

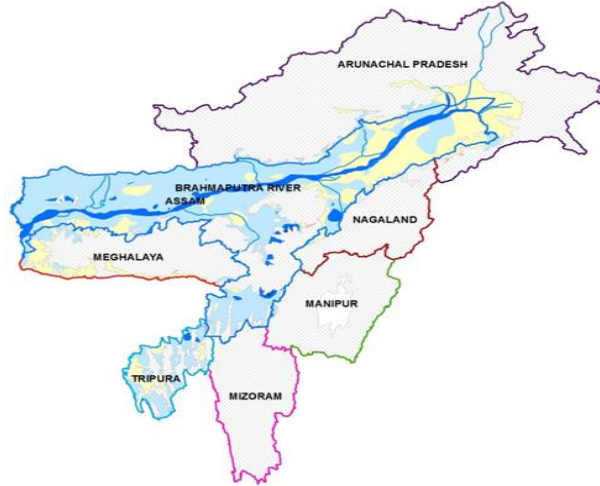


GROUND WATER YEAR BOOK

2017-18

भू-जल वार्षिक पत्रिका

२०१७-१८



CENTRAL GROUND WATER BOARD

केंद्रीय भूमिजल बोर्ड

MINISTRY OF WATER RESOURCES, RD & GJ

जल संसाधन, नदीविकास और गंगा संरक्षण मंत्रालय

GOVERNMENT OF INDIA

भारत सरकार

NORTH EASTERN REGION

उत्तर पूर्वी क्षेत्र

GUWAHATI

गुवाहाटी

September 2018

सितम्बर २०१८



GROUND WATER YEAR BOOK 2017-18

भू-जल वार्षिक पत्रिका

२०१७-१८

CENTRAL GROUND WATER BOARD
केंद्रीय भूमिजल बोर्ड
MINISTRY OF WATER RESOURCES, RD & GJ
जल संसाधन, नदीविकास और गंगा संरक्षण मंत्रालय
GOVERNMENT OF INDIA
भारत सरकार
NORTH EASTERN REGION
उत्तर पूर्वी क्षेत्र
GUWAHATI
गुवाहाटी
September 2018
सितम्बर २०१८

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 678 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 G.Vengatajalapathi STA. 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 D.Rabha öSc-Bö in overall supervision of the work, 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, 2018

(G.L. Meena)
Regional Director

**GROUND WATER YEAR BOOK
NORTH EASTERN REGION
2017-2018 CONTENTS**

Sl.No	Item	Page No
	Executive Summary	
1.	Introduction	1-4
2.	Distribution Of Ground Water Monitoring Wells In The Region	5-6
3.	Rainfall	7.14
4.	Geology	15-16
5.	Hydrogeology	17-18
6.	Behaviour of Water Level	19-38
7.	Hydrochemistry	39-42
8.	Conclusions	43-45

FIGURES	
1	Physiographic map of North Eastern Region
2	Drainage map of North Eastern Region
3	Basin & Sub-Basin Map of North Eastern Region
4	Isohyets (Rainfall Distribution) Map of NER
5	Depth to Water Level Ranges, March 2017
6	Depth to Water Level Ranges, August 2017
7	Depth to Water Level Ranges, November 2017
8	Depth to Water Level Ranges, January 2018
9	Water Level Fluctuation (August 2017 and March 2017)
10	Water Level Fluctuation (November 2017 and March 2017)
11	Water Level Fluctuation (November 2017 and August 2017)
12	Water Level Fluctuation (January 2018 and March 2017)
13	Water Level Fluctuation (January 2018 and August 2017)
14	Water Level Fluctuation (January 2018 and November 2017)
15	Water Level Fluctuation (March 2017 and March 2016)
16	Water Level Fluctuation (August 2017 and August 2016)

17	Water Level Fluctuation (November 2017 and November 2016)
18	Water Level Fluctuation (January 2018 and January 2017)
19	Water Level Fluctuation (Decadal Mean (August 2007-2016) and August 2017)
20	Water Level Fluctuation (Decadal Mean (November 2007-2016) and November 2017)
21	Water Level Fluctuation (Decadal Mean (January 2008-2017) and January 2018)
22	Water Logging Conditions during March 2017
23	Water Logging Conditions during November 2017

ANNEXURES	
I	Details of Ground Water Monitoring Wells in North Eastern Region
I A	Details of Ground Water Monitoring Wells in Guwahati
II	Depth to Water Level in Ground Water Monitoring Wells (in meter below ground level)
IIA	Depth to Water Level in Monthly Monitored Ground Water Wells in NER (in meter below ground level)
III	Depth to Water Level Range, March 2017
IV	Depth to Water Level Range, August 2017
V	Depth to Water Level Range, November 2017
VI	Depth to Water Level Range, January 2018
VII	District wise Categorization of Water Level Fluctuation (August 2017 and March 2017)
VIII	District wise Categorization of Water Level Fluctuation (November 2017 and March 2017)
IX	District wise Categorization of Water Level Fluctuation (November 2017 and August 2017)
X	District wise Categorization of Water Level Fluctuation (January 2018 and March 2017)
XI	District wise Categorization of Water Level Fluctuation (January 2018 and August 2017)
XII	District wise Categorization of Water Level Fluctuation (January 2018 and November 2017)
XIII	District wise Categorization of Water Level Fluctuation (March 2017 and March 2016)
XIV	District wise Categorization of Water Level Fluctuation (August 2017 and August 2016)
XV	District wise Categorization of Water Level Fluctuation (November 2017 and November 2016)
XVI	District wise Categorization of Water Level Fluctuation (January 2018 and January 2017)
XVII	District wise Categorization of Water Level Fluctuation with 10 years Mean (August 2007- August 2016) ó August - 2017
XVIII	District wise Categorization of Water Level Fluctuation with 10 years Mean Period (November 2007- November 2016) ó November- 2017
XIX	District wise Categorization of Water Level Fluctuation with 10 years Mean Period (January 2007- January 2016) ó January- 2017
XX	Long Term Ground Water Level Trend óPre monsoon (2008-2017)
XXI	Long Term Ground Water Level Trend óPost monsoon (2008-2017)
XXII	Chemical Qualities data of Ground Water in NER (2017-18)
XXIII	Arsenic Data 2017-18

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, 678 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 2018 there are 603 dug wells and 75 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 (525), Meghna (128), and Imphal (25).

In unconsolidated formations 576 GWMWs are located, while in semi-consolidated formations and consolidated formations 59 and 43 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, 2017 % of wells	August, 2017 % of wells	November, 2017 % of wells	January, 2018 % of wells
0 ó 2	14.3	45.9	42.8	22.6
2 ó 5	56.1	41.8	47.7	60.9
5 ó 10	25.9	9.5	6.7	13.3
10 ó 20	3	2.2	1.7	2.2
>20	0.7	0.6	1.1	1

Water level fluctuation of GWMWs during August 2017, November 2017 and January 2018 with respect to Pre-monsoon (March 2017) data show that there is

- Rise in water level in August 2017 in 94.6% wells.
- Rise in water level in November 2017 in 93.5% wells.
- Rise in water level in January, 2018 in 86.8% wells

Comparison of water levels of GWMWs during March 2017, August 2017, November 2017 and January 2018, with respect to the same month during the previous year shows that there is

- Rise in water level in March 2017 in 46% wells.
- Rise in water level in August 2017 in 60.8% wells.
- Rise in water level in November 2017 in 70.1% wells.
- Rise in water level in January 2018 in 70.6% wells.

Comparison of mean water level of the previous decade to the water level for the same period during 2017-18 shows that-

- During August 2017, fall is recorded in 58.7% GWMWs, as compared to decadal mean (August 2007-August 2006).
- During November 2017, rise is recorded in 69.5% GWMWs, as compared to decadal mean (November 2007-November 2006).
- During January 2018, rise is recorded 61.3% GWMWs, as compared to decadal mean (January 2008-January 2007).

Trend analysis of Pre-monsoon water level data of last ten years i.e. 2008-2017 shows falling trend in 54.5% stations and rising trend in 45.3% stations.

Trend analysis of Post monsoon water level data of last ten years i.e. 2008-2017 shows falling trend in 36.2% stations and rising trend in 63.8% stations.

During pre-monsoon period (March 2017), 14.3% (62/433) stations show water logging condition, whereas 14.7% (64/433) stations shows prone to water logging condition. During post monsoon period (November 2017) 40.8% (190/465) stations show water logging condition and 28.2% (131/465) stations show 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 from open wells only. Higher concentrations of iron are also noticed in tube wells in different parts of the region.

As per 2013 resources estimation, the region is enriched with more than 38.49 BCM of replenishable ground water resources and the stage of development is less than 35%. 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 2017-2018

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, 2018, there are 678 GWMS 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

S.No	Name of State / District	No. of Ground water Monitoring Stations (As on January, 2018)		
		DW	PZ	Total
	Arunachal Pradesh			
1	Changlang	4	0	4
2	East Siang	7	0	7
3	Lohit	1	0	1
4	Lower Subansiri	3	0	3
5	Papumpare	10	0	10
6	Tirap	3	0	3
	Total	28	0	28
	Assam			
7	Baksha	3	0	3
8	Barpeta	10	3	13
9	Bongaigaon	10	0	10
10	Cachar	21	0	21
11	Chirang	3	0	3
12	Darrang	13	2	15
13	Dhemaji	15	4	19
14	Dhubri	14	1	15
15	Dibrugarh	8	4	12
16	Goalpara	14	0	14
17	Golaghat	14	0	14
18	Hailakandi	6	1	7
19	Jorhat	26	0	26
20	Kamrup	24	0	24
21	Kamrup Metro	20	0	20
22	Karbi Anglong	45	0	45

S.No	Name of State / District	No. of Ground water Monitoring Stations (As on January, 2018)		
		DW	PZ	Total
23	Karimganj	9	0	9
24	Kokrajhar	15	0	15
25	Lakhimpur	25	1	26
26	Morigaon	16	6	22
27	Nagaon	31	4	35
28	Nalbari	7	1	8
29	Sibsagar	13	4	17
30	Sonitpur	28	1	29
31	Tinsukia	15	0	15
32	Udalguri	12	0	12
	Total	417	32	449
	Manipur			
33	Bishnupur	1	1	2
34	Chandel	3	0	3
35	Churachandpur	1	2	3
36	Imphal East	2	0	2
37	Imphal West	4	1	5
38	Senapati	1	0	1
39	Tamenglong	0	1	1
40	Thoubal	2	6	8
	Total	14	11	25
	Meghalaya			
41	East Garo Hills	10	0	10
42	East Khasi Hills	9	3	12
43	Jaintia hills	2	0	2
44	North Garo Hills	5	0	5
45	Ri-Bhoi	7	9	16
46	South West Garo Hills	5	0	5
47	West Garo Hills	14	0	14
48	West Khasi Hills	1	0	1
	Total	53	12	65
	Nagaland			
49	Dimapur	17	6	23
50	Kohima	2	1	3
51	Mokokchung	0	1	1
52	Mon	1	1	2
53	Phek	0	1	1
54	Tuensang	0	1	1
55	Wokha	2	1	3
	Total	22	12	34

S.No	Name of State / District	No. of Ground water Monitoring Stations (As on January, 2018)		
		DW	PZ	Total
	Tripura			
56	Dhalai	7	0	7
57	Gomati	8	0	8
58	Khowai	6	0	6
59	North Tripura	14	0	14
60	Sipahi-Jala	8	0	8
61	South Tripura	12	0	12
62	Unakoti	8	0	8
63	West Tripura	6	8	14
	Total	69	8	77
	Grand Total	603	75	678

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 2017-2018. The GWMS in Nagaland and Manipur States and a few districts of 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 28 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	1	0	28
2	Assam	429	12	8	449
3	Manipur	12	13	0	25
4	Meghalaya	15	15	35	65
5	Nagaland	26	8	0	34
6	Tripura	67	10	0	77
	Total	576	59	43	678

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 78.3%(531) of the Network Wells are located in this Basin. In Meghna Basin, about 18%(122) of the Wells are located and the remaining 3.67% (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 6 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	Dhubri (15) , Kokrajhar (15)	30
2	Manas	Barpeta (13), Bongaigaon (10), Chirang (3) Nalbari (6) Baksa (3)	35
3	Mora Dhansiri	Darrang (15), Kamrup (24), Nalbari (2), Sonitpur (9),Udalguri (12)	62
4	Kameng	Sonitpur (3)	3
5	Badeng Pabnai	Lakhimpur (2), Sonitpur (17)	19
6	Subansiri	Papumpare (10), Dhemaji (5), Lakhimpur (24) Lower Subansiri (3)	42
7	Siang	East Siang (7), Dhemaji (14)	21
8	Lohit	Changlang (2), Lohit (1)	3
9	Dibru	Dibrugarh (6), Tinsukia (11)	17
10	Burhi Dihing	Changlang (2), Dibrugarh (5), Tinsukia (4)	11
11	Disang	Tirap (3), Dibrugarh (1), Golaghat (3), Jorhat (26), Sibsagar (17), Mon (2), Mokokchung (1),	53
12	Dhansiri	Dimapur(21),Golaghat (11), Karbi Anglong (17), Kohima (3),Wokha (3), Phek(1), Tuensang (1)	57
13	Kalang- Kopili	Kamrup Metro(2), Karbi Anglong (28), Morigaon (22), Nagaon (35), East Khasi (10), Ri-Bhoi (14), Dimapur (2)	113
14	Kulsi ó Jinjinram	Goalpara (14), Kamrup Metro (18), East Garo(10), Ri-Bhoi (2), West Garo (14), West Khasi (1)	59
	IMPHAL		
1	Imphal	Bishnupur (2), Chandel (2), Churachandpur (3),Tamenglong (1) , Imphal East (2), Imphal West (5), Senapati (1), Thoubal (8)	24
2	Tuyungbi	Chandel (1)	1
	MEGHNA		
1	Soneswari	North Garo (5), East Khasi (2), Jaintia (2), South West Garo Hills (5)	14
2	Barak	Cachar(21), Dhalai(7),Hailakandi(7),Karimganj(9), North Tripura (14), West Tripura (14) , Unakoti (8)	80
3	Gumti	Gomti (8),Sipahi-Jala (8)	16
4	Fenny	South Tripura (12) , Khowai (6)	18

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 11873 mm 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 for three years (2015-2017) 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 3.1 Rainfall data (in mm) (2015-2017)

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
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
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
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
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
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
	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
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

State / District	YEAR	January	February	March	April	May	June	July	August	September	October	November	December
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
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
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
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
Assam													
Baksha	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
	2017	2.7	56.5	60	217.2	219.9	484.8	207.6	406	318.4	61.8	1.6	0
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
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
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

State / District	YEAR	January	February	March	April	May	June	July	August	September	October	November	December
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
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
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
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
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
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
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
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
	2016	28.6	19.9	64	423.7	312.7	313.5	423.3	114.3	286.7	93.8	15.8	32.9
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
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
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
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
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
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
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
NC Hills	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
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

State / District	YEAR	January	February	March	April	May	June	July	August	September	October	November	December
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
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
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
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
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
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
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
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

State / District	YEAR	January	February	March	April	May	June	July	August	September	October	November	December
	2017	0	3.3	187.3	638.5	697.6	602.6	864.4	1173.7	753.6	425.2	16	2.8
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
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				
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
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
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
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						
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
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

State / District	YEAR	January	February	March	April	May	June	July	August	September	October	November	December
	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
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
	2017	1.6	0.5	99.2	127.4	201.7	308.2	475	242.5	328.8	178.6	5.4	31.9
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	
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			
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
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
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
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
	2017	0	33.8	230.8	403.8	235	710.4	552.4	481.3	391.8	269.5	3.3	82.4

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	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 of 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 576 Ground Water Monitoring Stations are located in Unconsolidated Formations. During the year 2017-2018, the range of pre and postmonsoon water levels varied from 0.02 mbgl to 20.3 mbgl and 0.03 mbgl to 19.5 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, 59GWMS are located. The pre and postmonsoon water levels ranged from 0.7 to 6.4 mbgl and 0.28 to 6.8 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 0.15 to 43.54 mbgl and 1.03 to 25.17 mbgl respectively.

6. BEHAVIOUR OF WATER LEVEL DURING THE YEAR 2017-18

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 ,2017ó 2018are 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, 2017 (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.

Monitoring of GWMS during the month of March 2017 indicates that 31.6% (6) of the monitored stations had water level within 0-2 mbgl, 36.8% (7) stations had water level in the range of 2-5 mbgl, 15.8% (3) stations had water level from 5-10 mbgl and water level in 15.8% (3) GWMS was from 10 and 20 mbgl. A minimum and maximum water level of 0.33 mbgl and 11.83 mbgl were recorded in Papumpare district.

Assam

During the month of March 2017, 13.6% (38) of the monitored stations exhibited water level within 0-2 mbgl, 58.8% (164) GWMS in the range of 2-5 mbgl, 25.4% (71) GWMS from 5-10 mbgl, 2.2% (6) GWMS from 10 and 20 mbgl. The minimum and maximum water level of 0.02 mbgl and 16.93 mbgl were recorded inKarimganj and Dhubridistrict respectively.

Meghalaya

The Depth to water level measured during March 2017, indicates that the majority of the GWMS had water level in the range of 2-5 mbgl. Of the total monitored stations 12.3% (7) had water level within 0-2 mbgl, 63.2% (36) had water level from 2 - 5 mbgl ,21.1% (12) stations from 5-10 mbgl and in 2(3.5%) GWMS water level was above20 mbgl. The minimum and maximum water level of 0.15 mbgl and 43.54 mbgl were recorded inEast Khasi Hills district.

Nagaland

Depth to water level measured during March 2017, showed that 30.8% (4) of the monitored stations had water level within 2-5 mbgl, 38.5% (5) GWMS had water level from 5-10 mbgl, 23.1% (3) GWMS had water level from 10-20 mbgl and 1 (7.7%) of GWMS had water level above 20 mbgl. The minimum and maximum water level of 3.04 mbgl and 20.3 mbgl were recorded in Dimapur district.

Tripura

During the month of March 2017, 16.9% (11) of the monitored stations had water level within 0-2 mbgl, 49.2% (32) GWMS had water level in the range of 2 - 5 mbgl, 32.3% (21) GWMS had water level from 5-10 mbgl and 1(1.5%) GWMS had water level above 10 mbgl. The minimum and maximum water levels of 0.05 mbgl and 10.3mbgl were recorded in North Tripura and Gomati district respectively.

6.1.2 Depth to Water level during August, 2017 (Fig. 6 and Annexure IV)

Arunachal Pradesh

Water level monitored during the month of August 2017 showed that 66.67% (16) of the monitored stations had water level within 0-2 mbgl, 29.17% (7) GWMS had water level between 2-5 mbgl and 4.17% (1) GWMS had water level between 10-20 mbgl. Both minimum and maximum water levels of 0.38 mbgl and 11.57 mbgl had been recorded in Papumpare district.

Assam

During the month of August 2017, 45.16% (126) of the monitored stations had water level within 0-2 mbgl, 41.58% (116) GWMS had water level in the range of 2-5 mbgl, 11.47% (32) GWMS had water level between 5-10 mbgl, 1.79% (5) GWMS had water level between 10-20 mbgl. Minimum and maximum water levels of 0.01 mbgl and 18.9 mbgl were recorded in Cachar and Karbi Anglong District respectively.

Meghalaya

During the month of August 2017, 47.54% (29) of the monitored stations had water level within 0-2 mbgl, 44.26% (27) GWMS had water level between 2-5 mbgl, 4.92% (3) had water level of 5-10 mbgl, 1.64% (1) GWMS had water level between 10-20 mbgl and 1.64% (1) GWMS had water level beyond 20 mbgl. Minimum and maximum water levels 0.22 mbgl and 21.72 mbgl were recorded in West Jaintia Hills and Ri-Bhoi district respectively.

Nagaland

During the month of August 2017, 17.24% (5) of the monitored stations had water level within 0-2 mbgl, 58.62% (17) GWMS had water level between 2-5 mbgl, 10.34% (3) GWMS had water level between 5-10 mbgl, 6.9% (2) GWMS had water level between 10-20 mbgl and 6.9% (2) GWMS had water level beyond 20 mbgl. Minimum and maximum water level of 1.00 mbgl and 50.1 mbgl had been recorded in Kohima and Phek district respectively.

Tripura

During the month of August 2017, it was observed that 52.11% (37) of the monitored stations had water level within 0-2 mbgl, 38.03% (27) in the range of 2-5 mbgl, 8.45% (6) in the range of 5-10 mbgl and only 1.41% (1) in the range of 10-20 mbgl. The minimum and maximum water level of 0.1 mbgl and 16.38 mbgl were recorded at Khowai and West Tripura district respectively.

6.1.3 Depth to Water Level during November, 2017 (Fig. 7 and Annexure V)

Arunachal Pradesh

In Arunachal Pradesh the depth to water level were measured in 25 GWMS during the month of November 2017. It was observed that 56% (14) of the monitored stations had water level within 0-2 mbgl, 20% (5) in the range of 2-5 mbgl, 20% (5) in the range of 5-10 mbgl and only one GWMS had water level in the range of 10-20 mbgl. Both the minimum and maximum water levels of 0.05 mbgl and 13.39 mbgl were recorded in Papumpare district.

Assam

The depth to water level measured during November 2017 indicates that 46.5% (133) of the monitored stations had water level within 0-2 mbgl, 45.45% (130) of GWMS in the range of 2-5 mbgl, 6.29% (18) of GWMS in the range of 5-10 mbgl and 1.75% (5) of GWMS in the range of 10 - 20 mbgl. The minimum and maximum water levels of 0.03 mbgl and 19.5 mbgl had been recorded in Cachar and Karbi Anglong district respectively.

Meghalaya

Depth to water level measured during November 2017 indicates that water level in majority of the GWMS were in the range of 0-5 mbgl. Out of the total monitored stations 32.79% (20) recorded water level within 0-2 mbgl, 62.3% (38) in the range of 2-5 mbgl and only one station recorded water level in the range of 5-10 mbgl and 3.28% (2) stations beyond 20 mbgl. The minimum and maximum water levels of 0.31 mbgl and 25.17 mbgl were recorded in East Khasi Hills and Ri-Bhoi district respectively.

Nagaland

During November 2017, water level in 21.88% (7) of the monitored stations were recorded within 0-2 mbgl, in 59.38% (19) stations in the range of 2-5 mbgl and in 6.25% (2) stations in the range of 5-10 mbgl. Only one (3.13%) station recorded water level in the range of 10-20 mbgl and 3 (9.38%) stations beyond 20 mbgl. The minimum and maximum water levels of 0.24 mbgl and 49.5 mbgl were recorded in Kohima and Phek district respectively.

Tripura

Out of the total monitored GWMS, 40.98% (25) of the stations recorded water level within 0-2 mbgl, 49.18% (30) in the range of 2-5 mbgl, 8.2% (5) in the range of 5-10 mbgl and only 1.64% (1) in the range of 10-20 mbgl. The minimum and maximum water levels of 0.19 mbgl and 16.17 mbgl had been recorded in North Tripura and West Tripura district respectively.

6.1.4 Depth to water level during January, 2018 (Fig. 8 and Annexure VI)

Arunachal Pradesh

During January 2018, in Arunachal Pradesh, the depth to water level in 20% (5) of the monitored stations were recorded within 0-2 mbgl, 48% (12) in the range of 2-5 mbgl, 24% (6) in the range of 5-10 mbgl and 8% (2) in the range of 10-20 mbgl. The minimum and maximum water levels of 0.1 mbgl and 11.24 mbgl were recorded in Papumpare district.

Assam

The depth to water level measured during January 2018 showed that 23.59% (67) of the monitored stations recorded water level within 0-2 mbgl, 62.32% (177) in the range of 2-5 mbgl, 12.68% (36) in the range of 5-10 mbgl and 1.41% (4) in the range of 10-20 mbgl. The minimum and maximum water levels of 0.02 mbgl and 19.5 mbgl were recorded in Cachar and Dhubri district respectively.

