75	1	16.7	0	0.0	0	0.0	5	83.3	0	0.0	0	0.0
Cachar	11	0.04	1.09	0.15	1.33	8	72.7	0	0.0	0	0.0	3	27.3	0	0.0	0	0.0
Darrang	3			0.16	1.81	0	0.0	0	0.0	0	0.0	3	100.	0	0.0	0	0.0
Dhemaji	9	0.02	0.83	0.07	0.79	6	66.7	0	0.0	0	0.0	3	33.3	0	0.0	0	0.0
Dhubri	6	0.02	0.02	0.16	2.02	1	16.7	0	0.0	0	0.0	4	66.7	1	16.7	0	0.0
Dibrugarh	5	0.12	0.62	0.10	0.53	2	40.0	0	0.0	0	0.0	3	60.0	0	0.0	0	0.0
East Karbi Anglong	3	0.08	1.48			3	100.	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Goalpara	4	0.32	1.04	0.39	0.57	2	50.0	0	0.0	0	0.0	2	50.0	0	0.0	0	0.0
Golaghat	3	1.51	4.14	0.27	0.27	1	33.3	0	0.0	1	33.3	1	33.3	0	0.0	0	0.0
Hailakandi	3	0.31	0.61			3	100.	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Hojai	2	2.09	2.79				0	0.0	2100.	00.0	00.0	0	0.0	00.0		
Jorhat	6	0.45	1.32			6	100.	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Kamrup	6	0.12	0.51	0.11	0.65	4	66.7	0	0.0	0	0.0	2	33.3	0	0.0	0	0.0
Kamrup Metro	2			0.20	0.86	0	0.0	0	0.0	0	0.0	2	100.	0	0.0	0	0.0

	1	2	3	4	5	7	8	10	11	12	13	14	15	16	17	18	19	20	
Karbi Anglong	8		0.28	2.20				7	87.5	1	12.5	0	0.0	0	0.0	0	0.0	0	0.0
Karimganj	5		0.45	1.27	0.02	0.83		3	60.0	0	0.0	0	0.0	2	40.0	0	0.0	0	0.0
Lakhimpur	11		0.04	1.33	0.04	0.42		7	63.6	0	0.0	0	0.0	4	36.4	0	0.0	0	0.0
Morigaon	4		0.14	0.93	0.21	0.58		2	50.0	0	0.0	0	0.0	2	50.0	0	0.0	0	0.0
Nagaon	12		0.25	2.84	0.10	0.96		4	33.3	1	8.3	0	0.0	7	58.3	0	0.0	0	0.0
Nalbari	1				0.59	0.59		0	0.0	0	0.0	0	0.0	1	100.	0	0.0	0	0.0
Sibsagar	4		0.80	1.82				4	100.	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Sonitpur	9		0.14	0.70	0.01	0.17		7	77.8	0	0.0	0	0.0	2	22.2	0	0.0	0	0.0
Tinsukia	10		0.10	1.06	0.19	1.71		6	60.0	0	0.0	0	0.0	4	40.0	0	0.0	0	0.0
Udalguri	7		1.09	1.09	0.49	1.87		1	14.3	0	0.0	0	0.0	6	85.7	0	0.0	0	0.0
									MEGHALAYA										
East Garo Hills	4		1.10	1.10	0.25	1.53		1	25.0	0	0.0	0	0.0	3	75.0	0	0.0	0	0.0
East Khasi Hills	1		0.11	0.11				1	100.	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
North Garo Hills	3		0.72	0.72	0.16	0.49		1	33.3	0	0.0	0	0.0	2	66.7	0	0.0	0	0.0
Ri-Bhoi	2		0.29	0.29	0.09	0.09		1	50.0	0	0.0	0	0.0	1	50.0	0	0.0	0	0.0
South West Garo Hills	2		0.85	0.85	0.42	0.42		1	50.0	0	0.0	0	0.0	1	50.0	0	0.0	0	0.0
West Garo Hills	5		2.89	2.89	0.12	0.27		0	0.0	1	20.0	0	0.0	4	80.0	0	0.0	0	0.0
West Jaintia Hills	2		0.23	0.33				2	100.	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
									NAGALAND										
Dimapur	4		6.48	6.48	1.51	2.96		0	0.0	0	0.0	1	25.0	1	25.0	2	50.0	0	0.0
									TRIPURA										
Dhalai	4				0.04	5.10		0	0.0	0	0.0	0	0.0	3	75.0	0	0.0	1	25.0
Gomati	4		0.46	0.46	0.01	0.70		1	25.0	0	0.0	0	0.0	3	75.0	0	0.0	0	0.0
Khowai	4		0.09	0.13	0.18	0.69		2	50.0	0	0.0	0	0.0	2	50.0	0	0.0	0	0.0
North Tripura	3		0.10	0.11	0.10	0.10		2	66.7	0	0.0	0	0.0	1	33.3	0	0.0	0	0.0
Sipahijala	4		0.13	0.13	0.21	0.61		1	25.0	0	0.0	0	0.0	3	75.0	0	0.0	0	0.0
South Tripura	3		0.44	0.44	0.25	0.38		1	33.3	0	0.0	0	0.0	2	66.7	0	0.0	0	0.0
Unakoti	3		0.08	0.60	1.27	1.27		2	66.7	0	0.0	0	0.0	1	33.3	0	0.0	0	0.0
West Tripura	7		0.13	2.66	0.19	1.84		2	28.6	1	14.3	0	0.0	4	57.1	0	0.0	0	0.0
Grand Total	217							106	48.8	6	2.8	2	0.9	99	45.6	3	1.4	1	0.5

Districtwise Categorisation of Water Level Fluctuation
10 Yrs. Mean (Jan –2010 -Jan- 2019) - January - 2020

District Analysed	Station Min	Range in m			Rise						Fall						
		Rise Max	Min	Fall Max	No	0 - 2(m) %	2	- 4 (m) %	>4 (m)0 %	- 2 (m) %	2- 4(m) %	>4(m) %					
1	2	3	4	5	7	8	10	11	12	13	14	15	16	17	18	19	20
ARUNACHAL PRADESH																	
Changlang	4	0.56	0.56	0.22	0.42	1	25.0	0	0.0	0	0.0	3	75.0	0	0.0	0	0.0
East Siang	3	0.12	0.12	0.10	0.11	1	33.3	0	0.0	0	0.0	2	66.7	0	0.0	0	0.0
Lohit	1			0.84	0.84	0	0.0	0	0.0	0	0.0	1	100.	0	0.0	0	0.0
Papumpare	7	0.13	0.75	0.20	0.42	4	57.1	0	0.0	0	0.0	3	42.9	0	0.0	0	0.0
Tirap	3	0.28	0.28	0.77	2.05	1	33.3	0	0.0	0	0.0	1	33.3	1	33.3	0	0.0
ASSAM																	
Baksa	1			0.17	0.17	0	0.0	0	0.0	0	0.0	1	100.	0	0.0	0	0.0
Barpeta	2	0.86	0.86	0.72	0.72	1	50.0	0	0.0	0	0.0	1	50.0	0	0.0	0	0.0
Biswanath	7	0.14	6.46	0.03	3.17	3	42.9	0	0.0	1	14.3	2	28.6	1	14.3	0	0.0
Bongaigaon	6	0.81	0.81	0.18	1.24	1	16.7	0	0.0	0	0.0	5	83.3	0	0.0	0	0.0
Cachar	11	0.44	4.10	0.30	1.07	6	54.5	0	0.0	1	9.1	4	36.4	0	0.0	0	0.0
Darrang	3	0.20	0.50	0.01	0.01	2	66.7	0	0.0	0	0.0	1	33.3	0	0.0	0	0.0
Dhemaji	10	0.04	0.21	0.03	0.62	6	60.0	0	0.0	0	0.0	4	40.0	0	0.0	0	0.0
Dhubri	7	0.75	0.75	0.28	2.13	1	14.3	0	0.0	0	0.0	5	71.4	1	14.3	0	0.0
Dibrugarh	6	0.03	1.03	0.02	0.14	4	66.7	0	0.0	0	0.0	2	33.3	0	0.0	0	0.0
East Karbi Anglong	5	0.20	2.59	0.03	3.59	2	40.0	1	20.0	0	0.0	1	20.0	1	20.0	0	0.0
Goalpara	13	0.24	2.30	0.02	1.19	7	53.8	1	7.7	0	0.0	5	38.5	0	0.0	0	0.0
Golaghat	5	0.80	1.63	0.27	1.02	3	60.0	0	0.0	0	0.0	2	40.0	0	0.0	0	0.0
Hailakandi	3	0.35	4.67			2	66.7	0	0.0	1	33.3	0	0.0	0	0.0	0	0.0
Hojai	2	0.06	1.86			2	100.	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Jorhat	6	0.47	0.80			6	100.	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Kamrup	8	0.04	1.23	0.05	1.41	3	37.5	0	0.0	0	0.0	5	62.5	0	0.0	0	0.0
Kamrup Metro	6	0.19	1.11			6	100.	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Karbi Anglong	14	0.15	2.80	2.69	3.23	10	71.4	2	14.3	0	0.0	0	0.0	2	14.3	0	0.0
Karimganj	5	0.20	2.47	0.85	0.85	3	60.0	1	20.0	0	0.0	1	20.0	0	0.0	0	0.0

	1	2	3	4	5	7	8	10	11	12	13	14	15	16	17	18	19	20
Kokrajhar	1				1.67	1.67	0	0.0	0	0.0	0	0.0	1	100.	0	0.0	0	0.0
Lakhimpur	14	0.03	1.17	0.11	0.30	10	71.4	0	0.0	0	0.0	4	28.6	0	0.0	0	0.0	
Morigaon	7	0.13	1.38	0.24	0.24	6	85.7	0	0.0	0	0.0	1	14.3	0	0.0	0	0.0	
Nagaon	21	0.08	2.42	0.00	0.77	13	61.9	2	9.5	0	0.0	6	28.6	0	0.0	0	0.0	
Nalbari	3	1.43	1.43	0.07	0.92	1	33.3	0	0.0	0	0.0	2	66.7	0	0.0	0	0.0	
Sibsagar	4	1.15	2.00	0.63	0.63	2	50.0	1	25.0	0	0.0	1	25.0	0	0.0	0	0.0	
Sonitpur	11	0.01	1.10	0.31	0.37	9	81.8	0	0.0	0	0.0	2	18.2	0	0.0	0	0.0	
Tinsukia	8	0.11	1.36	1.46	1.46	7	87.5	0	0.0	0	0.0	1	12.5	0	0.0	0	0.0	
<u>MEGHALAYA</u>																		
Udalguri	7			0.13	1.88	0	0.0	0	0.0	0	0.0	7	100.	0	0.0	0	0.0	
East Garo Hills	6	0.55	1.18	0.12	1.41	2	33.3	0	0.0	0	0.0	4	66.7	0	0.0	0	0.0	
East Khasi Hills	1	0.96	0.96			1	100.	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
South West Garo Hills	2	0.15	0.69			2	100.	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
North Garo Hills	5	1.25	1.35	0.02	2.12	2	40.0	0	0.0	0	0.0	2	40.0	1	20.0	0	0.0	
Ri-Bhoi	2	0.06	0.06	0.73	0.73	1	50.0	0	0.0	0	0.0	1	50.0	0	0.0	0	0.0	
West Garo Hills	7	0.24	3.10	0.10	1.16	2	28.6	1	14.3	0	0.0	4	57.1	0	0.0	0	0.0	
West Jaintia Hills	2	0.05	0.93			2	100.	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
<u>NAGALAND</u>																		
Dimapur	3	0.60	1.68	2.42	2.42	2	66.7	0	0.0	0	0.0	0	0.0	1	33.3	0	0.0	
<u>TRIPURA</u>																		
Dhalai	3	0.24	0.24	0.15	0.66	1	33.3	0	0.0	0	0.0	2	66.7	0	0.0	0	0.0	
Gomati	4	1.19	1.19	0.09	1.02	1	25.0	0	0.0	0	0.0	3	75.0	0	0.0	0	0.0	
Khowai	4	0.09	0.37	0.09	0.09	3	75.0	0	0.0	0	0.0	1	25.0	0	0.0	0	0.0	
North Tripura	4	0.21	0.54	0.32	0.32	3	75.0	0	0.0	0	0.0	1	25.0	0	0.0	0	0.0	
Sipahijala	3	0.06	0.37	0.24	0.24	2	66.7	0	0.0	0	0.0	1	33.3	0	0.0	0	0.0	
South Tripura	3	0.19	0.41	0.18	0.18	2	66.7	0	0.0	0	0.0	1	33.3	0	0.0	0	0.0	
Unakoti	4	0.31	0.63	0.74	0.97	2	50.0	0	0.0	0	0.0	2	50.0	0	0.0	0	0.0	
West Tripura	9	0.59	4.43	0.15	4.00	3	33.3	1	11.1	1	11.1	3	33.3	1	11.1	0	0.0	
Grand Total	276					154	55.8	10	3.6	4	1.4	99	35.9	9	3.3	0	0.0	

LONG TERM Ground Water Level Trend of PRE-MONSOON				
Period: March-2010 to March-2019				
District/Station	Well No	No of Data	Rise (meter/yr.)	Fall (meter/yr.)
Arunachal Pradesh				
Changlang				
Jairampur	92A4A1	32	0.036	-
Namchik	92A3A1	31	-	0.028
Namphai	92A3A2	30	0.044	-
Newlisan Kharsang	92A2A1	31	0.053	-
East Siang				
Pasighat New	ARES02A	29	0.158	-
Ruksin	ARES11	25	0.08	-
Sika Baman Todee	ARES14	22	0.212	-
Lohit				
Lathow	83M2D1	33	-	0.089
Lower Subansiri				
Bomte	ARLSO3	17	0.105	-
Rajgarh	ARLSO2	17	0.092	-
Papumpare				
Banderedewa I	ARPP04	26	-	0.148
Chimpu	ARPP13	26	0.061	-
Doimukh	83E4D5	13	0.063	-
Itanagar I	ARPP10	26	0.105	-
Kimin	83E3D2	30	0.053	-
Nirjuli Vill IIA	ARPP06	26	0.116	-
Nirjuli Vill IIB	ARPP07	26	-	0.053
Sonajuli	83E4C1	25	0.07	-
Tirap				
Borduria	83M4B3	30	0.07	-
Deomali	83M4C1	30	0.097	-
Hukanjuri	83M4B4	30	0.009	-
Assam				
Baksa				
Jhargaon	ASBS01	22	-	0.091
Tamulpur	78N2C1	29	-	0.063
Barpeta				
Bhawanipur	78N3A1	24	0.023	-
Dhupguri(Galia)	ASBP13	19	-	0.057
Nityanada OW	ASBP18	24	-	0.149
Patacharkuchi	ASBP16	16	-	0.101
Sarupeta	78N3A6	29	0.025	-
Sorbhog	78J3D4	31	0.003	-
Ujanborbori	78N2A2	19	-	0.088
Daulasal	ASBP14	23	-	0.077
Daulasal OW	ASBP15	19	-	0.308
Biswanath				
Bihupukhuri	83F2A7	31	0.09	-
Biswanath Chariali	83F2A6	21	-	0.767
Biswanath Ghat	83F2A8	32	0.141	-
Borgang	83F1B2	24	0.034	-

District/Station	Well No	No of Data	Rise (meter/yr.)	Fall (meter/yr.)
Helem	ASSP24	26	0.034	-
Japoriguri	ASSP27	8	0.273	-
Buroighat	ASSP 25	25	0.038	-
Gohpur	83F1C2	22	0.04	-
Hawajan	83F1C4	24	0.123	-
Kheroni	ASSP35	5	-	0.091
Kolabari	ASSP23	21	0.024	-
Bongaigaon				
Abhayapuri	78J3C2	32	-	0.131
Baitamari	78J3C1	38	-	0.052
Bongaigaon New	78J3C9	28	0.161	-
Chalantapara	78J3C4	33	0.358	-
Chaprakata	78J3C7	25	0.225	-
Chaprakata	ASBN10	25	-	0.044
Majgaon	ASBN11	26	-	0.077
Manikpur	78J3D1	39	-	0.067
Medhipara(Deo)	78J3C6	28	-	0.087
North salmara	78J3C8	31	-	0.102
Cachar				
Atalbasti	ASCR35	17	-	0.081
Badribasti	83D1D7	34	0.17	-
Borjalinga	83D2D1	33	0.082	-
Borkhola	83D1C8	32	0.052	-
Dargakuna	ASCR25	23	0.174	-
Digharkhal	83D1C3	27	0.125	-
Dwarbond	ASCR40	5	-	1.194
Fulertol	ASCR37	20	0.288	-
Kalain	83D1C14	34	0.208	-
Katigora	ASCR27	21	0.185	-
Moinarbond	83D1D6	28	0.309	-
Nagdirgram	ASCR39	20	0.069	-
Palanghat	83D2D10	22	0.215	-
Poilapul	83H1A9	29	0.101	-
Razabazar	83H1A7	31	0.525	-
Shivachal	ASCR28	20	0.142	-
Shivtila	83H1A4	30	0.256	-
Silcoorie	ASCR38	17	0.061	-
Tarapur	ASCR32	20	0.051	-
Chirang				
Bijni	78J3C5	28	-	0.048
Darrang				
Bhakatpara Ow	ASDR33	19	-	0.025
Dalgaon	83B2A2	33	-	0.013
Gelabil (Thelamara)	83B2B6	25	-	0.035
Majgaon OW	ASDR34	17	-	0.07
Majgaon-II	ASDR30	18	-	0.645
Mangaldoi	83B3A1	31	-	0.065
Mangaldoi II	83B3A3	30	0.006	-
Thekerabari .1	83B2A1	33	-	0.046
Dhemaji				
Bhagaban charali	83I2D2	31	0.094	-
Bijoypur	83M1A3	30	0.183	-

District/Station	Well No	No of Data	Rise (meter/yr.)	Fall (meter/yr.)
Bokabil Ow	ASDM24	23	0.117	-
Bordoloni	83I3B1	20	0.155	-
Chengali Pather Ow	ASDM23	19	-	0.005
Dhemaji 1	83I3C1	14	0.27	-
Dipa	83I2D3	25	0.079	-
Gogamukh Hss Ow	ASDM25	23	-	0.1
Jonai murkongselek	83M1A1	32	0.078	-
Moridhal	ASDM27	12	0.086	-
Santipur	ASDM28	12	0.004	-
Siripani	83I2C3	17	0.129	-
Sisibargaon	83I2C2	33	0.103	-
Telem	83M2A1	32	0.086	-
Dhubri				
Bagaribari	78J4A4	37	-	0.053
Bahalpur	78J3B4	33	0.053	-
Bilasipara	78J4A1	35	-	0.076
Chapar	78J3B2	38	-	0.081
Dakhin Tokesara	ASDH16	24	-	0.139
Dhubri Town	78F4D4	36	-	0.027
Matabag	ASDH19	17	0.507	-
Panbari	78J4A2	31	-	0.246
Shapamari Beat	ASDH13	26	-	0.097
Sonamukhi	ASDH14	22	-	0.084
Dibrugarh				
AMC Campus	ASDB14	20	-	0.174
Azarguri gaon	83I3D4	33	0.007	-
Barbaruah	83I3D6	33	-	0.057
Chabua	83M3A2	31	0.088	-
Dibrugarh	83I3D1	22	0.018	-
Dikom	83M3A1	33	-	0.038
Domar Dolong Tw	ASDB12	23	-	0.001
Melengial PWSS	ASDB15	15	-	0.375
East Karbi Anglong				
Bokulia	83G1C3	28	-	0.171
Dengaon	ASKA08	5	0.692	-
Dengaon R10	ASKA33	8	0.1	-
Dengaon R5	83B4D7	27	-	0.213
Dentaghat	83F3A1	25	0.156	-
Langhing	ASKA32	23	-	0.148
Manikpur	83F4A6	26	-	0.536
Phuloni	83F4A2	31	-	0.102
Swarghati	ASKA31	20	-	0.128
Goalpara				
Agia1	78J4C3	31	0.079	-
Agia2	ASGP21	25	-	0.006
Baida	78J4B3	29	0.073	-
Bhalukdubi (Goalpara)	ASGP15	25	0.087	-
Damra	78K1D8	32	-	0.077
Dudhnai	78K1D1	33	-	0.052
Dudhnoi II	ASGP17	23	0.084	-
Dwarka	ASGP19	23	0.005	-

District/Station	Well No	No of Data	Rise (meter/yr.)	Fall (meter/yr.)
Krishnai	78J4C1	22	-	0.069
Pattarpara	ASGP22	24	0.05	-
Rongjuli	78K1D2	33	0.06	-
Salpara	ASGP16	25	0.068	-
Sarapara	ASGP23	25	0.046	-
Teuli	ASGP20	22	0.155	-
Golaghat				
Balibat	ASGL09	10	0.33	-
Bokakhat1	ASGL12	24	-	0.084
Butalikua	ASGL16	10	1.228	-
Gandhibari Namghar	ASGL10	24	0.131	-
Garampani	ASGL15	24	0.245	-
Garigaon	ASGL17	9	0.817	-
Golaghat	83F2D1	15	-	0.014
Haldibari Buri Ai	ASGL13	25	0.31	-
Kamargaon1	83F2C1	12	-	0.391
Kohra kaziranga	83F2B1	22	-	0.007
Oating	83J3A1	34	0.347	-
Hailakandi				
Burakhai	ASHL08	22	0.026	-
Katlicherra N	ASHL02A	28	0.341	-
Lakhinagar	ASHL09	5	-	0.841
Lala	ASHL10	5	-	0.379
Monacherra	83D2C3	20	0.122	-
Panchgram New	ASHL05A	30	0.054	-
Syedband Part II	ASHL01A	29	0.132	-
Hojai				
Lanka	83C1D1	27	0.266	-
Lumding	83G1A1	25	-	0.63
Tirchang	ASNG47	7	0.16	-
Zebra Khua	ASNG33	8	0.265	-
Jorhat				
Bijay Nagar	ASJR33	11	-	0.341
Chengal Ati	ASJR24	8	0.339	-
Chutuyakari	ASJR31	7	0.038	-
Cinamara Tinali	ASJR27	10	0.347	-
Cinemora	ASJR18	25	0.253	-
Dabarapara charali	83J2B3	32	0.09	-
Kakojan1	83J1B1	13	0.018	-
Kamarbandha	ASJR34	13	0.322	-
Kokilamukh	83J1A3	29	-	0.081
Kolakhowa	ASJR20	17	0.649	-
Kunwari Pukhuri	ASJR35	13	-	0.31
Lichubari	ASJR21	23	0.366	-
Mariani	83J2B4	23	0.486	-
Meleng Kaparaharia	ASJR28	24	0.072	-
Nefa Tinali	ASJR30	11	0.188	-
Rajoi TG	83J2B5	14	-	0.125
Rangajan PHE Sc	ASJR26	9	0.161	-
Saklatinga TGI	83J2A11	14	0.03	-
Saruhoj	ASJR19	8	0.152	-
Selenghat	83J2B2	16	0.144	-

District/Station	Well No	No of Data	Rise (meter/yr.)	Fall (meter/yr.)
Sodial Kacharigaon	ASJR22	25	0.191	-
Tipamia	83J2A6	14	0.063	-
Titabor	ASJR36	5	-	0.562
Kamrup				
Abhaipur	ASKM44	21	0.187	-
Agyathuri	78N4C2	32	0.266	-
Alikash Adarsh	78N4C16	27	-	0.077
Bamunigaon1	78N4B3	29	-	0.085
Boko1	ASKM39	17	-	0.13
Chhaygaon	ASKM41	24	0.223	-
Darkuchi	78N2C4	26	-	0.141
Dhobartari	ASKM45	20	-	0.204
Dora Kahara	ASKM47	18	-	0.302
Hajo	78N4C5	33	0.045	-
Kahara	78N3C2	20	0.113	-
Mirza	ASKM42	26	0.219	-
Rajapara	78O1A3	33	-	0.055
Rangia	78N3C1	23	-	0.255
Rani1	78N4C9	26	-	0.03
Rani2	ASKM43	25	-	0.048
Sualkuchi	78N4C11	30	0.038	-
Tarani	ASKM48	14	-	0.006
Kamrup Metro				
Amingaon	ASKM46	20	0.035	-
Azara	78N4C1	15	-	0.192
Bamfor	ASKM50	25	-	0.048
Boragaon	78N4C7	26	0.199	-
Chandrapur	78N4D9	11	0.255	-
Dirgheswari	78N4C12	23	-	0.148
Kahilipara	78N4D7	15	0.217	-
Khanapara	78N4D3	15	0.045	-
Khetri	83B4A3	21	0.058	-
Khetri II	ASKM51	22	-	0.175
Maligaon	78N4C6	15	0.698	-
Paltan bazar	78N4C14	13	0.338	-
Samanta Pathar	ASKM36A	15	0.213	-
Sonapur	83B4A2	31	-	0.026
Sonapur II	ASKM52	25	0.19	-
Topatoli	83B4A4	31	-	0.246
Topatoli New	ASKM35A	17	-	0.199
Zoo narangi rd	78N4D2	15	-	1.021
Karbi Anglong				
Adarakha Tiniali	ASKA44	20	0.213	-
Amlokhi	ASKA53	13	-	0.167
Balipathar	83F4D3	31	-	0.063
Bokajan	83F4D2	6	0.019	-
Bokajan I	ASKA41	25	-	0.251
Bokajan II	ASKA42	26	0.093	-
Bokoliaghat	ASKA34	22	-	0.176
Deopani	83F4D4	30	0.537	-
Dillai	83G1C4	44	-	0.084
Diphu	83G1B1	21	-	0.344
Diphu1	ASKA54	9	-	2.238

District/Station	Well No	No of Data	Rise (meter/yr.)	Fall (meter/yr.)
Diphu2	ASKA55	7	2.899	-
Dishobai	ASKA35	21	0.665	-
Ghouria Dhubi	ASKA43	16	0.078	-
Hidipi	83F4C1	26	0.229	-
Khatkhati	83G1D3	30	-	0.189
Khatkhati (matipul Nmgr)	ASKA50	11	0.583	-
Lahorijan	ASKA51	13	0.531	-
Lakhijan	ASKA52	14	-	0.016
Manja Bus Stand	ASKA39	18	0.912	-
Manja Forest	83G1B2	19	0.096	-
Mohendijua	ASKA38	23	-	0.258
Phonglangso	ASKA36	23	-	0.117
Saphapani	ASKA45	24	0.045	-
Silanijan	83F3D1	29	-	0.015
Terangaon	ASKA37	21	-	0.17
Boithalangu	83C1C2	14	-	0.158
Donkamokam	83C1C1	21	-	0.106
Kalonga	83C1D2	24	-	0.129
Kheronighat	83C1D3	26	-	0.004
Karimganj				
Badarpur	83D1C1	34	0.293	-
Dhulia	83D2B6	30	0.102	-
Hatikira	83D3B1	30	0.069	-
Kalinagar	ASKG12	5	-	0.419
Karimganj	ASKG15	21	0.018	-
Kayasthagram	ASKG16	19	0.163	-
Patharkandi	ASKG17	21	0.431	-
Rk Nagar I	83D2B4	33	0.632	-
Sarkaribari	83D2B7	32	0.076	-
Kokrajhar				
Balajan	ASDH15	21	-	0.117
Rupshi	78F4D3	36	-	0.177
Sidli	78J2B6	5	-	0.331
Lakhimpur				
Amguri	ASLK23	24	0.054	-
Basudeothan	83I3B8	7	0.019	-
Bhogpur charali	83E4D1	33	-	0.003
Bihpuria	83E4D4	23	0.123	-
Borbil Tariyani	ASLK29	10	-	0.058
Dejoo	ASLK24	25	0.029	-
Dholpur	83F1D1	12	-	0.134
Dolanghat chara	83I4A3	31	0.12	-
Harmoti	83E4D6	32	-	0.063
Islampur	83E4D3	30	0.055	-
Kadam	83I3A3	30	0.03	-
Koilamari 6 No Line	ASLK31	10	-	0.043
Laluk	83E4D2	29	-	0.059
Madhupur	ASLK22	17	0.077	-
Milanpur	ASLK26	25	0.082	-
Moridirgha	ASLK30	11	-	0.056
N.lakhipur(old)	83I4A1	27	-	0.005
Naoboisa	83I4A4	12	0.162	-