Meghalaya

The depth to water level measured during January 2018 showed that 16.67% (10) of the monitored stations recorded water level within 0-2 mbgl, 71.67% (43) in the range of 2-5 mbgl, 8.33% (5) in the range of 5-10 mbgl and 3.33% (2) beyond 20 mbgl. The minimum and maximum water levels of 0.47 mbgl and 32.33 mbgl had been recorded in Jaintia Hills and East Khasi Hills district respectively.

Nagaland

The depth to water level measured during January 2018 showed that 9.68% (3) of the monitored stations had water level within 0-2 mbgl, 41.94% (13) stations in the range of , 29.03% (9) stations in the range of 5-10 mbgl and 9.68% (3) stations in the range of 10-20

mbgl and 9.68% (3) stations beyond 20mbgl. The minimum and maximum water levels of 0.2 mbgl and 54.7 mbgl were recorded in Dimapur and Phek district respectively

Tripura

The depth to water level measured during January 2018 showed that 31.67% (19) of the monitored stations had water level within 0-2 mbgl, 58.33% (35) had water levels between 2 and 5 mbgl, 8.33% (5) had water level between 5-10 mbgl and 1.67% (1) had water level between 10 and 20 mbgl. The minimum and maximum water levels are 0.54 mbgl and 17.64 mbgl are recorded Dhalai and West Tripura district GWMS respectively.

6.2 Water Level Fluctuation with respect to August 2017

6.2.1 Water Level Fluctuation, August 2017 and March 2017 (Fig. 9 and Annexure VII)

Arunachal Pradesh

Most of the stations showed rise in water level during August 2017 as compared to that of March 2017. Rise in water level was observed in 94.7% stations; of which 57.89% (11) were in the range of 0-2 m, 15.79% (3) in the range of 2-4 m and 21.05% (4) GWMS beyond 4 m. Only one (5.3%) GWMS indicated fall in water level in the range of 0-2 m.

Assam

Rise in water level in August 2017 was observed in 94.47% of the GWMS in comparison to March 2017. Rise was recorded in 58.89% (149) stations in the range of 0-2 m, in 30.83% (78) in the range of 2-4 m and in 4.74% (12) beyond 4 m. About 4.35% (11) of the GWMS showed fall in the range of 0-2 m and only 0.4% (1) station in the range of 2-4 m and 0.79% (2) station beyond 4 m.

Meghalaya

Comparison of water level of August 2017 with that of March 2017 shows rise in water level during August in majority of the GWMS. Rise in the range of 0-2 m was observed in 62.5% (35) GWMS, in 23.21% (13) stations in the range of 2-4 m and 10.71% (6) stations beyond 4 m. Only 3.57% (2) stations recorded fall in the range of 0-2 m.

Nagaland

Rise in water level was observed in 91.7% GWMS during August 2017 in comparison to that of March 2017. In 25% (3) GWMS rise was recorded in the range of 0-2 m, in 41.7% (5) GWMS in the range of 2-4 m and in 25% (3) GWMS beyond 4 m. Only one (8.3%) station recorded fall beyond 4 m.

Tripura

Majority of the GWMS recorded rise in water level during the month of August 2017 in comparison to that of March 2017. Rise was observed in 53.97% (34) in the range of 0-2 m, in 26.98% (17) stations in the range of 2-4 m and in 2.7% (8) GWMS beyond 4 m. Only two stations each recorded fall in the range of 0-2 m and 2-4 m.

6.3 Water Level Fluctuation with respect to November 2017

6.3.1 Water Level Fluctuation, November 2017 and March 2017 (Fig. 10 and Annexure VIII)

Arunachal Pradesh

Comparison of water level of November 2017 with March 2017 water indicates rise in 89.47% of the GWMS during November 2017. Rise was recorded in 57.89% (11) of the GWMS in the range of 0-2 m, in 21.05% (4) of the GWMS in the range of 2-4 m and in 10.53% (2) stations beyond 4 m. Fall was recorded only in one (5.26%) station each in the range of 0-2 m and 2-4 m.

Assam

By comparing the water level of November 2017 with that of March 2017 water level it is found that rise was recorded in 59.45% (151) of the GWMS in the range of 0-2 m, in 31.5% (80) of the GWMS in the range of 2-4 m and in 4.72% (12) stations beyond 4 m. Fall was observed in 3.94% (10) stations in the range of 0-2 m and only in one station beyond 4 m.

Meghalaya

Comparison of water level of November 2017 with that of March 2017 indicates rise in majority of the stations. Rise was recorded in the range of 0-2 m in 57.14% (32) of the GWMS, the range of 2-4 m in 19.64% (11) of the stations and beyond 4 m in 7.14% (4) stations. Fall was recorded in 16.07% (9) GWMS the range of 0-2 m.

Tripura

Most of the GWMS recorded rise in water level during November 2017 in comparison to March 2017. Rise in the range of 0-2 m was recorded in 61.4% (35) stations, in the range of 2-4 m in 28.07% (16) stations and beyond 4 m in 5.26% (3) stations. Fall was observed in and 3.51% (2) GWMS in the range of 0-2 and only in one (1.75%) station in the range of 2-4 m.

6.3.2 Water Level Fluctuation, November 2017 and August 2017 (Fig. 11 and Annexure IX)

Arunachal Pradesh

Comparison of water levels of November 2017 and August 2017 indicates fall in water level during November 2017 in 91.7% stations. Fall in the range of 0-2 m was recorded in 75%

(18) stations, in the range of 2-4m in 12.5% (3) stations and beyond 4m only in 1(4.17%(1) station. Only two(8.33%) stations recorded rise in the range of 0-2 m.

Assam

Comparison of November 2017 water level with that of August 2017 indicates rise in water level in 42.35%(108) of the GWMS in the range of 0-2 m, in 7.45% (19) stations in the range of 2-4 m, and in 1.96% (5) stations beyond 4m. Fall was observed in 45.1% (115) of the GWMS in the range of 0-2 m, in 2.35%(6) stations in the range of 2-4 m and only in 2(0.78%) stations beyond 4m.

Meghalaya

Comparing water levels of November 2017 and August 2017 it was observed rise in water level in 30.51%(18) of the GWMS in the range of 0-2 m. Fall was observed in 62.71% (37) of the GWMS in the range of 0-2 m, in 5.08% (3) of the GWMS in the range of 2-4 m and only in 1(1.69%) station beyond 4 m.

Tripura

Comparison of November 2017 water level with August 2017 indicates rise in 32.76% (19) of the GWMS in the range of 0-2 m and in 3.45% (2) stations in the range of 2-4 m. Fall in water level was recorded in 55.17%(32) of the GWMS in the range of 0-2 m, in 5.17%(3) stations in the range of 2-4m and in 3.45% (2) stations beyond 4m.

6.4 Water Level Fluctuation with respect to January 2018

6.4.1 Water Level Fluctuation, January 2018 and March 2017 (Fig. 12 and Annexure X)

Arunachal Pradesh

By comparing the water levels of January 2018 with March 2017 it was observed fall in 31.58%(6) of the the monitored in the range of 0-2 m and only in 1(5.26%) station in the range of 2-4 m. Rise was recorded in 57.89% (11) stations in the range of 0-2 m. Only 1(5.26%) station recorded rise in the range of 2-4 m.

Assam

During January, 2018 rise in water level was observed in majority of the stations in comparison to that of March, 2017. Rise in the range of 0-2m was recorded in 75.59%(192) of the GWMS, in 9.45%(24) stations in the range of 2-4 m and in 2.76% (7) stations beyond 4m. Fall in water level was observed in 9.84%(25) of the GWMS in the range of 0-2 m, in 1.97%(5) stations in the range of 2-4 m and only in 1(0.39%) station beyond 4m.

Meghalaya

By comparing the water levels of January 2018 with March 2017 it was observed fall in 9.09% (5) of the GWMS in the range of 0-2 m and only in 1 (1.82%) station beyond 4m. On the other hand rise was observed in 76.36% (42) of the GWMS in the range of 0-2 m, in 10.91% (6) of the GWMS in the range of 2-4 m and only in 1 (1.82%) station beyond 4m.

Nagaland

Comparison of water levels of January 2018 and March 2017 indicates fall in 16.7% (2) monitored stations in the range of 2-4 m. Rise was recorded in 25% (3) of the GWMS in the range of 0-2 m, in 25% (3) stations in the range of 2-4 m and in 33.3% (4) stations above 4 m.

Tripura

By comparing the water level of January 2018 with that of March 2017 it was observed fall in 7.41% (4) of the GWMS in the range of 0-2 m and in 3.7% (2) of the GWMS in the range of 2-4 m. Rise in water level was recorded in 68.52% (37) of the GWMS in the range of 0-2 m, in 16.67% (9) stations in the range of 2-4 m and in 3.7% (2) stations above 4 m.

6.4.2 Water Level Fluctuation, January 2018 and August 2017 (Fig. 13 and Annexure XI)

Arunachal Pradesh

By comparing the water levels of January 2018 and August 2017 it was observed fall in majority of the stations during January, 2018. Fall was recorded in the range of 0-2m in 41.67% (10) of the stations, in the range of 2-4m in 29.17% (7) of the stations and beyond 4m in 16.67% (4) of the stations. Rise was observed in 2.5% (3) of the GWMS in the range of 0-2 m.

Assam

Fall in water level was recorded in most of the stations during January, 2018 as compared to August, 2017. Fall in the range of 0-2m was recorded in 50.99% (129) of the GWMS, in the range of 2-4m in 15.42% (39) stations and beyond 4m in 3.16% (8) stations. Rise was observed in the range of 0-2m in 23.32% (59) of the GWMS, in the range of 2-4m in 6.32% (16) stations and above 4m in 2 (0.79%) stations.

Meghalaya

Fall in water level was observed in majority of the stations during January, 2018 as compared to August, 2017. Fall in the range of 0-2m was observed in 77.59% (45) of the GWMS, in the range of 2-4m in 13.79% (8) stations and beyond 4m in 13.79% (8) stations. Rise in water level was recorded only in 3.45% (2) of the GWMS in the range of 0-2 m.

Nagaland

Fall in water level was recorded in most of the stations during January, 2018 as compared to August, 2017. Fall in the range of 0-2m was recorded in 7.93%(11) stations, in the range of 2-4m in 13.79%(4) stations and beyond 4 m in 13.79% (4) stations. Rise was observed in 31.03%(9) of the GWMS in the range of 0-2 m and only in 1(3.45%) in the range of 2-4 m.

Tripura

By comparing the water level of January 2018 with August 2017 it was observed that in the state 68.42%(39) of the GWMS recorded fall in the range of 0-2 m, 12.28% (7) stations in the range of 2-4 m and 1(1.75%) station beyond 4 m. Rise was recorded in 15.79%(9) of the GWMS in the range of 0-2m and in 1(1.75%) station in the range of 2-4 m.

6.4.3 Water Level Fluctuation (January 2018 and November 2017) (Fig. 14 and Annexure XII)

Arunachal Pradesh

By comparing the water level of January 2018 with November 2017 it was observed that of all the monitored stations in the state 60%(15) of the GWMS showed fall in water level in the range of 0-2 m, 16% (4) stations in the range of 2-4 m, 8% (2) stations beyond 4 m. Rise was observed in 12%(3) stations in the range of 0-2 m and only in 1(4%) (1) station recorded rise in the range of 2-4 m.

Assam

By comparing the water level of January 2018 with November 2017 it was observed that of all the monitored stations in the state 75.88%(195) stations recorded fall in water level in the range of 0-2 m, 9.73% (25) stations in the range of 2-4 m and 1.95%(5) stations beyond 4m. Rise was observed in 9.73%(25) of the GWMS in the range of 0-2 m, in 1.95% (5) stations in the range of 2-4 m and in 0.78% (2) stations above 4 m.

Meghalaya

Comparison of water level of January 2018 with November 2017 indicated fall in water level during January, 2018 in majority of the stations. Fall was recorded in the range of 0-2m in 80%(48) of the GWMS, in 3.3% (2) stations in the range of 2-4 m and in 3.3% (2) stations beyond 4 m. Rise was recorded in 13.3%(8) of the GWMS in the range of 0-2 m.

Nagaland

Fall in water level during January, 2018 was recorded as comparison to November, 2017 in most of the stations. Fall was recorded in the range of 0-2m in 54.84%(17) of the GWMS, in 12.9%(4) stations in the range of 2-4 m and in 16.13%(5) stations beyond 4 m. Rise

was recorded in 12.9%(4) of the GWMS in the range of 0-2 m and only in 1(13.23%) station above 4m.

Tripura

By comparing the water level of January 2018 with November 2017 it was observed that of all the monitored stations in the state 89.09% (49) of the GWMS indicated fall in January, 2018 in the range of 0-2 m and in 1.82%(1) stations in the range of 2-4 m. Rise was observed in 7.27%(4) stations in the range of 0-2 m and only in 1(1.82%) station in the range of 2-4 m.

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

6.5.1 March 2017 and March 2016 (Fig. 15 and Annexure XIII)

Arunachal Pradesh

By comparing the water level of March 2017 with March 2016 it was observed that of all the monitored stations in the state 42.11% (8) of the GWMS indicated fall in the range of 0-2 m. About 57.89% (11) of the GWMS recorded rise in water level in the range of 0-2 m.

Assam

By comparing the water level of March 2017 with March 2016 it was observed that of all the monitored stations in the state 46.9%(121) of the GWMS recorded fall in water level between 0-2 m, 3.1% (8) stations in the range of 2-4 m and 0.78% (2) stations beyond 4 m. About 45.74% (118) of the GWMS recorded rise in water level in the range of 0-2 m, 3.1% (8) stations in the range of 2-4 m and only 1(0.39%) station above 4 m.

Meghalaya

Comparison of water level of March 2017 with that of March 2016 indicated that in the state 84.38% (27) of the GWMS recorded fall in water level in the range of 0-2m. About 12.5% (4) of the GWMS recorded rise in water level in the range of 0-2m and only 1(3.13%) station recorded rise in the range of 2-4m

Nagaland

By comparing the water level of March 2017 with March 2016 it was observed that of all the monitored stations in the state 23.1%(3) of the GWMS indicated fall in water level in the range of 0-2 m, 1(7.7%) station each in the range of 2-4m and beyond 4m. About 53.8%(7) of the GWMS recorded rise in water level in the range of 0-2 m and only 1(7.7%) station above 4m.

Tripura

Comparison of water level of March 2017 with that of March 2016 indicated that 50% (31) of the monitored GWMS of the state recorded fall in water level in the range of 0-2 m and 8.06% (5) stations in the range of 2-4 m. Rise was observed in 37.1% (23) stations in the range of 0-2 m, in 1 (1.61%) station in the range of 2-4 m and in 3.23% (2) stations above 4m.

6.5.2 August 2017 and August 2016 (Fig. 16 and Annexure XIV)

Arunachal Pradesh

Comparison of water levels of August 2017 and August 2016 indicated fall during August, 2017 in 26.32% (5) of the monitored GWMS of the state in the range of 0-2 m and in 5.26% (1) of the GWMS in the range of 2-4 m. Rise was recorded in 63.16% (12) of the GWMS in the range of 0-2 m and in 1 (5.26%) station in the range of 2-4 m.

Assam

By comparing the water level of August 2017 with August 2016 it was observed rise in water level during August, 2017 in 45.02% (104) of the GWMS in the range of 0-2 m and in 2.6% (6) stations in the range of 2-4 m. About 42.86% (99) of the GWMS recorded fall in water level in the range of 0-2m, 7.79% (18) stations in the range of 2-4 m and in 1.73% (4) GWMS above 4 m.

Meghalaya

Comparison of water levels of August 2017 and August 2016 indicated rise during August, 2017 in 84.78% (39) of the GWMS in the range of 0-2 m, in 6.52% (3) of the GWMS in the range of 2-4 m and only in 1 (2.17%) GWMS above 4m. Fall in water level was recorded in 6.52% (3) of the GWMS in the range of 0-2 m.

Nagaland

By comparing the water level of August 2017 with August 2016 it was observed that 31.03% (9) of the monitored GWMS of the state recorded rise in water level in the range of 0-2 m and 17.24% (5) of the GWMS above 4m. Fall was recorded in 51.72% (15) of the GWMS in the range of 0-2 m.

Tripura

By comparing the water level of August 2017 with August 2016 it was observed that of all the monitored stations in the state 86.67% (52) of the stations recorded rise in water level during August, 2017 in the range of 0-2 m and in 1 (1.67%) station each in the range of 2-4 m, and above 4 m. Fall in water level was recorded in 10% (6) station in the range of 0-2 m.

6.5.3 November 2017 and November 2016 (Fig. 17 and Annexure XV)

Arunachal Pradesh

By comparing the water level of November 2017 with November 2016 it was observed that of all the monitored stations in the state 26.09% (6) of the GWMS recorded fall in water level in the range of 0-2 m and 1 (4.35%) of the GWMS in the range of 2-4 m. Rise in water level was recorded in 60.87% (14) stations in the range of 0-2 m and in 8.7% (2) stations in the range of 2-4 m.

Assam

Comparison of water levels of November 2017 and November 2016 indicated rise in water level during November 2017 in 61.51% (163) of the GWMS in the range of 0-2 m, in 6.04% (16) stations in the range of 2-4 m and in 1.13% (3) stations above 4m. About 28.68% (76) of the GWMS recorded fall in water level in the range of 0-2 m, 1.89% (5) stations in the range of 2-4 m and 0.75% (2) stations beyond 4 m.

Meghalaya

By comparing the water level of November 2017 with November 2016 it was observed that of all the monitored stations in the state 69.57% (32) of the GWMS indicated rise in water level in the range of 0-2 m, 1 (2.17%) station in the range of 2-4 m. About 26.09% (12) of the GWMS recorded fall in water level in the range of 0-2 m and only 1 (2.17%) GWMS in the range of 2-4 m.

Tripura

Comparison of water levels of November 2017 and November 2016 indicated rise in water level during November 2017 in 71.93% (41) of the GWMS in the range of 0-2 m and in 3.51% (2) stations in the range of 2-4 m. About 22.81% (13) of the GWMS recorded fall in the range of 0-2 and only 1 (1.75%) of the GWMS in the range of 2-4m.

6.5.4 January 2018 and January 2017 (Fig. 18 and Annexure XVI)

Arunachal Pradesh

By comparing the water level of January 2018 with January 2017 it was observed that the majority of the monitoring stations in the state indicated rise in water level during January, 2018. About 60.87% (14) of the GWMS recorded rise in water level in the range of 0-2 m. Fall

was recorded in 30.43% (7) of the GWMS in the range of 0-2 m and in 8.7% (2) stations in the range of 2-4 m.

Assam

By comparing the water level of January 2018 with January 2017 it was observed fall in 23.55% (61) of the GWMS in the range of 0-2 m and in 2.7% (7) in the range of 2-4 m. Rise was observed in 64.48% (167) of the GWMS in the range of 0-2 m, in 7.72% (20) in the range of 2-4 m and in 1.54% (4) stations above 4 m.

Meghalaya

Comparison of water levels of January 2018 with January 2017 indicated fall in water level during January 2018 in 37.04% (20) of the GWMS in the range of 0-2 m, in 1.85% (1) stations in the range of 2-4 m and only in 1 (1.85%) station beyond 4 m. Rise was recorded in 59.26% (32) stations above 4m.

Nagaland

By comparing the water level of January 2018 with January 2017 it was observed rise in January 2018 in 67.7% GWMS of the state. Rise in the range of 0-2m was recorded in 25% (3) stations, in the range of 2-4m in 8.3% (1) stations and above 4m. Fall was observed in 33.3% (4) stations in the range of 0-2 m.

Tripura

By comparing the water level of January 2018 with January 2017 it was observed rise in January 2018 in majority of the monitored stations of the state. Rise in the range of 0-2m was recorded in 64.81% (35) stations and in the range of 2-4m in 7.41% (4) stations. Fall was recorded in 24.07% (13) stations in the range of 0-2 m and in 3.7% (2) stations in the range of 2-4 m.

6.6.1 August 2017 and Decadal Mean, August 2007-2016 (Fig. 19 and Annexure XVII)

Arunachal Pradesh

August 2017 water level has been compared with mean water level data of the same period of preceding 10 years. Rising trend was observed in 55.56% (5) GWMS in the range of 0-2 m. Declining trend was observed in 44.44% (4) GWMS in the range of 0-2 m. The maximum rising & falling water level trends are 1.23 m and 1.39 m respectively and had been recorded in Changlang and Lohit district.

Assam

Comparison of August 2017 water level with mean water level data of the same period of preceding 10 years indicate rising trend in 27.54% (38) GWMS in the range of 0-2 m and in 1.45% (2) GWMS in the range of 2-4 m. Falling trend was observed in 50.72% (70) GWMS in

the range of 0-2, in 16.67%(23) GWMS in the range of 2-4 m and in 3.62% (5) GWMS above 4m. The maximum rising water level of 2.27 m was recorded in Udalguri district. The maximum falling water level of 6.57 m had been recorded in Nagaon District.

Meghalaya

August 2017 water level has been compared with mean water level data of the same period of preceding 10 years. Rise in water level was observed in 55.56%(10) GWMS in the range of 0-2 m and only in 1(5.56%) station above 4 m. Decline in water level was recorded in 38.89%(7) GWMS in the range of 0-2 m. The maximum rising water level of 4.35 m was recorded in West Garo Hills District. The maximum falling water level of 1.38 m had been recorded in East Garo Hills District.

Nagaland

Comparison of August 2017 water level with mean water level data of the same period of preceding 10 years indicate rising in water level in 41.67%(5) GWMS in the range of 0-2 m and in 16.67%(2) GWMS above 4m. Fall in water level was recorded in 41.67%(5) GWMS in the range of 0-2 m. The maximum rising water level 6.43 m had been recorded in Dimapur district and the maximum falling water level of 1.33 m had been recorded in Wokha district.

Tripura

August 2017 water level has been compared with mean water level data of the same period of preceding 10 years and it was found rise in water level in 79.17% (19) GWMS in the range of 0-2 m and in 4.17%(1) GWMS in the range of 2-4 m. Fall in water level had been recorded in 12.5%(3) GWMS in the range of 0-2 m and only in 1(4.17%) GWMS in the range of 2-4 m. Both the maximum rising water level of 2.76 m and the maximum falling water level of 2 m had been recorded in West Tripura district.

6.6.2 November 2017 and Decadal Mean, November 2007-2016 (Fig. 20 and Annexure XVIII)

Arunachal Pradesh

Comparison of November 2017 water level with mean water level data of the same period of preceding 10 years indicate rise in water level during November, 2017 in 50%(5) GWMS in the range of 0-2 m and in 20%(2) GWMS in the range of 2-4 m. Declining trend was recorded in 30%(3) GWMS in the range of 0-2 m. The maximum rising water level of 2.66 m was recorded in Tirap district and the maximum falling water level of 0.73 m had been recorded in Changlang district.

Assam

November 2017 water level has been compared with mean water level data of the same period of preceding 10 years and it was observed rise in water level in 62.91% (95) GWMS in the range of 0-2 m and in 2.65% (4) GWMS in the range of 2-4 m. Fall in water level was recorded in 31.79% (48) GWMS in the range of 0-2 m, in 1.99% (3) GWMS in the range of 2-4 m and only in 1 (0.66%) GWMS beyond 4 m. Both the maximum rising water level of 3.56 m and the maximum falling water level of 8.96 m had been recorded in Karbi Anglong district.

Meghalaya

November 2017 water level has been compared with mean water level data of the same period of preceding 10 years and it was found that 52.63% (10) GWMS indicated rising trend in the range of 0-2 m and only 1 (5.26%) GWMS above 4 m. Falling trend was recorded in 42.11% (8) GWMS in the range of 0-2 m. Both the maximum rise of water level of 4.55 m and the maximum fall in water level of 1.22 m had been recorded in West Garo hills district.

Nagaland

Comparison of November 2017 water level with mean water level data of the same period of preceding 10 years indicate rise in water level in 66.67% (10) GWMS in the range of 0-2 m, in 1 (6.67%) GWMS in the range of 2-4 m and in 20% (3) GWMS above 4 m. Fall in water level was recorded only in one station in the range of 0-2 m. The maximum rise in water level of 4.94 m and fall in water level 0.51 m were recorded in Kohima and Dimapur district respectively.

Tripura

November 2017 water level has been compared with mean water level data of the same period of preceding 10 years and it was observed that 80.95% (17) GWMS indicated rise in water level in the range of 0-2 m and 9.52% (2) GWMS in the range of 2-4 m. Fall in water level had been recorded in 9.52% (2) GWMS in the range of 0-2 m. The maximum rise in water level of 2.07 m and maximum fall in water level of 0.43 m were recorded in Unakoti and Sipahi-Jala district respectively.

6.6.3 January 2018 and Decadal Mean ,Jan 2008-2017 (Fig.21 and Annexure XIX)

Arunachal Pradesh

January 2018 water level has been compared with mean water level data of the same period of preceding 10 years. It was observed that 40% (4) GWMS indicated rise in water level in the range of 0-2 m. Fall in water level had been recorded in 50% (5) GWMS in the range of 0-2 m and only in 1 (10%) GWMS in the range of 2-4 m. The maximum rise in water level of 1.49 m and maximum fall in water level of 2.78 m had been recorded in Changlang and Tirap districts respectively.

Assam

Comparison of January 2018 water level with mean water level data of the same period of preceding 10 years indicate rise in 55.1% (81) GWMS in the range of 0-2m, in 4.08% (6) GWMS in the range of 2-4m and only in 1 (0.68%) GWMS above 4m. Declining water level was observed in 37.41% (55) GWMS in the range of 0-2m and in 2.72% (4) GWMS in the range of 2-4m. The maximum rise in water level of 6.74m and the maximum fall in water level of 3.88m had been recorded in Cachar and Sonitpur district respectively.

Meghalaya

Comparing January 2018 water level with mean water level data of the same period of preceding 10 years it was found that 31.58% (6) GWMS indicated rise in the range of 0-2m, and 10.53% (2) GWMS in the range of 2-4m. Fall in water level was observed in 52.63% (10) GWMS in the range of 0-2m and in 1 (5.26%) GWMS above 4m. The maximum rise in water level of 3.76 m and the maximum fall in water level of 4.48m had been recorded in West Garo Hills and East Khasi Hills district respectively.

Nagaland

Comparison of January 2018 water level with mean water level data of the same period of preceding 10 years indicated rise in 28.57% (4) GWMS in the range of 0-2m, 21.43% (3) GWMS in the range of 2-4m and in 14.29% (2) GWMS above 4m. Fall in water level was observed in 28.57% (4) GWMS in the range of 0-2m and in 1 (7.14%) GWMS in the range of 2-4m.

Tripura

January 2018 water level has been compared with mean water level data of the same period of preceding 10 years and it was observed that 86.36% (19) GWMS indicated rise in the range of 0-2m and 9.09% (2) GWMS in the range of 2-4m. Fall was recorded in only 1 (4.55%) GWMS. The maximum rise of 2.61m and the maximum fall of 1.08m were recorded in Unakoti and West Tripura district respectively.

6.7 Ground Water Level Trend (2008-2017) Pre Monsoon

The historical water level data of GWMS, has been analysed for calculating long term water level trends (for the period 2008-2017) for pre monsoon period separately. A total number of 399 stations have been analysed for pre-monsoon water level trends. The frequency of stations showing rising or falling trends of water levels during pre-monsoon period is given in Annexure-XX. State wise analysis is given below.

6.7.1 Arunachal Pradesh

Water level data of 18 stations have been analysed for pre-monsoon water level trends. Out of these, 10 stations show rising trend ranging from 0.011 to 0.369m/year whereas, 8 stations show falling trend ranging from 0.003 to 0.195m/year. The maximum fall is observed in Changlang district. The declining water level trend has been observed, but is not significant.

6.7.2 Assam

Water level data of 290 stations have been analysed for pre-monsoon water level trends. Out of these, 135 stations show rising trend ranging from 0.001 to 0.949m/year and 155 stations show declining trend ranging from 0.001 to 1.911 m/year. Both rising and falling trends of water level have been observed all over the state. Rising trend has been observed in 135(46.5 %) stations and falling trend in 155(53.5%) stations during pre-monsoon period.

The rising trend above 0.20m/year was observed in 41 stations in the State. The fall of more than 0.20 m/yr has been observed in 46 stations. The maximum falling trend has been found as 1.919m/yr in Karbi Anglong district. A general decline in water levels has been observed in the pre monsoon period.

6.7.3 Meghalaya

Data of 34 stations have been analysed for pre-monsoon water level trends. Out of these, 12 stations show rising trend ranging from 0.002 to 0.372m/year and 22 stations show declining water level trend ranging from 0.013 to 1.386m/year. Most of the rising and declining trends have been restricted below 0.1m/year.

6.7.4 Nagaland

Data of 15 stations have been analysed for pre-monsoon water level trends. Out of these, 3 stations show rising trend ranging from 0.044 to 1.518m/year whereas, 12 stations show falling water level trend ranging from 0.058 to 2.667m/year. The maximum fall is observed in Dimapur district. The declining water level trend has been observed at some places, but is not significant.

6.7.5 Tripura

Analysis for ground water level trend of Tripura State has been done for 42 stations for pre-monsoon period. Out of these, 24 stations show rising trend and 18 stations show declining trend. The rising trend ranged from 0.004 to 0.374 m/year and the declining trend was observed in

the range of 0.001 to 0.443m/year. Maximum decline and maximum rise of 0.443m/year and 0.374m/year have been observed in West Tripura and South Tripura district respectively.

6.8 Ground Water Level Trend (2008-2017) Post Monsoon

The historical water level data of GWMS, have been analysed for calculating long term water level trends (for the period 2008-2017) for post monsoon period separately. A total number of 370 stations have been analysed for post-monsoon water level trends. The frequency of stations showing rising or falling trends of water levels during post-monsoon period is given in Annexure-XXI. State wise analysis is given below.

6.8.1 Arunachal Pradesh

Data of 18 stations have been analysed for post-monsoon water level trends. Out of these, 11 stations show rising trend ranging from 0.029 to 0.24m/year whereas, 7 stations show falling trend ranging from 0.01 to 0.34m/year. The maximum fall has been observed in Papumpare district. The declining water level trend has been observed at 7 places, but is not significant.

6.8.2 Assam

Data of 259 stations have been analysed for post-monsoon water level trend. Out of these, 155 stations show rising trend ranging from 0.001 to 0.704m/year and 104 stations show falling trend ranging from 0.002 to 0.84 m/year. Both rising and falling trends have been observed all over the State. Rise has been observed in 155(59.8%) stations and fall in 104 (40.2%) stations during post-monsoon period.

The rising trend above 0.20 m/year has been observed in 35 stations in the State. The fall of more than 0.20 m/yr has been observed in 20 stations. The maximum falling trend has been found as 0.801m/year in Nagaon district. A general decline in water level has been observed in the post monsoon period.

6.8.3 Meghalaya

Water level data of 28 stations are analysed for post-monsoon water level trends. Out of these, 16 stations show rising trend ranging from 0.008 to 0.461m/year and 12 stations show declining trend ranging from 0.019 to 0.287m/year. Most of the rising and declining trends have been restricted below 0.2m/year. Both the maximum rising and declining trends have been observed in South West Garo Hills district.

6.8.4 Nagaland

Data of 18 stations have been analysed for post-monsoon water level trends. Out of these, 15 stations show rising trends ranging from 0.027 to 1.909m/year and in 3 stations falling water level trend ranging from 0.119 to 1.737m/year has been observed. The maximum fall is observed in Dimapur district. The declining water level trend has been observed at places, but is not significant.

6.8.5 Tripura

Data of 47 stations have been analyzed for post-monsoon water level trends for the state of Tripura. Out of these, 39 stations show rising trend and 8 stations declining trend. The rising trend ranged from 0.003 to 0.78 m/year and the declining trend in the range of 0.016 to 0.281m/year. Maximum decline and maximum rise of 0.281m/year and 0.78m/year have been observed in West Tripura and North Tripura district respectively. Most of the rise and decline have been recorded below 0.2m/year.

6.9 Area under water logged and prone to water logging conditions (Fig.22 and Fig.23)

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 29.79%(129)stations during premonsoon and in 69.9% (325) stations during post-monsoon period. Shallow water level conditions have occurred 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. 22 and 23) for both pre- and post-monsoon periods based on water level ranges of 0-2.0mbgl and 2.0-3.0mbgl respectively.

Water Logged Area and Area prone to water logging condition:

Water logged area is demarcated based on the water levels within 2.0 mbgl. Prone to water logging areas are demarcated with water level of 2-3mbgl. During pre-monsoon period (March 2017), 14.3 % (62) stations show water logging condition, whereas 15.5% (67) stations show prone to water logging condition. During post monsoon period (November 2017) 42.8%(199) stations show water logging condition and 28.2% (131)stations show prone to water logging condition. During Pre-monsoon period water logged and prone to water logging areas have been observed in Darrang, Dhemaji, Kamrup, Goalpara, Jorhat, Lakhimpur, Nalbari, Morigaon, Nagaon, Sibsagar, Sonitpur, Cachar, Karimganj and Tinsukia district in Assam and

Dhalai, North Tripura and Gomati district in Tripura. Water logged and prone to water logging areas has been observed in pockets in Arunachal Pradesh and Meghalaya.

During post-monsoon period (November, 2017), in major parts of Barpeta, Bongaigaon, Cachar, Darrang, Dhemaji, Goalpara, Hailakandi, Jorhat, Kamrup, Karimganj, Nagaon, Morigaon, Nalbari, Lakhimpur, Sonitpur and Tinsukia district and in parts of Dhubri, Dibrugarh, Karbi Anglong and Sibsagar district in Assam and in Dhalai and in parts of South Tripura, North Tripura and West Tripura district in Tripura water logged and prone to water logging conditions have been observed. In Meghalaya, in East Garo Hills, East Khasi Hills, West Garo Hills and in parts of Jaintia Hills and Ri-Bhoi district shallow water level has been observed. Out of 465 analysed stations, water level in the range 0-2 mbgl was recorded in 199 (42.8%) stations and in the range of 2-3 mbgl in 131 (28.2%) stations. Remaining 135 (29%) stations, most of which are located near inselbergs or in hard rock areas show water levels above 3 mbgl.

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 22 and 23). Water logging condition during pre-monsoon period in major parts of Barpeta, Bongaigaon, Dhubri, Golaghat, Jorhat, Karbi Anglong, Sibsagar and Tinsukia district has 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) every year. Water quality standards for drinking use and the overall chemical quality of ground water of North Eastern region for the year 2017-2018 are shown in **Annexure– XXII, XXIII and XXIV**.

The chemical constituents analyzed were compared with the standard values given by BIS (IS 10500:2012). The minimum and maximum values of 17 basic constituents of ground water in North Eastern region for pre-monsoon period (March, 2017) and post monsoon period are presented in **Table 5 and Table 6** respectively.

During pre-monsoon period pH value below acceptable limit was observed in certain parts of Assam, Meghalaya, Tripura and Nagaland. Similarly, ground water with pH beyond permissible range was found in Assam and Meghalaya. In case of Total Dissolved Solids, the level of TDS in entire North Eastern Region was within permissible limit. Chloride content in all the states were found within safe range (250 mg/L). Fluoride contamination of Ground water was found to some extent in Assam (3.27 mg/L) and Meghalaya (3.2mg/L) and Nagaland (2.3 mg/L). Other chemical constituents in the entire region was found within permissible limit of BIS (2012), except Iron. Occurrence of high iron content (>1mg/L) was found in major part of the Brahmaputra valley in Assam and sporadically in Meghalaya, Nagaland and Tripura. Maximum concentration of iron (14.04mg/L) was detected at Sadial Kachari Gaon of Jorhat District, Assam. However, the overall ground water qualities for other constituents in all the states were found within range for drinking purpose.

During post monsoon period(November, 2017), concentration of all the basic chemical constituents except iron were found within permissible limit in the entire region. High content of iron was detected in Assam, Meghalaya, Arunachal Pradesh and Tripura. The maximum concentration of iron(8.28mg/L)was detected in Papum Pare district of Arunachal Pradesh.

The Trace metal constituents were analyzed and compared (Table 7)with the standard values given by BIS (IS 10500:2012). Arsenic and Chromiumcontent below the acceptable limit have been detected in the entire north-eastern states. In Arunachal Pradesh,copper concentrationwas detected in pockets marginally above the acceptable limit of 50 g/L. Manganese and Zinc content were found well within permissible limit.

Table – 5 Chemical qualities of ground water samples of NE-region (Pre-Monsoon, 2017) showing the maximum and minimum values vis-à-vis drinking water standards (IS 10500:2012)

S.No.	1		2		4		6		7		IS 10500:2012	
State	Arunachal Pradesh		Assam		Meghalaya		Nagaland		Tripura		Acceptable limit)	Permissible limit*
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max		
pH	6.97	8.35	4.53	10.74	5.25	8.64	5.76	8.30	6.23	8.52	6.5-8.5	6.5-8.5
Turbidity, NTU	0.10	0.80	0.10	4.20	0.10	1.00	1.8	2.3	0.10	0.60	1	5
EC ($\mu\text{s/cm}$) 25°C	33.59	476.60	29.44	1779.0	12.55	528.60	212.3	765.9	55.03	899.1	-	-
TDS	22.17	314.56	19.43	926.7	8.28	348.88	110.3	395.9	36.32	593.41	500	2000
CO ₃ ⁻²	10	30	8	110	10	40	10	20	10	40	-	-
HCO ₃ ⁻¹	15	115	10	550	10	220	15	205	5	220	-	-
CaCO ₃	15	145	10	590	10	250	15	215	5	250	200	600
Chloride	7.09	39	3.4	333.23	3.55	56.72	10.63	148.9	7.09	152.44	250	1000
Sulphate	0.30	74.92	0.16	88.51	1.05	44.22	1.94	9.48	2.15	55	200	400
Nitrate	0.10	13.5	0.10	23.30	0.2	17.5	0.80	10.3	0.10	11.19	45	45
Fluoride	0.06	0.22	0.01	3.27	0.03	3.20	0.03	2.3	0.02	0.81	1	1.5
Calcium	4	26	2.00	98.00	2	70	4	38	2	44	75	200
Magnesium	2.43	20.63	1.21	81.31	1.21	23.06	3.64	14.56	1.21	29.13	30	100
Total Hardness (as CaCO ₃)	30	145	20.00	465.00	10	180	45	145	10	160	200	600
Sodium	1.24	20.77	0.85	211.9	0.88	51.14	2.29	60.26	0.03	96.66	-	-
Potassium	0.46	12.21	0.59	91.5	0.12	45.1	0.93	38.73	0.05	70.73	-	-
Iron	0.01	8.45	0.02	14.04	0.01	1.49	0.06	4.91	0.02	7.68	0.3	0.3

Table – 6 Chemical qualities of ground water samples of NE-region (Post Monsoon, 2017) showing the maximum and minimum values vis-à-vis drinking water standards (IS 10500:2012)

S.No.	1		2		4		6		7		IS 10500:2012	
State	Arunachal Pradesh		Assam		Meghalaya		Nagaland		Tripura		Acceptable limit	Permissible limit*
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max		
pH	6.46	7.59	6.09	8.21	5.14	7.44	6.68	8.21	6.44	8.29	6.5-8.5	6.5-8.5
Turbidity, NTU	0.10	0.40	0.1	0.9	0.1	0.6	0.10	0.50	0.10	0.60	1	5
EC ($\mu\text{s}/\text{cm}$) 25°C	42.0	651.9	63	1273	11.5	489.3	123.1	949.8	78.51	710.7	-	-
TDS	27.72	430.25	41.58	840.18	7.59	322.94	81.25	626.9	51.82	469.06	500	2000
CO ₃ ⁻²	0	0	0	0	0	0	0	0	0	0	-	-
HCO ₃ ⁻¹	15	130	5	475	10	105	15	575	10	135	-	-
CaCO ₃	15	130	5	475	10	105	15	575	10	135	200	600
Chloride	7.09	124.08	7.09	198.52	3.55	63.81	21.27	184.4	7.09	131.17	250	1000
Sulphate	1.49	69.8	1.49	82.12	1.25	81.7	1.84	79.93	2.01	76.1	200	400
Nitrate	1.3	4.3	0.15	19.23	0.5	29.3	0.90	11.87	0.45	11.13	45	45
Fluoride	0.04	0.33	0.04	3.15	0.02	0.4	0.21	0.91	0.06	0.93	1	1.5
Calcium	3.4	74.86	5.1	163.33	1.7	57.85	8.51	90.17	4	62	75	200
Magnesium	1.03	24.78	1.03	197.18	2.06	24.78	7.23	124.9	1.21	21.84	30	100
Total Hardness (as CaCO ₃)	25.52	289.23	29.77	1139.91	17.01	216.92	63.8	727.3	25	210	200	600
Sodium	2.89	98.45	0.49	183.8	0.91	28.22	1.84	239.0	5.95	88.84	-	-
Potassium	0.72	15.17	0.24	38.23	0.49	14.39	1.36	32.93	1.08	59.95	-	-
Iron	0.01	8.48	0.01	4.95	0.01	1.33	0.02	0.47	0.05	1.7	0.3	0.3

Table – 7 Chemical qualities of ground water samples of NE-region (2017) showing the maximum and minimum values of Trace metals vis-à-vis drinking water standards (IS 10500:2012)

State	Arunachal Pradesh		Assam		Meghalaya		Acceptable limit	Permissible limit*
	Min	Max	Min	Max	Min	Max		
	Concentration ($\mu\text{g/L}$)							
As	0.5	8.5	1.50	7.50	0.357	8.571	10	-
Cu	2.865	59.62 2	1.784	281	1.514	21.179	50	1500
Mn	25	235	10	288	28	175	100	300
Zn	20	739	14	5442	4	1664	5000	15000
Cr	0.5	8.5	1.50	7.50	0.357	8.571	10	-

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, 678 stations are being monitored of which 449 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, 2017-18, the general depth to water level scenario in the region in March, 2017, depicts water level within 5.0 mbgl, in 70.4%, i.e. 305 stations show a depth range of 0 to 5 mbgl, out of which about 14.3% of the stations indicated water level within 2 mbgl and 56.1% stations between 2 and 5 mbgl. 112 (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 13(3%) stations in East Siang, Papumpare districts of Arunachal Pradesh, Dhubri and Karbi Anglong, Nagaon districts of Assam and piezometers of Dimapur, wokha districts of Nagaland and Gomti ,West Tripura districts of Tripura. Also 3 (0.7 %) of GWMS ie.piezometers of West Tripura and Nagaland shows water level at depths beyond 20m have been observed.

The water level during post-monsoon period (November 2017) mostly ranges between 0 and 5 mbgl. Water level within 5 mbgl has been recorded in 421 (90.5%) stations, out of which, 199(42.8%) stations recorded water level within 2 mbgl and 222 (47.7%) stations record water levels from 2 to 5 mbgl. 31 (6.7%) stations recorded water level in the range of 5 to 10 mbgl and 8 (1.7%) stations show water levels in the range of 10 to 20mbgl. 5 (1.1%) piezometers in Nagaland and Tripura shows water level beyond 20mbgl.

During post-monsoon as compared to that of pre-monsoon rise in water level within 4 m is recorded in 348 (87.2%) stations. Rise is recorded within 2 m in 232 (58.1%) stations and in the range of 2 to 4m in 116(29.1%) stations. 25 (6.3%) stations shows more than 4mbgl rise in water level. 26 (6.6%) stations shows fall in water level. out of that 22 (5.5%) stations shows 0 to 2 mbgl fall in, 3 (0.8%) stations shows 2-4 mbgl fall in and more than 4mbgl fall is observed in 1(0.3%) stations. 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 2017.

Water level monitored during November 2017 has been compared with mean water level data of preceding 10 years. The compared result indicates, in general, a rise in 150 (69.5%) stations and fall in 66 (30.5%) monitored stations. Rise within 2 m have been observed in 137(63.4%) stations and in the range of 2 to 4m in 9 (4.2%) stations respectively and beyond 4 m rise in 4(1.9%) stations. Fall in water level with respect to decadal mean have been observed within 2m in 62(28.7%) stations in the range of 2m to 4m in 3(1.4%) stations and beyond 4 m fall in 1 (0.5%) stations

5. Water levels of post-monsoon for last 10 years were taken for trend analysis. A total number of 370 stations were analysed. During post monsoon period 105 stations show a declining water level trend mostly within 0.19m/year. Only 29 stations showed decline above 0.2m/year. Significant decline is not observed anywhere in the region. The rise is observed in 183 stations ranging mostly from 0.19m/year. 53 stations indicated rise above 0.2m/year.
6. Water levels of pre-monsoon for last 10 years were taken for trend analysis. A total number of 399 stations were analysed. During pre-monsoon period 146 stations show a declining water level trend mostly within 0.19m/year. Only 69 stations showed decline above 0.2m/year. Significant decline is not observed anywhere in the region. The rise is observed in 134 stations ranging mostly within 0.19m/year and 50 stations indicated rise above 0.2m/year.
7. 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.

8. 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.