District/Station	Well No	No of Data	Rise (meter/yr.)	Fall (meter/yr.)
Narayanpur	83F1D4	32	0.012	-
Panigaon	83I4A2	26	0.1	-
Pathalipam	83I3B6	32	-	0.003
Pathalipam II	ASLK25	19	0.255	-
Morigaon				
Baghara	83B4B2	32	-	0.114
Baropujia	ASMR14	22	-	0.144
Barukati	ASMR27	12	0.06	-
Basanaghat Ow	ASMR19	16	0.003	-
Charibahi Ow	ASMR22	8	0.268	-
Daponibari Ow	ASMR18	16	0.145	-
Deosal	ASMR12	19	0.032	-
Garmari gaon	83B3A4	26	-	0.283
Kumoi	ASMR15	23	-	0.367
Miarabari	83B3B3	5	0.053	-
Morigaon	83B3B10	28	-	0.212
Nasatra	83B4A5	19	-	0.181
Nelle New	ASMR11	20	-	0.239
Pamibahua	ASMR16	22	0.03	-
Silsang Namghar	ASMR13	8	0.34	-
Solmari Ow	ASMR21	18	-	0.136
Nagaon				
Amsoi	83B4B5	29	-	0.056
Balijan/balijuri Ow	ASNG42	18	-	0.021
Bamuni tinali	83B3D9	23	-	0.173
Beldonga mandir	83B4D8	32	-	0.042
Bichamari	83B3B1	30	-	0.22
Bordowa	83B3C2	31	-	0.155
Dakhipath OW	ASNG44	22	0.073	-
Dalapani	ASNG39	23	-	0.216
Dhing	83B3B6	33	-	0.111
Doboka	83B4D1	30	-	0.347
Ghasibasti Ow	ASNG46	20	-	0.197
Gomotha	ASNG34	22	-	0.028
Haldiati sub bt	83B4D6	30	-	0.135
Hateniibatha	ASNG35	23	-	0.135
Jurapukhuri	83C1D7	30	-	0.085
Kathiatoli	83B4C4	37	-	0.135
Kazirang Tourist Vil	ASNG27	15	-	1.047
Kondali	83B3D5	21	-	0.115
Langteng TE	83F3A2	15	-	0.539
Nadeorigaon	83B4D2	19	-	0.316
Naltali	ASNG37	24	-	0.06
Pahukata	ASNG36	21	-	0.155
Phulaguri	ASNG48	10	0.183	-
Phulaguri R6	83F2A5	23	0.098	-
Rangamati Ow	ASNG45	14	0.044	-
Samuguri	83B3D7	30	-	0.156
Silghat	83B2D6	33	-	0.307
Sulung p.o.	83B3D8	36	-	0.001
Telia bebejia	83B3C7	23	-	0.26
Nalbari				
Tihu	78N3B3	30	-	0.071

District/Station	Well No	No of Data	Rise (meter/yr.)	Fall (meter/yr.)
Sibsagar				
Athkhel Grant	ASSA05	7	2.333	-
Bandarmari	83I4C14	30	0.139	-
Betbari alimore	83I4C8	21	0.146	-
Borkulanagar	ASSA07	10	-	0.25
Demow Sukan	83I4C11	32	0.023	-
Dhapaboria	83I4C5	16	0.229	-
Garbhaga Pwss	ASSA06	12	0.091	-
Geleki	83J1C9	13	-	0.222
Hanumanbagh	83J1C7	14	-	0.015
Moranhat	83I4D1	21	-	0.02
Rajabari TE	83I4C7	11	0.108	-
Santak	ASSA04	11	0.529	-
Sapekhati	83M4A1	36	-	0.18
Sibsagar	83J1C2	26	0.038	-
Sonarigaon	ASSA02	8	0.246	-
Sonitpur				
18th Mile	ASSP29	25	-	0.045
Balipara	83B1D4	32	0.023	-
Barchola	83B2B5	29	0.032	-
Charduar	83B1D1	32	-	0.003
Dhekiajuli	83B2B2	32	-	0.002
Garumari	83B1D2	32	0.3	-
Jamuguri North	83B2D3	32	-	0.005
Na Pam	ASSP31	22	-	0.023
Tezpur	83B2D2	33	-	0.024
Thelamara	ASSP30	26	0.036	-
Tolakbari OW	ASSP34	24	0.035	-
Tupia	ASSP28	25	0.109	-
Tinsukia				
Borgolai	83M3C2	30	0.057	-
Digboi	83M3C1	33	0.152	-
Jagun	83M3D4	33	0.02	-
Jaipur naharjan	83M4B5	29	0.149	-
Kumsang Selenguri	ASTS22	21	0.255	-
Lekhapani	83M3D1	33	0.043	-
Panitola	83M3B4	33	0.194	-
Philobari	83M2C7	19	-	0.111
Tinsukia	83M3B2	33	0.039	-
Tipong	ASTS20	23	0.093	-
Tirap gate	83M3D2	33	-	0.045
Udalguri				
Bengbari	78N2D10	28	-	0.127
Bhalukmari	83B2A7	32	0.137	-
Goroibari	ASDR31	24	0.002	-
Hatitopagaon	83B1B1	11	-	0.107
Kalaigaon	78N2D3	32	-	0.009
Kendurtal	78N2D11	22	0.182	-
Madhupur	83B2A6	29	-	0.035
Orang	83B2B1	31	0.046	-
Paneri	78N2D9	31	-	0.231
Rowta chariali	83B2A3	33	0.017	-
Tangla/tokken	78N2D2	26	0.427	-

District/Station	Well No	No of Data	Rise (meter/yr.)	Fall (meter/yr.)
Katta				
Udalguri	83B2A4	31	-	0.037
Meghalaya				
East Garo Hills				
Baiza Rongreng	MLEG15	19	0.03	-
Darugiri	78K2D2	31	-	0.023
Dobetkolgiri	MEEG12	16	-	0.042
Dobu	MLEG13	19	-	0.041
Narringirri	MLEG14	21	-	0.38
Rongjeng	78K2D1	31	-	0.361
Rongmil	78K2D3	31	-	0.162
Samanda Megapagre	MLEG16	19	0.024	-
Songsak	MLEG17	21	-	0.065
Williamnagar	78K2C2	28	0.008	-
East Khasi Hills				
Cherrapunji	78O3C1	26	-	0.047
Lapalang Ow	MLEKHOW5	5	0.258	-
Nit Cherrapunji	MLEKHOW6	5	0.929	-
Dangar	MLEK14	10	0.177	-
Lachuamiere	MLEK09	21	-	0.053
Laitkor	MLEKHOW2	7	6.399	-
Mawpat	MLEK11	16	-	0.355
Nongmysong	MLEK12	20	-	0.047
Shillong Dhankheti	MLEK08	21	-	0.044
Shillong Golf Link	MLEK07	20	-	0.123
Water Resources Dept	MLEKOW1	11	-	0.381
North Garo Hills				
Kharkutta	78K1D7	31	0.007	-
Bajengdoba	78K1C2	26	-	0.066
Dainadubi	MLEG11	23	0.058	-
Mendal	78K1B1	30	-	0.08
Mendipathar	78K1C1	28	-	0.035
Ri-Bhoi				
Nongpoh	78O1D1	27	-	0
Rpbf Kyrdemkulai	MLRBOW9	5	0.142	-
Nongladew	MLRBOW02	12	-	0.072
Patharkhamma Barigaon	MLRB9	10	-	0.278
Umsaw	MLRBOW1	12	-	0.033
Byrnihat	MLRB02A	29	0.094	-
Pahanmawlier	MLRB06	17	-	0.124
Purduwa	MLRBOW4	12	-	0.15
Tamanpahlong	MLRB	10	-	0.047
Lumkeni	MLRBOW7	12	0.397	-
Nayabunglow	MLRB04	13	0.473	-
Sohpdok	MLRBOW5	12	-	0.723
Tdohumshaiw	MLRBOW6	12	-	1.324
Umroi Maidan	MLRB8	10	-	0.254
South West Garo Hills				
Ampati	78G3D1	21	0.179	-

District/Station	Well No	No of Data	Rise (meter/yr.)	Fall (meter/yr.)
Betasing II	ASWG25	11	0.507	-
Garobandha	78K2A1	21	0.16	-
Mahendraganj	78G3D2	16	-	0.091
Zikzak	78G3D5	11	-	0.145
West Garo Hills				
Dalu	MLWG25	10	-	0.036
Purkhasia	78K3A1	22	0	-
Asanang	78K2B1	27	-	0.121
Baljek	ASWG17	20	0.233	-
Rongram	ASWG18	22	-	0.041
Snalgre	MLWG23	10	-	0.497
Damjongre	MLWG21	12	-	0.304
Nidanpur	78K1A3	21	-	0.241
Phulbari	78K1A1	30	-	0.02
Rajabala	ASWG26	14	-	0.012
Salsella	MLWG22	11	-	0.19
Belguri	ASWG21	19	0.021	-
Phutamati	ASWG20	22	0.093	-
Tikrikilla	78K1A2	29	0.7	-
West Jaintia Hills				
Dauki	83C4A1	31	0.169	-
Jowai	83C3A1	29	0.036	-
West Khasi Hills				
Mairang N	MLWK02	5	0.048	-
Mairang	78O2C1	26	0.012	-
Nagaland				
Dimapur				
3 Mile Bazar	NLDM19	17	1.003	-
7th Mile Colony	NLDM21	18	0.196	-
Bade Bazar	NLDM25	13	-	0.091
Chumkidima	83G1D1	25	0.207	-
Dhansiripar	83G1C5	25	0.094	-
Diphupar	NLDM22	18	0.223	-
Doyapur DMC	NLDM12	17	0.528	-
Industrial Estate	83G1C7	24	0.07	-
Maibiram	NLDM13	16	0.304	-
Marwari Colony	83G1C9	20	-	0.155
Purana Bazar	83G1C10	23	0.349	-
Rilayan Colony	NLDM24	17	2.312	-
Seirujha Colony	83G9GM11	26	1.759	-
Singrijan	83G1C6	27	0.167	-
Thilaxu Block-II	NLDM16	18	-	0.038
Wildlife Office Dimapur	83G1C2	22	1.216	-
Zakesatho Colony	NLDM23	18	0.704	-
Zion Hospital	NLDM18	8	0.11	-
Jalukie	83G2C1	22	0.581	-
Kohima				
Cathedral Complex	83K2A1	23	0.059	-
NLSA Complex	83K2A2	22	0.05	-
Sepfuzou Colony	83K2A3	23	0.614	-
Mokokchung				
Lampi	83J3B1	23	0.057	-

District/Station	Well No	No of Data	Rise (meter/yr.)	Fall (meter/yr.)
Mon				
Mon Town	83N2GM14	20	0.609	-
Namsa	83J1D1	22	0.213	-
Phek				
Phek Town	83K6GM13	20	0.276	-
Tuensang				
Tuensang	83J16GM12	19	-	0.51
Wokha				
New Market	83J4B2	21	0.442	-
Tourist Lodge	83J4B1	22	0.321	-
Wokha Town	83N2GM15	10	-	0.501
Tripura				
Dhalai				
Kamalpur	78P4D1	31	0.071	-
Ambassa	79M1D1	10	-	0.506
Ambassa N	TRDL06	20	-	0.647
Darlang Basti	TRDL02	18	0.1	-
Durga Chowmuhani	TRDL01	18	0.213	-
Manu	78P4D3	5	0.156	-
Manu N	TRDL05	27	0.113	-
Sindhu Kumar	TRDL07	13	0.205	-
Abhanga N	TRDL04	29	0.173	-
Gomati				
Amarpur	TRST05	22	0.023	-
Bampur	TRST 06	24	0.182	-
Jatanbari	TRGM01	13	0.257	-
Ampi Colony	TRST07	20	0.671	-
Kankraban	TRST12	24	-	0.187
Dhawaj nagar Udaipur	79M2B8	31	0.15	-
Garjee Bazar	79M3B4	31	0.122	-
Naobari	TRST04	17	0.174	-
Khowai				
Chakmaghat Ew	TRWT02	5	-	0.244
Chakmaghat Ow	TRWT03	5	-	0.194
Kalyanpur	79M1C2	33	0.061	-
Bagan Bazar	TRWT33	17	0.339	-
Khowai	78P4C5	33	0.003	-
45miles	TRKH01	12	-	0.482
Tuimadhu	TRWT37	23	0.044	-
Paschim Howaibari	TRWT34	23	0.12	-
North Tripura				
Kanchanpur Court Ow	TRNT01	5	-	0.573
Kanchanpur	84A1A1	24	0.091	-
Satnala	TRNT16	18	0.051	-
Bagbasa N	TRNT10	28	0.015	-
Baghbassa	83D3A3	6	0.112	-
Churaibari	TRNT23	13	0.349	-
Dharmanagar	83D3B2	33	0.091	-
Lalchhara	TRNT22	12	0.041	-
Sanicherra	TRNT24	13	1.019	-
Laljuri	TRNT15	20	0.009	-

District/Station	Well No	No of Data	Rise (meter/yr.)	Fall (meter/yr.)
Naba Joypara (natun)	TRNT20	13	0.028	-
Deocherra	TRNT25	13	0.056	-
Kunjanagar	TRNT21	12	-	0.078
Panisagar	83D4A1	32	-	0.011
Krishnapur	TRNT19	12	0.182	-
Rajnagar New	TRNT13	24	0.073	-
Sipahijala				
Dakshin Kalamcherra	TRWT04A	31	-	0.001
Golaghati	TRSJ01	13	-	0.239
Gongrai	TRWT36	24	0.116	-
Kathalia bazar	79M3B5	32	-	0.023
Tufaniamura	TRWT35	22	0.194	-
South Tripura				
Amlı Ghat	TRST35	7	-	0.654
Anandabandu Para	TRST42	7	-	0.494
Baishanbpur	TRST30	7	-	2.369
Bankul Mahamani	TRST	6	-	0.039
Bijaynagar	TRST32	6	-	0.479
Ghorakhappa	TRST41	6	-	0.242
Kalirbazar	TRST29	7	-	0.154
Magroom	TRST31	7	-	0.603
Motu Mogpara	TRST33	5	0.118	-
Poangbarı	TRST37	7	-	2.317
Purba Takka	TRST38	7	-	1.481
Rajib Nagar Ew	TRST28	5	-	0.119
Santirbazar	79M3C1	11	0.247	-
Santirbazar Purba	TRST13	12	0.27	-
Srinagar	TRST36	7	0.11	-
Gardhang	TRST11	23	-	0.004
Jhajhari	TRST08	13	-	0.1
Kashari	TRST24	5	2.264	-
Manurmukh	TRST03A	30	0.061	-
Radhanagar	TRST15	20	0.135	-
Rajnagar	TRST14	23	0.154	-
Rangamura	TRST25	7	0.613	-
Kalachhara	TRST10	20	0.232	-
Manu Bazar	TRST 9	23	0.015	-
Sabroom	79M4C1	32	0.076	-
Unakoti				
Panchamnagar	TRNT17	17	-	0.01
Gauranagar N	TRNT11	32	0.139	-
Jarutalı	TRNT27	12	0.908	-
Chandramanikami	TRNT18	18	0.196	-
Kanchanchhera	TRNT12	23	0.145	-
Kumarghat	83D4A6	32	0.162	-
Karaicherra	TRNT14	20	-	0.436
Pecharthal	83D4A7	33	-	0.003
West Tripura				
Narsinggarh DTW	TRWT28	28	0.04	-
Badharghat DTW	TRWT25	27	-	0.028
Badharghat STW	TRWT26	5	-	1.496
East Narayanpur	TRWT40	5	-	0.924

District/Station	Well No	No of Data	Rise (meter/yr.)	Fall (meter/yr.)
Subalsingh	TRWT32	23	0.007	-
Nagicherra1	TRWT29	27	0.241	-
Nagicherra2	TRWT30	27	0.634	-
Ishanpur	TRWT31	22	-	0.038
Simna	78P4B1	33	0.007	-

LONG TERM GROUND WATER LEVEL TREND OF POST-MONSOON				
Period: November-2010 to November-2019				
District/Station	Well No	No of Data	Rise (meter/yr.)	Fall (meter/yr.)
Arunachal Pradesh				
District: Changlang				
Jairampur	92A4A1	32	0.118	-
Namchik	92A3A1	31	-	0.026
Namphai	92A3A2	30	0.097	-
Newlisan Kharsang	92A2A1	31	-	0.013
District: East Siang				
Pasighat New	ARES02A	31	0.251	-
Ruksin	ARES11	27	0.102	-
Sika Baman Todee	ARES14	24	0.231	-
District: Lohit				
Lathow	83M2D1	33	-	0.103
District: Lower Subansiri				
Bomte	ARLSO3	19	0.126	-
Kolaputkar	ARLS01	5	0.259	-
Rajgarh	ARLSO2	19	0.438	-
District: Papumpare				
Banderedewa I	ARPP04	28	-	0.069
Chimpu	ARPP13	28	0.071	-
Doimukh	83E4D5	15	0.069	-
Itanagar I	ARPP10	28	0.104	-
Kimin	83E3D2	30	0.05	-
Nirjuli Vill IIA	ARPP06	28	0.135	-
Nirjuli Vill IIB	ARPP07	28	-	0.043
Sonajuli	83E4C1	26	0.06	-
District: Tirap				
Borduria	83M4B3	31	0.047	-
Deomali	83M4C1	31	0.069	-
Hukanjuri	83M4B4	31	-	0.072
Assam				
District: Baksa				
Jhargaon	ASBS01	24	-	0.082
Tamulpur	78N2C1	28	-	0.049
District: Barpeta				
Bhawanipur	78N3A1	23	0.087	-
Bhawanipur TW	ASBP17	7	1.006	-
Dhupguri(Galia)	ASBP13	19	-	0.057
Nityanada OW	ASBP18	24	-	0.149
Patacharkuchi	ASBP16	16	-	0.101
Sarupeta	78N3A6	28	0.059	-
Sorbhog	78J3D4	29	0.019	-
Ujanborbori	78N2A2	19	-	0.088
District: Biswanath				
Behali	ASSP33	6	1.587	-
Bihupukhuri	83F2A7	31	0.122	-
Biswanath Chariali	83F2A6	21	-	0.6

District/Station	Well No	No of Data	Rise (meter/yr.)	Fall (meter/yr.)
Biswanath Ghat	83F2A8	32	0.217	-
Borgang	83F1B2	22	0.058	-
Helem	ASSP24	28	0.053	-
Japoriguri	ASSP27	8	0.273	-
Ketela TE	ASSP26	16	0.245	-
Sootia	83F2A2	24	0.222	-
Buroighat	ASSP 25	27	0.063	-
Gohpur	83F1C2	23	0.047	-
Hawajan	83F1C4	22	0.134	-
Kheroni	ASSP35	7	0.431	-
Kolabari	ASSP23	23	0.05	-
District: Bongaigaon				
Abhayapuri	78J3C2	33	-	0.097
Baitamari	78J3C1	34	0.005	-
Bongaigaon New	78J3C9	30	0.161	-
Chalantapara	78J3C4	32	0.38	-
Chaprakata	78J3C7	25	0.225	-
Chaprakata	ASBN10	25	-	0.044
Majgaon	ASBN11	26	-	0.077
Manikpur	78J3D1	35	-	0.04
Medhipara(Deo)	78J3C6	28	-	0.074
North salmara	78J3C8	31	-	0.13
District: Cachar				
Atalbasti	ASCR35	19	-	0.1
Badribasti	83D1D7	34	0.156	-
Borjalinga	83D2D1	33	0.094	-
Borkhola	83D1C8	32	0.058	-
Dargakuna	ASCR25	25	0.185	-
Digharkhal	83D1C3	29	0.119	-
Dwarbond	ASCR40	7	-	0.437
Fulertol	ASCR37	22	0.268	-
Ghungoor TW	83D1D10	18	0.147	-
Gosaipur Part-II	ASCR34	16	0.26	-
Hilara	ASCR26	19	0.336	-
Kalain	83D1C14	34	0.145	-
Kashipur	ASCR31	11	0.436	-
Kathaltila	ASCR36	6	-	0.906
Katigora	ASCR27	23	0.178	-
Masimpur	ASCR23	19	0.229	-
Moinarbond	83D1D6	28	0.252	-
Nagdirgram	ASCR39	22	0.089	-
Palanghat	83D2D10	22	0.26	-
Poilapul	83H1A9	30	0.111	-
Razabazar	83H1A7	31	0.551	-
Shivachal	ASCR28	22	0.099	-
Shivtila	83H1A4	30	0.235	-
Silcoorie	ASCR38	18	0.066	-
Tarapur	ASCR32	22	0.057	-
District: Chirang				
Bijni	78J3C5	27	-	0.005
District: Darrang				

District/Station	Well No	No of Data	Rise (meter/yr.)	Fall (meter/yr.)
Baitamari (Beltala	83B2A8	5	-	0.29
Bhakatpara Ow	ASDR33	19	-	0.025
Dalgaon	83B2A2	33	0.039	-
Gelabil (Thelamara)	83B2B6	25	0.022	-
Majgaon OW	ASDR34	18	0.03	-
Majgaon-II	ASDR30	20	-	0.452
Mangaldoi	83B3A1	31	-	0.11
Mangaldoi II	83B3A3	31	0.064	-
Thekerabari .1	83B2A1	31	-	0.052
District: Dhemaji				
Bhagaban charali	83I2D2	32	0.062	-
Bijoypur	83M1A3	31	0.191	-
Bokabil Ow	ASDM24	25	0.124	-
Bordoloni	83I3B1	19	0.155	-
Chengali Pather Ow	ASDM23	19	-	0.005
Dekapam	ASDM21	24	0.068	-
Dhakuakhana1	ASDM07	7	0.083	-
Dhemaji 1	83I3C1	12	0.325	-
Dhemaji 1	ASDM 23	25	0.209	-
Dipa	83I2D3	27	0.113	-
Ghilamara	ASDM11	12	-	0.048
Ghilamara Ow	ASDM26	6	0.09	-
Gogamukh Hss Ow	ASDM25	25	-	0.002
Jamuguri	83F1D3	8	-	0.561
Jonai murkongselek	83M1A1	33	0.084	-
Moridhal	ASDM27	12	0.086	-
Santipur	ASDM28	12	0.004	-
Silapathar	83I2C1	15	0.386	-
Simen Chapori	ASDM22	9	0.679	-
Siripani	83I2C3	17	0.081	-
Sisibargaon	83I2C2	34	0.106	-
Telem	83M2A1	33	0.091	-
District: Dhubri				
Bagaribari	78J4A4	33	-	0.024
Bahalpur	78J3B4	31	0.065	-
Bilasipara	78J4A1	31	-	0.058
Chapar	78J3B2	34	-	0.052
Dakhin Tokesara	ASDH16	26	-	0.084
Dhubri Town	78F4D4	32	0.085	-
Matabag	ASDH19	17	0.507	-
Moterjhar	ASDH17	13	0.153	-
Panbari	78J4A2	31	-	0.238
Sarpamari Beat	ASDH13	28	-	0.051
Sonamukhi	ASDH14	22	-	0.084
District: Dibrugarh				
AMC Campus	ASDB14	22	-	0.14
Azarguri gaon	83I3D4	33	0.009	-
Barbaruah	83I3D6	33	-	0.041
Chabua	83M3A2	31	0.2	-
Dibrugarh	83I3D1	20	0.037	-
Dikom	83M3A1	33	-	0.027

District/Station	Well No	No of Data	Rise (meter/yr.)	Fall (meter/yr.)
Domar Dolong Tw	ASDB12	25	0.031	-
Melengial PWSS	ASDB15	15	-	0.375
District: East Karbi Anglong				
Borkulia	83G1C3	28	-	0.026
Dengaon	ASKA08	7	0.603	-
Dengaon R10	ASKA33	8	0.1	-
Dengaon R5	83B4D7	25	-	0.189
Dentaghat	83F3A1	24	0.215	-
Langhing	ASKA32	25	-	0.064
Manikpur	83F4A6	27	-	0.337
Phuloni	83F4A2	31	0.024	-
Swarghati	ASKA31	22	-	0.045
District: Goalpara				
Agia1	78J4C3	30	0.105	-
Agia2	ASGP21	27	0.081	-
Baida	78J4B3	30	0.11	-
Bhalukdubi (Goalpara)	ASGP15	27	0.206	-
Damra	78K1D8	32	-	0.04
Dhupdhara	78O1A2	17	-	0.116
Dudhnai	78K1D1	33	-	0.022
Dudhnoi II	ASGP17	25	0.093	-
Dwarka	ASGP19	25	0.091	-
Goalpara Town	78J4C4	17	0.378	-
Khutabari	78N4A1	17	-	0.103
Krishnai	78J4C1	21	-	0.019
Krishnai New	ASGP14	7	0.842	-
Lakhipur	78J4B1	16	0.137	-
Matia	78J4D1	15	-	0.366
Pattarpara	ASGP22	26	0.097	-
Rongjuli	78K1D2	33	0.085	-
Salpara	ASGP16	27	0.066	-
Sarapara	ASGP23	27	0.061	-
Teuli	ASGP20	24	0.198	-
District: Golaghat				
Balibat	ASGL09	10	0.33	-
Bokakhat	83F2C2	12	0.022	-
Bokakhat1	ASGL12	26	-	0.071
Bongaon	ASGL11	17	-	0.595
Butalikua	ASGL16	12	1.243	-
Dhalaguri	ASGL14	9	0.039	-
Gandhibari Namghar	ASGL10	24	0.131	-
Garampani	ASGL15	26	0.392	-
Garigaon	ASGL17	11	0.835	-
Golaghat	83F2D1	13	0.14	-
Haldibari Buri Ai	ASGL13	27	0.335	-
Kamargaon	83J2A4	12	0.794	-
Kamargaon1	83F2C1	12	-	0.391
Kohra kaziranga	83F2B1	21	0.025	-
Oating	83J3A1	34	0.34	-
District: Hailakandi				
Burakhai	ASHL08	24	0.109	-

District/Station	Well No	No of Data	Rise (meter/yr.)	Fall (meter/yr.)
Katlicherra N	ASHL02A	30	0.325	-
Lakhinagar	ASHL09	7	-	0.094
Lala	ASHL10	7	0.087	-
Monacherra	83D2C3	22	0.078	-
Panchgram New	ASHL05A	30	0.06	-
Syedband Part II	ASHL01A	29	0.178	-
District: Hojai				
Lanka	83C1D1	27	0.262	-
Lumding	83G1A1	25	-	0.493
Tirchang	ASNG47	7	0.16	-
Zebra Khua	ASNG33	10	0.467	-
District: Jorhat				
Bijay Nagar	ASJR33	13	-	0.058
Chandan Nagar	ASJR23	15	0.061	-
Chengal Ati	ASJR24	8	0.339	-
Chutuyakari	ASJR31	7	0.038	-
Cinamara Tiniali	ASJR27	10	0.347	-
Cinemora	ASJR18	27	0.243	-
Dabarapara charali	83J2B3	32	0.143	-
Dahotia	ASJR29	15	0.153	-
Gatisunga	ASJR37	5	0.965	-
Kakojan1	83J1B1	11	0.047	-
Kamarbandha	ASJR34	15	0.369	-
Kokilamukh	83J1A3	30	-	0.02
Kolakhowa	ASJR20	17	0.649	-
Kunwari Pukhuri	ASJR35	15	-	0.076
Lichubari	ASJR21	25	0.343	-
Mariani	83J2B4	21	0.581	-
Meleng Kaparadharia	ASJR28	26	0.125	-
Nefa Tiniali	ASJR30	11	0.188	-
Rajoi TG	83J2B5	12	-	0.105
Rangajan PHE Sc	ASJR26	9	0.161	-
Saklatinga TGI	83J2A11	12	0.215	-
Saruhoj	ASJR19	8	0.152	-
Selenghat	83J2B2	14	0.295	-
Sodial Kacharigaon	ASJR22	27	0.218	-
Tipamia	83J2A6	12	0.198	-
Titabor	83J2A7	30	0.125	-
Titabor	ASJR36	5	-	0.562
District: Kamrup				
Abhaipur	ASKM44	22	0.196	-
Agyathuri	78N4C2	32	0.253	-
Alikash Adarsh	78N4C16	25	-	0.125
Bamunigaon1	78N4B3	27	-	0.063
Boko	78O1A1	12	-	0.093
Boko1	ASKM39	17	-	0.13
Chandrapur	78N4D9	9	0.854	-
Chhaygaon	ASKM41	26	0.228	-
Darkuchi	78N2C4	27	-	0.108
Dhobartari	ASKM45	20	-	0.204
Dora Kahara	ASKM47	20	-	0.253

District/Station	Well No	No of Data	Rise (meter/yr.)	Fall (meter/yr.)
Hajo	78N4C5	33	-	0.004
Kachkatchi	ASKM49	24	0.047	-
Kahara	78N3C2	18	0.173	-
Mirza	ASKM42	28	0.258	-
Rajapara	78O1A3	33	0.013	-
Rangia	78N3C1	21	-	0.274
Rani	ASKM32	7	0.818	-
Sualkuchi	78N4C11	30	0.008	-
Tarani	ASKM48	14	-	0.006
District: Kamrup Metro				
Amingaon	ASKM46	21	0.05	-
Azara	78N4C1	13	-	0.173
Bamfor	ASKM50	26	-	0.011
Boragaon	78N4C7	24	0.585	-
Dirgheswari	78N4C12	21	-	0.112
Kahilipara	78N4D7	13	0.377	-
Khanapara	78N4D3	13	0.045	-
Khetri	83B4A3	19	0.075	-
Khetri II	ASKM51	24	-	0.119
Maligaon	78N4C6	13	0.912	-
Paltan bazar	78N4C14	11	0.274	-
Rani1	78N4C9	24	-	0.031
Rani2	ASKM43	27	0.008	-
Samanta Pathar	ASKM36A	17	0.246	-
Sonapur	83B4A2	31	-	0.026
Sonapur II	ASKM52	27	0.246	-
Topatoli	83B4A4	30	-	0.209
Topatoli New	ASKM35A	19	-	0.003
Zoo narangi rd	78N4D2	13	-	0.944
District: Karbi Anglong				
Adarakha Tiniali	ASKA44	21	0.185	-
Amlokhi	ASKA53	15	0.048	-
Balipathar	83F4D3	31	-	0.006
Bokajan	83F4D2	5	0.138	-
Bokajan I	ASKA41	27	-	0.286
Bokajan II	ASKA42	28	0.112	-
Bokoliaghat	ASKA34	24	0.004	-
Borjan	83F4B1	5	0.088	-
Deopani	83F4D4	30	0.544	-
Dillai	83G1C4	38	0.061	-
Diphu	83G1B1	19	-	0.871
Diphu(matibung Road)	ASKA57	6	0.401	-
Diphu1	ASKA54	9	-	2.238
Diphu2	ASKA55	7	2.899	-
Dishobai	ASKA35	23	0.598	-
Ghouria Dhubi	ASKA43	18	0.132	-
Habranrangapar	83F4A7	15	0.852	-
Hapjan	83G1C1	9	0.739	-
Hawaiipur	83C1D5	12	-	0.227

District/Station	Well No	No of Data	Rise (meter/yr.)	Fall (meter/yr.)
Hidipi	83F4C1	26	0.365	-
Khatkhati	83G1D3	29	-	0.346
Khatkhati (matipul Nmgr)	ASKA50	13	0.387	-
Khatkhati CRBF	ASKA40	9	0.327	-
Lahorijan	ASKA51	15	0.569	-
Lakhijan	ASKA52	16	0.122	-
Manja Bus Stand	ASKA39	20	0.946	-
Manja Forest	83G1B2	17	0.349	-
Mohendijua	ASKA38	25	0.067	-
Phonglangso	ASKA36	25	0.039	-
Saphapani	ASKA45	26	0.139	-
Sidhampur	ASKA48	7	1.029	-
Silanijan	83F3D1	29	0.039	-
Siljuri	83F2B2	12	-	0.722
Terangaon	ASKA37	23	-	0.083
Boithalansu	83C1C2	12	-	0.14
Donkamokam	83C1C1	19	-	0.041
Kalonga	83C1D2	22	-	0.219
Kheronighat	83C1D3	24	-	0.101
District: Karimganj				
Badarpur	83D1C1	34	0.332	-
Dhulia	83D2B6	30	0.123	-
Harinadik	ASKG14	6	-	0.215
Hatikira	83D3B1	30	0.104	-
Kalinagar	ASKG12	7	0.03	-
Karmganj	ASKG15	23	0.041	-
Kayasthagram	ASKG16	21	0.148	-
Patharkandi	ASKG17	23	0.379	-
Rk Nagar I	83D2B4	33	0.52	-
Sarkaribari	83D2B7	33	0.095	-
Shrigauri	83D1C5	9	0.032	-
District: Kokrajhar				
Balajan	ASDH15	22	-	0.099
Rupshi	78F4D3	31	-	0.099
District: Lakhimpur				
Amguri	ASLK23	26	0.073	-
Basudeothan	83I3B8	7	0.019	-
Bhogpur charali	83E4D1	33	0.024	-
Bihpuria	83E4D4	22	0.093	-
Boginadi(balijan)	83I3A1	16	0.161	-
Borbil Tariyani	ASLK29	12	0.095	-
Dejoo	ASLK24	27	0.052	-
Dholpur	83F1D1	10	-	0.346
Dolanghat chara	83I4A3	31	0.176	-
Harmoti	83E4D6	32	-	0.051
Islampur	83E4D3	30	0.096	-
Kadam	83I3A3	30	0.049	-
Koilamari 6 No Line	ASLK31	12	0.112	-
Laluk	83E4D2	29	-	0.033
Madhupur	ASLK22	19	0.089	-

District/Station	Well No	No of Data	Rise (meter/yr.)	Fall (meter/yr.)
Milanpur	ASLK26	27	0.122	-
Moridirgha	ASLK30	13	0.126	-
N Lakhimpur Ow	ASLK27	7	0.418	-
N.lakhipur(old)	83I4A1	27	0.034	-
Naoboisa	83I4A4	10	0.268	-
Narayanpur	83F1D4	32	0.035	-
Panigaon	83I4A2	26	0.163	-
Pathalipam	83I3B6	32	0.052	-
Pathalipam II	ASLK25	21	0.219	-
District: Morigaon				
Baghara	83B4B2	32	-	0.053
Baropujia	ASMR14	24	-	0.045
Barukati	ASMR27	14	0.086	-
Basanaghat Ow	ASMR19	18	0.106	-
Charibahi Ow	ASMR22	10	0.244	-
Deosal	ASMR12	21	0.082	-
Dharamtul	ASMR29	7	0.702	-
Garmari gaon	83B3A4	28	-	0.146
Jagiroad	83B4A1	32	-	0.075
Kumoi	ASMR15	25	-	0.198
Miarabari	83B3B3	5	0.053	-
Morigaon	83B3B10	26	-	0.256
Nasatra	83B4A5	20	-	0.091
Nelle New	ASMR11	22	-	0.03
Pamibahua	ASMR16	24	0.14	-
Shugumbari	ASMR17	9	-	0.469
Silsang Namghar	ASMR13	10	0.392	-
Solmari Ow	ASMR21	20	-	0.049
District: Nagaon				
Amsoi	83B4B5	29	0.007	-
Balijan/balijuri Ow	ASNG42	20	-	0.075
Bamuni tinali	83B3D9	24	-	0.042
Beldonga mandir	83B4D8	31	-	0.048
Bichamari	83B3B1	30	-	0.146
Bordowa	83B3C2	31	-	0.098
Dakhinpath OW	ASNG44	24	0.059	-
Dalapani	ASNG39	25	-	0.121
Dhing	83B3B6	33	-	0.074
Doboka	83B4D1	30	-	0.215
Ghasibasti Ow	ASNG46	21	-	0.027
Gomotha	ASNG34	24	0.08	-
Haldiati sub bt	83B4D6	30	-	0.072
Hateniibatha	ASNG35	25	-	0.035
Jurapukhuri	83C1D7	30	0.055	-
Kathiatoli	83B4C4	33	-	0.101
Kazirang Tourist Vil	ASNG27	17	-	0.138
Kondali	83B3D5	22	0.027	-
Langteng TE	83F3A2	15	-	0.333
Maharita	ASNG38	11	0.186	-
Nadeorigaon	83B4D2	19	-	0.192
Naltali	ASNG37	26	-	0.011

District/Station	Well No	No of Data	Rise (meter/yr.)	Fall (meter/yr.)
Pahukata	ASNG36	22	0.017	-
Phulaguri	ASNG48	12	0.286	-
Phulaguri R6	83F2A5	23	0.112	-
Silghat	83B2D6	33	-	0.239
Sulung p.o.	83B3D8	32	-	0.007
Telia bebejia	83B3C7	22	-	0.181
District: Nalbari				
Daulasal	ASBP14	25	-	0.07
Daulasal OW	ASBP15	21	-	0.144
Tihu	78N3B3	31	-	0.042
District: Sibsagar				
Athkhel Grant	ASSA05	7	2.333	-
Bandarmari	83I4C14	30	0.251	-
Betbari alimore	83I4C8	19	0.302	-
Borkula	ASS102	10	-	0.25
Demow Sukan	83I4C11	32	0.16	-
Dhapaboria	83I4C5	15	0.266	-
Garbhaga Pwss	ASSA06	12	0.091	-
Geleki	83J1C9	12	-	0.308
Hanumanbagh	83J1C7	12	0.074	-
Madhurigohain Gaon	ASSA03	8	0.771	-
Moranhat	83I4D1	19	0.004	-
Rajabari TE	83I4C7	9	0.82	-
Santak	ASSA04	11	0.529	-
Sapekhati	83M4A1	31	0.023	-
Sibsagar	83J1C2	26	0.113	-
Sonarigaon	ASSA02	8	0.246	-
District: Sonitpur				
18th Mile	ASSP29	27	-	0.017
Balipara	83B1D4	32	0.037	-
Barchola	83B2B5	29	0.068	-
Charduar	83B1D1	32	0.026	-
Dhekiajuli	83B2B2	32	0.033	-
Garumari	83B1D2	32	0.291	-
Jamuguri North	83B2D3	31	0.003	-
Na Pam	ASSP31	23	-	0.005
Tezpur	83B2D2	33	0.015	-
Thelamara	ASSP30	28	0.088	-
Tolakbari OW	ASSP34	26	0.018	-
Tupia	ASSP28	27	0.146	-
District: Tinsukia				
Borgolai	83M3C2	30	0.05	-
Digboi	83M3C1	33	0.152	-
Jagun	83M3D4	33	0.126	-
Jaipur naharjan	83M4B5	30	0.204	-
Kumsang Selenguri	ASTS22	23	0.327	-
Lekhapani	83M3D1	33	0.055	-
Panitola	83M3B4	33	0.29	-
Tinsukia	83M3B2	33	0.082	-
Tipong	ASTS20	25	0.005	-
Tirap gate	83M3D2	33	-	0.002

District/Station	Well No	No of Data	Rise (meter/yr.)	Fall (meter/yr.)
District: Udalguri				
Bengbari	78N2D10	28	-	0.09
Bhalukmari	83B2A7	32	0.09	-
Goroibari	ASDR31	26	0.004	-
Kalaigaon	78N2D3	33	0.014	-
Madhupur	83B2A6	27	-	0.016
Orang	83B2B1	29	0.062	-
Paneri	78N2D9	32	-	0.238
Rowta chariali	83B2A3	33	0.004	-
Tangla/tokken Katta	78N2D2	26	0.477	-
Udalguri	83B2A4	31	-	0.026
Meghalaya				
District: East Garo Hills				
Depa sarangma	78K1D4	16	0.244	-
Darugiri	78K2D2	31	0.023	-
Narringirri	MLEG14	23	-	0.181
Rongjeng	78K2D1	31	-	0.287
Rongmil	78K2D3	31	-	0.119
Baiza Rongreng	MLEG15	21	0.057	-
Dobetkolgiri	MEEG12	18	0.093	-
Samanda Megapagre	MLEG16	21	0.037	-
Williamnagar	78K2C2	28	0.036	-
Dobu	MLEG13	21	-	0.03
Songsak	MLEG17	23	0.015	-
District: East Khasi Hills				
Cherrapunji	78O3C1	26	-	0.03
Dangar	MLEK14	12	0.287	-
Dhankheti	MLEK08	23	-	0.014
Golf Link	MLEK07	22	0.109	-
Lachuamiere	MLEK09	23	0.008	-
Laitkor	MLEKHOW2	7	6.399	-
Lapalang Ow	MLEKHOW5	7	0.41	-
Mawpat	MLEK11	18	-	0.784
Nongmysong	MLEK12	22	0.047	-
Nit Cherrapunji	MLEKHOW6	7	0.565	-
Rynjah (R & R Col)	MLEK10	7	-	2.855
Shillong Polo	78O2D1	10	-	0.771
Water Resources Dept	MLEKOW1	11	-	0.381
District: North Garo Hills				
Bajengdoba	78K1C2	27	-	0.033
Dainadubi	MLEG11	25	0.107	-
Kharkutta	78K1D7	31	0.062	-
Mendal	78K1B1	30	-	0.047
Mendipathar	78K1C1	28	0.014	-
District: Ri-Bhoi				
Byrnihat	MLRB02A	31	0.099	-
Lumkeni	MLRBOW7	14	0.361	-
Nayabunglow	MLRB04	15	0.529	-
Nongpoh	78O1D1	27	0.027	-

District/Station	Well No	No of Data	Rise (meter/yr.)	Fall (meter/yr.)
Nongladew	MLRBOW02	14	-	0.012
Patharkhamma Barigaon	MLRB9	12	0.184	-
Pahanmawlier	MLRB06	19	-	0.102
Purduwa	MLRBOW4	14	-	0.007
Rpbf Kyrdemkulai	MLRBOW9	7	-	2.969
Sohpdok	MLRBOW5	14	-	0.221
Tamanpahlong	MLRB	12	0.044	-
Tdohumshaiw	MLRBOW6	14	-	0.471
Umsaw	MLRBOW1	14	0.061	-
Umroi Maidan	MLRB8	12	-	0.014
District: South West Garo Hills				
Ampati	78G3D1	21	0.237	-
Betasing II	ASWG25	13	0.485	-
Garobandha	78K2A1	21	0.198	-
Mahendraganj	78G3D2	16	-	0.021
Zikzak	78G3D3	16	-	0.145
Zikzak	78G3D5	9	-	0.173
District: West Garo Hills				
Barengapara	78K4A1	13	-	0.343
Barengapara II	ASWG22	7	0.131	-
Borkona	78G2D4	8	-	0.93
Kherapara	78K3A2	11	-	0.102
Dalu	MLWG25	12	0.211	-
Purkhasia	78K3A1	22	0.045	-
Asanang	78K2B1	27	-	0.109
Baljek	ASWG17	22	0.019	-
Rongram	ASWG18	24	-	0.066
Snalgre	MLWG23	12	-	0.094
Damjongre	MLWG21	12	-	0.304
Nidanpur	78K1A3	21	-	0.167
Nidanpur II	ASWG19	11	-	0.067
Phulbari	78K1A1	30	0.028	-
Rajabala	ASWG26	16	-	0.009
Salsella	MLWG22	13	0.177	-
Belguri	ASWG21	21	-	0.018
Phutamati	ASWG20	24	0.093	-
Tikrikilla	78K1A2	29	0.727	-
District: West Jaintia Hills				
Dauki	83C4A1	31	0.17	-
Jowai	83C3A1	31	0.042	-
District: West Khasi Hills				
Mairang N	MLWK02	7	0.29	-
Mairang	78O2C1	24	0.014	-
Nagaland				
District: Dimapur				
3 Mile Bazar	NLDM19	17	1.003	-
7th Mile Colony	NLDM21	20	0.508	-

District/Station	Well No	No of Data	Rise (meter/yr.)	Fall (meter/yr.)
Bade Bazar	NLDM25	15	0.29	-
Chumkidima	83G1D1	26	0.153	-
Dhansiripar	83G1C5	24	0.162	-
Diphupar	NLDM22	20	0.292	-
Doyabur DMC	NLDM12	19	0.547	-
Industrial Estate	83G1C7	23	0.066	-
Kacharigaon	NLDM26	9	-	0.028
Maibiram	NLDM13	18	0.685	-
Marwari Colony	83G1C9	21	-	0.137
Purana Bazar	83G1C10	22	0.472	-
Rilayan Colony	NLDM24	17	2.312	-
Seirujha Colony	83G9GM11	26	1.836	-
Singrijan	83G1C6	28	0.112	-
Thilaxu Block-II	NLDM16	20	0.105	-
Urta Bazar	NLDM14	15	0.197	-
Wildlife Office Dimapur	83G1C2	21	1.047	-
Zakesatho Colony	NLDM23	20	0.641	-
Zion Hospital	NLDM18	8	0.11	-
District: Kohima				
Cathedral Complex	83K2A1	22	0.038	-
NLSA Complex	83K2A2	21	-	0.004
Sepfuzou Colony	83K2A3	22	0.603	-
District: Mokokchung				
Lampi	83J3B1	22	0.03	-
District: Mon				
Mon Town	83N2GM14	20	0.609	-
Namsa	83J1D1	21	0.177	-
District: Peren				
Jalukie	83G2C1	22	0.498	-
District: Phek				
Phek Town	83K6GM13	20	0.276	-
District: Tuensang				
Tuensang	83J16GM12	19	-	0.51
District: Wokha				
New Market	83J4B2	20	0.837	-
Tourist Lodge	83J4B1	21	0.214	-
Wokha Town	83N2GM15	10	-	0.501
Tripura				
District: Dhalai				
Kamalpur	78P4D1	31	0.039	-
Kulai	TRDL 08	6	0.372	-
Ambassa	79M1D1	9	-	0.472
Ambassa N	TRDL06	22	-	0.785
Darlang Basti	TRDL02	20	0.014	-
Durga Chowmuhani	TRDL01	20	0.199	-
Manu	78P4D3	5	0.156	-

District/Station	Well No	No of Data	Rise (meter/yr.)	Fall (meter/yr.)
Manu N	TRDL05	27	0.125	-
Sindhu Kumar	TRDL07	15	0.155	-
Abhanga N	TRDL04	29	0.189	-
District: Gomti				
Dewanbari	TRGM04	6	-	1.311
Joingkami	TRGM03	5	-	0.148
Noabari-2	TRGM02	6	0.173	-
Amarpur	TRST05	24	-	0
Bampur	TRST 06	26	0.111	-
Jatanbari	TRGM01	15	0.209	-
Ampi Colony	TRST07	20	0.671	-
Kankraban	TRST12	26	-	0.137
Dhawaj nagar Udaipur	79M2B8	32	0.11	-
Garjee Bazar	79M3B4	31	0.158	-
Naobari	TRST04	17	0.174	-
District: Khowai				
Chakmaghat Ew	TRWT02	7	-	0.08
Chakmaghat Ow	TRWT03	7	-	0.197
Totabari Ew	TRKH02	6	-	0.239
Kalyanpur	79M1C2	33	0.056	-
Bagan Bazar	TRWT33	17	0.339	-
Khowai	78P4C5	33	0.015	-
45miles	TRKH01	14	-	0.2
Tuimadhu	TRWT37	25	0.085	-
Paschim Howaibari	TRWT34	25	0.112	-
District: North Tripura				
Kanchanpur Court Ow	TRNT01	7	-	0.352
Kanchanpur	84A1A1	26	0.13	-
Satnala	TRNT16	20	0.013	-
Bagbasa N	TRNT10	28	0.028	-
Baghbassa	83D3A3	6	0.112	-
Churaibari	TRNT23	15	0.115	-
Dharmanagar	83D3B2	33	0.101	-
Lalchhara	TRNT22	14	0.079	-
Sanicherra	TRNT24	15	0.844	-
Laljuri	TRNT15	22	0.016	-
Naba Joypara (natun	TRNT20	15	0.318	-
Deocherra	TRNT25	15	0.059	-
Kunjanagar	TRNT21	14	-	0.077
Panisagar	83D4A1	32	0.024	-
Krishnapur	TRNT19	14	0.408	-
Rajnagar	TRNT13	24	0.073	-
District: Sipahijala				
Bishalgarh	79M2B1	20	-	0.246
Dakshin Kalamcherra	TRWT04A	31	0.006	-
Golaghati	TRSJ01	15	-	0.114
Gongrai	TRWT36	26	0.087	-
Kathalia bazar	79M3B5	32	-	0.013
Lalmaibari	TRSJ03	6	-	0.049

District/Station	Well No	No of Data	Rise (meter/yr.)	Fall (meter/yr.)
Shivnagar	TRSJ02	6	0.23	-
Sonamura	79M3B1	10	0.007	-
Sonamura1	79M3B6	20	0.337	-
Tufaniamura	TRWT35	24	0.143	-
District: South Tripura				
Amlı Ghat	TRST35	9	-	1.08
Anandabandu Para	TRST42	9	-	0.107
Baishanbpur	TRST30	9	-	1.626
Bankul Mahamani	TRST	6	-	0.039
Bijaynagar	TRST32	8	-	0.107
Ghorakhappa	TRST41	8	-	0.093
Kalirbazar	TRST29	9	0.103	-
Magroom	TRST31	9	-	0.042
Motu Mogpara	TRST33	5	0.118	-
Poangbarı	TRST37	9	-	1.446
Purba Takka	TRST38	9	-	0.878
Rajib Nagar Ew	TRST28	7	0.349	-
Santirbazar	79M3C1	9	0.391	-
Santirbazar Purba	TRST13	12	0.27	-
Srinagar	TRST36	9	0.33	-
Tuichama Ew	TRST26	6	0.901	-
Tuichama OW	TRST27	6	0.28	-
Gardhang	TRST11	23	-	0.004
Hrishyamukh	79M4C4	22	0.256	-
Jhajhari	TRST08	13	-	0.1
Kashari	TRST24	5	2.264	-
Manurmukh	TRST03A	30	0.068	-
Radhanagar	TRST15	22	0.092	-
Rajnagar	TRST14	23	0.154	-
Rangamura	TRST25	7	0.613	-
Kalachhara	TRST10	20	0.232	-
Manu Bazar	TRST 9	25	0.029	-
Sabroom	79M4C1	32	0.095	-
District: Unakoti				
Dumdum	TRUK02	5	0.348	-
Panchamnagar	TRNT17	19	0.056	-
Gauranagar N	TRNT11	32	0.203	-
Jarutalı	TRNT27	14	0.776	-
Chandramanikami	TRNT18	20	0.238	-
Kanchanchhera	TRNT12	25	0.174	-
Kumarghat	83D4A6	32	0.211	-
Karaicherra	TRNT14	22	-	0.396
Pecharthal	83D4A7	33	0.042	-
District: West Tripura				
Narsingharh DTW	TRWT28	28	0.03	-
Sipoyjala	79M2B7	12	0.059	-
Badharghat DTW	TRWT25	27	0.04	-
Badharghat STW	TRWT26	5	-	1.496
East Narayanpur	TRWT40	5	-	0.924
Lichubagan DTW	TRWT21	6	0.682	-

District/Station	Well No	No of Data	Rise (meter/yr.)	Fall (meter/yr.)
Lichubagan STW	TRWT22	24	0.212	-
Suryamaninagar DTW	TRWT23	14	0.154	-
Suryamaninagar STW	TRWT24	15	0.252	-
Subalsingh	TRWT32	24	0.065	-
Chamapnagar1	TRWT39	13	0.491	-
Champaknagar	79M1B6	11	0.606	-
Nagicherra1	TRWT29	27	0.262	-
Nagicherra2	TRWT30	27	0.641	-
Bodhjanagar Dtw	TRWT19	29	0.281	-
Bodhjanagar Stw	TRWT20	26	0.439	-
Ishanpur	TRWT31	24	0.032	-
Mohanpur	79M1B5	15	0.082	-
Mohanpur2	TRWT38	15	0.072	-
Simna	78P4B1	33	0.03	-

ANNEXURE - XX
Chemical Quality of Water Samples Collected from GWMS of NER during March 2019
(Basic constituents & Fe)

District	Location	Type of sample (EW or DW)	pH	EC (µs/cm) 25° C	Turbidity (NTU)	TDS	CO ₃ ⁻²	HCO ₃ ⁻¹	TA (as CaCO ₃)	Cl ⁻	SO ₄ ⁻²	NO ₃ ⁻¹	F ⁻	Ca ⁺²	Mg ⁺²	TH (as CaCO ₃)	Na	K	Fe
ARUNACHAL PRADESH																			
East Siang	Pasighat	DW	7.45	46.19	BDL	24.50	BDL	25.02	25.02	10.64	6.14	1.50	0.08	4.00	4.85	30.00	3.57	1.42	0.07
East Siang	Ruksin	DW	8.17	412.00	BDL	220.30	BDL	75.06	75.06	124.08	54.93	2.20	0.12	26.02	12.12	115.00	58.90	19.07	0.78
East Siang	Satmile	DW	7.56	99.03	BDL	52.73	BDL	35.03	35.03	28.36	7.81	4.80	0.07	8.01	3.64	35.00	15.22	5.52	0.07
Lohit	Lathow	DW	7.64	92.22	BDL	47.25	BDL	35.03	35.03	14.18	6.35	1.06	0.26	18.01	1.21	35.00	7.43	0.29	1.11
Lower Subansiri	Bomte	DW	7.33	41.86	BDL	22.09	BDL	15.01	15.01	10.64	11.52	0.73	0.06	4.00	3.64	25.00	5.32	0.53	0.02
Papum Pare	Doimukh	DW	8.08	166.90	BDL	86.88	BDL	65.05	65.05	24.82	28.03	0.54	0.23	16.01	6.06	65.00	18.37	2.86	0.08
Papum Pare	Kimin	DW	8.23	182.50	BDL	96.43	20.00	65.07	85.07	28.36	28.13	0.31	0.26	20.02	7.27	80.00	27.77	1.74	0.06
Papum Pare	Nirjuli (H)	DW	7.68	154.10	BDL	80.61	BDL	45.04	45.04	31.91	8.55	1.02	0.15	16.01	4.85	60.00	8.40	1.42	9.81
Papum Pare	Nirjuli (P)	DW	8.23	342.60	BDL	181.20	BDL	135.11	135.11	53.18	16.16	9.30	0.24	40.03	7.26	130.00	25.72	3.51	0.24
Papum Pare	Sonajuli	DW	7.91	136.70	BDL	72.46	BDL	60.05	60.05	17.73	20.65	1.31	0.18	10.01	8.49	60.00	9.76	1.60	3.36
ASSAM																			
Baksa	Tamulpur	DW	8.48	353.20	BDL	179.20	30.00	95.10	125.10	31.91	54.90	2.03	0.35	48.04	4.83	140.00	27.60	10.31	0.14
Barpeta	Sarupeta	DW	8.33	381.20	BDL	202.00	60.00	125.15	185.15	24.82	16.50	7.05	0.41	40.03	25.47	205.00	15.01	2.54	0.06
Barpeta	Sorbhog	DW	8.21	491.30	BDL	264.10	50.00	165.17	215.17	53.18	37.02	3.34	0.38	46.04	20.61	200.00	39.96	13.69	0.14
Biswanath	Bihupukhuri	DW	7.42	130.00	BDL	67.66	BDL	40.03	40.03	10.64	18.72	1.54	0.17	8.01	4.85	40.00	8.71	2.68	0.19
Biswanath	Biswanath Ghat	DW	8.12	231.90	0.30	123.70	BDL	70.06	70.06	42.54	42.24	0.70	0.15	28.02	6.05	95.00	20.18	3.63	2.28
Biswanath	Borgang New	DW	8.29	484.10	BDL	256.20	20.00	140.13	160.13	77.99	11.11	3.46	0.84	40.03	8.48	135.00	44.43	16.06	0.14
Biswanath	Buroighat	DW	8.08	122.50	0.20	64.29	BDL	50.04	50.04	17.73	23.23	0.73	0.19	10.01	7.28	55.00	12.53	1.58	0.37
Biswanath	Gohpur New	DW	7.41	400.50	BDL	210.10	BDL	115.09	115.09	77.99	25.66	3.45	0.25	20.02	9.70	90.00	46.15	14.72	2.25
Biswanath	Helem	DW	8.35	486.10	BDL	253.40	40.00	155.16	195.16	67.36	14.47	2.55	1.00	32.03	23.04	175.00	39.28	13.45	1.41
Bongaigaon	Abhyapuri	DW	7.95	93.04	BDL	49.38	BDL	40.03	40.03	24.82	5.36	2.32	0.13	4.00	8.49	45.00	9.46	2.64	0.03
Bongaigaon	Baitamari	DW	8.53	268.50	BDL	143.10	20.00	75.08	95.08	49.63	24.72	2.83	0.38	28.02	7.27	100.00	32.89	3.81	0.04
Bongaigaon	Bongaigaon New	DW	8.31	517.90	BDL	276.80	30.00	90.10	120.10	106.35	66.67	6.61	0.55	38.03	14.54	155.00	57.93	27.94	0.36
Bongaigaon	Chalantapara	DW	8.29	255.50	BDL	136.70	30.00	95.10	125.10	17.73	18.94	2.27	0.36	30.02	12.12	125.00	13.69	1.37	2.18