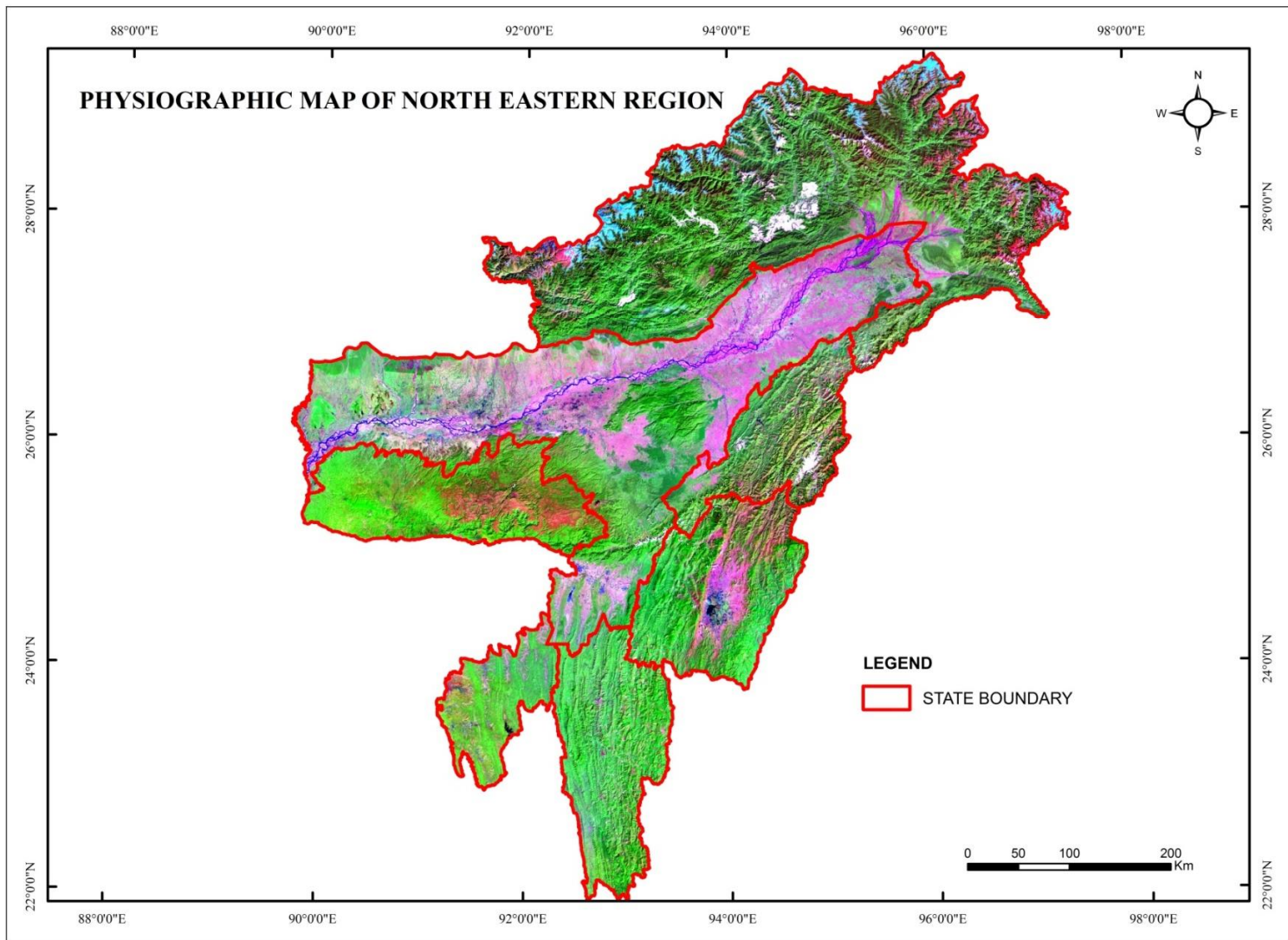


Fig.1 Physiographic Map of North Eastern Region

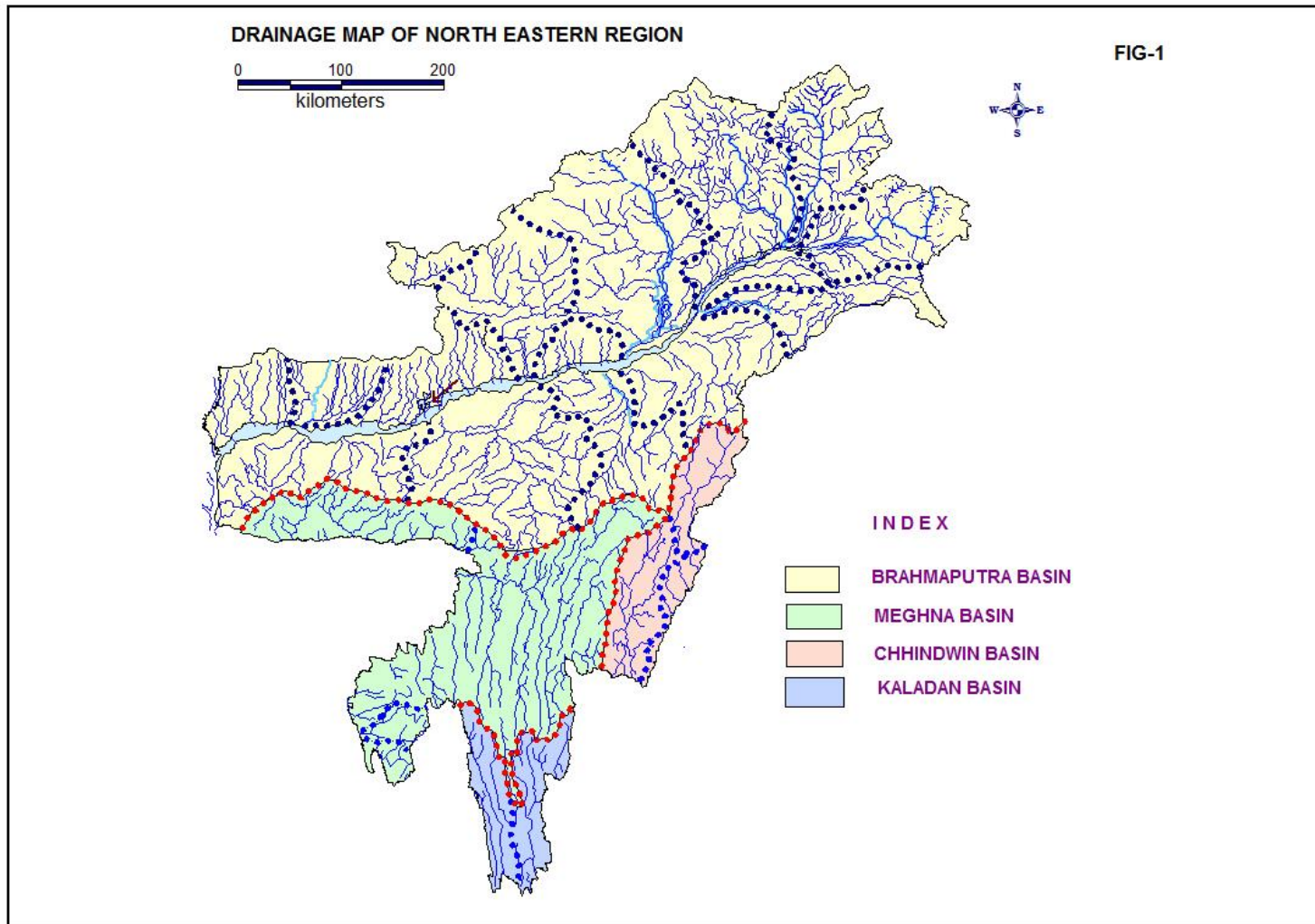


Fig.2 Drainage Map of North Eastern Region

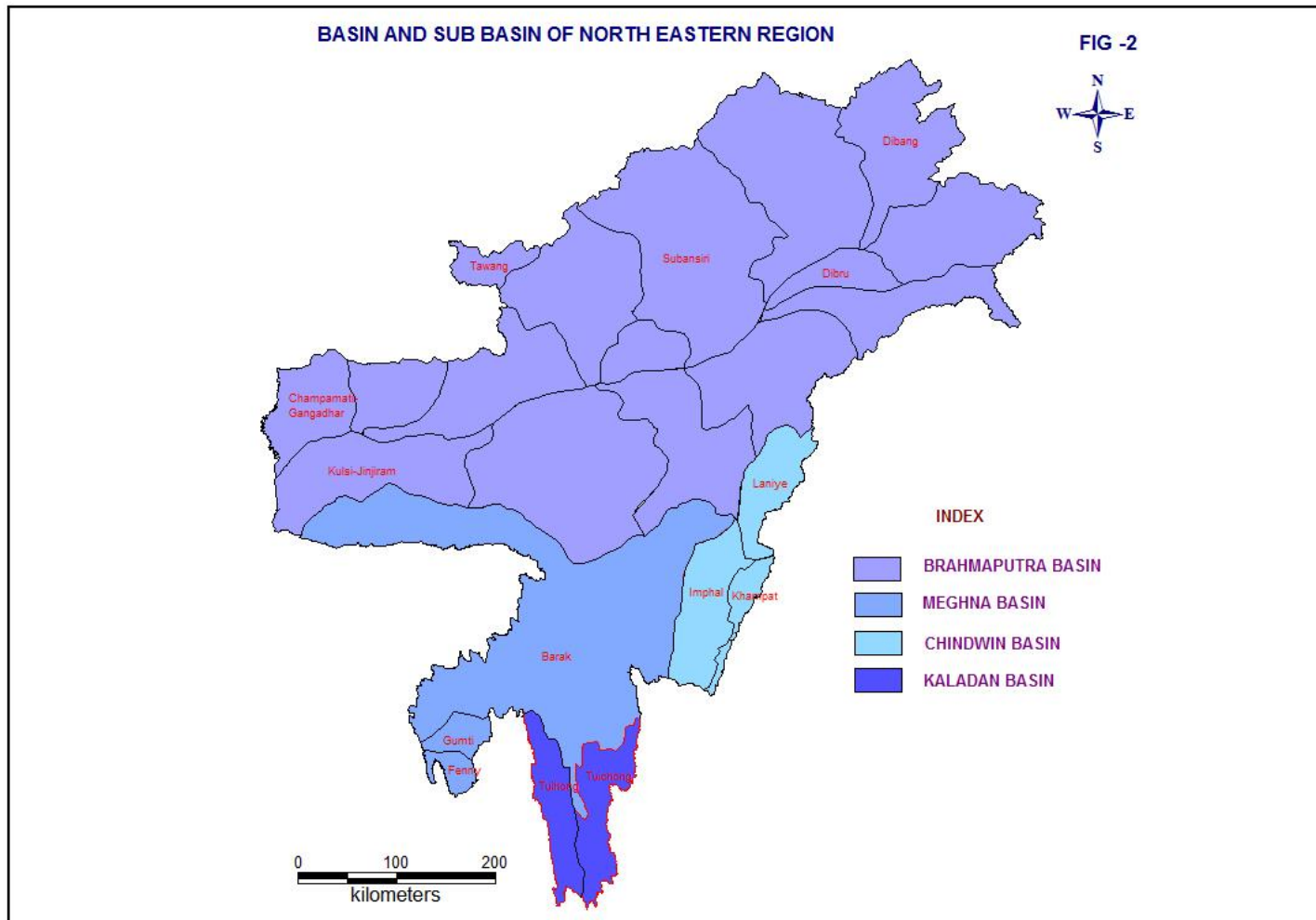


Fig.3 Basin & Sub-basin Map of North Eastern Region

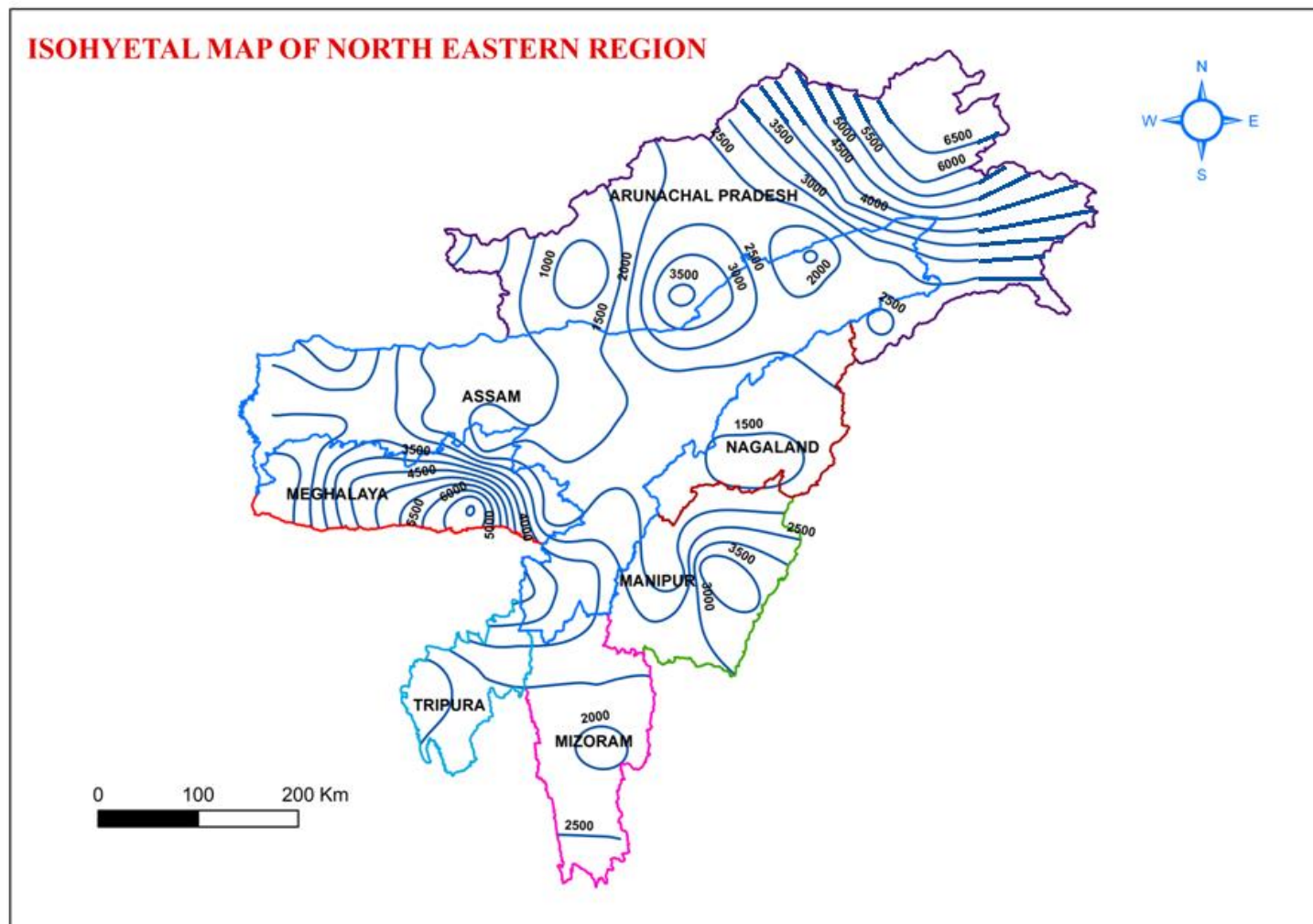


Fig.4 Isohyet (Rainfall Distribution) Map of North Eastern

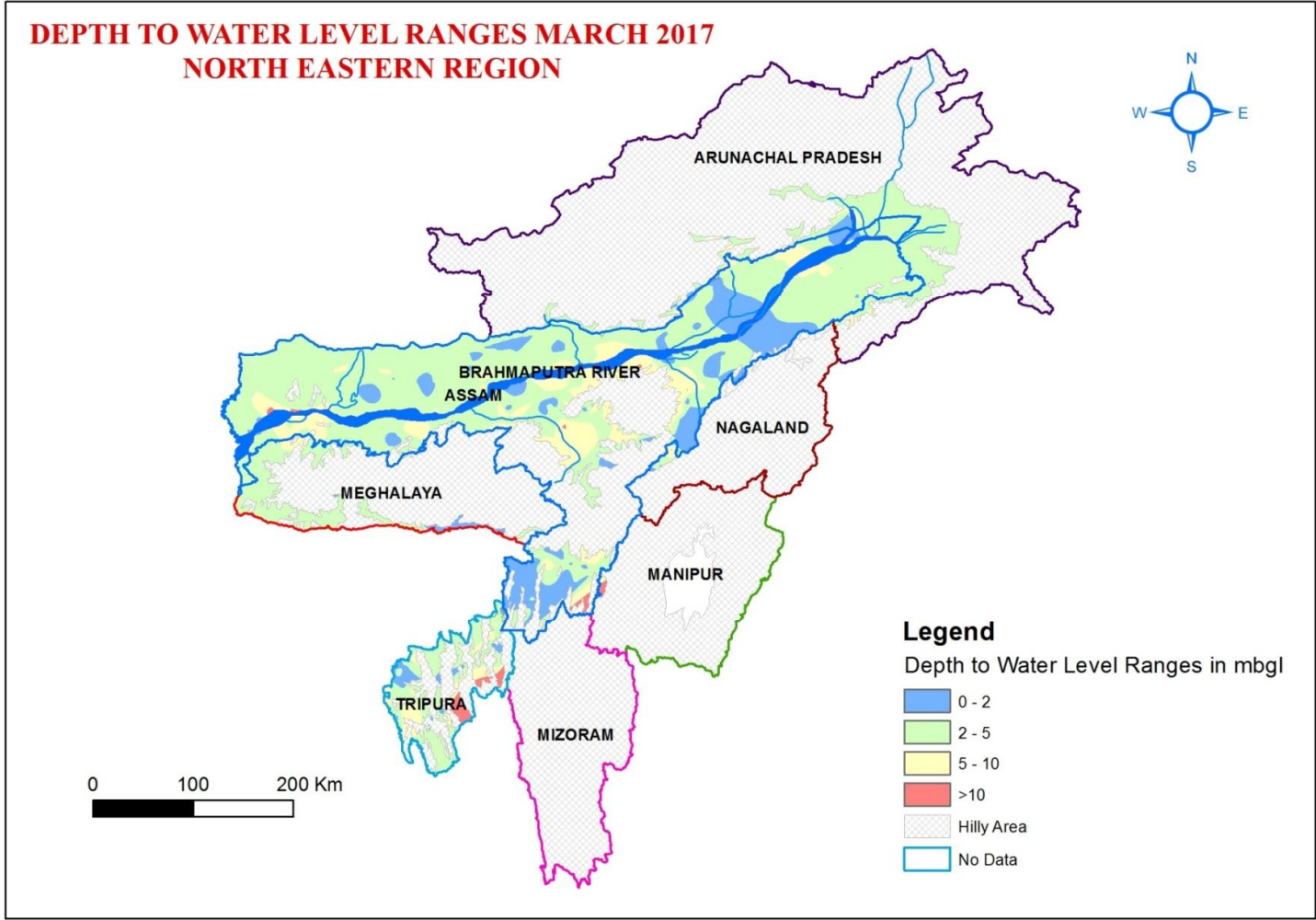


Fig.5 Depth to Water Level, March 2017 Map of North Eastern Region

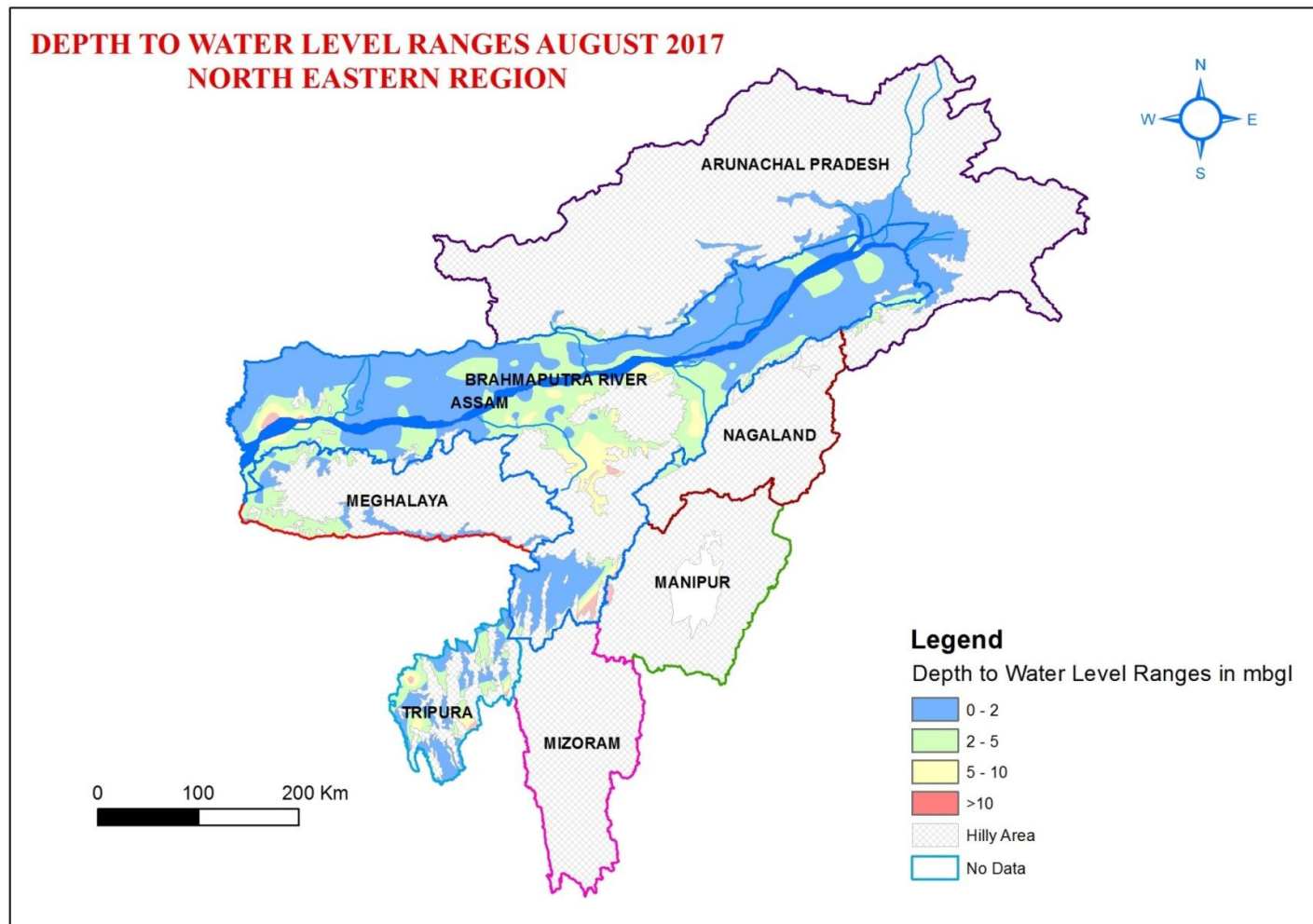


Fig.6 Depth to Water Level, August 2017 Map of North Eastern Region

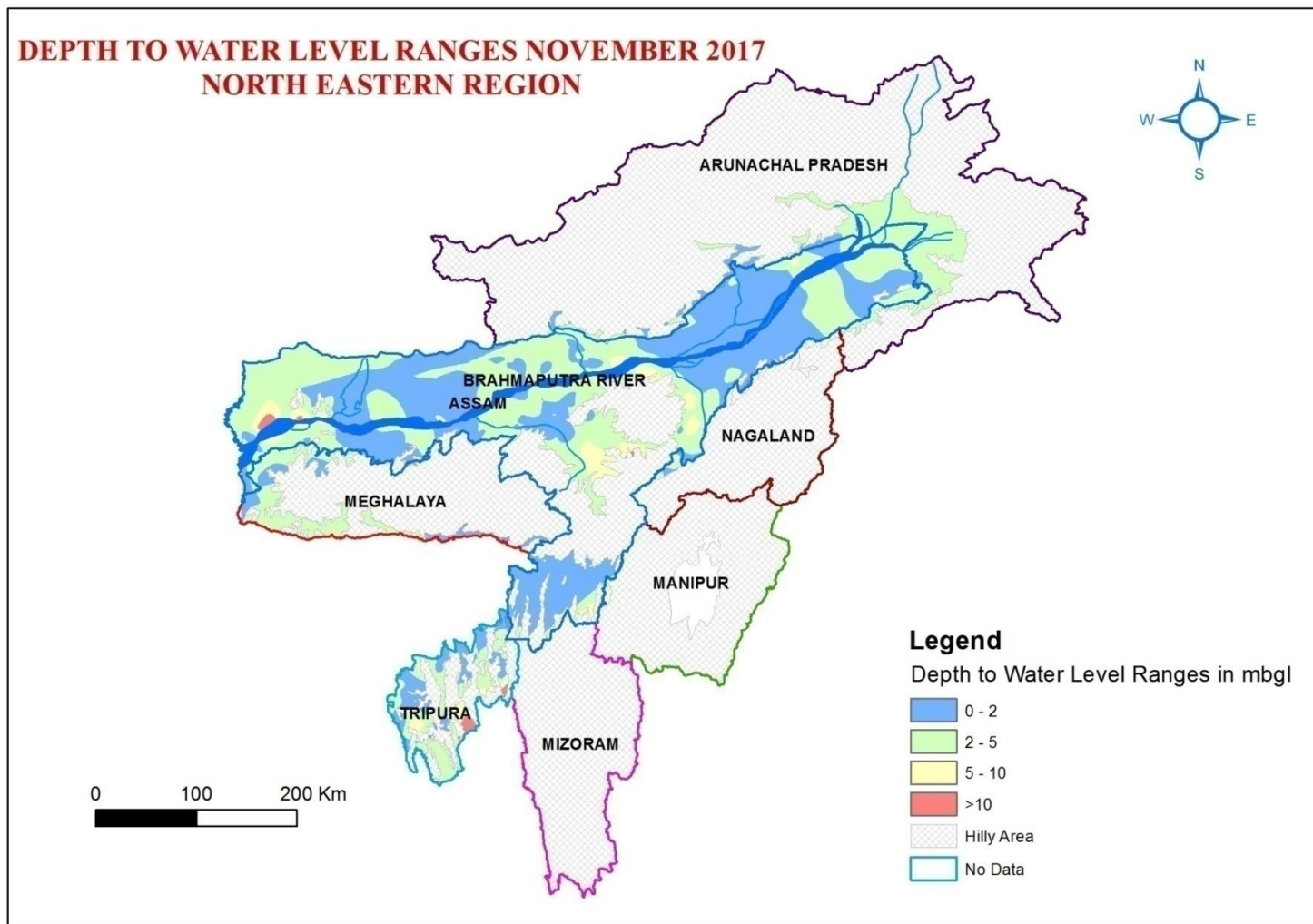


Fig.7 Depth to Water Level, November 2017 Map of North Eastern Region