District	Location	Type of sample (EW or DW)	pH	EC ($\mu\text{s}/\text{cm}$) 25° C	Turbidity (NTU)	TDS	CO_3^{-2}	HCO_3^{-1}	TA (as CaCO ₃)	Cl ⁻	SO_4^{-2}	NO_3^{-1}	F ⁻	Ca ⁺²	Mg ⁺²	TH (as CaCO ₃)	Na	K	Fe
Bongaigaon	Chaprakata	DW	8.26	440.10	BDL	213.10	20.00	95.09	115.09	70.90	45.28	1.08	0.42	20.02	12.13	100.00	52.85	17.95	0.18
Bongaigaon	Chaprakata New	DW	8.43	493.30	BDL	238.70	70.00	175.20	245.20	28.36	18.04	1.55	0.51	18.01	49.75	250.00	17.70	2.95	0.05
Bongaigaon	Majgaon	DW	7.84	149.00	BDL	73.48	BDL	75.06	75.06	24.82	7.34	0.82	0.29	20.02	4.84	70.00	10.76	1.91	0.29
Bongaigaon	Manikpur	DW	8.39	395.00	BDL	260.18	30.00	150.14	180.14	46.09	27.20	1.24	0.52	26.02	31.54	195.00	19.25	5.76	0.13
Bongaigaon	North Salmara	DW	7.96	184.50	BDL	120.41	BDL	45.04	45.04	53.18	21.92	0.69	0.38	6.00	2.42	25.00	38.94	10.80	0.14
Cachar	Atalbasti	DW	8.03	62.47	BDL	32.13	BDL	25.02	25.02	42.54	12.61	1.77	0.05	8.01	3.64	35.00	22.32	2.83	0.15
Cachar	Badribasti	DW	7.84	253.30	0.30	132.00	BDL	20.02	20.02	116.99	16.13	5.68	0.03	10.01	12.13	75.00	46.76	6.32	0.05
Cachar	Borjalinga	DW	8.17	70.80	BDL	37.03	BDL	50.04	50.04	24.82	4.72	0.17	0.15	8.01	6.06	45.00	10.98	4.17	BDL
Cachar	Borjalinga	DW	8.16	124.00	0.10	63.99	BDL	30.02	30.02	42.54	40.86	1.18	0.06	8.01	3.64	35.00	28.95	14.21	0.13
Cachar	Borkhola	DW	8.02	177.50	BDL	91.23	BDL	40.03	40.03	60.27	28.13	2.93	0.10	12.01	7.28	60.00	30.78	7.38	2.37
Cachar	Dargakona	DW	7.86	400.10	BDL	208.10	BDL	60.05	60.05	77.99	92.60	3.04	0.25	38.03	7.26	125.00	38.82	19.88	1.81
Cachar	Digharkhal	DW	8.25	402.20	BDL	208.70	20.00	205.18	225.18	120.53	39.30	1.04	0.21	34.03	6.05	110.00	31.03	6.05	0.86
Cachar	Dwarbond	DW	8.07	506.40	BDL	261.34	BDL	100.08	100.08	145.35	66.30	2.01	0.20	62.05	7.25	185.00	49.62	25.40	BDL
Cachar	Fulertol	DW	7.85	216.40	BDL	111.90	BDL	50.04	50.04	63.81	38.75	0.65	0.11	14.01	4.85	55.00	39.67	11.98	0.09
Cachar	Kalain	DW	8.21	452.20	BDL	234.70	30.00	80.09	110.09	106.35	34.07	2.72	0.20	40.03	12.12	150.00	39.93	29.90	0.38
Cachar	Katigora	DW	7.82	145.50	BDL	75.01	BDL	55.04	55.04	46.09	16.58	1.23	0.08	18.01	7.27	75.00	18.70	1.17	0.05
Cachar	Moinarbond	DW	8.34	320.20	BDL	167.20	50.00	120.14	170.14	31.91	14.15	2.09	0.61	40.03	10.90	145.00	36.80	1.71	1.94
Cachar	Nadirgram	DW	8.26	278.80	BDL	144.00	20.00	75.08	95.08	46.09	43.82	0.80	0.24	34.03	8.48	120.00	24.78	11.49	0.43
Cachar	Palanghat	DW	8.35	424.20	BDL	220.60	50.00	125.14	175.14	49.63	19.10	5.23	0.37	30.02	27.90	190.00	27.16	4.45	1.94
Cachar	Poilapul	DW	8.04	117.50	BDL	60.04	BDL	50.04	50.04	60.27	7.31	1.29	0.11	14.01	4.85	55.00	28.22	5.28	2.07
Cachar	Razabazar	DW	7.31	168.80	BDL	87.81	BDL	65.05	65.05	35.45	26.15	1.26	0.21	14.01	10.92	80.00	16.31	4.33	0.23
Cachar	Shivachal	DW	7.77	318.70	BDL	165.50	BDL	90.07	90.07	81.54	52.38	2.20	0.21	28.02	14.55	130.00	35.99	12.93	BDL
Cachar	Shivtila	DW	7.19	158.20	BDL	82.09	BDL	25.02	25.02	60.27	28.29	1.42	0.10	12.01	7.28	60.00	25.21	7.86	BDL
Cachar	Silcoorie	DW	7.45	360.00	BDL	186.80	BDL	75.06	75.06	141.80	19.25	2.01	0.25	36.03	6.05	115.00	49.95	27.71	4.37
Cachar	Tarapur	DW	5.67	284.00	BDL	146.60	BDL	20.02	20.02	106.35	4.85	11.14	BDL	16.01	6.06	65.00	36.88	14.73	0.01
Chirang	Bijni	DW	8.21	373.40	BDL	190.60	30.00	125.12	155.12	35.45	34.98	3.20	0.49	14.01	29.12	155.00	27.00	5.32	0.64
Dhemaji	Bijoypur	DW	8.29	497.10	BDL	259.10	40.00	155.16	195.16	46.09	52.51	3.39	0.29	42.03	20.61	190.00	41.35	7.27	BDL
Dhemaji	Dhemaji	DW	8.33	341.10	BDL	176.60	70.00	80.12	150.12	28.36	43.52	0.56	0.21	44.04	13.33	165.00	34.09	4.80	0.10
Dhemaji	Dipa	DW	7.76	116.40	BDL	60.72	BDL	60.05	60.05	10.64	18.54	0.90	0.15	14.01	3.63	50.00	10.91	2.21	0.27
Dhemaji	Jonai	DW	7.91	129.10	BDL	67.32	BDL	55.04	55.04	24.82	15.11	0.78	0.14	14.01	4.85	55.00	14.46	1.10	0.10
Dhemaji	Moridhal	DW	8.43	393.60	BDL	206.30	20.00	90.09	110.09	85.08	32.08	3.10	0.36	30.02	12.12	125.00	42.86	17.14	0.15

District	Location	Type of sample (EW or DW)	pH	EC ($\mu\text{s}/\text{cm}$) 25° C	Turbidity (NTU)	TDS	CO ₃ ⁻²	HCO ₃ ⁻¹	TA (as CaCO ₃)	Cl ⁻	SO ₄ ⁻²	NO ₃ ⁻¹	F ⁻	Ca ⁺²	Mg ⁺²	TH (as CaCO ₃)	Na	K	Fe
Dhemaji	Santipur	DW	8.11	169.90	BDL	88.19	BDL	80.06	80.06	17.73	19.47	0.91	0.61	20.02	7.27	80.00	7.17	3.96	2.26
Dhubri	Bagribari	DW	7.36	168.90	BDL	86.04	BDL	35.03	35.03	42.54	17.73	3.77	0.20	10.01	6.06	50.00	22.36	1.60	0.67
Dhubri	Balajan	DW	8.30	697.00	BDL	356.60	60.00	185.20	245.20	120.53	12.58	6.61	1.10	30.02	37.61	230.00	57.50	35.91	0.32
Dhubri	Chapara	DW	8.29	436.00	BDL	229.30	60.00	155.17	215.17	35.45	32.77	2.95	0.84	32.03	30.32	205.00	27.22	17.56	0.11
Dhubri	Dakhin Tokesara	DW	8.36	521.50	BDL	269.40	50.00	140.15	190.15	85.08	37.77	2.17	0.70	28.02	12.12	120.00	56.22	2.45	0.74
Dhubri	Dhubri Town	DW	8.23	828.20	BDL	431.50	90.00	230.26	320.26	145.35	40.30	3.14	1.10	22.02	59.46	300.00	51.08	5.41	0.41
Dhubri	Panbari	DW	7.62	143.50	BDL	73.98	BDL	20.02	20.02	42.54	6.83	7.08	0.14	6.00	3.64	30.00	19.38	7.55	0.07
Dhubri	Shapamara Beat	DW	7.56	57.79	BDL	29.66	BDL	30.02	30.02	14.18	3.05	1.44	0.16	4.00	2.43	20.00	9.95	3.82	0.02
Dibrugarh	AzarguriGaon	Hand Pump - 40 ft.	7.84	270.80	BDL	139.60	BDL	125.10	125.10	24.82	22.83	0.41	0.53	16.01	20.62	125.00	9.52	0.62	2.45
Dibrugarh	Barbaruah	Hand pump- 80 ft.	8.18	358.10	BDL	185.50	BDL	85.07	85.07	53.18	53.18	4.24	0.19	14.01	10.92	80.00	42.82	9.35	0.30
Dibrugarh	Dikom	DW	8.04	271.40	BDL	139.20	BDL	125.10	125.10	17.73	14.36	2.81	0.67	30.02	10.91	120.00	5.44	0.81	0.25
Goalpara	Agia	DW	7.23	166.40	BDL	86.04	BDL	75.06	75.06	35.45	7.44	6.67	0.38	12.01	12.13	80.00	14.99	0.88	0.11
Goalpara	Baida	DW	6.40	49.50	BDL	26.05	BDL	30.02	30.02	24.82	4.31	2.30	0.17	8.01	6.06	45.00	7.80	1.66	0.03
Goalpara	Demra	DW	7.58	138.20	BDL	71.98	BDL	70.06	70.06	35.45	8.82	0.61	0.27	20.02	7.27	80.00	10.76	5.71	BDL
Goalpara	Dudhnoi	DW	7.40	332.20	BDL	174.40	BDL	60.05	60.05	109.90	24.81	2.29	0.13	24.02	8.48	95.00	44.16	17.16	0.01
Goalpara	Ronguli	DW	7.23	140.60	BDL	78.26	BDL	30.02	30.02	42.54	12.07	0.60	0.17	22.02	6.06	80.00	2.75	3.78	0.02
Golaghat	Bokakhat	DW	7.46	149.10	0.20	75.87	BDL	65.05	65.05	17.73	20.05	0.87	0.25	10.01	6.06	50.00	14.78	2.54	6.29
Golaghat	Haldhibari buri Ai	DW	8.31	554.10	BDL	271.40	40.00	140.14	180.14	53.18	46.80	1.77	1.50	28.02	15.76	135.00	38.02	53.40	0.06
Golaghat	Oating	DW	8.41	1052.00	0.50	534.60	100.00	380.38	480.38	99.26	5.05	2.31	4.40	8.01	4.85	40.00	176.28	32.28	0.36
Hailakandi	Burakhai	DW	7.71	183.30	BDL	93.87	BDL	60.05	60.05	60.27	21.04	1.20	0.15	26.02	14.55	125.00	7.84	1.65	0.95
Hailakandi	Katlicherra New	DW	8.43	558.10	BDL	287.20	30.00	130.13	160.13	99.26	38.89	2.66	0.45	52.04	46.09	320.00	18.38	1.63	0.24
Hailakandi	Lakhinagar	DW	8.59	296.30	BDL	152.70	30.00	125.12	155.12	31.91	5.28	0.66	0.27	40.03	15.76	165.00	11.17	1.17	BDL
Hailakandi	Lala	DW	7.82	149.80	BDL	76.70	BDL	55.04	55.04	49.63	6.46	1.00	0.10	24.02	9.70	100.00	5.77	0.93	BDL
Hailakandi	Panchgram New	DW	7.79	256.80	BDL	131.30	BDL	55.04	55.04	81.53	35.14	5.02	0.14	16.01	15.77	105.00	30.48	9.94	BDL
Hailakandi	Syedbond Part II	DW	8.51	281.40	BDL	144.40	30.00	105.11	135.11	35.45	16.69	1.09	0.31	42.03	9.69	145.00	14.67	7.28	BDL
Hojai	Lumding	DW	8.31	1292.00	BDL	703.30	300.00	105.32	405.32	180.80	21.72	9.69	1.30	52.04	86.14	485.00	74.62	2.39	0.11
Jorhat	Cinamora	DW	8.41	1088.00	BDL	546.80	40.00	120.13	160.13	290.69	36.77	6.50	0.44	12.01	40.04	195.00	95.48	17.27	3.02
Jorhat	Kunwari Pukhuri	DW	7.38	127.10	BDL	64.74	BDL	55.04	55.04	28.36	10.61	1.27	0.21	10.01	4.85	45.00	18.53	2.93	0.66

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Jorhat	Lichubari	DW	7.09	205.50	BDL	105.40	BDL	35.03	35.03	60.27	27.26	0.89	0.13	6.00	4.85	35.00	38.82	6.44	1.78
Jorhat	Meleng Kaparadhara	DW	7.10	149.20	0.10	76.34	BDL	35.03	35.03	35.45	27.44	1.38	0.13	8.01	4.85	40.00	22.81	7.77	0.25
Jorhat	Titabor	DW	8.37	613.90	BDL	311.60	40.00	170.17	210.17	74.44	35.29	1.55	0.82	18.01	48.53	245.00	30.24	6.31	0.06
Kamrup	Alikash Adarsh	DW	8.31	478.10	BDL	247.40	50.00	105.12	155.12	85.08	30.41	6.37	0.54	20.02	35.18	195.00	13.30	10.84	0.06
Kamrup	Amingaon	DW	8.24	445.40	BDL	295.70	10.00	95.08	105.08	24.81	13.43	13.85	4.70	14.01	25.48	140.00	18.28	2.26	0.06
Kamrup	Bamunigaon	DW	6.77	48.81	BDL	25.46	BDL	35.03	35.03	24.82	10.24	0.96	0.34	8.01	6.06	45.00	12.47	0.21	0.48
Kamrup	Darkuchi	DW	8.03	196.00	BDL	100.40	BDL	70.06	70.06	31.91	21.18	0.80	0.45	12.01	4.85	50.00	22.33	11.86	0.90
Kamrup	Dora Kahara	DW	8.32	661.00	BDL	341.40	40.00	130.14	170.14	120.53	67.03	11.17	0.82	24.02	36.40	210.00	60.22	33.80	0.24
Kamrup	Hajo	DW	8.34	1191.00	BDL	614.30	80.00	385.37	465.37	152.44	30.43	4.79	1.30	8.01	100.72	435.00	68.93	39.96	0.64
Kamrup	Rangia	DW	8.45	1010.00	BDL	519.90	50.00	285.27	335.27	99.26	61.29	7.05	1.20	4.00	67.96	290.00	65.55	36.96	0.18
Kamrup	Rani	DW	7.10	91.24	BDL	47.67	BDL	35.03	35.03	31.91	13.60	0.30	0.13	10.01	4.85	45.00	13.17	7.04	BDL
Kamrup	Sualkuchi	DW	8.33	1543.00	BDL	798.50	50.00	410.37	460.37	258.79	67.74	14.28	0.88	6.00	117.72	500.00	108.13	43.81	BDL
Kamrup (M)	Khetri II	DW	8.30	377.80	0.10	203.10	20.00	80.08	100.08	70.90	27.31	1.20	0.36	26.02	13.34	120.00	39.24	3.37	0.63
Kamrup (M)	Sonapur	DW	6.97	334.00	BDL		BDL	45.04	45.04	85.08	28.88	0.82	0.16	22.02	10.91	100.00	27.07	7.74	0.98
Kamrup (M)	Sonapur II	DW	7.08	292.50	0.30	160.10	BDL	30.02	30.02	106.35	23.85	4.28	0.24	10.01	7.28	55.00	58.35	2.56	0.13
Kamrup (M)	Topatoli	DW	8.32	253.00	0.20	137.20	30.00	70.08	100.08	35.45	21.26	0.64	0.54	32.03	9.69	120.00	19.64	1.32	0.32
Karbi Anglong	Boithalangsua	DW	8.40	481.50	BDL	257.00	40.00	120.13	160.13	74.45	20.13	6.73	0.98	38.03	21.83	185.00	27.99	22.02	0.08
Karbi Anglong	Bokajan-I	DW	6.95	266.90	BDL	145.70	BDL	45.04	45.04	74.45	5.37	10.15	0.17	22.02	8.48	90.00	24.38	0.58	0.07
Karbi Anglong	Deopani	DW	8.42	347.80	BDL	186.90	20.00	50.06	70.06	56.72	18.75	1.08	0.50	40.03	6.05	125.00	13.96	1.12	1.96
Karbi Anglong	Dillai	DW	8.41	739.70	BDL	403.40	30.00	90.10	120.10	216.25	4.70	0.78	0.38	54.04	20.60	220.00	71.65	13.94	0.51
Karbi Anglong	Kalanga	DW	6.86	115.40	BDL	62.11	BDL	25.02	25.02	39.00	11.10	1.67	0.74	10.01	3.64	40.00	16.53	4.55	0.15
Karbi Anglong	Kheronighat	DW	6.98	157.60	BDL	84.91	BDL	25.02	25.02	46.09	6.14	5.79	0.96	6.00	6.07	40.00	25.67	1.19	0.10
Karbi Anglong	Manja	DW	7.22	299.30	0.50	163.10	BDL	55.04	55.04	99.26	22.30	0.81	0.28	16.01	6.06	65.00	49.07	7.60	5.01
Karbi Anglong	Silanijan	DW	7.73	225.00	BDL	113.80	BDL	20.02	20.02	77.99	25.05	2.24	0.34	4.00	4.85	30.00	46.12	8.44	0.08

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Karimganj	Badarpur	DW	7.55	288.10	BDL	148.00	BDL	45.04	45.04	77.99	57.90	3.16	0.12	26.02	15.76	130.00	23.10	8.30	BDL
Karimganj	Dhaulia	DW	8.45	299.30	BDL	149.70	30.00	135.13	165.13	31.91	4.56	1.36	0.66	38.03	16.97	165.00	12.58	2.03	0.36
Karimganj	Hatikira	DW	8.09	474.20	BDL	242.60	BDL	185.15	185.15	63.81	25.16	3.35	0.33	42.03	10.90	150.00	34.63	17.08	0.64
Karimganj	Kalinagar	DW	8.51	300.70	BDL	155.90	20.00	155.14	175.14	42.54	1.84	1.35	0.66	12.01	29.12	150.00	18.23	11.69	0.38
Karimganj	Karimganj	DW	7.50	751.40	BDL	386.10	BDL	360.29	360.29	102.81	16.58	3.64	0.32	72.06	37.59	335.00	33.23	9.47	4.95
Karimganj	Kayasthagram	DW	7.34	217.80	BDL	109.40	BDL	80.06	80.06	31.91	13.66	8.47	0.38	18.01	10.91	90.00	12.91	1.33	8.57
Karimganj	Patharkandi	DW	8.15	405.60	BDL	210.60	BDL	190.15	190.15	42.54	52.72	2.17	0.43	70.06	7.25	205.00	17.95	2.94	0.10
Karimganj	R. K. Nagar	DW	7.42	75.44	BDL	38.81	BDL	35.03	35.03	35.45	10.17	1.90	0.11	24.02	2.42	70.00	5.53	1.21	0.03
Karimganj	Sarkaribari	DW	7.51	68.23	BDL	35.33	BDL	40.03	40.03	42.54	3.84	0.33	0.12	12.01	8.49	65.00	9.58	2.16	0.04
Lakhimpur	Amguri	DW	8.09	170.10	BDL	90.84	BDL	85.07	85.07	39.00	21.17	0.70	0.40	22.02	9.70	95.00	17.94	1.24	0.15
Lakhimpur	Bhogpur	DW	8.66	345.50	BDL	180.40	20.00	160.14	180.14	42.54	1.99	1.55	0.49	52.04	12.11	180.00	11.37	3.15	1.40
Lakhimpur	Dijoo	DW	7.81	108.80	BDL	58.13	BDL	50.04	50.04	35.45	11.65	0.83	0.12	12.01	9.70	70.00	9.85	3.27	0.14
Lakhimpur	Harmoti	DW	8.15	343.40	BDL	182.80	BDL	125.10	125.10	67.35	38.97	1.55	0.27	24.02	7.27	90.00	43.69	25.68	0.17
Lakhimpur	Koilamari	DW	7.44	80.62	BDL	41.42	BDL	40.03	40.03	10.64	7.05	1.41	0.11	6.00	4.85	35.00	5.96	3.22	BDL
Lakhimpur	Laluk	DW	8.09	676.70	BDL	361.31	BDL	175.14	175.14	120.53	5.37	0.07	0.35	60.05	14.53	210.00	29.82	11.84	0.17
Lakhimpur	Panigaon	DW	8.07	190.20	BDL	102.10	BDL	115.09	115.09	35.45	5.23	0.75	0.39	26.02	9.70	105.00	16.64	1.31	0.91
Lakhimpur	Pathalipam	DW	7.55	106.10	BDL	55.03	BDL	40.03	40.03	17.73	26.40	0.55	0.07	14.01	3.63	50.00	11.79	2.31	0.10
Morigaon	Baghara	DW	8.45	496.40	BDL	267.80	50.00	140.15	190.15	74.45	24.83	1.12	1.20	42.03	10.90	150.00	57.69	21.61	0.14
Morigaon	Basanghat	DW	8.33	314.20	BDL	168.50	20.00	60.06	80.06	24.82	28.77	2.28	0.92	36.03	2.41	100.00	12.87	12.24	0.04
Morigaon	Deosal	DW	7.22	152.80	0.10	81.63	BDL	45.04	45.04	24.82	21.16	0.71	0.43	12.01	7.28	60.00	12.66	2.42	0.44
Morigaon	Jagiroad	DW	8.36	514.90	BDL	279.10	40.00	80.10	120.10	102.81	37.94	1.92	0.65	42.03	15.76	170.00	46.75	16.14	0.34
Morigaon	Kumoi	DW	8.31	518.90	0.10	279.30	50.00	125.14	175.14	46.09	24.44	0.73	2.50	32.03	26.68	190.00	29.44	3.40	0.15
Morigaon	Mairabari	DW	8.50	1395.00	BDL	761.20	60.00	195.20	255.20	311.96	33.33	5.92	1.60	40.03	55.81	330.00	98.13	31.36	0.15
Morigaon	New Nelle	DW	6.96	73.35	BDL	39.51	BDL	40.03	40.03	24.82	3.37	2.65	0.21	10.01	2.42	35.00	14.28	1.02	0.23
Morigaon	Silchang	DW	8.50	185.10	BDL	101.10	30.00	60.07	90.07	24.81	17.33	0.61	0.87	24.02	8.48	95.00	19.17	3.50	0.42
Nagaon	Beldonga M	DW	7.49	130.90	BDL	70.58	BDL	70.06	70.06	21.27	6.65	0.41	0.60	14.01	8.49	70.00	8.85	0.57	0.13
Nagaon	Bordowa	DW	7.41	154.00	0.40	82.42	BDL	70.06	70.06	28.36	14.20	0.81	0.93	12.01	7.28	60.00	27.62	0.65	0.16
Nagaon	Dalapani	DW	8.32	434.10	0.10	239.80	60.00	135.16	195.16	49.63	24.88	1.52	1.80	56.04	12.11	190.00	40.03	6.62	0.29
Nagaon	Dhing	DW	8.31	537.50	0.10	292.60	50.00	125.14	175.14	74.44	20.48	2.14	1.30	38.03	30.32	220.00	27.56	5.05	1.01
Nagaon	Jurapukhuri	DW	8.45	586.70	0.30	318.70	100.00	185.23	285.23	60.26	6.15	3.83	1.60	58.05	19.39	225.00	58.36	19.32	0.68
Nagaon	Kathiatoli	DW	8.30	581.90	BDL	315.90	40.00	155.16	195.16	113.44	10.41	1.02	0.84	38.03	26.68	205.00	47.88	18.98	0.33

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Nagaon	Langteng TE	DW	7.15	81.84	0.10	44.61	BDL	35.03	35.03	39.00	5.76	1.13	0.20	6.00	2.42	25.00	24.85	2.36	0.71
Nagaon	Lanka	DW	8.47	935.30	BDL		30.00	130.13	160.13	209.16	10.06	0.82	1.10	60.05	29.10	270.00	58.94	18.74	BDL
Nagaon	Phulaguri	TW	8.37	440.10	BDL	224.30	70.00	180.20	250.20	10.64	4.03	2.39	0.99	24.02	21.83	150.00	51.46	1.45	0.68
Nagaon	Silghat	DW	8.34	519.60	BDL	283.60	80.00	175.20	255.20	53.18	25.56	0.82	1.20	52.04	29.10	250.00	37.79	9.97	0.72
Nalbari	Daulsal	DW	8.26	667.10	BDL	342.90	90.00	240.26	330.26	53.18	5.66	2.54	1.10	28.02	48.53	270.00	39.16	28.42	0.29
Nalbari	Dumnibazar	DW	7.47	230.40	BDL	117.60	BDL	95.08	95.08	28.36	15.87	1.23	0.31	20.02	4.84	70.00	21.85	5.96	BDL
Nalbari	Tihu	DW	8.50	585.70	BDL	304.40	50.00	235.23	285.23	56.72	31.37	2.24	1.50	12.01	46.11	220.00	48.80	25.03	0.06
Sibsagar	Sibsagar	DW	8.38	908.60	0.20	468.20	40.00	255.24	295.24	106.35	33.74	2.38	0.67	10.01	74.02	330.00	46.99	6.97	0.06
Sonitpur	18th Mile	DW	8.40	353.60	BDL	186.90	20.00	105.10	125.10	42.54	42.34	2.51	0.48	28.02	9.70	110.00	34.55	14.94	0.73
Sonitpur	Balipara	DW	7.91	150.10	BDL	78.27	BDL	25.02	25.02	17.73	8.31	8.90	0.19	16.01	1.21	45.00	4.56	1.16	0.01
Sonitpur	Barchola	DW	8.24	271.90	BDL	141.80	30.00	90.10	120.10	10.64	31.97	1.17	0.35	38.03	4.84	115.00	17.27	5.02	0.04
Sonitpur	Dhekiajuli	DW	6.97	251.30	BDL	132.60	BDL	50.04	50.04	53.18	40.74	5.47	0.08	14.01	6.06	60.00	34.33	11.09	0.03
Sonitpur	Garumari/Ghora mari	DW	7.25	249.20	0.10	131.60	BDL	75.06	75.06	39.00	14.25	3.79	0.32	34.03	3.62	100.00	9.12	1.95	0.06
Sonitpur	Jamuguri North	DW	8.12	538.20	0.10	284.60	BDL	85.07	85.07	106.35	61.02	10.85	0.35	28.02	19.40	150.00	47.89	9.10	0.39
Sonitpur	Porua chariali, Tezpur	DW	8.01	166.10	BDL	86.85	BDL	65.05	65.05	14.18	6.48	0.98	0.60	12.01	3.63	45.00	7.66	1.18	6.88
Sonitpur	Thelamara	DW	7.10	476.00	0.50	251.20	BDL	110.09	110.09	113.44	37.09	1.01	0.35	34.03	8.48	120.00	59.72	10.13	0.37
Sonitpur	Tolakbari	OW	8.19	374.80	0.10	195.70	BDL	90.07	90.07	74.45	36.20	5.55	0.29	24.02	6.06	85.00	48.79	8.06	0.04
Sonitpur	Tupia	DW	7.79	134.30	BDL	70.18	BDL	30.02	30.02	35.45	7.59	4.29	BDL	14.01	1.22	30.00	19.89	3.26	0.77
Tinsukia	Kumsang Selenguri	DW	7.68	357.70	BDL	182.60	BDL	135.11	135.11	49.63	17.85	1.21	0.55	24.02	13.34	115.00	28.82	4.02	0.71
Tinsukia	Panitola	Hand pump - 65 FT.	7.59	406.80	BDL	207.80	BDL	160.13	160.13	35.45	46.09	1.56	0.69	26.02	20.62	150.00	25.80	5.80	0.15
Tinsukia	Tinsukia	DW	6.97	921.30	BDL	471.90	BDL	190.15	190.15	159.53	48.89	12.18	0.37	36.03	38.82	250.00	57.85	19.94	0.27
Tinsukia	Tirap Gate	DW	7.77	207.10	BDL	106.20	BDL	35.03	35.03	31.91	54.27	0.86	0.33	10.01	7.28	55.00	27.71	2.78	1.21
Udalguri	Bhalukmari	DW	8.47	652.20	0.10	351.70	90.00	165.20	255.20	67.36	26.36	6.61	0.28	48.04	30.32	245.00	52.64	8.92	2.60
Udalguri	Gelabil Thelamara	DW	8.31	333.70	BDL	179.60	50.00	115.13	165.13	14.18	10.98	1.01	0.45	46.04	9.69	155.00	15.11	4.51	0.49
Udalguri	Hatitopagaon	DW	8.28	268.30	BDL	154.10	30.00	80.09	110.09	46.08	20.56	2.94	0.36	26.02	18.19	140.00	25.18	2.09	0.21
Udalguri	Madhupur	DW	8.31	784.30	BDL	408.60	40.00	215.20	255.20	141.80	38.51	6.51	0.67	62.05	32.74	290.00	63.82	5.85	4.57
Udalguri	Orang	DW	8.01	259.10	BDL	135.10	BDL	100.08	100.08	10.64	42.96	1.12	0.29	26.02	10.91	110.00	11.70	2.30	0.80

District	Location	Type of sample (EW or DW)	pH	EC ($\mu\text{s}/\text{cm}$) 25° C	Turbidity (NTU)	TDS	CO ₃ ⁻²	HCO ₃ ⁻¹	TA (as CaCO ₃)	Cl ⁻	SO ₄ ⁻²	NO ₃ ⁻¹	F ⁻	Ca ⁺²	Mg ⁺²	TH (as CaCO ₃)	Na	K	Fe
Udalguri	Rowta chariali	DW	7.87	297.70	0.20	201.20	BDL	120.10	120.10	24.82	32.71	0.93	0.34	40.03	7.26	130.00	9.41	2.88	0.14
Udalguri	Thekerabari. I	DW	7.23	240.20	0.60	129.10	BDL	110.09	110.09	17.73	30.51	1.06	0.18	32.03	8.48	115.00	7.86	2.28	0.33
MEGHALAYA																			
East Garo Hills	Daidnadubi	DW	7.09	95.79	BDL	50.18	BDL	30.02	30.02	39.00	4.65	3.01	0.13	14.01	7.27	65.00	8.82	2.15	0.36
East Garo Hills	Darugiri	DW	6.65	50.61	BDL	26.62	BDL	15.01	15.01	46.09	3.63	3.31	0.06	6.00	4.85	35.00	17.00	3.26	0.03
East Garo Hills	Narringre	DW	7.83	173.00	BDL	91.09	BDL	35.03	35.03	42.54	3.58	11.28	0.16	16.01	12.13	90.00	3.30	0.98	BDL
East Garo Hills	Rongjeng	DW	7.54	267.40	0.50	133.90	BDL	20.02	20.02	53.18	2.61	16.56	0.31	20.02	12.13	100.00	6.92	1.15	BDL
East Garo Hills	Rongmil	DW	7.13	97.00	BDL	50.96	BDL	40.03	40.03	35.45	5.11	3.78	0.11	14.01	8.49	70.00	7.39	0.47	0.16
East Garo Hills	Samanda	DW	7.66	80.23	0.20	42.28	BDL	20.02	20.02	38.99	4.30	4.54	0.14	12.01	4.85	50.00	11.21	2.21	0.09
East Garo Hills	Songsak	DW	7.61	93.66	BDL	49.41	BDL	30.02	30.02	46.09	7.23	4.52	0.07	16.01	6.06	65.00	11.63	2.10	0.01
East Khasi Hills	Dangar	DW	8.48	421.80	BDL	215.50	40.00	95.11	135.11	67.35	37.40	9.27	0.48	40.03	14.54	160.00	34.87	18.93	0.23
East Khasi Hills	Ichamati	DW	8.33	332.30	BDL	173.00	80.00	100.14	180.14	31.91	20.77	0.77	0.46	56.04	12.11	190.00	27.65	7.85	BDL
East Khasi Hills	Lr.Lachaumiere	DW	8.07	208.20	BDL	105.90	BDL	40.03	40.03	77.99	20.15	3.94	0.06	18.01	3.63	60.00	43.09	1.23	0.04
East Khasi Hills	Mawpat	DW	7.79	156.70	BDL	80.45	BDL	20.02	20.02	63.81	15.67	7.50	0.07	10.01	4.85	45.00	28.54	7.34	0.17
East Khasi Hills	Nongmysong	DW	8.00	383.90	BDL	196.70	BDL	60.05	60.05	106.35	37.59	10.33	0.15	20.02	7.27	80.00	49.54	28.53	0.03
East Khasi Hills	Shillong Dhankheti	DW	8.19	254.70	BDL	130.20	10.00	40.04	50.04	60.27	4.18	9.99	0.14	18.01	4.85	65.00	25.97	4.45	3.90
Ri Bhoi	Byrnihat	DW	8.41	441.00	BDL	225.90	20.00	40.05	60.05	124.08	86.43	1.05	0.39	38.03	13.33	150.00	55.82	19.90	2.97
Ri Bhoi	Nongpoh	DW	8.19	345.50	BDL	178.30	BDL	60.05	60.05	99.26	49.70	6.53	0.22	20.02	8.49	85.00	53.82	16.75	0.12
Ri Bhoi	Pahanmawlier	DW	7.86	77.81	BDL	39.69	BDL	40.03	40.03	35.45	8.27	1.55	0.27	8.01	4.85	40.00	18.14	4.05	0.01
Ri Bhoi	Patharkhamma Barigaon	DW	7.98	104.00	BDL	52.91	BDL	40.03	40.03	39.00	8.63	3.99	0.13	12.01	4.85	50.00	14.98	6.45	0.14
Ri Bhoi	Tamanpahlong	DW	6.51	52.44	BDL	27.98	BDL	20.02	20.02	31.91	3.58	2.04	0.11	4.00	8.49	45.00	6.77	0.97	0.07
Ri Bhoi	Umroi Maidan	DW	7.53	36.96	BDL	19.23	BDL	25.02	25.02	28.36	8.72	0.85	0.06	6.00	7.28	45.00	7.85	1.19	0.14
S W Garo	Ampati	DW	4.23	525.80	BDL	278.10	BDL	5.00	5.00	127.62	6.63	4.99	BDL	12.01	7.28	60.00	46.06	12.89	0.01

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Hills																			
S W Garo Hills	Betasing	DW	6.61	155.90	BDL	79.85	BDL	25.02	25.02	67.36	9.53	15.66	0.02	8.01	6.06	45.00	33.81	3.94	1.25
S W Garo Hills	Garobandha	DW	5.40	225.80	0.30	120.20	BDL	15.01	15.01	60.26	40.50	7.41	BDL	18.01	10.91	90.00	18.01	2.68	0.03
West Garo Hills	Asanang	DW	5.21	157.30	BDL	83.03	BDL	15.01	15.01	49.63	6.17	1.04	BDL	10.01	7.28	55.00	10.52	7.18	0.04
West Garo Hills	Belguri	DW	4.63	207.90	BDL	107.60	BDL	10.01	10.01	49.63	5.69	11.73	BDL	12.01	9.70	70.00	6.75	2.12	0.08
West Garo Hills	Dalu	DW	5.44	163.00	BDL	86.66	BDL	15.01	15.01	60.27	13.49	9.37	BDL	10.01	8.49	60.00	19.65	11.11	BDL
West Garo Hills	Damjongre	DW	5.78	31.86	BDL	16.77	BDL	25.02	25.02	24.82	4.54	3.99	0.14	2.00	7.28	35.00	10.00	2.37	0.01
West Garo Hills	Phutamati	DW	8.54	217.90	BDL	117.80	30.00	70.08	100.08	28.36	11.42	3.00	0.33	28.02	6.05	95.00	19.82	7.41	0.05
West Garo Hills	Phulbari	DW	7.80	253.50	0.10	134.10	BDL	45.04	45.04	63.81	19.51	0.31	0.20	22.02	12.13	105.00	10.90	5.35	0.09
West Garo Hills	Purakhasia	DW	4.36	254.20	0.20	136.00	BDL	10.01	10.01	46.09	6.14	13.61	BDL	10.01	6.06	50.00	12.85	3.46	0.01
West Garo Hills	Rongram	DW	6.69	137.30	BDL	72.22	BDL	20.02	20.02	49.63	8.19	7.77	0.02	8.01	8.49	55.00	13.60	6.33	0.01
West Garo Hills	Tikrikilla	DTW	7.79	163.60	0.30	97.17	BDL	105.08	105.08	17.73	7.71	BDL	0.37	14.01	15.77	100.00	11.78	1.05	0.61
West Jaintia Hills	Jowai New	DW	7.64	77.90	BDL	39.55	BDL	25.02	25.02	35.45	12.01	2.70	0.08	6.00	3.64	30.00	21.68	1.39	0.17
West Khasi Hills	Mairang	DW	8.35	173.00	0.10	89.15	BDL	40.03	40.03	70.90	25.60	3.73	0.11	18.01	4.85	65.00	29.58	13.91	0.18
NAGALAND																			
Dimapur	Diphupar	DW	6.04	544.80	BDL	297.10	BDL	20.02	20.02	244.61	14.88	7.77	0.12	18.01	9.70	85.00	34.29	1.19	0.13
Dimapur	Singrujan	DW	6.29	287.20	BDL	155.80	BDL	15.01	15.01	74.45	2.26	12.41	0.15	16.01	12.13	90.00	13.93	0.55	0.04
TRIPURA																			
Dhalai	Abhanga New	DW	8.04	245.00	0.70	126.70	BDL	95.08	95.08	28.36	13.75	4.84	0.54	26.02	9.70	105.00	8.73	0.66	0.24
Dhalai	Ambassa	DW	8.19	323.60	BDL	166.20	BDL	120.10	120.10	92.17	35.04	1.21	0.59	22.02	10.91	100.00	55.76	17.57	0.05
Dhalai	Chawmanu	DW	7.84	519.50	0.20	265.60	BDL	180.14	180.14	106.35	20.10	1.86	1.10	22.02	23.05	150.00	57.45	11.81	1.49
Dhalai	Durga Cherra	DW	8.04	416.30	BDL	214.70	BDL	110.09	110.09	53.18	27.18	2.50	0.69	18.01	13.34	100.00	34.34	7.00	0.16
Dhalai	Durga	DW	8.19	313.80	BDL	161.50	BDL	75.06	75.06	31.91	7.70	2.58	0.50	26.02	6.06	90.00	13.31	1.32	BDL

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	Chowmuhani																		
Dhalai	J. M. Complex	DW	7.83	128.70	0.60	66.32	BDL	50.04	50.04	39.00	5.98	0.46	0.24	10.01	7.28	55.00	17.04	0.74	0.44
Dhalai	Kali Kumar Para	DW	8.17	251.90	BDL	129.40	BDL	105.08	105.08	88.63	6.58	1.72	0.80	28.02	9.70	110.00	36.10	9.66	0.54
Dhalai	Kamalpur	DW	7.96	183.10	BDL	94.08	BDL	55.04	55.04	17.73	31.72	0.56	0.34	10.01	10.92	70.00	11.67	1.96	0.48
Dhalai	Lachari	DW	7.53	72.43	BDL	36.94	BDL	25.02	25.02	24.82	7.34	3.31	0.11	8.01	2.42	30.00	13.47	0.76	0.04
Dhalai	Manu New	DW	6.87	517.30	BDL	266.70	BDL	175.14	175.14	116.99	24.10	4.42	1.10	20.02	31.54	180.00	55.31	7.15	BDL
Dhalai	Nuna Cherra	DW	7.46	161.80	0.50	83.51	BDL	20.02	20.02	BDL	40.93	10.15	0.25	10.01	9.70	65.00	3.63	0.72	0.25
Dhalai	Sindhu Kumar	DW	6.86	298.70	BDL	153.30	BDL	15.01	15.01	24.82	31.31	5.04	0.17	22.02	6.06	80.00	3.29	4.82	BDL
Gomati	Bampur	DW	7.58	308.20	BDL	163.70	BDL	100.08	100.08	56.72	12.35	1.25	0.57	22.02	9.70	95.00	28.00	3.51	0.33
Gomati	Dewanbari	DW	8.62	395.30	BDL	209.20	50.00	180.18	230.18	14.18	8.08	0.16	0.93	14.01	20.62	120.00	54.86	0.92	0.07
Gomati	Dhawaj nagar	DW	8.07	149.20	0.20		BDL	85.07	85.07	7.09	8.07	0.05	0.64	12.01	8.49	65.00	7.67	0.76	0.94
Gomati	Gorjee Bazar	DW	7.97	392.90	BDL	206.90	BDL	40.03	40.03	113.44	12.88	10.81	0.26	20.02	8.49	85.00	47.83	4.55	0.25
Gomati	Jatanbari	DW	8.09	139.80	BDL	69.64	BDL	35.03	35.03	7.09	29.54	0.18	0.10	8.01	9.70	60.00	3.82	5.02	1.00
Gomati	Joingkami	DW	8.20	408.00	BDL	162.30	BDL	15.01	15.01	10.64	8.02	0.34	0.26	26.02	12.12	115.00	90.22	4.72	0.09
Gomati	Kankraban	DW	8.05	412.30	BDL	175.80	BDL	220.18	220.18	113.44	10.26	10.53	0.14	18.01	6.06	70.00	71.09	17.53	0.19
Gomati	Kankraban (Palatana High School)	DTW	6.10	148.10	BDL	87.87	BDL	25.02	25.02	88.63	6.23	BDL	0.02	6.00	9.71	55.00	38.03	2.25	2.17
Gomati	Noabari-2	DW	7.85	427.80	BDL	197.80	BDL	45.04	45.04	63.81	35.59	2.94	0.22	24.02	16.98	130.00	20.74	2.63	1.38
Gomati	Taichakma	DW	7.78	1178.00	BDL	634.90	BDL	75.06	75.06	17.73	8.87	1.00	0.32	10.01	7.28	55.00	13.49	0.80	2.67
Khowai	45 Miles	DW	8.68	1063.00	BDL	582.80	120.00	385.40	505.40	145.35	12.69	5.28	2.30	10.01	20.63	110.00	93.87	1.88	0.43
Khowai	Kalyanpur	DW	7.92	99.26	BDL	51.01	BDL	55.04	55.04	7.09	10.08	0.57	0.22	12.01	8.49	65.00	3.08	0.21	0.06
Khowai	Khowai	DW	8.19	207.60	BDL	106.10	BDL	115.09	115.09	10.64	7.63	0.03	0.82	16.01	10.91	85.00	10.27	0.84	1.34
Khowai	Pachim Howaibari	DW	7.15	542.30	BDL	288.30	BDL	10.01	10.01	258.79	11.83	14.12	BDL	16.01	10.91	85.00	20.47	7.29	0.04
Khowai	Tuimadhu	DW	7.68	137.90	BDL	71.29	BDL	100.08	100.08	24.82	14.42	1.34	0.86	18.01	14.55	105.00	9.17	1.20	0.33
North Tripura	Ananda Bazar	DW	7.96	179.60	BDL	95.21	BDL	70.06	70.06	35.45	8.90	1.85	0.62	20.02	3.63	65.00	18.84	1.65	0.22
North Tripura	Baghbassa	DW	7.71	120.40	BDL	61.93	BDL	15.01	15.01	85.08	12.30	2.07	BDL	20.02	2.42	60.00	27.29	10.86	0.12
North Tripura	Borcherra	DW	6.98	336.10	0.40	175.60	BDL	60.05	60.05	60.27	15.22	9.35	0.68	32.03	8.48	115.00	14.47	3.02	0.05
North Tripura	Churaibari	DW	6.33	415.50	BDL	220.70	BDL	15.01	15.01	42.54	7.38	1.00	0.02	6.00	2.42	25.00	28.86	0.71	0.14

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North Tripura	Dataram	DW	7.23	284.60	BDL	144.80	BDL	120.10	120.10	21.27	26.94	0.94	1.60	22.02	14.55	115.00	14.41	0.71	BDL
North Tripura	Deocherra	DW	7.84	294.60	0.20	155.20	BDL	25.02	25.02	31.91	5.13	3.79	0.23	10.01	2.42	35.00	14.49	1.00	0.02
North Tripura	Dharmanagar	DW	7.92	238.60	BDL	126.20	BDL	40.03	40.03	17.73	11.42	0.84	0.41	10.01	2.42	35.00	13.91	0.12	0.02
North Tripura	Kanchanpur	DW	7.87	628.90	0.10	320.80	BDL	65.05	65.05	255.24	24.23	3.29	0.43	24.02	15.77	125.00	31.48	3.78	0.22
North Tripura	Khedacherra	DW	7.72	352.50	BDL	179.80	BDL	115.09	115.09	53.18	13.60	1.17	1.30	26.02	9.70	105.00	28.95	0.47	0.95
North Tripura	Krishnapur	DW	7.71	218.30	0.10	111.30	BDL	50.04	50.04	63.81	22.22	1.69	0.30	10.01	8.49	60.00	33.71	7.53	0.44
North Tripura	Kunjanagar	DW	7.82	266.60	BDL	134.50	BDL	55.04	55.04	92.17	6.38	0.57	0.32	22.02	8.48	90.00	33.95	3.51	BDL
North Tripura	Lalcharra	DW	7.87	105.60	BDL	54.07	BDL	40.03	40.03	77.99	12.72	4.29	0.40	14.01	6.06	60.00	36.37	4.91	0.17
North Tripura	Laljuri	DW	7.94	506.70	BDL	258.10	BDL	60.05	60.05	159.53	17.30	9.99	0.47	24.02	19.41	140.00	49.81	19.36	BDL
North Tripura	Naba Joypara (Natun Basti)	DW	7.52	125.70	BDL	63.67	BDL	35.03	35.03	31.91	8.86	4.52	0.40	8.01	4.85	40.00	16.98	1.89	0.17
North Tripura	Narendra Nagar	DW	6.41	135.40	BDL	69.47	BDL	55.04	55.04	17.73	8.51	0.87	1.20	10.01	2.42	35.00	18.17	0.34	0.20
North Tripura	Narendra Nagar	DW	8.17	274.20	BDL	145.10	BDL	85.07	85.07	124.08	8.72	1.08	0.51	22.02	14.55	115.00	48.75	8.29	0.15
North Tripura	Panisagar	DW	8.12	382.30	0.30	197.20	BDL	25.02	25.02	99.26	5.73	13.59	0.27	14.01	6.06	60.00	38.94	13.23	BDL
North Tripura	Rajnagar	DW	7.84	99.71	BDL	52.81	BDL	125.10	125.10	92.17	4.80	0.81	1.20	20.02	6.06	75.00	59.59	11.57	0.12
North Tripura	Sabual	DW	7.75	305.40	BDL	154.70	BDL	40.03	40.03	77.99	14.20	9.14	0.27	20.02	10.91	95.00	24.63	1.38	BDL
North Tripura	Satnala	DW	4.67	820.40	BDL	433.90	BDL	15.01	15.01	173.71	11.87	17.16	BDL	34.03	33.96	225.00	14.55	2.75	0.23
Sepahijala	Dalkshin Kalacherra	DW	7.87	116.20	BDL	59.18	BDL	125.10	125.10	10.64	28.68	0.62	0.13	4.00	3.64	25.00	47.94	3.78	0.38
Sepahijala	Golaghati	DW	7.63	314.60	BDL	158.60	BDL	50.04	50.04	31.91	28.83	1.22	0.12	24.02	7.27	90.00	14.33	5.38	0.42
Sepahijala	Gongrai	DW	7.90	170.90	BDL	86.76	BDL	105.08	105.08	39.00	20.74	0.28	0.21	12.01	7.28	60.00	40.47	3.73	1.09
Sepahijala	Kanthalia Bazar	DW	7.95	108.20	BDL	54.48	BDL	80.06	80.06	7.09	10.00	0.44	0.13	4.00	4.85	30.00	20.48	3.75	0.71
Sepahijala	Lalmaibari	DW	7.14	443.40	BDL	226.40	BDL	50.04	50.04	92.17	4.67	0.47	0.42	28.02	18.19	145.00	12.19	9.68	0.39

District	Location	Type of sample (EW or DW)	pH	EC ($\mu\text{s}/\text{cm}$) 25° C	Turbidity (NTU)	TDS	CO ₃ ⁻²	HCO ₃ ⁻¹	TA (as CaCO ₃)	Cl ⁻	SO ₄ ⁻²	NO ₃ ⁻¹	F ⁻	Ca ⁺²	Mg ⁺²	TH (as CaCO ₃)	Na	K	Fe
Sepahijala	Shivnagar	DW	6.74	103.40	BDL	53.10	BDL	60.05	60.05	10.64	9.51	0.22	0.23	4.00	4.85	30.00	21.47	3.48	0.08
Sepahijala	Tufaniamura	DW	7.56	320.10	BDL	164.10	BDL	55.04	55.04	60.27	13.52	1.37	0.14	30.02	3.63	90.00	27.31	6.27	0.32
South Tripura	Aamli Ghat	DW	7.25	179.70	BDL	89.91	BDL	100.08	100.08	56.72	18.38	0.40	0.07	10.01	3.64	40.00	54.40	7.98	0.26
South Tripura	Ananda Bandhu Para	DW	7.94	157.50	BDL	80.54	BDL	40.03	40.03	21.27	31.74	0.82	0.10	16.01	3.63	55.00	18.45	7.70	0.35
South Tripura	Baishnabpur	DW	7.65	132.00	BDL	67.72	BDL	25.02	25.02	17.73	34.64	1.47	0.11	8.01	6.06	45.00	17.16	5.89	0.17
South Tripura	Bankul Mahamuni	DW	7.68	153.90	BDL	7.68	BDL	45.04	45.04	17.73	21.13	0.91	0.11	16.01	4.85	60.00	8.80	7.57	0.20
South Tripura	Bijaynagar	DW	7.53	114.30	BDL	7.53	BDL	70.06	70.06	24.82	14.77	5.03	0.07	8.01	6.06	45.00	28.45	3.57	0.15
South Tripura	Gardhang	DW	7.79	172.40	BDL	7.79	BDL	30.02	30.02	10.64	38.18	0.45	0.31	12.01	9.70	70.00	6.18	1.81	0.95
South Tripura	Ghorakhappa	DW	7.67	143.70	0.50	7.67	BDL	90.07	90.07	7.09	12.12	0.22	0.22	12.01	6.06	55.00	18.89	5.51	2.10
South Tripura	Kalirbazar	DW	7.48	155.10	BDL	7.48	BDL	70.06	70.06	17.73	12.73	0.88	0.12	12.01	7.28	60.00	8.97	7.55	0.24
South Tripura	Magroom	DW	7.62	136.80	BDL	7.62	BDL	65.05	65.05	17.73	6.80	2.03	0.12	10.01	6.06	50.00	16.93	6.06	0.14
South Tripura	Manur Mukh	DW	7.86	174.60	BDL	7.86	BDL	40.03	40.03	10.64	29.24	0.56	0.32	14.01	8.49	70.00	6.54	0.87	0.88
South Tripura	Motu Mogpara	DW	7.40	341.90	BDL	7.95	BDL	95.08	95.08	10.64	11.66	0.48	0.43	20.02	27.90	165.00	24.35	4.43	0.50
South Tripura	Paschim Jalefa	PZ	8.41	151.90	0.60	7.82	20.00	150.14	170.14	14.18	6.34	0.25	0.23	8.01	6.06	45.00	45.77	16.14	1.40
South Tripura	Poangbari	DW	7.59	202.50	BDL	7.59	BDL	70.06	70.06	24.82	10.54	1.06	0.15	20.02	4.84	70.00	14.91	9.30	0.39
South Tripura	Purba Takka	DW	7.93	351.80	BDL	7.93	BDL	75.06	75.06	10.64	18.99	0.48	0.40	32.03	21.83	170.00	23.56	4.38	0.48
South Tripura	Radhanagar	DW	7.64	102.10	BDL	7.64	BDL	70.06	70.06	24.82	20.09	0.62	0.09	8.01	2.42	30.00	33.54	2.63	0.18
South Tripura	Rajnagar	DW	8.34	85.90	BDL	7.44	40.00	130.14	170.14	24.82	2.70	0.31	0.05	4.00	3.64	25.00	65.24	19.37	0.13
South Tripura	Sabroom	DW	7.21	110.30	BDL	7.21	BDL	35.03	35.03	21.27	7.73	5.01	0.05	8.01	4.85	40.00	10.00	3.51	0.24
South Tripura	Srinagar	DW	7.68	167.10	0.10	7.68	BDL	30.02	30.02	56.72	7.64	0.67	0.07	16.01	-0.01	40.00	33.79	8.02	0.32
Unakoti	Chandramoni	DW	8.10	80.39	BDL	42.38	BDL	90.07	90.07	31.91	11.31	3.40	0.60	22.02	12.13	105.00	6.60	1.89	0.74

District	Location	Type of sample (EW or DW)	pH	EC ($\mu\text{s}/\text{cm}$) 25° C	Turbidity (NTU)	TDS	CO_3^{-2}	HCO_3^{-1}	TA (as CaCO ₃)	Cl ⁻	SO_4^{-2}	NO_3^{-1}	F ⁻	Ca ⁺²	Mg ⁺²	TH (as CaCO ₃)	Na	K	Fe
	Kami																		
Unakoti	Darlang Basti	DW	8.11	253.60	BDL	133.60	BDL	95.08	95.08	35.45	10.50	5.46	0.63	24.02	16.98	130.00	6.31	0.58	0.08
Unakoti	Dumdum	DW	7.67	284.40	0.40	148.70	BDL	25.02	25.02	24.82	6.45	5.86	0.15	6.00	6.07	40.00	10.05	1.23	0.07
Unakoti	Gaurnagar	DW	8.05	391.20	0.10	208.90	BDL	85.07	85.07	39.00	10.63	2.14	0.70	32.03	7.27	110.00	6.24	3.50	0.55
Unakoti	Jarultali	DW	7.79	170.40	BDL	90.45	BDL	25.02	25.02	24.81	3.93	2.02	0.17	8.01	2.42	30.00	11.28	1.10	0.24
Unakoti	Kanchanbari	DW	8.05	105.50	BDL	55.59	BDL	55.04	55.04	209.16	4.97	6.73	0.27	26.02	18.19	140.00	73.92	13.74	0.16
Unakoti	Kanchancherra	DW	6.87	586.50	BDL	309.70	BDL	10.01	10.01	60.27	8.48	15.64	BDL	4.00	2.43	20.00	37.59	1.34	0.58
Unakoti	Karaicherra	DW	8.06	182.50	BDL	95.36	BDL	65.05	65.05	81.54	13.66	2.88	0.53	20.02	12.13	100.00	28.81	4.67	0.15
Unakoti	Kumarghat	DW	8.14	240.60	BDL	120.30	BDL	115.09	115.09	17.73	11.71	1.30	0.91	22.02	13.34	110.00	6.34	0.72	1.86
Unakoti	Panchamnagar	DW	8.09	245.80	0.10	130.40	BDL	65.05	65.05	24.82	6.78	3.29	0.47	24.02	3.63	75.00	10.50	1.17	
Unakoti	Pecharthal	DW	8.18	294.00	BDL	153.90	BDL	120.10	120.10	28.36	10.17	1.43	1.20	36.03	10.90	135.00	5.45	0.77	0.01
West Tripura	Ishanpur	DW	7.95	239.00	0.20	123.30	BDL	70.06	70.06	49.63	16.38	2.82	0.26	20.02	3.63	65.00	28.46	7.49	0.27
West Tripura	Khumulwung	DW	7.86	88.55	BDL	46.59	BDL	50.04	50.04	21.27	6.43	1.49	0.21	14.01	3.63	50.00	10.35	0.31	0.09
West Tripura	Simna	DW	7.55	151.10	BDL	78.25	BDL	45.04	45.04	35.45	4.88	6.71	0.28	10.01	7.28	55.00	14.84	1.31	BDL
West Tripura	Subalsingh	DW	7.98	206.80	BDL	105.30	BDL	115.09	115.09	85.08	3.79	0.23	1.20	18.01	10.91	90.00	44.96	10.38	0.15
West Tripura	Tarapur	DW	8.12	222.10	BDL	114.60	BDL	65.05	65.05	46.09	12.34	0.92	0.40	16.01	4.85	60.00	25.72	1.85	1.60