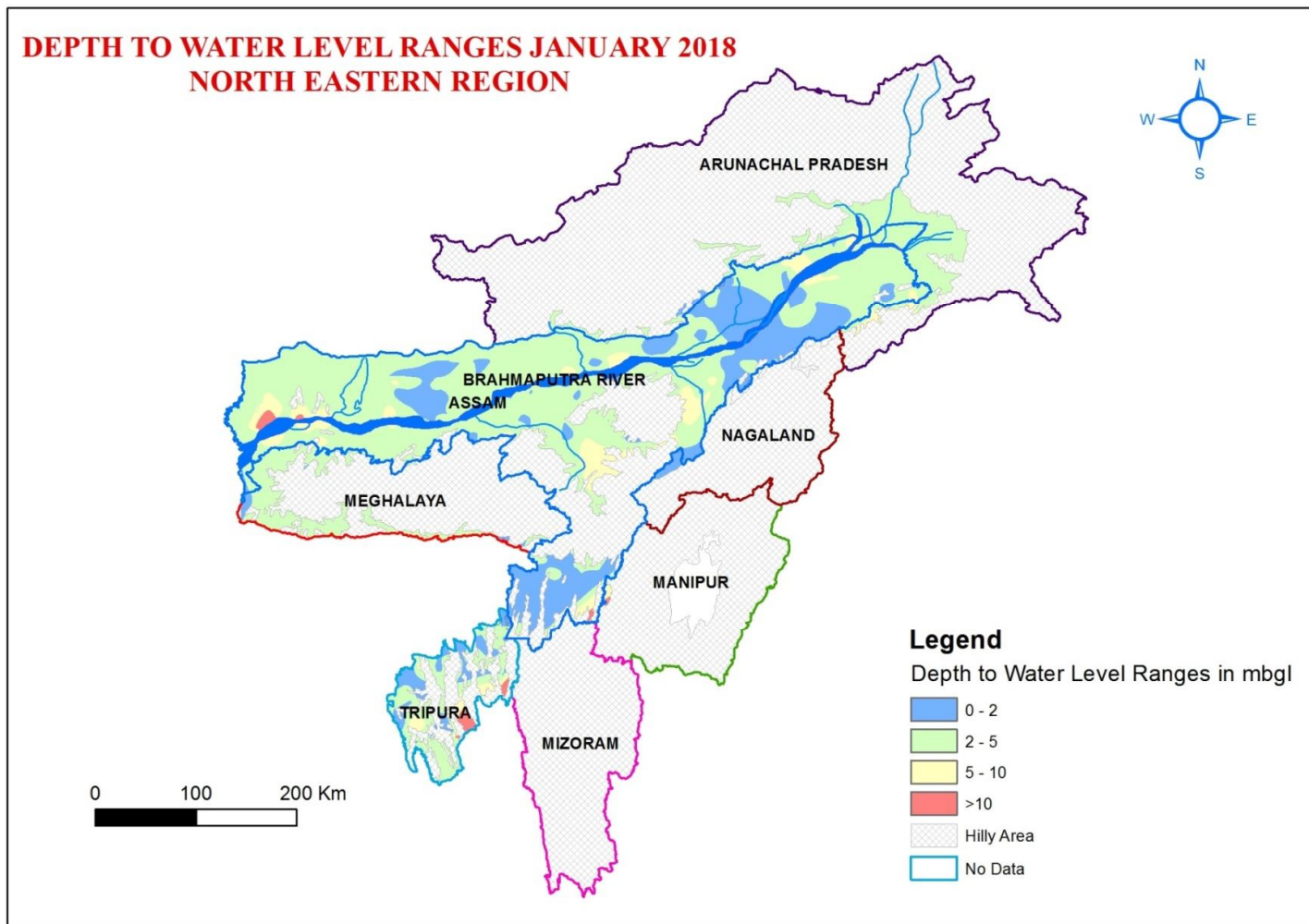


Fig.8 Depth to Water Level, January 2018 Map of North Easter Region

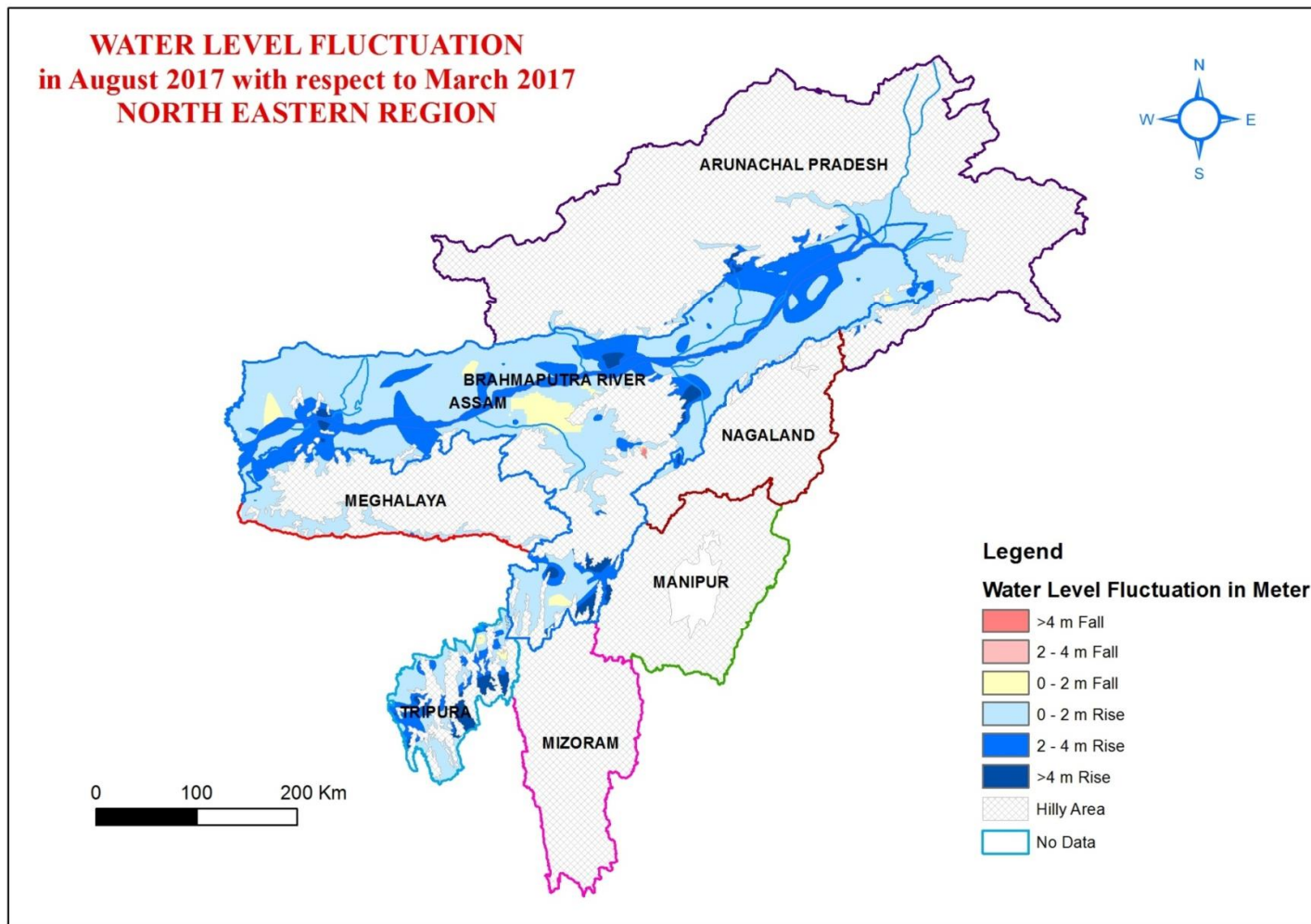


Fig.9 Water Level Fluctuation in August 2017 with respect to March 2017

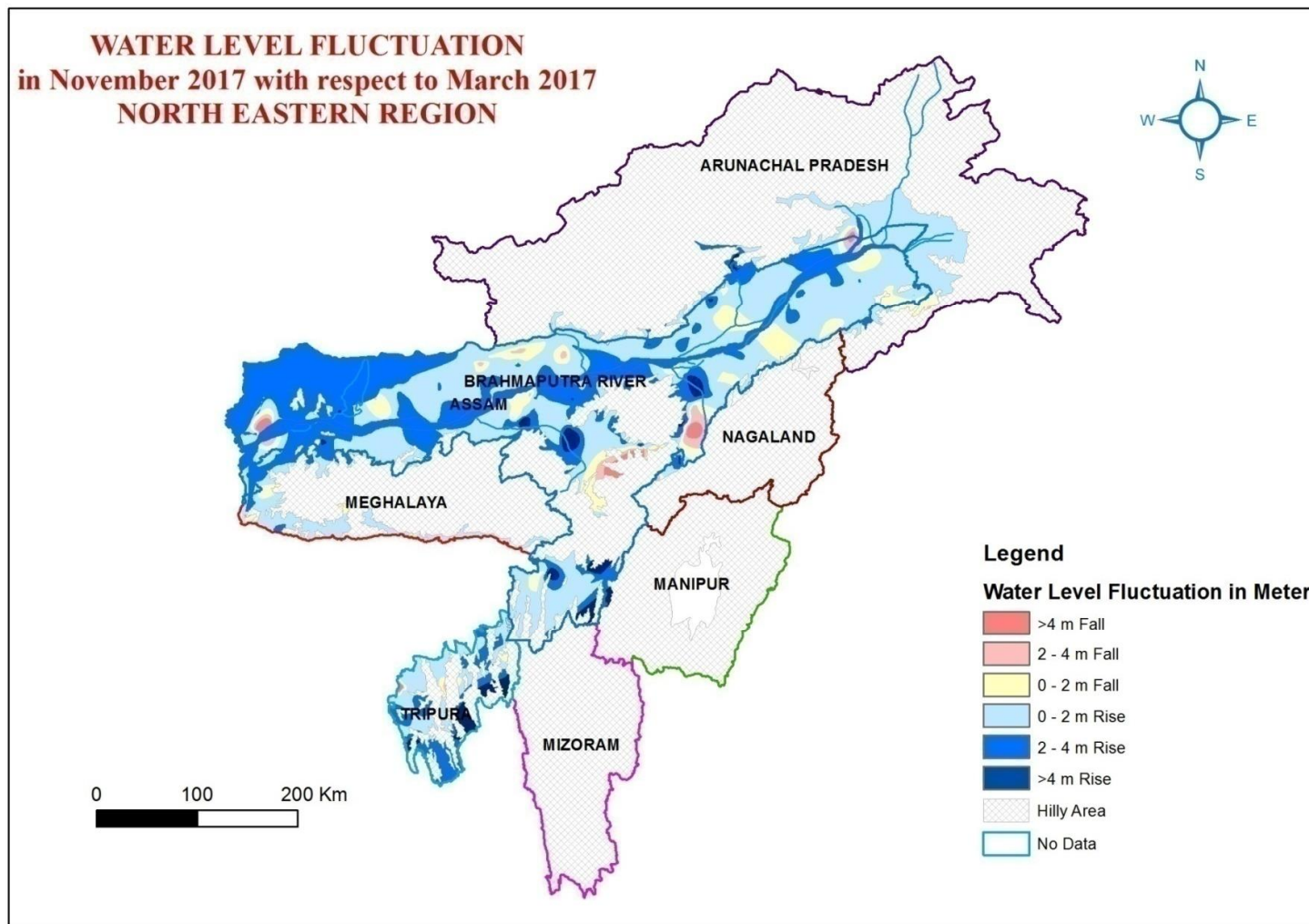


Fig.10 Water Level Fluctuation in November 2017 with respect to March 2017

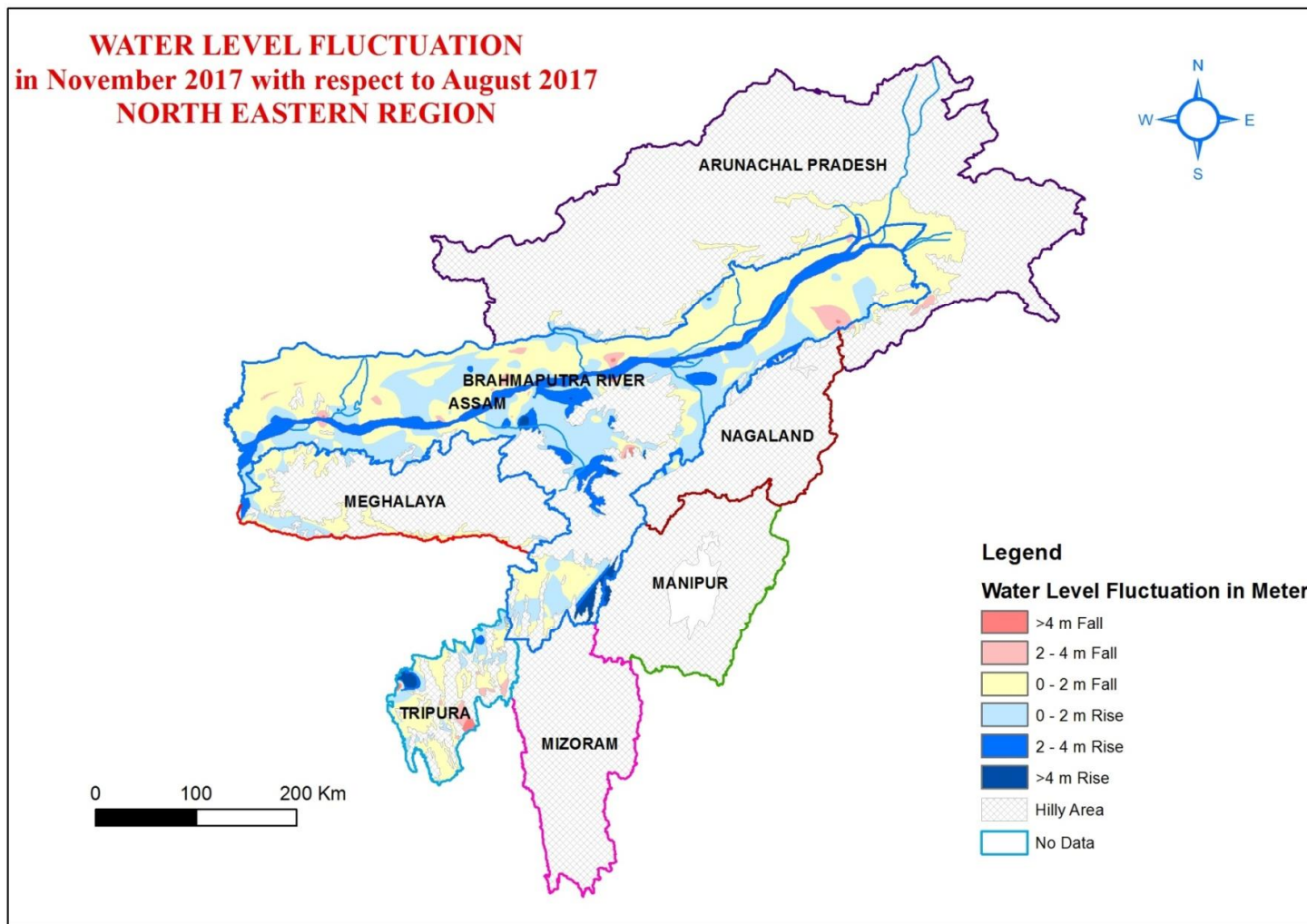


Fig.11 Water Level Fluctuation in November 2017 with respect to August 2017

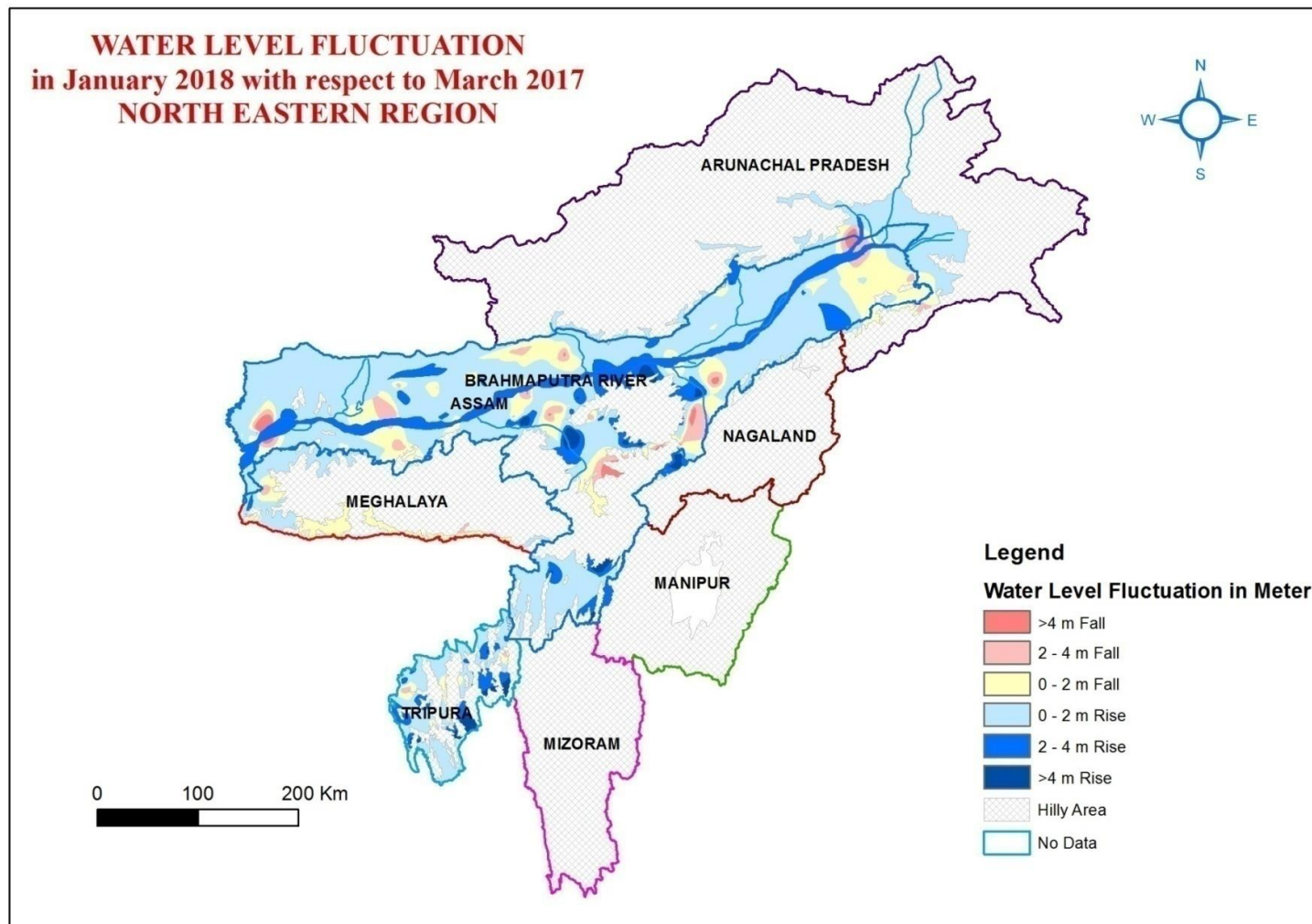


Fig.12 Water Level Fluctuation in January 2018 with respect to March 2017

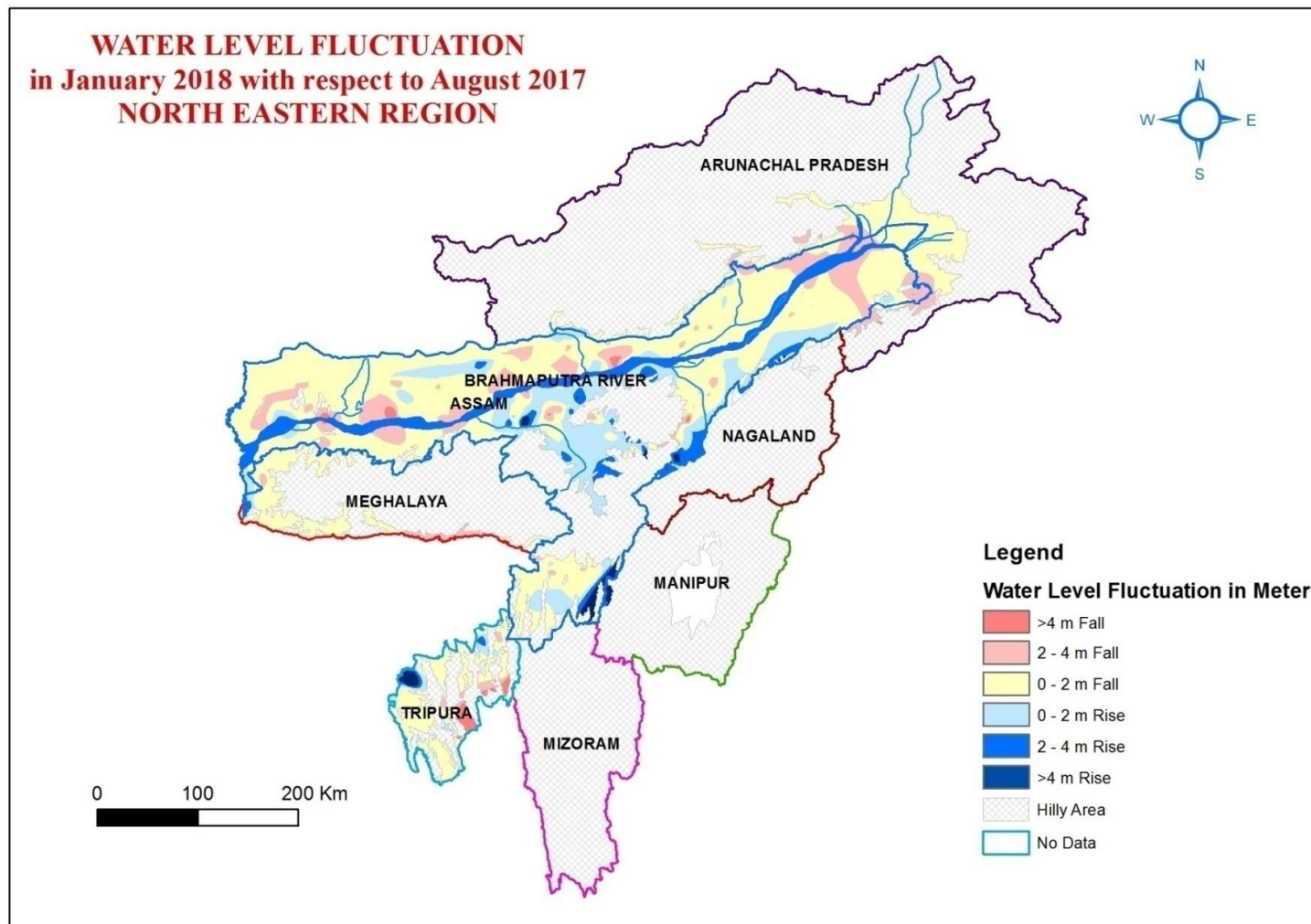


Fig.13 Water Level Fluctuation in January 2018 with respect to August 2017

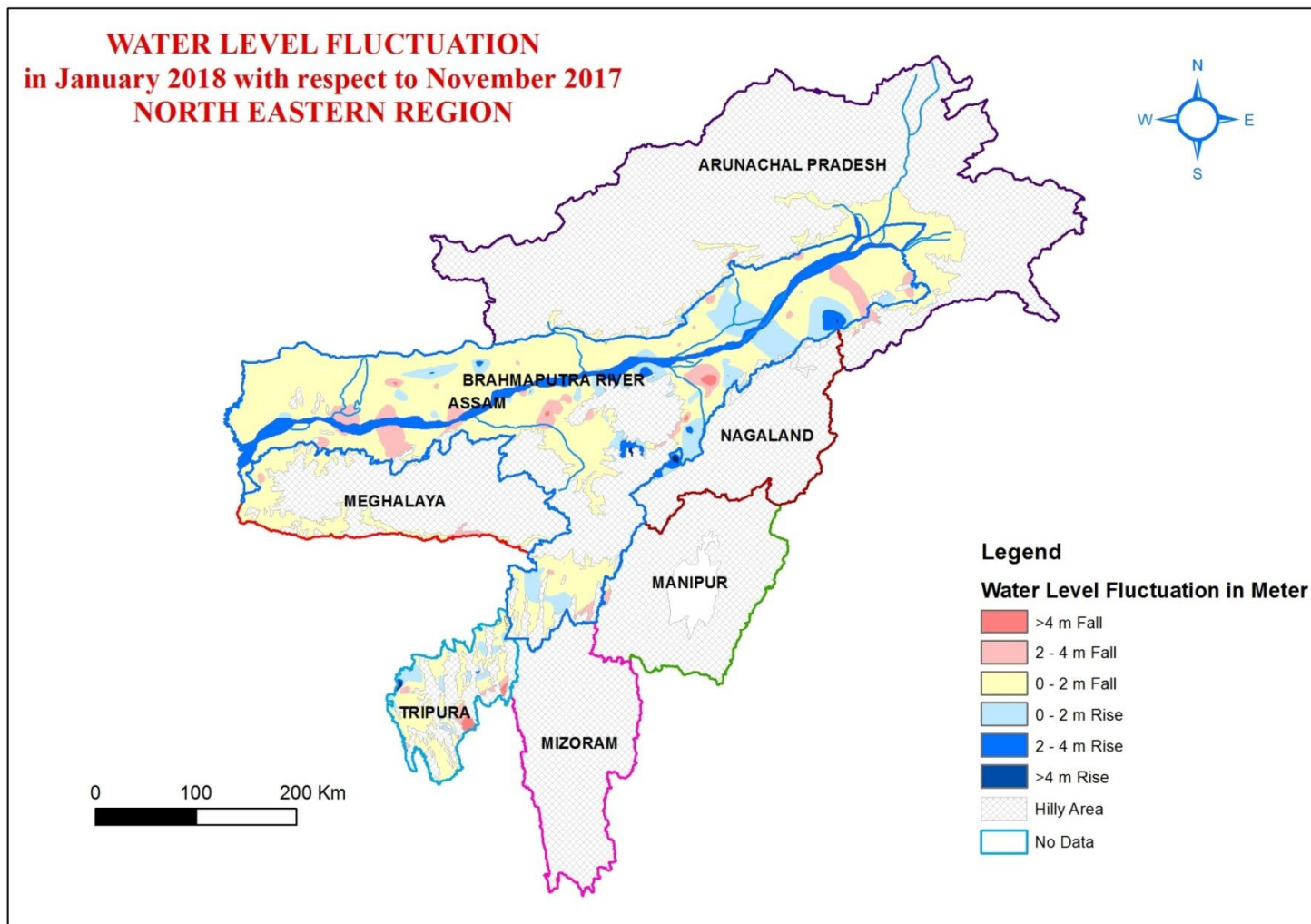


Fig.14 Water Level Fluctuation in January 2018 with respect to November 2017

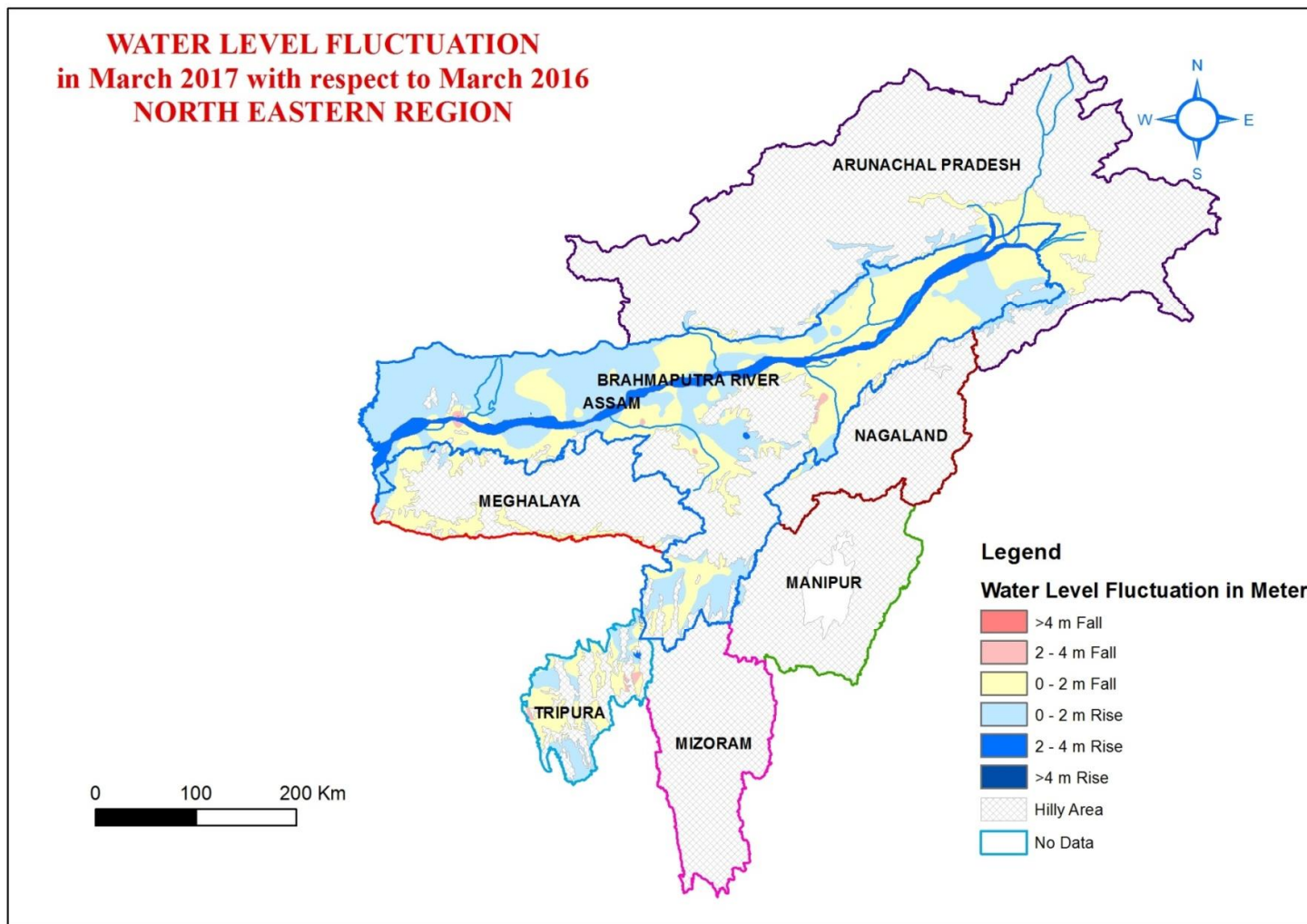


Fig.15 Water Level Fluctuation in March 2017 with respect to March 2016

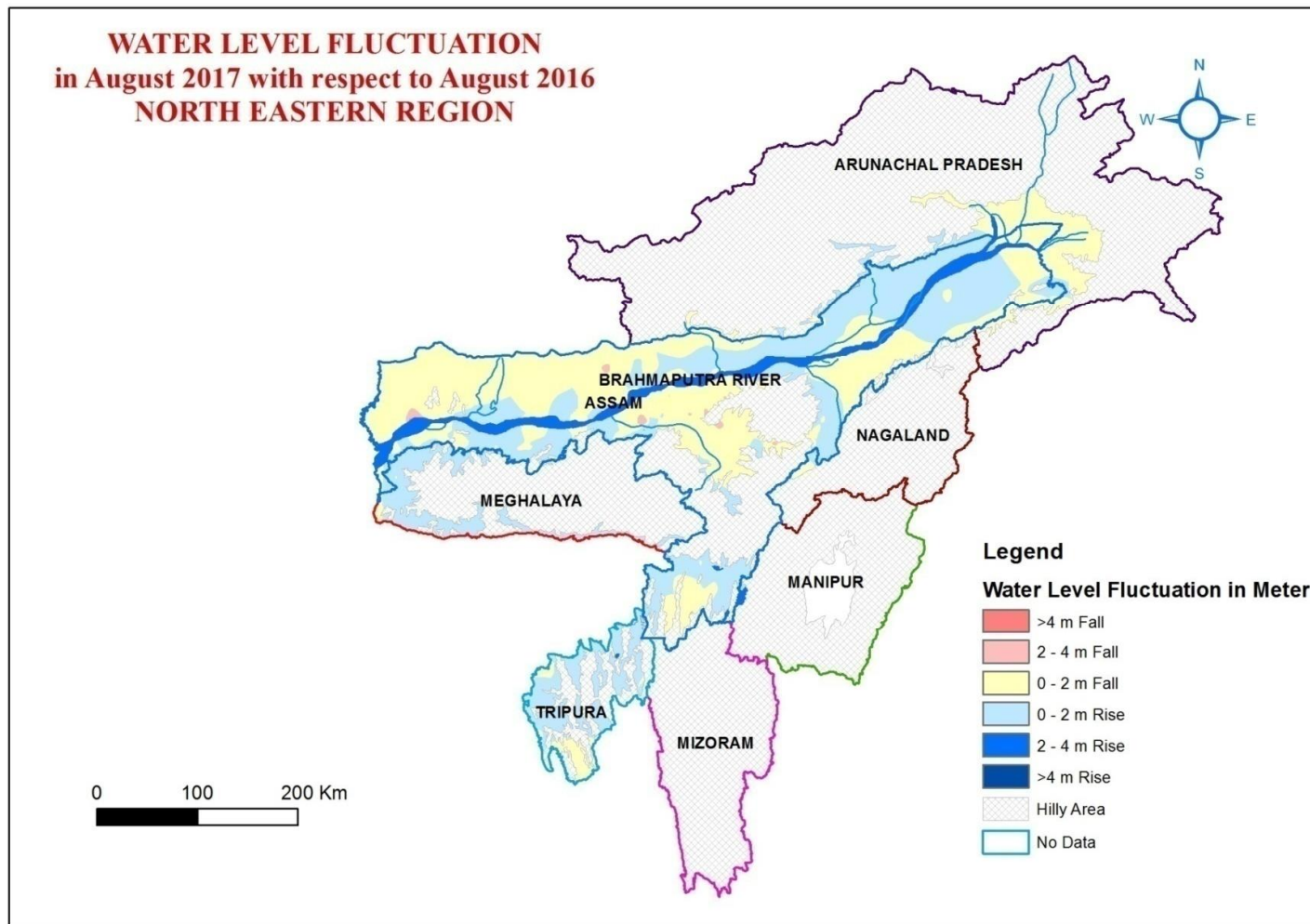


Fig.16 Water Level Fluctuation in August 2017 with respect to August 2016

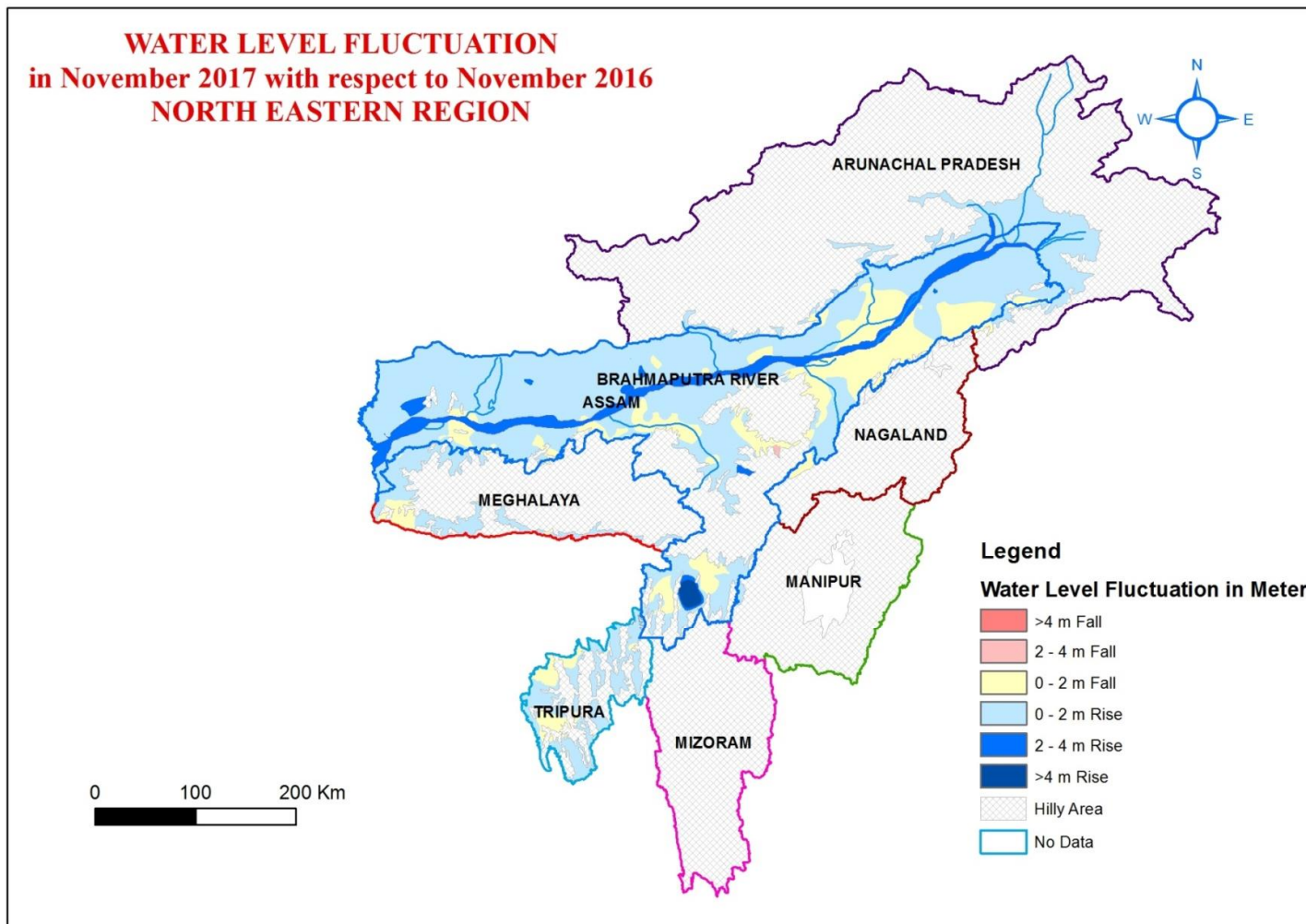


Fig.17 Water Level Fluctuation in November 2017 with respect to November 2016

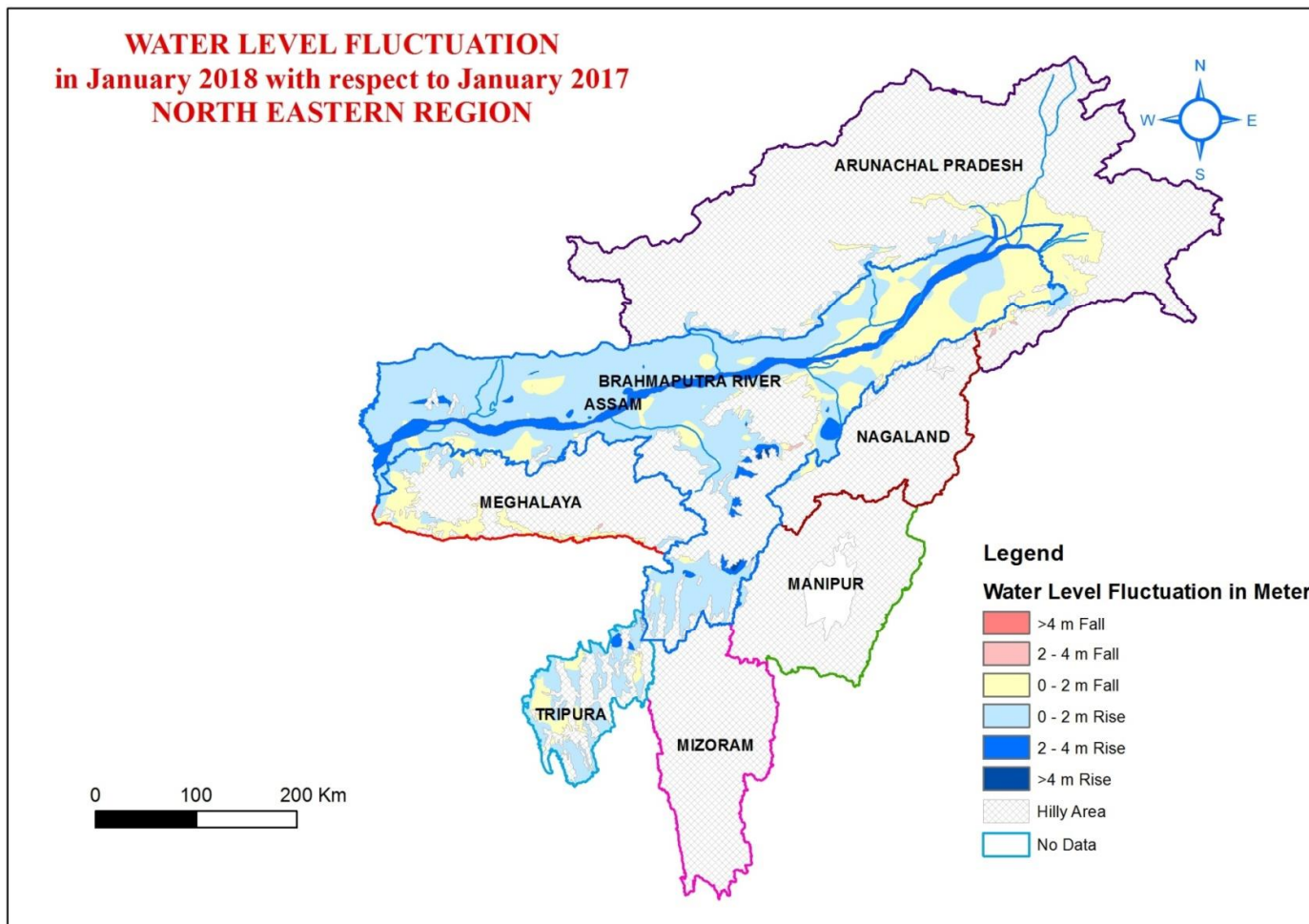


Fig.18 Water Level Fluctuation in January 2018 with respect to January 2017

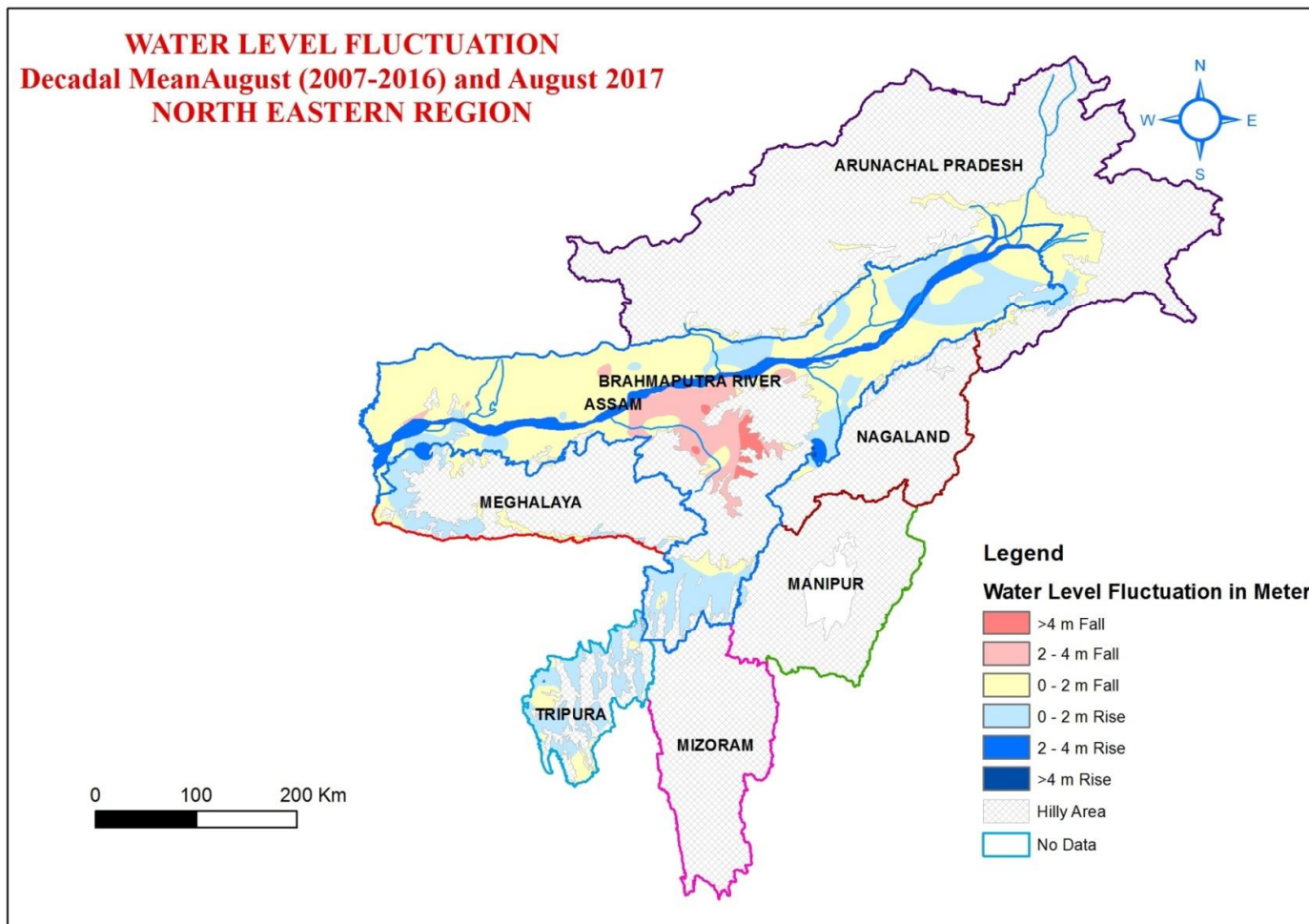


Fig.19 Water Level Fluctuation in August 2017 with respect to Decadal Mean (Aug 2007-2016)