**Chemical Quality of Water Samples Collected from GWMS of NER during November2019
(Basic constituents & Fe)**

District	Location	Type of sample (EW or DW)	pH	EC (µs/cm) 25° C	Turbidity (NTU)	TDS	CO ₃ ⁻²	HCO ₃ ⁻¹	TA (as CaCO ₃)	Cl ⁻	SO ₄ ⁻²	NO ₃ ⁻¹	F ⁻	Ca ⁺²	Mg ⁺²	TH (as CaCO ₃)	Na	K	Fe
ARUNACHAL PRADESH																			
Changlang	Jairampur	DW	7.09	172.20	BDL	102.20	BDL	45.04	45.04	53.18	21.17	BDL	0.09	12.01	4.85	50.00	29.91	4.80	0.20
Tirap	Borduria	DW	7.31	206.10	BDL	119.50	BDL	50.04	50.04	10.64	8.08	BDL	0.09	8.01	7.28	50.00	3.89	1.53	0.10
ASSAM																			
Baksa	Bhalukmari	DW	7.08	124.40	BDL	72.16	BDL	65.05	65.05	21.27	9.16	BDL	0.14	14.01	6.06	60.00	11.79	3.93	BDL
Darrang	Mangaldoi	DW	8.32	845.20	BDL	494.20	50.00	170.18	220.18	184.34	11.70	3.17	0.34	22.02	47.32	250.00	69.72	37.57	1.33
Dhubri	Chapar	DW	7.31	637.60	BDL	373.80	BDL	235.19	235.19	159.53	17.11	BDL	0.45	22.02	42.47	230.00	56.18	34.11	0.39
Dhubri	Dakhin Tokesara Part IV	DW	7.33	650.40	BDL	380.40	BDL	235.19	235.19	116.99	18.53	1.69	0.67	28.02	53.38	290.00	24.91	3.19	0.21
Dhubri	Dhubri Town	DW	6.09	38.75	BDL	22.91	BDL	35.03	35.03	28.36	3.68	BDL	0.03	8.01	2.42	30.00	21.65	2.16	0.03
Dhubri	Sarpamari Beat	DW	6.78	202.50	BDL	118.20	BDL	105.08	105.08	24.82	2.57	BDL	0.61	16.01	19.41	120.00	4.44	0.79	4.44
Dibrugarh	Domar Dolong TW	TW	7.49	177.60	BDL	105.20	BDL	95.08	95.08	21.27	42.92	8.57	0.26	32.03	18.19	155.00	4.07	1.89	4.45
Goalpara	Agia II	DW	7.92	128.50	BDL	76.37	BDL	90.07	90.07	10.64	5.34	BDL	0.50	12.01	8.49	65.00	14.13	1.06	0.78
Goalpara	Dudhnoi II	DW	7.67	132.40	BDL	78.78	BDL	115.09	115.09	7.09	3.95	BDL	1.20	12.01	9.70	70.00	9.76	1.29	9.15
Goalpara	Rongjuli	DW	7.85	134.40	BDL	79.98	BDL	70.06	70.06	10.64	21.26	7.55	1.00	12.01	10.92	75.00	15.37	1.54	1.86
Hojai	Jurapukhuri	DW	7.17	420.50	BDL	246.20	BDL	125.10	125.10	17.73	18.99	7.58	0.76	18.01	24.26	145.00	9.58	2.76	1.36
Hojai	Lumding	DW	7.11	413.10	BDL	241.20	BDL	150.12	150.12	77.99	17.42	BDL	0.59	18.01	37.61	200.00	13.21	0.43	1.62
Morigaon	Baghara Ulubari	DW	6.67	432.10	BDL	252.40	BDL	125.10	125.10	88.63	21.59	0.72	0.37	22.02	35.18	200.00	21.10	7.00	1.82
Morigaon	Garmarigaon	DW	8.31	263.20	BDL	153.10	10.00	935.76	945.76	46.08	21.39	BDL	0.32	20.02	12.13	100.00	18.94	3.15	0.63
Nagaon	Bordowa	DW	6.89	450.50	BDL	263.10	BDL	205.16	205.16	77.99	16.80	BDL	0.15	12.01	50.97	240.00	21.41	3.56	0.56
Nagaon	Dhing	DW	7.00	384.40	BDL	225.40	BDL	170.14	170.14	56.72	18.80	BDL	0.27	18.01	40.04	210.00	10.94	3.99	0.61
Nagaon	Gomotha	DW	7.60	426.90	BDL	247.90	BDL	250.20	250.20	17.73	3.10	BDL	0.89	22.02	33.97	195.00	26.02	2.01	1.73
Nagaon	Naltoli	DW	6.88	156.80	BDL	91.20	BDL	85.07	85.07	24.82	9.67	BDL	0.24	16.01	13.34	95.00	11.57	4.71	0.15
Nagaon	Phulaguri	DW	6.62	531.80	BDL	311.20	BDL	145.12	145.12	173.71	12.58	BDL	0.50	14.01	40.04	200.00	47.30	19.85	1.03
Nagaon	Silghat	DW	6.86	540.60	0.10	314.80	BDL	145.12	145.12	77.99	4.05	1.56	0.43	20.02	36.40	200.00	11.74	9.87	0.45
Nagaon	Sullong	DW	7.27	607.80	0.20	354.30	BDL	125.10	125.10	163.07	19.47	BDL	0.31	20.02	42.47	225.00	59.81	8.72	0.37
Tinsukia	Tinsukia	DW	7.74	674.80	BDL	408.70	BDL	200.16	200.16	134.71	70.63	6.59	0.18	22.02	46.11	245.00	57.71	21.99	1.10

MEGHALAYA																			
North Garo Hills	Mendipathar	DTW	6.94	46.97	BDL	27.79	BDL	25.02	25.02	17.73	3.48	BDL	0.17	6.00	2.42	25.00	8.45	2.26	3.83
West Garo Hills	Tetrikilla	DW	8.08	306.60	BDL	162.60	BDL	45.04	45.04	42.54	19.67	7.16	0.26	40.03	6.05	125.00	3.31	1.67	0.16
West Garo Hills	Tikrikilla	DTW	7.79	163.60	0.30	97.17	BDL	105.08	105.08	17.73	7.71	BDL	0.37	14.01	15.77	100.00	11.78	1.05	0.61
TRIPURA																			
Gomati	Amarpur	DW	7.84	150.40	BDL	78.72	BDL	85.07	85.07	14.18	6.75	0.11	0.71	12.01	9.70	70.00	8.05	0.87	0.99
North Tripura	Kanchanpur	DW	8.33	301.90	BDL	179.70	50.00	140.15	190.15	24.82	19.96	BDL	0.28	8.01	6.06	45.00	107.64	1.38	0.01
South Tripura	Baishnabpur (infront of Baishnabpur Hospital)	DW	8.32	268.40	0.10	159.90	30.00	145.14	175.14	14.18	15.48	BDL	0.74	28.02	20.62	155.00	28.14	3.07	0.09
South Tripura	Bankul Mohamuni (Bankul Bazar)	DW	6.58	72.53	BDL	43.39	BDL	60.05	60.05	21.27	4.34	BDL	0.08	8.01	7.28	50.00	8.91	5.26	1.03
South Tripura	Goragappa (2km north of Goragappa Market)	DW	7.57	160.20	BDL	95.69	BDL	100.08	100.08	17.73	15.07	BDL	0.34	20.02	12.13	100.00	14.37	2.47	0.05
South Tripura	Manu Bazar	DW	7.55	177.50	BDL	105.30	BDL	105.08	105.08	10.64	8.90	BDL	0.36	28.02	4.84	90.00	9.64	6.71	1.02
South Tripura	Sashichandra pur	DW	8.30	267.20	BDL	159.40	30.00	135.13	165.13	14.18	20.26	BDL	0.24	34.03	16.97	155.00	27.31	3.63	1.91
South Tripura	Srinagar (Near Srinagar)	DW	6.55	64.70	BDL	38.63	BDL	45.04	45.04	21.27	6.67	BDL	0.05	4.00	12.13	60.00	4.83	5.14	2.03
South Tripura	Tuichama (0.5 km east of Tuichama Bazar)	DW	6.20	58.29	BDL	34.67	BDL	25.02	25.02	28.36	18.82	7.78	0.02	4.00	16.99	80.00	2.53	7.19	0.48

ANNEXURE –XXI

Chemical Quality of Water Samples Collected from GWMS of NER during 2018-19(March,2018) (Trace metal, Arsenic)

District	Location	Type of sample (EW or DW)	Arsenic (in ppb)
ARUNACHAL PRADESH			
Changlang	Namchik	DW	BDL
East Siang	Pasighat (PP)	DW	4.73
East Siang	Ruksin	DW	4.056
Lohit	Lathaw	DW	BDL
Lower Subansri	Bomte	DW	3.157
Lower Subansri	Rajgarh	DW	3.719
Papumpare	Doimukh	DW	3.27
Papumpare	Naharlagun	DW	3.382
Papumpare	Nirjuli Vill	DW	4.393
Papumpare	Nirjuli Vill	DW	3.831
Tirap	Borduria	DW	BDL
Tirap	Deomali	DW	BDL
ASSAM			
Baksa	Jhargaon	DW	BDL
Baksa	Tamulpur	DW	BDL
Barpeta	Sarupeta	DW	BDL
Barpeta	Sorbhog	DW	BDL
Biswanath	Gohpur	TW	3.75
Biswanath	Tolakbari	TW	1.827
Bongaigaon	Abhayapuri	DW	BDL
Bongaigaon	Baitamari	DW	BDL
Bongaigaon	Bongaigaon New	DW	BDL
Bongaigaon	Chaprakata New	DW	BDL
Bongaigaon	Manikpur	DW	BDL
Bongaigaon	Medhipara Deo	DW	BDL
Bongaigaon	North Salmara	DW	BDL
Cach	Shivtila	DW	8.091

District	Location	Type of sample (EW or DW)	Arsenic (in ppb)
Cachar	Atalbasti	DW	BDL
Cachar	Badribasti	DW	0.769
Cachar	Borjalinga	DW	0.769
Cachar	Borkhola	DW	BDL
Cachar	Dargakona	DW	2.7
Cachar	Digharkhal	DW	3.8
Cachar	Dwarbond	DW	1.727
Cachar	Fulertol	DW	BDL
Cachar	Kalain	DW	4.1
Cachar	Katigora	DW	BDL
Cachar	Masimpur	DW	BDL
Cachar	Moinarbond	DW	7.2
Cachar	Nagdirgram	DW	BDL
Cachar	Palanghat	DW	2.1
Cachar	Poilapul	DW	BDL
Cachar	Razabazar	DW	BDL
Cachar	Shivachal	DW	2.636
Cachar	Silcoorie	DW	BDL
Cachar	Tarapur	DW	BDL
Darrang	Dalgaon	DW	BDL
Darrang	Goroibari	DW	4.506
Darrang	Majgaon Part 2	DW	BDL
Darrang	Mangaldoi	DW	BDL
Darrang	Mangaldoi 2	DW	BDL
Darrang	Thekerabari 1	DW	BDL
Dhemaji	Bijoypur	DW	3.719
Dhemaji	Dhemaji	DW	3.831
Dhemaji	Dipa	DW	4.056
Dhemaji	Jonai Murko	DW	3.27
Dhemaji	Moridhol	DW	4.056
Dhemaji	Santipur	DW	7.202
Dhubri	Bilasipara	DW	BDL
Dhubri	Chapar	DW	BDL
Dhubri	Dakhin Tokesara part IV	DW	BDL

District	Location	Type of sample (EW or DW)	Arsenic (in ppb)
Dhubri	Dhubri Town	DW	BDL
Dhubri	Shapamari Beat	DW	BDL
Dhubri	Sonamukhi	DW	BDL
Dibrugarh	AzarguriGaon	DW	BDL
Goalpara	Baida	DW	BDL
Goalpara	Bhalukdubi	DW	BDL
Goalpara	Damra	DW	1.04
Goalpara	Demra	DW	BDL
Goalpara	Dudhnoi	DW	1.04
Goalpara	Dudhnoi	DW	BDL
Goalpara	Krishai New	DW	BDL
Goalpara	Rongjuli	DW	BDL
Goalpara	Ronguli	DW	BDL
Goalpara	Salpara	DW	BDL
Golaghat	Bokakhat	DW	4.393
Golaghat	Butalikua	DW	4.169
Golaghat	Garampani	DW	4.506
Golaghat	Haldibari Buri Ai	DW	3.831
Golaghat	Oating	DW	4.281
Hailakandi	Burakhai	DW	3.545
Hailakandi	Katlicherra New	DW	3.545
Hailakandi	Lakhinagar	DW	7.182
Hailakandi	Lala	DW	8.091
Hailakandi	Monachera	DW	5.364
Hailakandi	Panchgram New	DW	6.273
Hailakandi	Syedbond Part II	DW	6.273
Jorhat	Bijay Nagar	DW	BDL
Jorhat	Cinemora	DW	4.281
Jorhat	Dabarapara Charali	DW	3.831
Jorhat	Kokilamukh	DW	4.73
Jorhat	Kunwari Pukhuri	DW	BDL
Jorhat	Sodial Kachari Gaon	DW	4.056
Jorhat	Titabor	DW	3.494
Kamrup	Agyathuri	DW	BDL

District	Location	Type of sample (EW or DW)	Arsenic (in ppb)
Kamrup	Amingaon	DW	BDL
Kamrup	Ashwaklanta Temple	DW	BDL
Kamrup	Avayapuri	DW	BDL
Kamrup	Azara PHC	DW	BDL
Kamrup	Bakarapara	DW	5.364
Kamrup	Bamunigaon	DW	BDL
Kamrup	Bamunigaon	DW	BDL
Kamrup	Basistha FG	DW	4.455
Kamrup	Boko	DW	0.04
Kamrup	Boragaon	DW	0.818
Kamrup	Chandrapur	DW	BDL
Kamrup	Chhaygaon	DW	BDL
Kamrup	Choonsali, Madhabpur	DW	BDL
Kamrup	Darkuchi	DW	BDL
Kamrup	Dirghesawari	DW	BDL
Kamrup	Dora Kahara	DW	BDL
Kamrup	Ganesh Mandir, Narengi	DW	BDL
Kamrup	Kacharibasti Christian	DW	BDL
Kamrup	Khanapara Sc. Museum	DW	2.636
Kamrup	Krishna Nagar	DW	BDL
Kamrup	Lakhra Chariali	DW	BDL
Kamrup	Lakshmi Mandir	DW	9.909
Kamrup	Lalganesh Chariali	DW	BDL
Kamrup	Lalmati New	DW	1.727
Kamrup	Mairapatti	DW	BDL
Kamrup	Maligaon	DW	2.636
Kamrup	Mirza	DW	0.24
Kamrup	Narangi	DW	BDL
Kamrup	Paltan Bazar	DW	0.818
Kamrup	Panikhaiti	DW	BDL
Kamrup	Panjabari	DW	BDL
Kamrup	Patgaon	DW	BDL
Kamrup	Patherquery	DW	BDL
Kamrup	Rangia	DW	BDL

District	Location	Type of sample (EW or DW)	Arsenic (in ppb)
Kamrup	Rani	DW	BDL
Kamrup	Rani	DW	BDL
Kamrup	Sijubari	DW	BDL
Kamrup	Sualkuchi	DW	BDL
Kamrup	Survey Odalbakra	DW	BDL
Kamrup	Tarani	DW	BDL
Kamrup	Udaipur	DW	BDL
Kamrup	Viswakarma Temple	DW	BDL
Kamrup	Wireless	DW	BDL
Kamrup	Zoo Narengi Road HS	DW	2.636
Karbi Anglong	Amlokhi	DW	BDL
Karbi Anglong	Bokajan I	DW	0.769
Karbi Anglong	Bokajan II	DW	BDL
Karbi Anglong	Deopani	DW	BDL
Karbi Anglong	Dillai	DW	BDL
Karbi Anglong	Diphu (Matibung road)	DW	BDL
Karbi Anglong	Dokmoka	DW	9.449
Karbi Anglong	Hidipi	DW	BDL
Karbi Anglong	Khatkhati	DW	BDL
Karbi Anglong	Lahorijan	DW	BDL
Karbi Anglong	Lakhijan	DW	BDL
Karbi Anglong	Manja	DW	0.769
Karbi Anglong	Mohendijua	DW	4.615
Karbi Anglong	Phonglangso	DW	4.615
Karbi Anglong	Saphapani	DW	4.615
Karbi Anglong	Silanijan	DW	5.385
Karbi Anglong	Swaraghati	DW	3.494
Karimganj	Badarpur	DW	12.636
Karimganj	Dhulia	DW	BDL
Karimganj	Hatikira	DW	BDL
Karimganj	Kalinagar	DW	BDL
Karimganj	Karimganj	DW	BDL
Karimganj	Kayasthagram	DW	BDL
Karimganj	Patharkandi	DW	BDL

District	Location	Type of sample (EW or DW)	Arsenic (in ppb)
Karimganj	R.K. Nagar	DW	BDL
Karimganj	Sarkaribari	DW	BDL
Kokrajhar	Balajan	DW	BDL
Lakhimpur	Amguri	DW	4.955
Lakhimpur	Amguri	DW	BDL
Lakhimpur	Bhogpur	DW	6.191
Lakhimpur	Bhogpur	DW	BDL
Lakhimpur	Biphuria	DW	4.955
Lakhimpur	Dijoo	DW	BDL
Lakhimpur	Harmoti	DW	1.05
Lakhimpur	Koilamari	DW	BDL
Lakhimpur	Laluk	DW	4.73
Lakhimpur	Laluk	DW	BDL
Lakhimpur	Panigaon	DW	BDL
Lakhimpur	Pathalipam	DW	4.955
Lakhimpur	Pathalipam	DW	BDL
Morigaon	Jagiroad	DW	4.281
Morigaon	Nellie	DW	3.831
Nagaon	Bordowa	DW	9.225
Nagaon	Dhing	DW	7.764
Nagaon	Haldiati	DW	6.191
Nagaon	Hatenibatha	DW	4.955
Nagaon	Jorapukhuri	DW	9.112
Nagaon	Kathiatoli	DW	8.551
Nagaon	Lanka	DW	7.876
Nagaon	Naltoli	DW	3.157
Nagaon	Sulung	DW	3.719
Nalbari	Tihu	DW	BDL
Sonitpur	18th Mile	DW	BDL
Sonitpur	Balipara	DW	7.202
Sonitpur	Balipara	TW	BDL
Sonitpur	Balipara	DW	BDL
Sonitpur	Barchola	DW	4.955
Sonitpur	Barchola	DW	BDL

District	Location	Type of sample (EW or DW)	Arsenic (in ppb)
Sonitpur	Behali		4.843
Sonitpur	Biswanath	DW	4.506
Sonitpur	Dhekiajuli	DW	BDL
Sonitpur	Garumari/Ghoramari	DW	BDL
Sonitpur	Jamuguri North	DW	BDL
Sonitpur	Kheroni	DW	4.618
Sonitpur	Porua chariali, Tezpur	DW	BDL
Sonitpur	Tezpur	DW	4.843
Sonitpur	Thelamara	DW	BDL
Sonitpur	Tolakbari	OW	BDL
Sonitpur	Tupia	DW	BDL
Tinsukia	Jaipur Naharjan	DW	0.769
Tinsukia	Tinsukia	DW	BDL
Tinsukia	Tipong	DW	BDL
Tinsukia	Tirap Gate	DW	BDL
Udalguri	Bengbari	DW	2.483
Udalguri	Bhalukmari	DW	3.607
Udalguri	Hatitopagaon	DW	3.382
Udalguri	Kalaiagaon	DW	BDL
Udalguri	Paneri	DW	BDL
Udalguri	Rowta Chariali	DW	3.494
Udalguri	Token Kata (Tangla)	DW	BDL
MEGHALAYA			
East Garo Hills	Daidnadubi	DW	BDL
East Garo Hills	Darugiri	DW	BDL
East Garo Hills	Rongjeng	DW	BDL
East Garo Hills	Rongjeng	DW	BDL
East Garo Hills	Rongmil	DW	BDL
East Garo Hills	Samada Megapagre	DW	0.04
East Garo Hills	Songsak	DW	BDL
East Garo Hills	Williamnagar	DW	0.04
East Khasi Hills	Dangar	DW	BDL
East Khasi Hills	Dhankheti	DW	0.64
East Khasi Hills	Golf Links	DW	1.84

District	Location	Type of sample (EW or DW)	Arsenic (in ppb)
East Khasi Hills	Laitkor Spring	CGWB	BDL
East Khasi Hills	Lr. Lachumiere	DW	0.24
East Khasi Hills	Nongmysong	DW	1.04
East Khasi Hills	Shella	DW	0.64
East Khasi Hills	Sohra	DW	BDL
North Garo Hills	Dainadubi	DW	0.04
North Garo Hills	Kharkutta	DW	0.24
North Garo Hills	Mendal	DW	BDL
Ri Bhoi	Tamanpahlong	DW	BDL
Ri Bhoi	Umroi Maidan	DW	BDL
Ri Bhoi	Byrnihat	DW	BDL
Ri Bhoi	Nayabunglow	DW	BDL
Ri Bhoi	Nongpoh	DW	BDL
Ri Bhoi	Pahanmawlier	DW	BDL
Ri Bhoi	Patharkhamma Barigaon	DW	BDL
SW Garo	Ampati	DW	0.44
SW Garo	Betasing	DW	0.04
SW Garo	Garobandha	DW	0.84
SW Garo	Mahindraganj	DW	0.44
SW Garo	Zikzak	DW	8.04
West Garo Hills	Asanang	DW	BDL
West Garo Hills	Belguri	DW	BDL
West Garo Hills	Dalu	DW	0.44
West Garo Hills	Nidanpur	DW	BDL
West Garo Hills	Phulbari	DW	BDL
West Garo Hills	Rongram	DW	0.24
West Garo Hills	Tikrikilla	DW	1.64
West Jaintia Hills	Jowai New	DW	BDL
West Khasi Hills	Mairang	DW	BDL
West Khasi Hills	Nongdaju	DW	BDL
TRIPURA			
Dhalai	Abhanga New	DW	BDL
Dhalai	Ambassa	DW	0.265
Dhalai	Darlang Basti	DW	BDL

District	Location	Type of sample (EW or DW)	Arsenic (in ppb)
Dhalai	Durga Chowmuhani	DW	0.163
Dhalai	Kamalpur	DW	0.061
Dhalai	Manu New	DW	0.163
Dhalai	Sindhu Kumar	DW	0.265
Gomati	Amarpur	DW	BDL
Gomati	Ampi colony	DW	BDL
Gomati	Bagmabazar	DW	BDL
Gomati	Bampur	DW	BDL
Gomati	Dewanbari	DW	BDL
Gomati	Dhawajnaragar	DW	BDL
Gomati	Gorjee Bazar	DW	BDL
Gomati	Jatanbari	DW	BDL
Gomati	Joingkami	DW	BDL
Gomati	Kankraban	DW	BDL
Gomati	Noabari-2	DW	BDL
Khowai	45 Miles	DW	BDL
Khowai	Kalyanpur	DW	BDL
Khowai	Pachim Howaibari	DW	BDL
Khowai	Tuimadhu	DW	BDL
North Tripura	Baghbassa	DW	BDL
North Tripura	Churaibari	DW	BDL
North Tripura	Deocherra	DW	BDL
North Tripura	Dharmanagar	DW	BDL
North Tripura	Kanchanpur	DW	BDL
North Tripura	Krishnapur	DW	BDL
North Tripura	Kunjanagar	DW	BDL
North Tripura	Lalchhara	DW	BDL
North Tripura	Laljuri	DW	BDL
North Tripura	Naba Joypara (Natun Basti)	DW	BDL
North Tripura	Panisagar	DW	BDL
North Tripura	Rajnagar	DW	BDL
North Tripura	Sanicherra	DW	BDL
North Tripura	Satnala	DW	BDL
Sepahijala	Bagabassa	DW	BDL

District	Location	Type of sample (EW or DW)	Arsenic (in ppb)
Sepahijala	Dakshin Kalamcherra	DW	BDL
Sepahijala	Golaghati	DW	BDL
Sepahijala	Gongrai	DW	BDL
Sepahijala	Kanthalia Bazar	DW	BDL
Sepahijala	Kenania	DW	BDL
Sepahijala	Lalmaibari	DW	BDL
Sepahijala	Shivnagar	DW	BDL
Sepahijala	Sonamura	DW	BDL
Sepahijala	Tufaniamura	DW	BDL
South Tripura	AMLI GHAT	DW	BDL
South Tripura	ANANDA BANDHU PARA	DW	BDL
South Tripura	Baishnabpur	DW	BDL
South Tripura	BANKUL MAHAMUNI	DW	BDL
South Tripura	Bijaynagar	DW	BDL
South Tripura	CHATAKCHARI	DW	BDL
South Tripura	Gardhang	DW	BDL
South Tripura	GHORAKHAPPA	DW	BDL
South Tripura	KALIRBAZAR	DW	BDL
South Tripura	Magroom	DW	BDL
South Tripura	Manubazar	DW	BDL
South Tripura	Manur Mukh	DW	BDL
South Tripura	Motu Mogpara	DW	BDL
South Tripura	Paschim Jalefa EW	DW	BDL
South Tripura	Paschim Jalefa OW	DW	BDL
South Tripura	POANGBARI	DW	BDL
South Tripura	PURBA TAKKA	DW	BDL
South Tripura	Radhanagar	DW	BDL
South Tripura	Rajnagar	DW	BDL
South Tripura	Rangamura	DW	BDL
South Tripura	Sabroom	DW	BDL
South Tripura	SHASHI-CHANDRAPUR	DW	BDL
South Tripura	SRINAGAR	DW	BDL
Unakoti	Chandra- moni Kami	DW	BDL
Unakoti	Gaurnagar	DW	BDL

District	Location	Type of sample (EW or DW)	Arsenic (in ppb)
Unakoti	Jarultali	DW	BDL
Unakoti	Kanchan-cherra	DW	BDL
Unakoti	Karaicherra	DW	BDL
Unakoti	Kumarghat	DW	BDL
Unakoti	Pancham-nagar	DW	BDL
Unakoti	Pecharthal	DW	0.367
West Tripura	A. D. Nagar	DW	BDL
West Tripura	Ishanpur	DW	BDL
West Tripura	MADHUBAN DUKLI DW	DW	0.648
West Tripura	Mohanpur	DW	BDL
West Tripura	Radhakishore Nagar	DW	BDL
West Tripura	Simna	DW	BDL
West Tripura	Subalsingh	DW	BDL

Chemical Quality of Water Samples Collected from GWMS of NER during November 2019 (Heavy metals and Uranium)