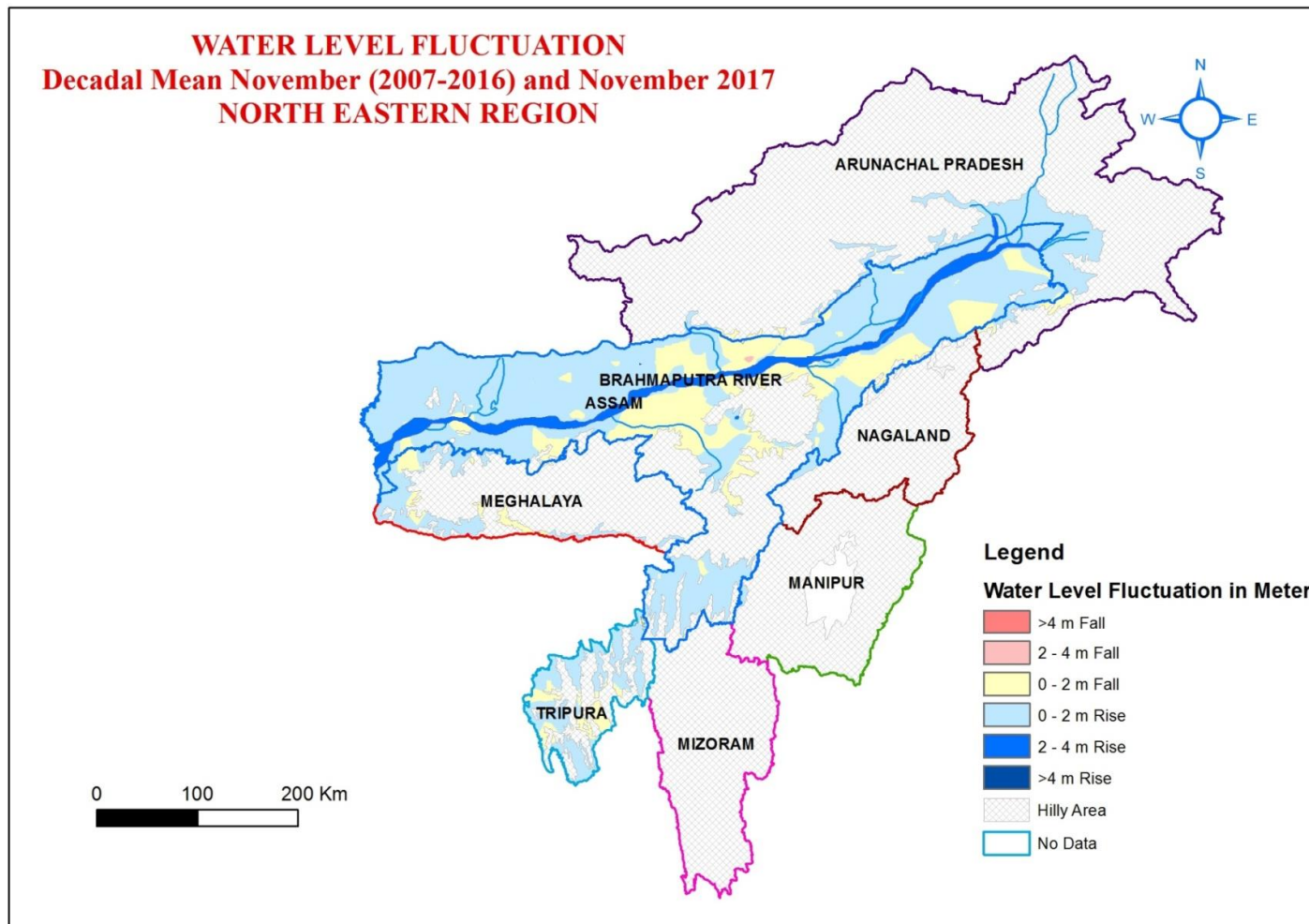


Fig.20 Water Level Fluctuation in November 2017 with respect to Decadal Mean (Nov 2007-2016)

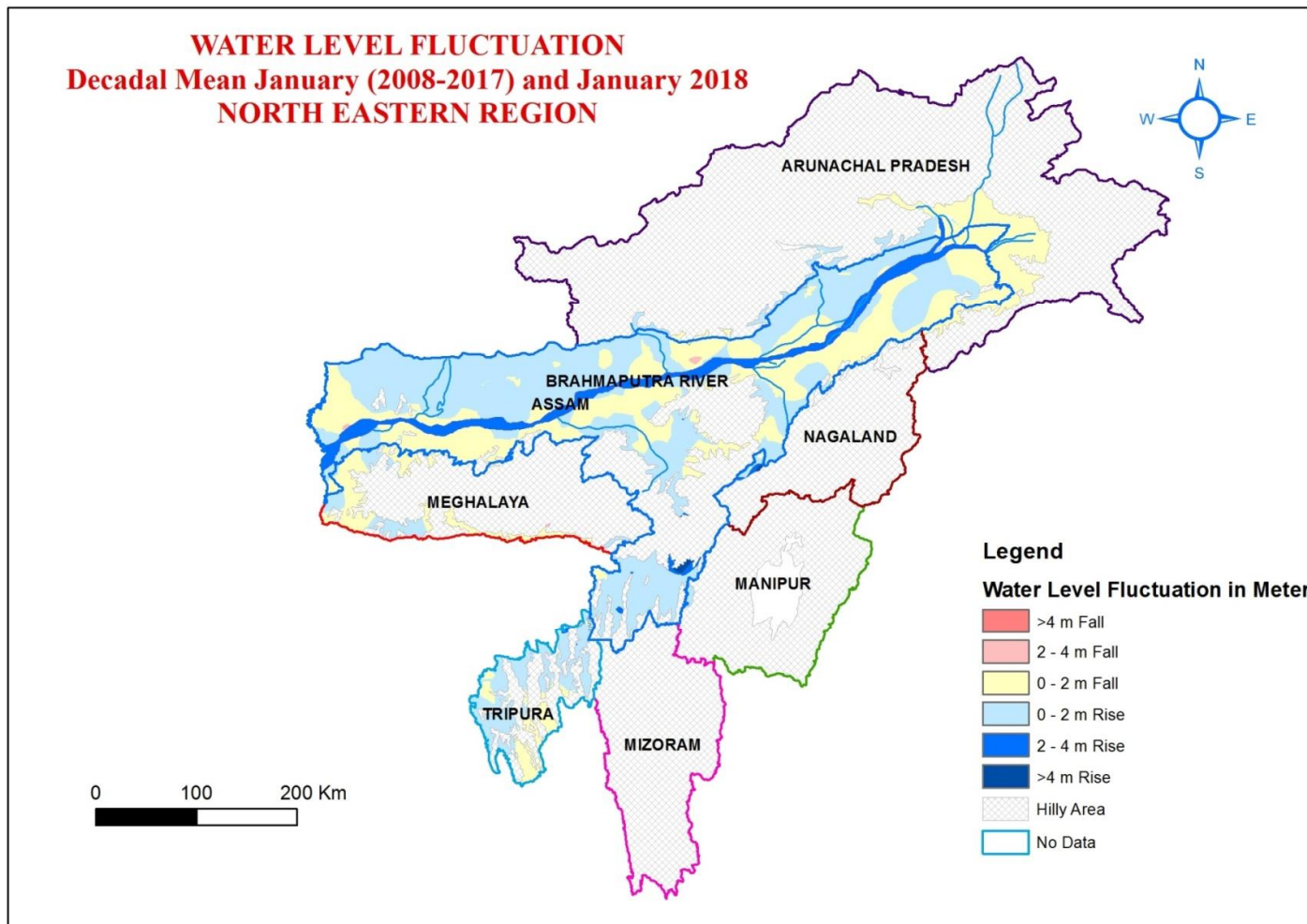


Fig.21 Water Level Fluctuation in January 2018 with respect to Decadal Mean (Jan 2008-2017)

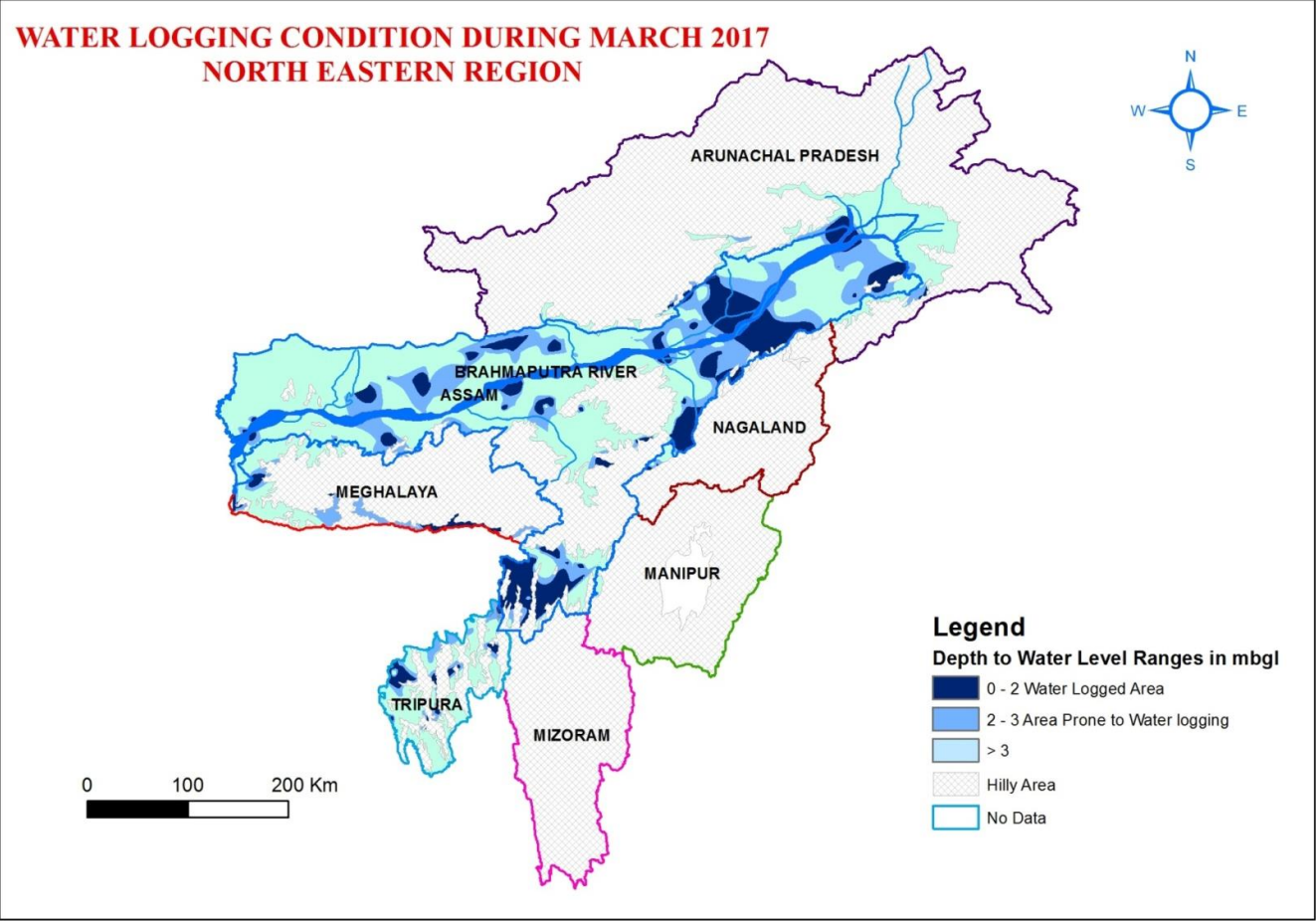


Fig.22 Water Logging Condition during Pre Monsoon (March 2017)

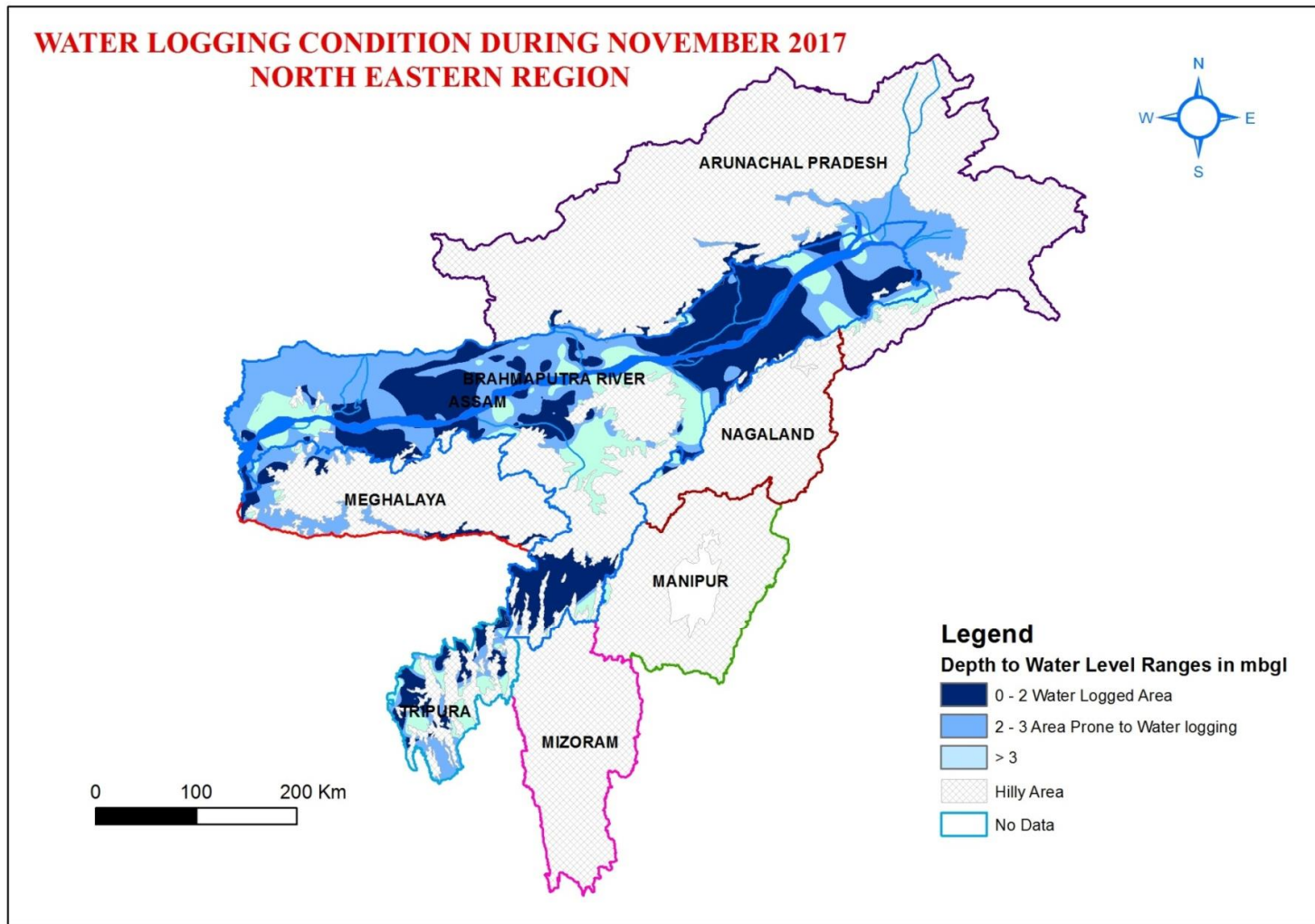


Fig.23 Water Logging Condition during Post Monsoon (November 2017)

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	1.10	185.65	27°12'30"	96°02'30"	Alluvium	Brahmaputra
Namchik	92A3A1	Dug	1.20	162.32	27°25'00"	96°02'45"	Alluvium	Brahmaputra
Namphai	92A3A2	Dug	0.70	199.15	27°27'30"	96°06'30"	Alluvium	Brahmaputra
Newlisan Kharsang	92A2A1	Dug	1.00		27°30'00"	96°08'00"	Alluvium	Brahmaputra
East Siang								
Berung	83M1B4	Dug	0.78		27°59'11"	95°20'06"	Alluvium	Brahmaputra
Oyen	ARES12	Dug		125.00	27°52'32"	95°18'41"	Alluvium	Brahmaputra
Pasighat New	ARES02A	Dug	0.29	158.00	28°09'05"	95°17'45"	Alluvium	Brahmaputra
Pasighat-II	ARES15	Dug	0.70	153.00	28°03'03"	95°20'10"	Alluvium	Brahmaputra
Ruksin	ARES11	Dug	0.95	121.00	27°50'16"	95°12'32"	Alluvium	Brahmaputra
Satmile	ARES17	Dug	0.37	139.00	27°58'40"	95°19'52"	Alluvium	Brahmaputra
Sika Baman Todee	ARES14	Dug	0.91	130.00	27°54'48"	95°20'37"	Alluvium	Brahmaputra
Lohit								
Lathow	83M2D1	Dug	0.86	143.25	27°40'00"	95°52'30"	Alluvium	Brahmaputra
Lower Subansiri								
Bomte	ARLSO3	Dug	1.27	144.00	27°49'00"	94°19'00"	Alluvium	Brahmaputra
Kolaputkar	ARLSO1	Dug	0.98	108.00	27°52'00"	94°25'00"	Alluvium	Brahmaputra
Rajgarh	ARLSO2	Dug	0.83	99.00	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	197.00	27°06'01"	93°42'00"	Sandstone	Brahmaputra
Doimukh	83E4D5	Dug	0.74	209.00	27°08'32"	93°45'22"	Alluvium	Brahmaputra
Itanagar I	ARPP10	Dug	0.80	347.00	27°06'14"	93°38'30"	Alluvium	Brahmaputra
Itanagar II	ARPP11	Dug	1.50	326.00	27°05'34"	93°37'29"	Alluvium	Brahmaputra
Kimin	83E3D2	Dug	0.95	150.05	27°18'30"	93°58'10"	Alluvium	Brahmaputra
Naharlagun I	ARPP08	Dug	0.55	144.00	27°06'11"	93°41'41"	Alluvium	Brahmaputra
Nirjuli Vill IIA	ARPP06	Dug	0.80	118.00	27°07'52"	93°43'59"	Alluvium	Brahmaputra
Nirjuli Vill IIB	ARPP07	Dug	1.02	117.00	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								
Baksha								
Barama	78N2B3	Dug	0.64	53.13	26°31'30"	91°22'04"	Alluvium	Brahmaputra
Jhargaon	ASBS01	Dug	0.95	54.00	26°34'05"	91°35'12"	Alluvium	Brahmaputra
Tamulpur	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
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

Village	Well No	Well Type	MP (magl)	RL (amsl)	Latitude	Longitude	Geology	River Basin
Dhupguri(Galia)	ASBP13	Dug	0.98	51.00	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	0.70	42.00	26°33'07"	91°12'52"	Alluvium	Brahmaputra
Patacharkuchi	ASBP16	Tube	1.00	42.00	26°30'20"	91°14'51"	Alluvium	Brahmaputra
Sarupeta	78N3A6	Dug	0.76	45.00	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	49.00	26°28'30"	90°54'10"	Alluvium	Brahmaputra
Ujanborbori	78N2A2	Dug	1.20	51.46	26°36'00"	91°06'00"	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	43.00	26°29'30"	90°33'00"	Alluvium	Brahmaputra
Chalantapara	78J3C4	Dug	1.10	35.00	26°14'16"	90°35'30"	Alluvium	Brahmaputra
Chaparakata	78J3C7	Dug	0.92	48.00	26°29'20"	90°37'00"	Alluvium	Brahmaputra
Chaparakata (Dankinamari)	ASBN10	Dug	0.65	51.00	26°29'14"	90°38'00"	Alluvium	Brahmaputra
Majgaon	ASBN11	Dug	0.90	44.00	26°25'08"	90°35'27"	Alluvium	Brahmaputra
Manikpur	78J3D1	Dug	1.00	43.88	26°28'00"	90°48'30"	Alluvium	Brahmaputra
Medhipara(Deo)	78J3C6	Dug	0.44		26°18'25"	90°39'15"	Alluvium	Brahmaputra
North salmara	78J3C8	Dug	0.65	39.00	26°21'30"	90°37'00"	Alluvium	Brahmaputra
Cachar								
Atalbasti	ASCR35	Dug	0.86		24°58'05"	92°34'31"	Alluvium	Meghna
Badribasti	83D1D7	Dug	1.00	22.28	24°48'35"	92°53'30"	Alluvium	Meghna
Borjalinga	83D2D1	Dug	1.00	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		24°41'47"	92°45'28"	Alluvium	Meghna
Digharkhal	83D1C3	Dug	0.85	22.74	24°59'20"	92°30'00"	Alluvium	Meghna
Fulertol	ASCR37	Dug	0.70	35.00	24°47'25"	93°00'19"	Alluvium	Meghna
Gosaiपुर Part-II	ASCR34	Dug	0.92	48.00	24°51'13"	92°51'17"	Alluvium	Meghna
Hilara	ASCR26	Dug	0.58	15.00	24°55'65"	92°35'43"	Alluvium	Meghna
Kalain	83D1C14	Dug	0.60	18.72	24°58'20"	92°35'00"	Alluvium	Meghna
Kashipur	ASCR31	Dug	0.94		24°48'49"	92°51'40"	Alluvium	Meghna
Katigora	ASCR27	Dug	0.85		24°53'13"	92°35'20"	Alluvium	Meghna
Masiampur	ASCR23	Dug	0.60		24°56'25"	92°43'37"	Alluvium	Meghna
Moinarbond	83D1D6	Dug	1.00	46.00	24°52'47"	92°53'05"	Alluvium	Meghna
Nagdirgram	ASCR39	Dug	0.65		24°40'48"	92°52'48"	Alluvium	Meghna
Poilapul	83H1A9	Dug	0.85	27.00	24°50'10"	93°01'55"	Alluvium	Meghna
Razabazar	83H1A7	Dug	0.75	45.00	24°52'00"	93°03'00"	Alluvium	Meghna
Shivachal	ASCR28	Dug	0.75	20.00	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		24°43'06"	92°46'37"	Sandstone	Meghna
Tarapur	ASCR32	Dug	1.15	7.00	24°49'47"	92°58'45"	Alluvium	Meghna
Chirang								
Bijni	78J3C5	Dug	0.90	45.00	26°29'30"	90°42'30"	Alluvium	Brahmaputra
Sidli	78J2B6	Dug	0.71		26°32'00"	90°28'00"	Alluvium	Brahmaputra
Runikhata	78J2B2	Dug	1.20	81.78	26°38'00"	90°23'00"	Alluvium	Brahmaputra
Darrang								
Bhakatpara Ow	ASDR33	Tube	0.65	56.00	26°32'20"	92°04'40"	Alluvium	Brahmaputra