District	Location	Type of sample (EW or DW)	Cr	Mn	Ni	Cu	Zn	Al	As	Se	Ag	Cd	Pb	U
			mg/L							ppb				
ARUNACHAL PRADESH														
Changlang	Jairampur	DW	0.00008	0.189	0.006	0.000	0.035	8.888	0.155	0.004	BDL	0.063	0.036	0.001
Changlang	Namchik	DW	0.00033	0.018	0.005	0.002	0.615	29.111	0.068	0.022	BDL	0.036	0.389	0.003
Changlang	Namphai	DW	0.00141	0.011	0.019	BDL	0.015	4.139	0.007	0.009	BDL	0.019	0.014	0.002
Changlang	New LisanKharsan g	DW	0.00053	0.008	0.001	BDL	0.020	4.825	0.043	0.026	BDL	0.014	0.004	0.001
East Siang	Pasighat New	DW	0.00004	0.005	0.003	0.003	0.549	2.359	0.007	0.010	BDL	0.025	1.422	0.139
East Siang	Ruksin	DW	0.00003	0.066	0.002	0.000	0.008	1.832	0.052	0.005	BDL	0.007	0.014	0.032
East Siang	SikaBamanTodee	DW	0.00002	0.007	0.001	0.000	0.005	3.329	0.014	0.015	BDL	0.008	0.004	0.011
Lohit	Lathow	DW	0.00029	0.012	0.000	0.000	1.145	8.282	0.032	0.024	BDL	0.424	4.292	0.004
Lower Subansiri	Bomte	DW	0.00004	0.006	0.002	0.000	0.006	0.419	0.012	0.005	BDL	0.014	0.003	0.005
Lower Subansiri	Rajgarh	DW	0.00012	0.012	0.003	BDL	0.013	11.077	0.031	0.056	BDL	0.009	0.013	0.009
Papumpare	Doimukh	DW	0.00004	0.080	0.002	0.000	0.011	1.784	0.042	0.015	BDL	0.020	BDL	0.008
Papumpare	Itanagar I	DW	0.00004	0.276	0.004	0.000	1.345	8.539	0.077	0.010	BDL	0.015	0.059	0.021
Papumpare	Kimin	DW	0.00002	0.233	0.005	0.001	0.012	0.970	0.137	0.020	BDL	0.023	0.026	0.047
Papumpare	Naharlagun I	DW	0.00022	0.001	0.001	0.002	0.009	5.269	0.054	0.015	BDL	0.018	0.147	0.011
Papumpare	Nirjuli Vill III A	DW	0.00002	0.347	0.002	0.000	0.015	0.778	0.216	0.102	BDL	0.029	BDL	0.009
Papumpare	Sonajuli	DW	0.00003	0.063	0.001	0.000	0.004	3.545	0.061	0.010	BDL	0.008	0.019	0.004
Tirap	Borduria	DW	0.00048	0.038	0.003	0.000	0.024	24.684	0.027	0.030	BDL	0.046	0.124	0.001
Tirap	Deomali	DW	0.00007	0.123	0.000	BDL	0.025	3.503	0.046	0.048	BDL	0.027	0.013	0.000
Tirap	Hukanjuri	DW	0.00042	0.110	0.002	0.000	0.036	11.865	0.052	0.052	BDL	0.044	0.073	0.001
ASSAM														
Baksa	Tamulpur	DW	0.00003	0.027	0.001	0.001	1.988	7.601	0.483	0.014	0.043	0.081	36.217	0.091
Barpeta	Sarupeta	DW	0.00020	0.001	0.000	0.000	0.021	8.182	1.424	0.011	0.002	0.007	0.362	0.240
Barpeta	Sorbhog	DW	0.00007	0.002	0.000	0.000	0.017	2.157	0.184	0.004	0.010	0.008	0.537	0.102
Biswanath	Behali	DW	0.00040	0.010	0.003	0.001	0.015	4.082	0.043	0.040	BDL	0.012	0.031	0.013
Biswanath	Bihupukhuri	DW	0.00083	0.001	0.004	0.000	0.009	5.998	0.099	0.004	BDL	0.010	0.031	0.016
Biswanath	BiswanathGhat	DW	0.00005	0.007	0.004	0.003	0.036	2.349	0.389	0.013	BDL	0.020	0.012	0.038

District	Location	Type of sample (EW or DW)	Cr	Mn	Ni	Cu	Zn	Al	As	Se	Ag	Cd	Pb	U
			mg/L					ppb						
Biswanath	Buroighat	DW	0.00006	0.016	0.004	0.000	0.023	3.194	0.156	0.040	BDL	0.004	0.014	0.032
Biswanath	Kheroni	DW	0.00011	0.010	0.003	0.000	0.020	6.182	0.194	0.018	BDL	0.009	0.034	0.060
Biswanath	Na Pam	DW	0.00011	0.045	0.008	0.003	0.017	36.285	0.390	0.026	BDL	0.059	0.181	0.184
Bongaigaon	Abhayapuri	DW	0.00003	0.065	0.001	0.001	0.090	8.246	0.064	0.040	0.038	0.018	0.844	0.003
Bongaigaon	Baitamari	DW	0.00009	0.008	0.000	BDL	0.012	1.336	0.028	0.009	0.006	0.033	0.328	0.005
Bongaigaon	Bongaigaon New	DW	0.00026	0.078	0.002	0.007	3.594	9.468	0.118	0.005	0.013	0.167	19.088	0.133
Bongaigaon	Chaprakata	DW	0.00018	0.014	0.000	0.001	2.046	20.968	0.950	0.013	0.036	0.070	11.339	0.471
Bongaigaon	Manikpur	DW	BDL	0.782	0.000	BDL	0.022	4.652	1.181	BDL	0.009	0.019	0.373	0.219
Bongaigaon	MedhiparaDeo	DW	0.00002	0.141	0.000	0.000	0.055	2.749	0.132	0.001	0.025	0.028	0.657	0.019
Bongaigaon	North salmara	DW	BDL	0.046	0.000	0.000	0.051	1.161	0.083	0.009	0.019	0.004	0.520	0.002
Cachar	Atalbasti	DW	BDL	0.095	0.000	BDL	0.017	3.246	0.099	0.040	BDL	0.017	0.030	0.004
Cachar	Badribasti	DW	0.00005	0.499	0.017	0.001	0.054	47.063	0.722	1.070	BDL	0.141	2.474	0.149
Cachar	Borjalinga	DW	BDL	0.147	0.001	BDL	0.035	1.036	0.525	0.004	BDL	0.001	0.011	BDL
Cachar	Borkhola	DW	BDL	0.175	0.001	BDL	0.010	1.309	0.274	0.016	BDL	0.006	0.007	BDL
Cachar	Dargakona	DW	BDL	0.217	0.001	BDL	0.026	0.635	0.283	0.020	BDL	BDL	0.009	0.001
Cachar	Kalain	DW	BDL	0.070	0.001	0.000	0.021	5.832	0.300	0.028	BDL	0.018	0.047	0.029
Cachar	Palanghat	DW	BDL	0.553	0.001	BDL	0.008	1.300	0.816	0.036	BDL	0.004	0.025	0.003
Cachar	Poilapul	DW	BDL	0.253	0.001	BDL	0.012	1.053	0.185	0.004	BDL	0.011	0.003	0.001
Cachar	Razabazar	DW	0.01052	0.287	0.003	BDL	0.016	-	0.815	0.261	BDL	0.031	0.266	0.244
Cachar	Shivachal	DW	BDL	0.610	0.002	BDL	0.018	1.454	0.377	0.072	BDL	0.019	0.002	0.034
Darrang	GelabilThelam ara	DW	0.00104	0.006	0.000	0.001	0.019	2.599	5.226	0.017	0.009	0.022	0.494	1.070
Darrang	Goroibari	DW	0.00000	1.906	0.000	0.001	0.025	1.284	0.037	0.029	0.016	0.068	0.479	0.005
Darrang	Mangaldoi	DW	BDL	0.570	0.000	0.000	0.249	1.065	0.907	0.009	0.017	0.007	0.438	0.009
Darrang	MangaldoiII	DW	BDL	0.736	0.001	0.001	0.052	0.819	0.266	0.009	0.000	0.010	0.351	0.320
Darrang	Thekerabari.1	DW	BDL	0.137	0.001	0.000	0.009	20.722	1.979	0.001	0.008	0.005	0.444	0.441
Dhemaji	Bijoypur	DW	0.00006	0.096	0.002	0.000	0.007	2.970	0.092	0.010	BDL	0.005	BDL	0.319
Dhemaji	Dhemaji	DW	0.00040	0.030	0.004	0.000	0.007	6.838	0.273	0.010	BDL	0.012	BDL	0.180
Dhemaji	Dipa	DW	0.00005	0.056	0.003	0.000	0.005	0.695	0.156	0.010	BDL	0.015	0.004	0.007
Dhemaji	JonaiMurkong selek	DW	0.00010	0.016	0.002	0.000	0.008	0.659	0.059	0.010	BDL	0.010	BDL	0.005
Dhemaji	Moridhol	DW	0.00020	0.004	0.003	0.000	0.006	12.503	0.278	BDL	BDL	0.013	0.080	0.041
Dhemaji	Santipur	DW	0.00005	0.254	0.002	0.000	0.003	1.868	0.334	0.020	0.037	0.005	0.035	0.005
Dhemaji	Telem	DW	0.00042	0.004	0.002	0.000	0.007	2.156	0.026	0.015	0.002	0.012	0.005	0.007

District	Location	Type of sample (EW or DW)	Cr	Mn	Ni	Cu	Zn	Al	As	Se	Ag	Cd	Pb	U
			mg/L					ppb						
Dhubri	Chapar	DW	BDL	0.575	0.000	0.001	0.033	1.793	0.069	0.025	0.009	0.186	1.132	0.021
Dhubri	DakhinTokesa ra Part IV	DW	0.00008	0.914	0.001	0.007	0.066	12.573	0.656	0.013	0.007	0.032	0.423	1.443
Dhubri	Dhubri Town	DW	0.00026	0.343	0.001	0.003	0.674	18.713	2.159	0.005	0.017	0.051	1.597	3.221
Dhubri	Shapamari Beat	DW	BDL	0.013	0.000	0.006	0.040	6.257	0.029	0.013	0.013	0.018	1.001	0.007
Dibrugarh	AzarguriGaon	DW	0.00039	0.041	0.004	0.002	0.017	8.291	0.581	0.013	BDL	0.006	0.078	0.209
Dibrugarh	Barbaruah	DW	0.00022	0.103	0.000	BDL	0.015	13.393	0.214	0.017	BDL	BDL	0.082	0.205
Dibrugarh	Chabua	DW	0.00022	0.010	0.000	0.000	0.011	7.645	0.181	0.026	BDL	0.010	0.022	0.257
Dibrugarh	Dikom	DW	0.00013	0.448	0.001	BDL	0.033	7.527	0.185	0.022	BDL	0.021	0.021	0.009
Dibrugarh	DomarDolong TW	TW	0.00337	0.491	0.001	BDL	0.057	17.202	1.680	0.017	BDL	0.003	0.135	0.005
Goalpara	Baida	DW	0.00008	0.088	0.001	0.000	0.047	14.260	0.043	0.031	BDL	0.007	0.048	0.013
Goalpara	Bhalukdubi (Goalpara)	DW	0.00016	0.043	0.001	BDL	0.023	5.663	0.056	0.018	BDL	0.014	0.007	0.015
Goalpara	Damra	DW	0.00015	0.116	0.000	0.000	0.031	2.609	0.333	0.062	BDL	0.003	BDL	0.004
Goalpara	Dudhnoi	DW	BDL	0.054	0.000	BDL	0.026	1.245	0.037	0.040	BDL	0.007	BDL	0.004
Goalpara	Dudhnoi II	DW	0.00012	0.031	0.001	0.000	0.039	10.632	0.055	0.022	BDL	0.012	0.027	0.002
Goalpara	Dwarka	DW	0.00028	0.096	0.001	0.000	0.032	2.519	0.083	0.019	BDL	0.014	0.021	0.005
Goalpara	Krishnai New	DW	0.00011	0.036	0.000	0.000	0.035	11.382	0.102	0.076	BDL	0.026	0.027	0.011
Goalpara	Rongjuli	DW	0.00015	0.139	0.001	0.000	0.023	3.657	0.286	0.005	BDL	0.002	BDL	0.004
Goalpara	Salpara	DW	0.00030	0.037	0.002	0.000	0.162	18.635	0.022	BDL	BDL	0.033	0.057	0.006
Goalpara	Sarapara	DW	0.00040	0.048	0.001	0.001	0.046	13.186	0.114	0.038	BDL	0.008	0.039	0.004
Goalpara	Teuli	DW	0.00024	0.239	0.001	0.000	0.053	6.737	0.464	0.010	BDL	0.016	0.064	0.014
Golaghat	Bokakhat	DW	0.00015	0.067	0.000	0.001	0.046	5.282	0.245	0.017	BDL	0.002	BDL	0.012
Golaghat	Garampani	DW	0.00114	0.763	0.030	0.003	5.332	35.809	0.342	0.289	BDL	0.315	10.185	0.031
Golaghat	HaldibariBuri Ai	DW	0.00011	0.110	0.000	0.001	0.041	5.017	0.357	0.014	BDL	0.009	BDL	4.136
Golaghat	Oating	DW	0.00018	0.308	0.003	0.000	0.022	33.835	0.556	0.053	BDL	0.017	0.164	0.009
Hailakandi	Burakhai	DW	BDL	0.353	0.002	BDL	0.011	1.061	0.549	0.020	BDL	0.012	0.006	0.002
Hailakandi	Katlicherra New	DW	BDL	0.273	0.001	BDL	0.004	33.199	2.300	0.008	BDL	BDL	BDL	0.134
Hailakandi	Lakhinagar	DW	BDL	0.162	0.000	BDL	0.008	6.754	0.176	0.004	BDL	0.007	0.021	0.086
Hailakandi	Monachera	DW	BDL	0.143	0.002	0.000	0.009	2.999	0.203	0.012	BDL	0.034	0.023	0.014
Hailakandi	Syedbond Part II	DW	0.00002	0.001	0.000	BDL	0.005	21.435	3.395	0.004	BDL	0.005	0.000	0.167
Hojai	Lanka	DW	BDL	0.100	0.000	BDL	0.036	3.323	0.039	BDL	BDL	0.007	0.001	1.205

District	Location	Type of sample (EW or DW)	Cr	Mn	Ni	Cu	Zn	Al	As	Se	Ag	Cd	Pb	U
			mg/L					ppb						
Hojai	Lumding	DW	0.00038	0.690	0.002	0.000	0.123	5.070	0.603	0.025	BDL	0.043	BDL	0.334
Hojai	Zebra Khua	DW	0.00025	0.062	0.002	0.000	0.069	4.930	0.040	0.007	BDL	0.004	0.067	0.002
Jorhat	Bijay Nagar	DW	0.00032	0.050	0.001	0.001	0.015	2.785	0.207	0.006	BDL	0.006	BDL	0.021
Jorhat	Cinemora	DW	0.00011	1.757	0.003	0.001	0.104	5.847	0.454	0.025	BDL	0.011	0.076	0.029
Jorhat	Gatisunga	DW	0.00040	0.041	0.003	0.000	0.016	6.513	0.423	0.022	BDL	0.006	BDL	0.129
Jorhat	Kokilamukh	DW	0.00045	0.675	0.004	0.001	0.028	56.409	2.101	0.053	BDL	0.008	0.185	0.093
Jorhat	KunwariPukhuri	DW	0.00043	0.437	0.005	0.001	0.029	80.631	0.919	0.181	BDL	0.013	0.233	0.020
Jorhat	Lichubari	DW	0.00008	0.412	0.002	0.001	0.033	14.259	0.626	0.089	BDL	0.035	0.054	0.004
Jorhat	MelengKapara dharia	DW	0.00123	0.248	0.003	0.000	0.452	8.551	0.574	0.050	BDL	0.009	0.049	0.003
Jorhat	SodialKachari Gaon	DW	0.00008	0.078	0.000	0.001	0.034	1.666	0.397	0.014	BDL	0.026	0.040	0.177
Jorhat	Titabor	DW	0.00014	0.105	0.001	0.001	0.020	4.781	0.245	0.006	BDL	0.008	0.067	0.002
Kamrup	Aghyathuri	DW	0.00020	0.071	0.001	0.002	0.274	27.994	0.283	0.025	0.006	0.033	0.506	0.026
Kamrup	Bamunigaon	DW	0.00019	0.138	0.001	0.005	0.068	22.084	0.748	0.052	BDL	0.006	0.235	0.059
Kamrup	Boko	DW	0.00175	0.060	0.001	0.001	0.029	10.152	0.097	0.038	BDL	0.004	0.018	0.015
Kamrup	Chhaygaon	DW	BDL	3.124	0.001	0.000	0.032	2.530	0.447	BDL	BDL	0.027	0.095	0.139
Kamrup	Darkuchi	DW	0.00037	0.020	0.001	0.001	0.026	1.968	0.103	0.013	BDL	0.024	0.403	0.004
Kamrup	Dora Kahara	DW	BDL	0.125	0.001	0.001	0.060	2.371	0.152	0.005	0.004	0.020	0.350	0.170
Kamrup	Hajo	DW	0.00004	1.356	0.002	BDL	0.012	2.328	0.067	0.005	0.001	0.023	0.247	0.099
Kamrup	Khetri II	DW	0.00019	0.115	0.000	0.000	0.099	3.996	0.109	0.022	BDL	0.014	BDL	0.032
Kamrup	Rani	DW	0.00058	0.195	0.002	0.004	0.079	6.048	0.447	0.024	BDL	0.035	0.040	0.008
Kamrup	Rani II	DW	0.00293	0.218	0.007	0.007	0.162	5.599	0.043	0.010	BDL	0.031	0.047	0.006
Kamrup	SamantaPathar	DW	0.00105	0.544	0.002	0.001	0.309	-	0.854	0.036	BDL	0.021	0.371	0.222
Kamrup	Sonapur	DW	0.00001	0.984	0.002	0.001	0.417	3.963	0.238	0.134	BDL	0.060	0.293	0.010
Kamrup	Sonapur II	DW	0.00015	0.088	0.000	BDL	0.076	2.630	0.017	0.007	BDL	0.016	BDL	0.017
Kamrup	Sualkuchi	DW	BDL	3.544	0.002	0.001	0.030	2.336	4.156	0.001	BDL	0.034	0.255	5.823
Kamrup	Tarani	DW	BDL	0.132	0.001	0.001	0.044	0.915	0.846	0.021	BDL	0.014	0.165	0.029
Kamrup	Kachkatchi	DW	0.00084	0.072	0.001	0.001	0.254	8.810	0.061	0.018	BDL	0.033	0.064	0.011
Kamrup	Topatoli N/Bamfor	DW	0.00019	0.027	0.000	0.000	0.093	3.477	0.164	0.025	BDL	0.013	BDL	0.106
KarbiAnglong	Amlokhi	DW	0.10631	0.229	0.019	0.002	0.037	2.125	0.502	0.383	BDL	0.052	0.066	0.065
KarbiAnglong	Balipathar	DW	0.00017	0.096	0.038	0.001	0.137	21.416	0.113	0.050	BDL	0.068	0.187	0.027
KarbiAnglong	Boithalangsu	DW	0.00050	0.085	0.001	BDL	0.214	4.751	0.034	BDL	BDL	0.021	BDL	0.006
KarbiAnglong	Bokajan I	DW	0.00019	0.099	0.039	0.001	0.137	22.153	0.115	0.034	0.012	0.075	0.235	0.048

District	Location	Type of sample (EW or DW)	Cr	Mn	Ni	Cu	Zn	Al	As	Se	Ag	Cd	Pb	U
			mg/L					ppb						
KarbiAnglong	Bokajan II	DW	0.00014	0.172	0.008	0.000	0.039	26.960	0.164	0.067	BDL	0.029	0.028	0.010
KarbiAnglong	Bokulia	DW	0.00101	3.174	0.004	0.001	0.102	2.457	0.989	0.011	BDL	0.019	BDL	0.088
KarbiAnglong	Dengaon	DW	0.00069	0.186	0.002	BDL	0.218	19.954	0.801	0.142	BDL	0.025	0.301	0.013
KarbiAnglong	Deopani	DW	0.00038	0.015	0.002	0.000	0.015	19.396	0.153	0.042	BDL	0.008	0.055	0.036
KarbiAnglong	Dillai	DW	0.00007	0.252	0.074	0.004	0.184	-	0.585	0.489	BDL	0.159	2.188	0.114
KarbiAnglong	Diphu (Lumdingroad)	DW	0.00019	0.010	0.001	0.001	0.059	5.995	0.117	0.095	BDL	0.016	0.214	0.319
KarbiAnglong	Diphu (Matibung road)	DW	0.00072	0.017	0.002	0.001	0.024	-	0.191	0.086	BDL	0.015	0.169	0.059
KarbiAnglong	Dishobai	DW	0.00035	0.015	0.002	0.000	0.016	40.245	0.153	0.053	BDL	0.008	0.017	0.025
KarbiAnglong	Dokmoka	DW	0.00092	0.009	0.000	BDL	0.119	5.639	0.180	0.038	BDL	0.002	0.005	0.410
KarbiAnglong	Donkamokam	DW	0.00059	0.040	0.000	BDL	0.114	7.145	0.123	0.018	BDL	0.022	0.007	0.016
KarbiAnglong	GhourialDhubi	DW	0.00072	0.160	0.009	0.001	0.057	33.823	0.050	0.075	BDL	0.062	0.146	0.020
KarbiAnglong	Hidipi	DW	0.00011	1.827	0.003	0.001	0.033	3.232	2.290	0.014	BDL	0.014	BDL	1.947
KarbiAnglong	Kalonga	DW	0.00083	0.053	0.004	BDL	0.251	3.968	0.072	0.011	BDL	0.022	BDL	0.016
KarbiAnglong	Kheronighat	DW	0.00071	0.018	0.002	BDL	0.092	3.668	0.049	0.011	BDL	0.029	BDL	0.017
KarbiAnglong	Lakhijan	DW	0.00012	1.798	0.002	0.000	0.032	2.225	2.357	0.014	BDL	0.007	BDL	1.924
KarbiAnglong	Langhing	DW	0.00049	0.008	0.000	0.000	0.157	5.647	0.086	0.026	BDL	0.006	0.018	0.043
KarbiAnglong	Manikpur	DW	0.00010	0.012	0.000	0.000	0.053	19.760	0.337	0.014	BDL	0.006	BDL	0.456
KarbiAnglong	Manja	DW	0.00157	0.340	0.013	0.002	0.086	72.450	0.203	0.103	BDL	0.137	0.376	0.020
KarbiAnglong	Phonglangso	DW	0.00016	0.062	0.003	0.000	0.040	10.259	0.104	0.036	BDL	0.010	BDL	0.026
KarbiAnglong	Phuloni	DW	0.00054	0.013	0.001	0.001	0.094	3.522	0.688	0.033	BDL	0.013	BDL	1.246
KarbiAnglong	Saphapani	DW	0.00092	0.156	0.009	0.001	0.058	36.086	0.080	0.045	BDL	0.052	0.128	0.018
KarbiAnglong	Silanijan	DW	0.00069	0.157	0.009	0.001	0.061	31.750	0.064	0.061	BDL	0.061	0.142	0.019
KarbiAnglong	Swarghati	DW	0.00034	0.268	0.000	BDL	0.064	22.926	0.744	0.046	BDL	0.004	0.008	0.138
KarbiAnglong	Terangaon	DW	0.10854	0.232	0.019	0.002	0.037	1.666	0.509	0.283	BDL	0.042	0.017	0.065
Karimganj	Badarpur	DW	BDL	1.088	0.002	0.000	0.022	2.120	0.305	0.056	BDL	0.065	0.003	0.004
Karimganj	Dhaulia	DW	BDL	0.734	0.001	BDL	0.014	2.231	1.105	0.004	BDL	0.051	0.033	0.003
Karimganj	Hatikira	DW	BDL	1.023	0.001	BDL	0.014	4.817	0.818	0.032	BDL	0.010	0.003	0.006
Karimganj	Karimganj	DW	BDL	1.362	0.000	BDL	0.008	1.539	1.205	0.012	BDL	0.015	0.004	0.094
Karimganj	Kayasthagram	DW	0.00000	0.694	0.001	BDL	0.014	2.581	0.553	0.008	BDL	0.008	0.005	0.297
Karimganj	R. K. Nagar	DW	BDL	0.080	0.003	BDL	0.015	1.492	0.128	0.015	BDL	0.010	0.004	0.006
Kokrajhar	Rupshi	DW	0.00034	0.015	0.001	0.002	3.746	13.257	1.851	0.013	0.015	0.102	19.850	0.101

District	Location	Type of sample (EW or DW)	Cr	Mn	Ni	Cu	Zn	Al	As	Se	Ag	Cd	Pb	U
			mg/L					ppb						
Lakhimpur	Amguri	DW	0.00006	0.095	0.002	0.000	0.004	0.287	0.104	0.036	0.005	0.007	0.058	0.014
Lakhimpur	BhogpurCharali	DW	0.00006	0.178	0.002	0.002	0.003	0.383	0.974	0.005	0.047	0.018	0.017	0.371
Lakhimpur	Dejoo	DW	0.00004	0.007	0.002	0.000	0.008	6.443	0.054	0.020	BDL	0.010	0.028	0.007
Lakhimpur	DolanghatCharali	DW	0.00002	0.034	0.001	0.000	0.003	BDL	0.071	0.010	0.005	0.015	0.020	0.051
Lakhimpur	Harmoti	DW	0.00006	0.018	0.001	0.000	0.009	1.904	0.043	0.031	BDL	0.013	0.002	0.058
Lakhimpur	Koilamari	DW	0.00075	0.001	0.002	0.000	0.004	2.096	0.024	0.010	BDL	0.005	0.023	0.005
Lakhimpur	Laluk	DW	0.00008	0.006	0.001	0.001	0.005	0.539	0.089	0.010	0.004	0.087	0.031	0.074
Lakhimpur	Milanpur	DW	0.00071	0.002	0.004	0.000	0.010	14.812	0.491	0.004	BDL	0.007	0.020	0.103
Lakhimpur	Mori Dirgha	DW	BDL	0.566	0.000	BDL	0.003	BDL	1.375	BDL	BDL	0.004	BDL	BDL
Lakhimpur	Panigaon	DW	BDL	0.367	0.004	0.000	0.015	4.298	0.648	0.009	BDL	0.024	0.019	0.147
Lakhimpur	Pathalipam	DW	0.00039	0.006	0.004	0.001	0.017	7.655	0.059	0.084	BDL	0.003	0.076	0.002
Lakhimpur	Pathalipam II	DW	0.00008	0.009	0.005	0.001	0.014	12.527	0.024	0.031	BDL	0.017	0.095	0.001
Morigaon	Baghara	DW	0.00177	0.458	0.001	0.000	0.100	7.686	0.652	0.034	BDL	BDL	0.025	0.027
Morigaon	Bar Bhagia/Barabhugia	DW	0.00784	0.410	0.001	0.003	0.259	23.937	1.103	0.011	BDL	0.024	0.485	0.063
Morigaon	Baropujia	DW	0.00151	0.789	0.002	BDL	0.058	10.122	0.158	0.030	BDL	0.001	0.005	0.016
Morigaon	Basanaghat	DW	0.00481	0.015	0.001	0.000	0.072	10.468	0.826	0.015	BDL	0.007	0.044	0.436
Morigaon	Deosal	DW	0.00011	0.052	0.001	0.000	0.097	6.244	0.533	BDL	BDL	0.020	BDL	0.101
Morigaon	GarmariGaon	DW	0.00098	0.060	0.002	0.001	0.073	3.159	1.382	0.003	BDL	0.013	0.020	0.564
Morigaon	Jagiroad	DW	0.00012	0.040	0.001	0.000	0.082	3.841	0.082	0.058	BDL	0.016	BDL	0.014
Morigaon	Kumoi	DW	0.00005	0.679	0.001	BDL	0.040	13.371	0.910	0.019	BDL	0.006	0.051	0.166
Morigaon	Mairabari/Moirabari	DW	0.00702	0.064	0.001	0.000	0.208	21.924	0.300	0.042	BDL	0.009	0.160	10.655
Morigaon	Nasatra	DW	0.00064	0.835	0.001	BDL	0.044	7.700	0.466	0.000	BDL	0.014	0.055	3.278
Morigaon	New Nellie	DW	0.00109	0.026	0.001	BDL	0.117	13.562	0.020	0.022	BDL	0.020	0.010	0.005
Morigaon	SilsangNamghar	DW	0.00002	0.901	0.001	0.000	0.097	2.476	0.191	0.011	BDL	0.013	BDL	0.290
Nagaon	Amsoi	DW	0.00003	0.122	0.001	0.000	0.121	7.536	0.105	0.004	BDL	0.017	BDL	0.016
Nagaon	Balijuri	DW	0.00231	0.052	0.002	0.002	0.127	-	0.298	0.319	BDL	0.018	0.757	0.074
Nagaon	BamuniTinali	DW	0.00098	0.221	0.001	BDL	0.060	7.496	0.789	0.034	BDL	0.004	0.004	0.018
Nagaon	Bordowa	DW	0.00007	1.710	0.002	0.001	0.044	7.565	1.366	0.034	BDL	0.028	0.062	0.048
Nagaon	Dalapani	DW	0.00039	0.061	0.001	BDL	0.067	29.535	0.361	0.015	BDL	0.009	0.002	0.296
Nagaon	Dhing	DW	0.00055	0.010	0.001	0.000	0.077	15.634	0.615	0.050	BDL	0.005	0.292	0.656
Nagaon	Doboka	DW	0.00029	0.020	0.001	0.001	0.142	22.667	0.116	0.030	BDL	0.003	0.008	0.039

District	Location	Type of sample (EW or DW)	Cr	Mn	Ni	Cu	Zn	Al	As	Se	Ag	Cd	Pb	U
			mg/L					ppb						
Nagaon	Gomotha	DW	0.00093	0.114	0.001	0.000	0.114	1.328	4.654	0.015	BDL	0.003	BDL	0.426
Nagaon	GosaibariNamghar/Gokhaibari	DW	0.00041	0.004	0.000	BDL	0.038	9.811	0.411	0.007	BDL	BDL	BDL	0.125
Nagaon	Haldiati Sub Bt	DW	0.00009	0.034	0.000	BDL	0.082	4.887	0.046	0.042	BDL	0.010	0.030	0.010
Nagaon	Hatenibatha	DW	0.00087	3.193	0.001	BDL	0.110	1.466	0.692	0.007	BDL	0.005	BDL	1.080
Nagaon	Jurapukhuri	DW	0.00025	0.063	0.002	0.000	0.068	5.051	0.011	0.034	BDL	0.010	0.073	0.003
Nagaon	Kathiatoli	DW	0.00032	3.852	0.003	BDL	0.114	1.958	0.391	0.011	BDL	0.007	BDL	0.124
Nagaon	Kondoli	DW	0.00023	0.180	0.001	BDL	0.050	2.883	1.122	BDL	BDL	0.009	BDL	0.032
Nagaon	Naltoli	DW	0.00055	0.099	0.001	0.000	0.084	2.364	0.787	0.007	BDL	0.006	BDL	0.367
Nagaon	Phulaguri	DW	BDL	1.718	0.003	BDL	0.383	18.240	0.525	BDL	BDL	0.008	0.091	0.089
Nagaon	Silghat	DW	0.00069	0.009	0.000	0.001	0.122	16.826	0.803	0.019	BDL	0.010	0.010	0.372
Nagaon	Sulung PO	DW	0.00190	1.111	0.001	BDL	0.092	23.799	0.981	0.026	BDL	0.003	0.084	1.129
Sibsagar	Gargaon	OW	0.00118	0.279	0.001	0.001	3.174	3.583	4.810	0.006	BDL	0.293	0.377	0.002
Sibsagar	Sapekhati	DW	0.00013	0.037	0.004	0.001	0.017	15.437	0.090	0.034	BDL	0.015	0.051	0.010
Sonitpur	18th Mile	DW	BDL	0.404	0.004	BDL	0.052	4.136	0.143	0.013	BDL	0.014	0.016	0.059
Sonitpur	Balipara	DW	BDL	0.224	0.003	BDL	0.020	2.674	0.608	BDL	BDL	0.010	0.013	1.033
Sonitpur	Barchola	DW	0.00077	0.006	0.005	0.000	0.026	14.682	0.986	0.057	BDL	0.025	0.030	0.036
Sonitpur	Charduar	DW	0.00050	0.010	0.003	0.000	0.038	17.692	0.053	0.018	BDL	0.011	0.015	1.737
Sonitpur	Dhekiajuli	DW	0.00002	0.772	0.001	0.000	0.058	3.421	0.526	0.013	BDL	0.011	0.068	0.008
Sonitpur	Garumari/Ghoramari	DW	0.00001	0.048	0.004	BDL	0.025	9.236	0.626	0.026	BDL	0.004	0.045	0.274
Sonitpur	Poruachari, Tezpur	DW	BDL	0.238	0.003	0.001	0.048	2.988	0.109	BDL	BDL	0.010	0.030	0.063
Sonitpur	Thelamara	DW	BDL	0.050	0.000	BDL	0.222	3.042	0.068	0.009	BDL	0.017	0.039	0.031
Sonitpur	Tupia	DW	0.00110	0.006	0.004	0.001	0.009	10.568	1.398	0.013	BDL	0.011	0.019	0.465
Tinsukia	Borgolai	DW	0.00024	0.619	0.064	0.002	0.122	84.825	1.596	1.396	BDL	0.243	0.349	0.016
Tinsukia	Digboi	DW	0.00006	0.110	0.003	BDL	0.035	6.107	0.116	0.022	BDL	0.033	BDL	0.095
Tinsukia	Jagun	DW	0.00014	0.087	0.001	0.000	0.031	6.783	0.156	0.013	BDL	0.023	0.024	BDL
Tinsukia	Jaipur Naharjan	DW	0.00023	0.429	0.002	BDL	0.015	6.568	0.355	0.004	BDL	0.002	BDL	0.011
Tinsukia	KumsangSelen guri	DW	0.00008	0.052	0.002	0.000	0.058	2.396	0.078	0.035	BDL	0.024	0.017	0.004
Tinsukia	Lekhapani	DW	0.00009	0.093	0.005	BDL	0.048	2.651	0.295	0.009	BDL	0.008	BDL	0.095
Tinsukia	Panitola	DW	0.00037	0.001	0.000	0.001	0.018	7.703	0.206	0.035	BDL	0.043	0.031	0.240
Tinsukia	Sadia	DW	0.00011	0.017	0.000	0.000	0.038	7.036	0.117	0.020	BDL	0.018	0.017	0.043

District	Location	Type of sample (EW or DW)	Cr	Mn	Ni	Cu	Zn	Al	As	Se	Ag	Cd	Pb	U
			mg/L					ppb						
Tinsukia	Tinsukia	DW	0.00013	0.354	0.003	0.002	0.034	4.560	0.174	0.092	BDL	0.033	0.091	0.118
Tinsukia	Tipong	DW	0.00014	2.733	0.121	0.000	0.109	-	1.391	3.027	BDL	0.420	1.224	0.048
Tinsukia	Tirap Gate	DW	0.00007	0.158	0.008	0.000	0.031	2.974	1.039	0.017	BDL	0.011	BDL	0.000
Udalguri	Bengbari	DW	0.00002	0.007	0.000	0.001	0.046	1.775	0.171	BDL	0.012	0.007	0.460	0.416
Udalguri	Bhalukmari	DW	0.00004	0.091	0.002	0.001	10.138	3.398	0.126	BDL	0.019	0.373	39.097	0.002
Udalguri	Hatitopagaon	DW	BDL	1.475	0.000	0.001	0.087	1.722	0.388	0.001	0.026	0.007	0.533	0.166
Udalguri	Kalaigaon	DW	0.00003	0.011	0.000	0.001	0.019	9.362	0.220	BDL	0.015	0.009	0.505	0.054
Udalguri	Paneri	DW	BDL	0.450	0.000	0.000	0.016	1.038	0.828	0.009	BDL	0.012	0.269	0.283
Udalguri	RowtaChariali	DW	0.00006	0.001	0.000	0.002	0.056	2.389	0.382	0.009	0.008	0.011	0.534	0.021
Udalguri	RowtaChariali	DW	BDL	0.835	0.001	0.001	0.063	5.783	0.424	0.029	BDL	0.027	0.269	2.733
Udalguri	Token Katta, Tangla	DW	0.00014	0.035	0.001	0.001	3.506	18.643	0.879	0.013	0.032	0.161	42.118	0.352
MEGHALAYA														
East Garo Hills	BaizaRongren g	DW	0.00004	0.108	0.000	0.000	0.063	4.634	0.018	0.010	BDL	0.014	0.017	0.005
East Garo Hills	Dobetkolgiri	DW	0.00012	0.278	0.003	0.000	0.042	24.360	0.201	0.123	BDL	0.016	0.093	0.009
East Garo Hills	Narringirri	DW	0.00011	0.027	0.001	0.001	0.077	49.125	0.101	0.109	BDL	0.025	0.272	0.023
East Garo Hills	Rongjeng	DW	0.00021	0.358	0.003	0.001	0.498	-	1.344	2.012	BDL	0.160	0.268	0.012
East Garo Hills	Rongmil	DW	0.00007	0.124	0.000	0.000	0.050	2.530	0.043	0.010	BDL	0.021	BDL	0.007
East Garo Hills	SamandaMega pagre	DW	0.00026	0.009	0.000	BDL	0.019	7.427	0.001	0.038	BDL	0.008	0.001	0.110
East Garo Hills	Songsak	DW	0.00008	0.055	0.002	0.001	0.033	-	0.168	0.336	BDL	0.010	0.598	0.032
East Garo Hills	Williamnagar	DW	0.00188	0.107	0.003	0.004	0.051	152.043	0.214	0.138	BDL	0.016	0.226	0.027
East Khasi Hills	Cherrapunji	DW	0.00019	0.005	0.001	0.000	0.222	18.034	0.118	0.048	BDL	0.030	0.116	0.001
East Khasi Hills	Dangar	DW	0.00038	0.207	0.001	0.002	0.324	7.892	0.106	0.020	0.037	0.037	0.118	0.059
East Khasi Hills	Ichamati	DW	0.00089	0.001	0.000	0.000	0.400	5.591	0.056	0.023	BDL	0.021	0.238	0.175
East Khasi Hills	Lr.Lachaumiere	DW	0.00006	0.028	0.000	0.000	0.022	7.659	0.046	0.010	BDL	0.020	0.056	0.004
East Khasi Hills	Shillong Golf Links	DW	0.00026	0.012	0.000	0.000	0.015	19.254	0.027	0.015	BDL	0.010	0.027	0.002
North Garo Hills	Dainadubi	DW	0.00003	0.794	0.000	0.000	0.025	2.047	0.443	0.052	BDL	BDL	BDL	0.015
North Garo Hills	Mendal	DW	0.00013	0.026	0.001	0.000	0.031	7.944	0.026	0.024	BDL	0.004	0.006	0.004
North Garo Hills	Mendipathar	DW	0.00001	0.041	0.001	0.000	0.029	21.222	0.089	0.095	BDL	0.016	0.042	0.014
North Garo Hills	Bajengdoba New	DW	0.00005	0.959	0.006	0.000	0.077	86.932	0.351	0.280	BDL	0.016	0.032	0.019

District	Location	Type of sample (EW or DW)	Cr	Mn	Ni	Cu	Zn	Al	As	Se	Ag	Cd	Pb	U
			mg/L					ppb						
RiBhoi	Tamanpahlong	DW	0.00048	0.012	0.001	0.000	1.108	56.417	0.089	0.102	0.005	0.016	0.193	0.015
RiBhoi	UmroiMaidan	DW	0.00009	0.081	0.001	0.001	1.393	25.645	0.083	0.067	0.037	0.152	1.480	0.005
RiBhoi	Byrnihat	DW	0.00009	0.381	0.001	BDL	0.503	0.776	0.086	0.017	0.008	0.118	BDL	0.019
RiBhoi	Nongpoh	DW	0.00049	0.152	0.002	BDL	0.907	35.505	0.135	0.130	0.013	0.026	0.513	0.012
RiBhoi	Pahanmawlier	DW	0.00330	0.005	0.001	0.014	0.330	8.782	0.460	0.006	0.011	0.027	0.334	0.452
RiBhoi	Patharkhamma Barigaon	DW	0.00030	0.029	0.001	0.000	1.527	32.279	0.065	0.083	0.018	0.025	0.669	0.008
South West Garo Hills	Ampati	DW	BDL	0.275	0.008	0.000	0.031	5.772	0.118	0.052	BDL	0.037	0.002	0.006
South West Garo Hills	Garobandha	DW	0.00005	0.024	0.001	0.000	0.025	5.599	0.047	0.095	BDL	0.004	BDL	0.004
South West Garo Hills	Mahendraganj	DW	0.00003	0.252	0.001	0.000	0.045	3.496	0.401	0.067	BDL	0.012	BDL	0.495
South West Garo Hills	Zikzak	DW	0.00008	0.279	0.002	0.000	0.030	4.151	0.235	0.010	BDL	0.002	BDL	0.171
West Garo Hills	Asanang	DW	0.00001	0.029	0.001	0.000	0.033	24.291	0.055	0.010	BDL	0.002	0.144	0.008
West Garo Hills	Baljek	DW	0.00026	0.071	0.002	0.000	0.057	39.157	0.022	0.010	BDL	0.016	0.036	0.007
West Garo Hills	Belguri	DW	0.00008	0.179	0.001	0.001	0.024	4.254	0.376	BDL	BDL	0.002	0.034	0.001
West Garo Hills	Dalu	DW	0.00002	0.202	0.001	0.000	0.162	4.185	0.111	0.019	BDL	0.018	BDL	0.005
West Garo Hills	Phulbari	DW	0.00004	0.102	0.001	0.000	0.019	2.496	0.134	0.010	BDL	0.010	BDL	0.006
West Garo Hills	Phutamati	DW	0.00005	0.329	0.001	BDL	0.026	4.910	0.222	0.024	BDL	0.012	BDL	0.064
West Garo Hills	Selsella	DW	0.00003	0.292	0.002	0.000	0.030	8.117	0.239	0.052	BDL	0.035	0.017	0.010
West Garo Hills	Snalgre	DW	0.00062	0.031	0.001	0.000	0.052	12.497	0.055	0.024	BDL	0.008	0.021	0.036
West Garo Hills	Tikrikilla	DW	0.00003	0.946	0.001	BDL	0.018	2.358	0.139	BDL	BDL	0.004	BDL	0.066
West Jaintia Hills	Dawki	DW	0.00005	0.434	0.000	0.000	0.009	8.101	0.480	0.008	BDL	0.011	0.002	0.221
West Jaintia Hills	Jowai New	DW	0.00025	0.052	0.000	BDL	2.953	55.837	0.039	0.056	0.013	0.028	0.138	0.172
West Khasi Hills	Mairang	DW	0.00043	0.030	0.001	0.001	0.742	8.369	0.054	0.020	BDL	0.030	0.097	0.011
NAGALAND														
Dimapur	7th Mile Colony	DW	0.00013	0.186	0.017	0.002	0.027	37.588	0.414	0.417	BDL	0.060	0.378	0.022
Dimapur	Bade Bazar	DW	0.00007	0.086	0.004	0.001	0.023	2.450	0.261	0.085	BDL	0.024	0.053	0.017
Dimapur	Chumkidima	DW	0.00012	0.467	0.028	0.001	0.086	71.309	0.388	0.218	BDL	0.108	0.157	0.024
Dimapur	Diphupar	DW	0.00008	0.160	0.016	0.000	0.115	45.247	0.065	0.046	BDL	0.059	0.179	0.007
Dimapur	Douapur DMC	DW	0.00009	0.080	0.004	0.001	0.088	29.954	0.073	0.008	BDL	0.018	0.018	0.003
Dimapur	Singrijan I	DW	0.00007	0.249	0.024	0.001	0.053	78.846	0.299	0.335	BDL	0.053	0.105	0.032

District	Location	Type of sample (EW or DW)	Cr	Mn	Ni	Cu	Zn	Al	As	Se	Ag	Cd	Pb	U
			mg/L					ppb						
Dimapur	Surja Colony	DW	0.00174	0.011	0.007	0.000	0.016	5.514	0.073	0.011	BDL	0.033	0.076	0.020
Dimapur	ThilaxuBlkII	DW	0.00180	0.025	0.024	0.001	0.039	10.508	0.116	0.049	BDL	0.030	0.178	0.751
TRIPURA														
Dhalai	Abhanga New	DW	0.00151	0.037	0.002	0.002	0.024	71.984	0.089	0.021	0.092	0.099	0.014	0.009
Dhalai	Ambassa	DW	BDL	0.821	0.002	0.000	0.086	5.009	0.102	0.033	BDL	0.013	BDL	0.375
Dhalai	Chawmanu	DW	0.00003	2.345	0.002	BDL	0.014	4.784	1.232	0.017	BDL	0.015	BDL	0.013
Dhalai	DarlangBasti	DW	0.00017	0.054	0.001	0.001	0.117	76.549	0.291	0.017	BDL	0.101	BDL	0.071
Dhalai	DurgaCherra	DW	0.00053	0.078	0.005	0.000	0.041	107.594	0.106	0.037	0.015	0.061	0.069	0.095
Dhalai	DurgaChowmuhani	DW	0.00007	1.285	0.002	0.000	0.020	14.761	0.481	0.025	BDL	0.024	0.007	0.030
Dhalai	J.M Complex, Chailengta	DW	BDL	0.759	0.003	0.000	0.021	6.908	0.477	0.005	BDL	0.028	BDL	0.020
Dhalai	Kali Kumar Para	DW	0.00025	0.090	0.006	0.001	0.066	105.344	0.090	0.092	0.068	0.155	0.340	0.064
Dhalai	Kamalpur	DW	0.00033	0.042	0.008	0.000	0.041	20.474	0.092	0.013	BDL	0.059	BDL	0.011
Dhalai	Lalchari	DW	0.00025	0.009	0.002	BDL	0.015	7.899	0.076	0.009	BDL	0.010	BDL	0.023
Dhalai	Manu New	DW	0.00004	1.007	0.002	BDL	0.020	3.069	0.164	0.009	BDL	0.044	BDL	0.172
Dhalai	NunaCherra	DW	0.00018	0.105	0.002	0.000	0.013	10.047	0.088	0.037	BDL	0.031	BDL	0.006
Dhalai	Sindhu Kumar	DW	BDL	0.553	0.001	BDL	0.028	4.576	0.418	0.009	BDL	0.014	BDL	0.137
Gomti	Amarpur	DW	0.00110	0.312	0.004	0.003	0.085	9.315	0.102	0.009	BDL	0.078	BDL	0.008
Gomti	Bampur	DW	0.00087	0.307	0.004	0.003	0.084	7.607	0.075	0.021	BDL	0.083	BDL	0.007
Gomti	Dewanbari	DW	0.00517	0.021	0.002	0.003	0.018	7.682	0.102	0.068	BDL	0.038	0.968	0.007
Gomti	Dhawajnagar	DW	0.00606	11.267	0.316	0.277	0.139	5.900	0.285	0.076	0.309	0.162	0.138	BDL
Gomti	Gorjee Bazar	DW	0.00665	1.833	0.061	0.025	0.093	21.681	0.254	0.243	BDL	0.132	0.311	0.019
Gomti	Jatanbari	DW	0.00130	0.311	0.004	0.003	0.079	7.591	0.065	0.033	BDL	0.070	BDL	0.007
Gomti	Joingkami	DW	0.00525	0.019	0.002	0.003	0.020	7.549	0.112	0.041	BDL	0.048	1.176	0.007
Gomti	Noabari-2	DW	0.00591	0.018	0.002	0.002	0.020	11.047	0.100	0.021	BDL	0.041	1.234	0.007
Khowai	45 Miles	DW	0.00004	0.196	0.001	0.000	0.008	12.770	0.672	0.017	BDL	0.007	0.025	0.043
Khowai	Kalyanpur	DW	0.00022	0.108	0.001	0.000	0.020	92.770	0.103	0.040	0.022	0.059	0.044	0.018
Khowai	Khowai	DW	0.00019	0.547	0.002	0.000	0.012	105.069	0.612	0.079	0.014	0.067	0.020	0.394
Khowai	PachimHowai bari	DW	0.00028	0.569	0.058	0.000	0.184	43.807	0.152	0.204	BDL	0.497	0.185	0.030
Khowai	Tuimadhu	DW	0.00032	0.044	0.001	0.000	0.011	21.713	0.108	0.020	BDL	0.022	0.164	0.019
North Tripura	Ananda Bazar	DW	BDL	0.718	0.000	0.000	0.010	5.842	0.857	0.024	BDL	0.020	BDL	0.003
North Tripura	Baghbassa	DW	0.00007	0.195	0.001	0.000	0.012	31.253	0.313	0.032	BDL	0.037	0.022	0.010
North Tripura	Churaibari	DW	0.00002	0.072	0.005	0.001	0.040	94.309	0.284	0.376	BDL	0.135	0.886	0.026

District	Location	Type of sample (EW or DW)	Cr	Mn	Ni	Cu	Zn	Al	As	Se	Ag	Cd	Pb	U
			mg/L					ppb						
North Tripura	Dataram	DW	0.00001	0.149	0.001	BDL	0.006	21.626	0.723	0.063	BDL	0.008	BDL	0.026
North Tripura	Deocherra	DW	0.00019	0.032	0.002	0.000	0.035	56.086	0.065	0.032	BDL	0.063	0.156	0.014
North Tripura	Dharmanagar	DW	0.00035	0.502	0.001	0.000	0.023	91.295	0.128	0.055	BDL	0.051	0.060	0.025
North Tripura	Kanchanpur	DW	0.00001	1.891	0.011	0.000	0.045	18.251	0.262	0.036	BDL	0.120	BDL	0.007
North Tripura	Khedacherra	DW	0.00016	0.650	0.001	0.000	0.016	86.010	0.619	0.051	BDL	0.039	0.066	0.072
North Tripura	Krishnapur	DW	BDL	0.047	0.001	0.000	0.037	18.866	0.042	0.024	BDL	0.026	BDL	0.015
North Tripura	Kunjanagar	DW	0.00003	0.062	0.002	0.000	0.018	20.010	0.296	0.012	BDL	0.025	BDL	0.009
North Tripura	Lalchhara	DW	0.00019	0.454	0.021	0.001	0.080	81.167	0.345	0.165	BDL	0.089	0.158	0.077
North Tripura	Laljuri	DW	0.00289	0.013	0.003	0.000	0.037	37.152	0.197	0.008	BDL	0.059	BDL	0.016
North Tripura	NabaJoypara (NatunBasti)	DW	0.00013	0.323	0.001	BDL	0.026	32.239	0.637	0.126	BDL	0.019	BDL	0.139
North Tripura	Narendra Nagar	DW	0.00003	0.105	0.003	BDL	0.022	46.110	0.058	0.016	BDL	0.055	BDL	0.015
North Tripura	Panisagar	DW	0.00033	0.200	0.040	0.000	0.125	185.678	0.900	1.173	BDL	0.143	3.021	0.091
North Tripura	Rajnagar	DW	0.00027	0.014	0.001	0.000	0.014	15.697	0.281	0.036	BDL	0.031	BDL	0.109
North Tripura	Sabual	DW	0.00017	0.068	0.016	0.000	0.023	57.837	0.061	0.068	0.096	0.067	BDL	0.006
North Tripura	Sanicherra	DW	0.00011	0.386	0.001	0.000	0.017	37.288	0.181	0.023	BDL	0.064	0.064	0.041
North Tripura	Satnala	DW	0.00001	1.390	0.001	0.001	0.027	86.246	0.680	0.027	BDL	0.133	0.096	0.091
Sepahijala	DakshinKalam cherra	DW	0.00644	0.008	0.001	0.001	0.015	1.799	0.438	0.008	BDL	0.010	0.011	0.004
Sepahijala	Golaghati	DW	0.00178	0.030	0.002	0.001	0.015	11.934	0.150	0.034	BDL	0.016	0.014	0.080
Sepahijala	Gongrai	DW	0.00109	0.033	0.002	0.002	0.020	6.890	0.157	0.034	BDL	0.014	BDL	0.075
Sepahijala	Kanthalia Bazar	DW	0.00654	0.004	0.001	0.000	0.015	2.476	0.445	0.000	BDL	0.007	0.018	0.005
Sepahijala	Lalmaibari	DW	0.00084	0.446	0.017	0.001	0.026	14.719	0.174	0.068	BDL	0.039	BDL	0.019
Sepahijala	Shivnagar	DW	0.00086	0.459	0.017	0.001	0.031	17.040	0.165	0.057	BDL	0.045	BDL	0.022
Sepahijala	Tufaniamura	DW	0.00066	0.030	0.001	0.001	0.015	6.623	0.181	0.061	BDL	0.007	BDL	0.074
South Tripura	AamliGhat	DW	0.00510	0.146	0.007	0.007	0.037	14.381	0.018	0.015	BDL	0.023	2.287	0.019
South Tripura	AnandaBandhu Para	DW	0.00055	0.216	0.001	BDL	0.006	1.737	0.349	0.012	BDL	0.008	BDL	0.004
South Tripura	Bijaynagar	DW	0.00195	0.438	0.008	0.003	0.066	9.691	0.111	0.087	BDL	0.059	0.058	0.005
South Tripura	Chatakchhari	DW	0.00242	0.038	0.009	0.003	0.032	3.224	0.005	0.012	BDL	0.024	0.087	0.004
South Tripura	Kalirbazar	DW	0.00065	0.189	0.001	0.000	0.019	2.358	0.231	0.019	BDL	0.011	BDL	0.004
South Tripura	Magroom	DW	0.00073	0.061	0.002	0.001	0.019	2.484	0.087	0.008	BDL	0.017	0.172	0.030
South Tripura	ManurMukh	DW	0.00045	0.031	0.000	0.000	0.008	3.420	4.902	0.004	BDL	0.015	BDL	0.188
South Tripura	MotuMogpara	DW	0.00120	0.016	0.001	0.000	0.028	5.805	0.109	0.016	BDL	0.025	BDL	0.043

District	Location	Type of sample (EW or DW)	Cr	Mn	Ni	Cu	Zn	Al	As	Se	Ag	Cd	Pb	U
			mg/L					ppb						
South Tripura	PaschimJalefa EW	DTW	0.00080	0.480	0.002	BDL	0.010	2.985	1.345	0.002	BDL	0.002	BDL	0.009
South Tripura	Poangbari	DW	0.00120	0.270	0.002	0.001	0.017	11.470	0.556	0.013	BDL	0.018	BDL	0.114
South Tripura	PurbaTakka	DW	0.00085	0.271	0.002	0.001	0.018	11.617	0.551	0.019	BDL	0.020	BDL	0.112
South Tripura	Radhanagar	DW	0.00108	0.033	0.001	0.000	0.008	5.984	5.002	0.013	BDL	0.009	BDL	0.205
South Tripura	Rajnnagar (South T)	DW	0.00120	0.022	0.002	0.001	0.012	5.479	0.071	0.007	BDL	0.030	BDL	0.010
South Tripura	Sabroom	DW	0.00248	0.166	0.012	0.006	0.085	22.417	0.091	0.058	BDL	0.049	0.360	0.011
Unakoti	Chandra- moni Kami	DW	0.00046	0.146	0.003	0.001	0.020	163.603	0.275	0.061	0.018	0.052	0.113	0.048
Unakoti	Dumdum	DW	0.00058	0.074	0.005	0.001	0.045	-	0.200	0.173	BDL	0.143	0.102	0.044
Unakoti	Gaurnagar	DW	0.00052	0.313	0.001	0.001	0.013	77.726	0.536	0.055	BDL	0.049	0.076	0.061
Unakoti	Jarultali	DW	0.00045	0.301	0.049	0.000	0.204	48.600	0.151	0.064	0.004	0.352	0.008	0.021
Unakoti	Kanchan- cherra	DW	0.00001	0.039	0.001	BDL	0.017	12.212	0.224	0.205	BDL	0.014	0.079	0.013
Unakoti	Karaicherra	DW	0.00004	0.256	0.003	0.000	0.019	23.588	0.528	0.052	0.017	0.067	BDL	0.008
Unakoti	Kumarghat	DW	0.00057	0.008	0.001	0.000	0.017	8.706	0.161	0.067	BDL	0.023	BDL	0.025
Unakoti	Pancham- nagar	DW	0.00046	0.069	0.004	0.000	0.024	75.897	0.185	0.026	0.000	0.060	0.050	0.077
Unakoti	Pecharthal	DW	0.00010	0.135	0.001	BDL	0.020	9.638	0.285	0.028	BDL	0.011	BDL	0.081
West Tripura	A.D Nagar	DW	0.00010	0.054	0.001	0.002	0.326	31.882	0.061	0.031	BDL	0.044	0.476	0.005
West Tripura	Ishanpur	DW	BDL	0.160	0.001	0.000	0.017	5.280	0.532	0.037	BDL	0.025	BDL	0.012
West Tripura	Khumulwng	DW	0.00018	0.019	0.001	0.003	0.045	66.323	0.031	0.026	0.003	0.102	0.012	0.004
West Tripura	Madhuban	DW	0.00056	0.075	0.014	0.001	0.065	69.537	0.190	0.160	BDL	0.103	0.577	0.031
West Tripura	R.K Nagar	DW	0.00022	0.083	0.001	0.001	0.032	-	0.324	0.091	BDL	0.014	0.168	0.022
West Tripura	Simna	DW	0.00005	0.007	0.001	0.000	0.026	12.234	0.044	0.028	BDL	0.032	0.034	0.015
West Tripura	Tarapur	DW	0.00003	0.253	0.002	0.002	0.024	31.882	0.927	0.110	BDL	0.029	0.051	0.008