Village	Well No	Well Type	MP (magl)	RL (amsl)	Latitude	Longitude	Geology	River Basin
Dalgaon	83B2A2	Dug	0.73	68.48	26°33'03"	92°12'30"	Alluvium	Brahmaputra
Dharmajuli TG	78N2D5	Dug	1.26	120.11	26°44'00"	91°45'20"	Alluvium	Brahmaputra
Dimakuchi	78N2D7	Dug	1.34	123.77	26°44'50"	91°50'00"	Alluvium	Brahmaputra
Dingdongpara	78N2D8	Dug	1.04	98.74	26°42'30"	91°50'30"	Alluvium	Brahmaputra
Gelabil (Thelamara)	83B2B6	Dug	0.73	51.00	26°42'50"	92°17'45"	Alluvium	Brahmaputra
Goroibari	ASDR31	Dug	0.46	49.00	26°45'05"	92°08'30"	Alluvium	Brahmaputra
Khoirabari	78N2D6	Dug	1.09	75.54	26°36'20"	91°49'00"	Alluvium	Brahmaputra
Majgaon OW	ASDR34	Tube	0.55	48.00	26°28'30"	92°04'56"	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
Mangaldoi II	83B3A3	Dug	0.83	56.07	26°25'48"	92°01'15"	Alluvium	Brahmaputra
Nij Ghagrapar	78N1D1	Dug	0.82	117.20	26°45'10"	91°58'30"	Alluvium	Brahmaputra
Sinnangpara	83B2A5	Dug	0.95	92.35	26°40'00"	92°03'00"	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	115.00	27°38'15"	94°47'44"	Alluvium	Brahmaputra
Bijoypur	83M1A3	Dug	1.00	122.29	27°45'10"	95°08'20"	Alluvium	Brahmaputra
Bokabil Ow	ASDM24	Tube	0.80	100.00	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	88.00	27°26'10"	94°31'30"	Alluvium	Brahmaputra
Dekapam	ASDM21	Dug	0.50	140.00	27°44'57"	94°55'20"	Alluvium	Brahmaputra
Dhakuakhana1	ASDM07	Dug	0.73		27°12'16"	94°51'21"	Alluvium	Brahmaputra
Dhemaji 1	83I3C1	Dug	0.99	102.41	27°30'00"	94°32'40"	Alluvium	Brahmaputra
Dhemaji 2	ASDM 23	Dug	1.21	89.00	27°30'42"	94°35'16"	Alluvium	Brahmaputra
Dipa	83I2D3	Dug	0.95	117.00	27°42'10"	94°51'21"	Alluvium	Brahmaputra
Ghilamara	ASDM11	Dug	0.86		27°18'28"	94°27'05"	Alluvium	Brahmaputra
Ghilamara Ow	ASDM26	Tube	0.80		27°18'28"	94°27'05"	Alluvium	Brahmaputra
Gogamukh Hss Ow	ASDM25	Tube	0.76	96.00	27°25'50"	94°15'45"	Alluvium	Brahmaputra
Jonai Murkongselek	83M1A1	Dug	0.80	124.36	27°50'12"	95°08'48"	Alluvium	Brahmaputra
Moridhal	ASDM27	Dug	0.97		27°32'19"	94°35'22"	Alluvium	Brahmaputra
Santipur	ASDM28	Dug	0.60		27°33'19"	94°30'18"	Alluvium	Brahmaputra
Siripani	83I2C3	Dug	0.45	108.00	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
Dhubri								
Bagaribari	78J4A4	Dug	0.81	33.00	26°12'10"	90°08'20"	Gneiss	Brahmaputra
Bahalpur	78J3B4	Dug	1.00	30.00	26°18'34"	90°27'52"	Alluvium	Brahmaputra
Balajan	ASDH15	Dug	0.83	22.00	26°05'50"	89°53'13'	Alluvium	Brahmaputra
Bilasipara	78J4A1	Dug	0.85	34.90	26°13'00"	90°14'30"	Alluvium	Brahmaputra
Chapar	78J3B2	Dug	0.90	39.00	26°16'18"	90°27'36"	Alluvium	Brahmaputra
Dakhin Tokesara	ASDH16	Dug	1.36	23.00	26°06'12"	89°50'13"	Alluvium	Brahmaputra
Dhubri Town	78F4D4	Dug	1.00	45.00	26°01'00"	89°59'00"	Alluvium	Brahmaputra
Matiabag	ASDH19	Tube	0.73	24.00	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	44.20	26°09'00"	90°03'00"	Gneiss	Brahmaputra
Rupshi	78F4D3	Dug	0.90	25.00	26°07'09"	89°55'25'	Alluvium	Brahmaputra

Village	Well No	Well Type	MP (magl)	RL (amsl)	Latitude	Longitude	Geology	River Basin
Sharpmari Beat	ASDH13	Dug	0.91	48.00	26°13'30"	90°21'30"	Gneiss	Brahmaputra
Sonamukhi	ASDH14	Dug	0.35	33.00	26°12'05"	90°18'30"	Alluvium	Brahmaputra
Tamarhat	78F4D2	Dug	0.80	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		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	0.80		27°14'46"	94°59'35"	Alluvium	Brahmaputra
Barbaruah	83I3D6	Dug	1.05		27°23'55"	94°52'55"	Alluvium	Brahmaputra
Chabua	83M3A2	Dug	0.59	115.14	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	0.40		27°13'58"	95°22'09"	Alluvium	Brahmaputra
Domar Dolong Tw	ASDB12	Tube	1.00		27°12'50"	94°57'00"	Alluvium	Brahmaputra
Jaipur Naharani	83M3A4	Dug	0.80		27°15'18"	95°14'17"	Alluvium	Brahmaputra
Lepetkata	ASDB13	Dug	0.80	86.00	27°22'20"	94°52'22"	Alluvium	Brahmaputra
Melengial PWSS	ASDB15	Tube	0.82		27°02'14"	95°26'34"	Alluvium	Brahmaputra
Goalpara								
Agia1	78J4C3	Dug	0.95	49.00	26°04'55"	90°32'55"	Alluvium	Brahmaputra
Agia2	ASGP21	Dug	0.65	35.00	26°04'56"	90°32'59"	Alluvium	Brahmaputra
Baida	78J4B3	Dug	0.70	65.00	26°01'33"	90°24'59"	Gneiss	Brahmaputra
Bhalukdubi (Goalpara)	ASGP15	Dug	0.80	41.00	25°07'50"	90°35'42"	Alluvium	Brahmaputra
Damra	78K1D8	Dug	0.90	59.00	25°55'45"	90°46'35"	Alluvium	Brahmaputra
Dudhnai	78K1D1	Dug	0.75	41.00	25°58'51"	90°46'54"	Alluvium	Brahmaputra
Dudhnoi II	ASGP17	Dug	0.75	53.00	25°57'07"	90°46'23"	Alluvium	Brahmaputra
Dwarka	ASGP19	Dug	0.90	49.00	25°03'24"	90°29'43"	Alluvium	Brahmaputra
Krishnai	78J4C1	Dug	0.80	57.00	26°02'05"	90°39'42"	Alluvium	Brahmaputra
Pattarpara	ASGP22	Dug	0.70	44.00	25°58'04"	90°54'23"	Alluvium	Brahmaputra
Rongjuli	78K1D2	Dug	0.30	59.00	25°58'10"	90°55'30"	Alluvium	Brahmaputra
Salpara	ASGP16	Dug	0.70	52.00	26°00'46"	90°42'03"	Alluvium	Brahmaputra
Sarapara	ASGP23	Dug	0.85	57.00	25°58'17"	90°57'09"	Alluvium	Brahmaputra
Teuli	ASGP20	Dug	0.60	47.00	26°04'24"	90°30'50"	Alluvium	Brahmaputra
Golaghat								
Balibat	ASGL09	Dug	0.20	75.00			Alluvium	Brahmaputra
Bokakhat	83F2C2	Dug	0.53	78.08	26°38'00"	94°37'00"	Alluvium	Brahmaputra
Bokakhat1	ASGL12	Dug	0.70		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		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		26°31'38"	94°48'35"	Alluvium	Brahmaputra
Garampani	ASGL15	Dug	0.75		26°23'34"	93°52'49"	Alluvium	Brahmaputra
Garigaon	ASGL17	Dug	1.00		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			26°35'09"	93°19'33"	Alluvium	Brahmaputra
Kamargaon1	83F2C1	Dug	0.98	79.91	26°38'00"	93°45'00"	Alluvium	Brahmaputra
Kahara Kaziranga	83F2B1	Dug	1.10	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								

Village	Well No	Well Type	MP (magl)	RL (amsl)	Latitude	Longitude	Geology	River Basin
Burakhai	ASHL08	Dug	0.80	12.00	24°37'45"	92°40'29"	Alluvium	Meghna
Katlicherra N	ASHL02A	Dug	0.20	31.54	24°27'05"	92°37'10"	Alluvium	Meghna
Lakhinagar	ASHL09	Dug	0.85		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	22.62	24°36'45"	92°33'15"	Sandstone	Meghna
Panchgram New	ASHL05A	Dug	0.90		24°51'30"	92°36'02"	Alluvium	Meghna
Syedband Part II	ASHL01A	Dug	0.90		24°43'39"	94°35'00"	Alluvium	Meghna
Jorhat								
Bijay Nagar	ASJR33	Dug	0.41		26°43'21"	94°10'38"	Alluvium	Brahmaputra
Chandan Nagar	ASJR23	Dug	0.38		26°44'30"	94°12'56"	Alluvium	Brahmaputra
Chengal Ati	ASJR24	Dug	0.60		26°48'00"	94°05'04"	Alluvium	Brahmaputra
Chutuyakari	ASJR31	Dug	0.76		26°42'25"	94°10'34"	Alluvium	Brahmaputra
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
Dahotia	ASJR29	Dug	0.75		26°43'17"	94°07'22"	Alluvium	Brahmaputra
Jorhat Bye Pass	ASJR32	Dug	0.90		26°46'26"	94°14'38"	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	0.90	115.05	26°39'30"	94°19'30"	Alluvium	Brahmaputra
Meleng Kaparadharia	ASJR28	Dug	0.75		26°47'25"	94°18'08"	Alluvium	Brahmaputra
Nefa Tinali	ASJR30	Dug	0.82	25.40	26°43'30"	94°11'36"	Alluvium	Brahmaputra
Rajoi TG	83J2B5	Dug	0.85	48.59	26°44'00"	94°20'00"	Alluvium	Brahmaputra
Rangajan PHE Sc	ASJR26	Dug	0.80	21.27	26°38'21"	94°12'58"	Alluvium	Brahmaputra
Saklatinga TGI	83J2A11	Dug	0.90		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 Kachari gaon	ASJR22	Dug	1.08		26°30'24"	94°09'25"	Alluvium	Brahmaputra
Tipamia	83J2A6	Dug	0.50	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	0.90	34.00	26°15'15"	91°33'30"	Alluvium	Brahmaputra
Agyathuri	78N4C2	Dug	0.85	49.80	26°12'30"	91°37'30"	Alluvium	Brahmaputra
Alikash Adarsh	78N4C16	Dug	1.05	39.00	26°14'00"	91°37'00"	Alluvium	Brahmaputra
Bamunigaon I	78N4B3	Dug	0.70	51.67	26°01'15"	91°19'40"	Alluvium	Brahmaputra
Boko	78O1A1	Dug	0.87	46.07	25°58'30"	91°14'30"	Alluvium	Brahmaputra
Boko I	ASKM39	Dug	0.75	54.00	25°59'42"	91°16'04"	Alluvium	Brahmaputra
Borghuli	78N2C3	Dug	1.48	61.59	26°31'00"	91°40'00"	Alluvium	Brahmaputra
Chandrapur	78N4D9	Dug	0.87	55.66	26°11'32"	91°56'30"	Gneiss	Brahmaputra
Charani	ASKM48	Dug	0.85		26°30'05"	91°35'15"	Alluvium	Brahmaputra
Chhaygaon	ASKM41	Dug	0.90	38.00	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	43.00	26°15'30"	91°41'50"	Alluvium	Brahmaputra
Dora Kahara	ASKM47	Dug	0.62	35.00	26°17'30"	90°43'00"	Alluvium	Brahmaputra

Village	Well No	Well Type	MP (magl)	RL (amsl)	Latitude	Longitude	Geology	River Basin
Goreswar	78N2C2	Dug	0.60	60.44	26°31'55"	91°43'55"	Alluvium	Brahmaputra
Hajo	78N4C5	Dug	0.82	47.43	26°15'00"	91°32'00"	Alluvium	Brahmaputra
Hengulapara	78N3D3	Dug	0.78		26°29'30"	91°46'00"	Alluvium	Brahmaputra
Kachkatchi	ASKM49	Dug	0.61		26°06'37"	92°10'06'	Alluvium	Brahmaputra
Kahara	78N3C2	Dug	0.90	52.25	26°18'10"	91°43'07"	Alluvium	Brahmaputra
Mirza	ASKM42	Dug	0.80	70.00	26°05'35"	91°32'50"	Alluvium	Brahmaputra
Naokata	78N2C7	Dug	1.06	84.51	26°38'50"	91°44'00"	Alluvium	Brahmaputra
Rajapara	78O1A3	Dug	0.80	64.00	25°56'39"	91°07'05"	Alluvium	Brahmaputra
Rangia	78N3C1	Dug	0.85	52.46	26°27'30"	91°37'00'	Alluvium	Brahmaputra
Rani	ASKM32	Dug	0.90	76.00	26°02'27"	91°35'12'	Alluvium	Brahmaputra
Sualkuchi	78N4C11	Dug	0.87	38.00	26°10'15"	91°35'05"	Alluvium	Brahmaputra
Tarani	ASKM48	Dug	0.85		26°30'05'	91°35'15'	Alluvium	Brahmaputra
Kamrup Metro								
Amingaon	ASKM46	Dug	0.80		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		26°06'10"	92°08'31"	Alluvium	Brahmaputra
Boragaon	78N4C7	Dug	0.90	46.81	26°05'00"	91°37'00"	Alluvium	Brahmaputra
Dirgheswari	78N4C12	Dug	0.93	50.73	26°14'18"	91°44'34"	Alluvium	Brahmaputra
Kahilipara	78N4D7	Dug	0.75		26°08'00"	91°46'00"	Gneiss	Brahmaputra
Khanapara	78N4D3	Dug	0.75		26°07'15"	91°49'05"	Alluvium	Brahmaputra
Khetri	83B4A3	Dug	0.80	65.25	26°06'30"	92°04'30"	Alluvium	Brahmaputra
Khetri II	ASKM51	Dug	0.60		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
Rani I	78N4C9	Dug	0.90	53.64	26°05'00"	91°40'00"	Alluvium	Brahmaputra
Rani2	ASKM43	Dug	0.85		26°03'55"	91°36'22"	Alluvium	Brahmaputra
Samata Pathar	ASKM36A	Dug	0.92		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	1.00		26°07'58"	91°58'48"	Alluvium	Brahmaputra
Topatoli	83B4A4	Dug	0.98	58.54	26°06'30"	92°07'00"	Alluvium	Brahmaputra
Topatoli New	ASKM35A	Dug	0.50		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		26°07'03"	93°47'06"	Alluvium	Brahmaputra
Amlokhi	ASKA53	Dug	1.35		25°57'40"	93°29'19"	Alluvium	Brahmaputra
Balipathar	83F4D3	Dug	0.90	125.88	26°09'25"	93°48'00"	Alluvium	Brahmaputra
Boithalansu	83C1C2	Dug	0.97	69.30	25°58'45"	92°36'19"	Alluvium	Brahmaputra
Bokajan I	ASKA41	Dug	0.75		26°08'32"	93°51'10"	Alluvium	Brahmaputra
Bokajan II	ASKA42	Dug	0.60		26°01'38"	93°45'48"	Alluvium	Brahmaputra
Bokoliaghat	ASKA34	Dug	1.00		26°03'49"	93°11'06"	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	0.90	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		25°57'45"	93°35'06"	Alluvium	Brahmaputra
Diphu	83G1B1	Dug	0.79	183.60	25°50'30"	93°27'00"	Sandstone	Brahmaputra

Village	Well No	Well Type	MP (magl)	RL (amsl)	Latitude	Longitude	Geology	River Basin
Diphu1	ASKA54	Dug	1.17		25°50'46"	93°26'41"	Alluvium	Brahmaputra
Diphu2	ASKA55	Dug	0.69		25°50'04"	93°24'24"	Alluvium	Brahmaputra
Diphu (Lumding Road)	ASKA58	Dug	0.69		25°50'04'	93°24'24'	Sandstone	Brahmaputra
Diphu(Matibung Road)	ASKA57	Dug	1.17	166.00	25°50'46'	93°26'41'	Sandstone	Brahmaputra
Dishobai	ASKA35	Dug	0.67		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	0.80		26°00'17"	93°46'07"	Alluvium	Brahmaputra
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	86.90	25°50'46"	92°57'53"	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		25°59'29"	93°45'51"	Alluvium	Brahmaputra
Khatkhati CRBF	ASKA40	Dug	0.72		26°02'22"	93°36'24"	Alluvium	Brahmaputra
Kheronighat	83C1D3	Dug	0.88	79.87	25°50'49"	92°53'52"	Alluvium	Brahmaputra
Lahorijan	ASKA51	Dug	0.75		25°54'25"	93°39'40"	Alluvium	Brahmaputra
Lakhijan	ASKA52	Dug	0.99		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	0.20		25°58'12"	93°26'14"	Alluvium	Brahmaputra
Manja Forest	83G1B2	Dug	0.90	161.05	25°57'25"	93°26'33"	Alluvium	Brahmaputra
Mohendijua	ASKA38	Dug	1.00		25°59'40"	93°24'39"	Alluvium	Brahmaputra
Phonglangso	ASKA36	Dug	0.92		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		26°11'48"	93°47'43"	Alluvium	Brahmaputra
Sidharampur	ASKA48	Dug	0.87		26°13'04"	93°01'13"	Gneiss	Brahmaputra
Silanijan	83F3D1	Dug	0.80	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	1.00		26°01'02"	93°22'54"	Alluvium	Brahmaputra
Karimganj								
Badarpur	83D1C1	Dug	0.65	19.47	24°52'00"	92°34'00"	Alluvium	Meghna
Dhulia	83D2B6	Dug	0.60	25.83	24°38'30"	92°21'15"	Alluvium	Meghna
Hatikira	83D3B1	Dug	0.66	28.88	24°26'00"	92°17'30"	Sandstone	Meghna
Kalinagar	ASKG12	Dug	0.78		24°35'03'	92°29'01'	Sandstone	Meghna
Karimganj	ASKG15	Dug	0.90		24°51'54"	92°21'49"	Alluvium	Meghna
Kayasthagram	ASKG16	Dug			24°43'15"	92°20'47"	Alluvium	Meghna
Patharkandi	ASKG17	Dug		20.00	24°35'49"	92°19'14"	Alluvium	Meghna
Rk Nagar I	83D2B4	Dug	0.90	25.06	24°32'20"	92°29'00"	Sandstone	Meghna
Sarkaribari	83D2B7	Dug	0.85	19.22	24°33'45"	92°24'50"	Alluvium	Meghna
Kokrajhar								
Balemjhora	78F2D1	Dug	0.80	78.00	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
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

Village	Well No	Well Type	MP (magl)	RL (amsl)	Latitude	Longitude	Geology	River Basin
Gossaigaon	78F3D1	Dug	1.15	47.29	26°26'30"	89°58'00"	Alluvium	Brahmaputra
Guma	78F3D2	Dug	1.20		26°21'48"	89°54'00"	Alluvium	Brahmaputra
Haltugaon	78J2C2	Dug	0.90		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	1.00	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	1.20		26°49'30"	90°15'20"	Alluvium	Brahmaputra
Lakhimpur								
Amguri	ASLK23	Dug	1.00		26°53'00"	93°46'00"	Alluvium	Brahmaputra
Amsoi	ASLK01	Dug	0.37		27°02'00"	93°43'00"	Alluvium	Brahmaputra
Basudeoathan	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		27°24'14"	94°10'06"	Alluvium	Brahmaputra
Dejoo	ASLK24	Dug	1.03				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	1.00	106.00	27°07'21"	93°51'20"	Alluvium	Brahmaputra
Islampur	83E4D3	Dug	0.90	86.98	27°04'55"	93°54'00"	Alluvium	Brahmaputra
Kadam	83I3A3	Dug	0.75		27°17'40"	94°09'10"	Alluvium	Brahmaputra
Kakai	83I3A2	Dug	0.90	110.84	27°17'00"	94°06'45"	Alluvium	Brahmaputra
Koilamari 6 No Line	ASLK31	Dug	0.95		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	0.90				Alluvium	Brahmaputra
Milanpur	ASLK26	Dug	0.80	98.00	27°26'14"	94°17'53"	Alluvium	Brahmaputra
Moridirgha	ASLK30	Dug	1.47		27°19'11"	94°08'04"	Alluvium	Brahmaputra
N Lakhimpur Ow	ASLK27	Tube	0.65		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	0.90	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	111.00	27°26'39"	94°12'47"	Alluvium	Brahmaputra
Morigaon								
Baghara	83B4B2	Dug	0.92	60.22	26°11'01"	92°17'51"	Alluvium	Brahmaputra
Baropujia	ASMR14	Dug	0.98		26°16'28"	92°29'47"	Alluvium	Brahmaputra
Barukati	ASMR27	Dug	0.44		26°23'56"	92°13'56"	Alluvium	Brahmaputra
Barukati Ow	ASMR23	Tube	0.72		26°24'30"	92°14'00"	Alluvium	Brahmaputra
Basanaghat Ow	ASMR19	Tube	0.80		26°08'30"	92°19'27"	Alluvium	Brahmaputra
Charaibahi Ow	ASMR22	Tube	0.55		26°27'30"	92°17'30"	Alluvium	Brahmaputra
Daponibari Ow	ASMR18	Tube	0.80		26°14'44"	92°23'10"	Alluvium	Brahmaputra
Deosal	ASMR12	Dug	0.94		26°07'35"	92°15'09"	Alluvium	Brahmaputra
Dharamtul	ASMR29	Dug	0.80		26°08'45"	92°21'13"	Alluvium	Brahmaputra
Garmari gaon	83B3A4	Dug	1.00		26°15'21"	92°13'46"	Alluvium	Brahmaputra
Jagibhakatgaon	ASMR20	Tube	0.71		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		26°11'38"	92°14'46"	Alluvium	Brahmaputra

Village	Well No	Well Type	MP (magl)	RL (amsl)	Latitude	Longitude	Geology	River Basin
Moirabari	ASMR25	Dug	0.98		26°27'16"	92°25'19"	Alluvium	Brahmaputra
Morigaon	83B3B10	Dug	0.92		26°15'41"	92°22'53"	Alluvium	Brahmaputra
Nasatra	83B4A5	Dug	1.00	58.80	26°13'30"	92°13'00"	Alluvium	Brahmaputra
Nelle New	ASMR11	Dug	0.84		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		26°14'27"	92°15'50"	Alluvium	Brahmaputra
Shugumbari	ASMR17	Dug	1.20		26°25'24"	92°25'13"	Alluvium	Brahmaputra
Silsang Namghar	ASMR13	Dug	0.94				Alluvium	Brahmaputra
Solmari Ow	ASMR21	Tube	0.72		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			26°19'44"	92°51'07"	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	56.60	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		26°15'33"	92°38'38"	Alluvium	Brahmaputra
Dalapani	ASNG39	Dug	0.90		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	0.80	60.61	26°11'30"	92°51'00"	Alluvium	Brahmaputra
Ghasibasti Ow	ASNG46	Tube	0.40		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	85.20	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	0.60		26°35'09"	93°23'42"	Alluvium	Brahmaputra
Kondali	83B3D5	Dug	0.99	82.99	26°15'45"	92°47'00"	Alluvium	Brahmaputra
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	0.70	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		26°33'00"	92°53'37"	Alluvium	Brahmaputra
Pahukata	ASNG36	Dug	0.91		26°24'07"	92°48'31"	Alluvium	Brahmaputra
Phulaguri R5	ASNG41	Dug	0.80		26°01'58"	92°40'03"	Alluvium	Brahmaputra
Phulaguri R6	83F2A5	Dug	0.37		26°34'40"	93°11'07"	Alluvium	Brahmaputra
Rangamati Ow	ASNG45	Tube			26°24'45"	92°25'45"	Alluvium	Brahmaputra
Samuguri	83B3D7	Dug	0.70	63.75	26°24'30"	92°49'45"	Alluvium	Brahmaputra
Silghat	83B2D6	Dug	0.96		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	0.50	66.96	26°25'00"	92°37'00"	Alluvium	Brahmaputra
Tirchang	ASNG47	Dug	0.85		26°15'37"	92°35'45"	Alluvium	Brahmaputra
Zebra Khua	ASNG33	Dug	0.85				Alluvium	Brahmaputra
Nalbari								
Aithabari	78N2B5	Dug	0.86	58.98	26°44'05"	91°21'30"	Alluvium	Brahmaputra
Arikuchi	78N3B4	Dug	0.90	44.99	26°22'18"	91°26'42"	Alluvium	Brahmaputra
Balilecha	78N3B6	Tube	0.50		26°25'04"	91°28'29"	Alluvium	Brahmaputra

Village	Well No	Well Type	MP (magl)	RL (amsl)	Latitude	Longitude	Geology	River Basin
Dhamdhama	78N2B1	Dug	0.71	61.24	26°33'22"	91°27'09"	Alluvium	Brahmaputra
Dummbazar	78N2B2	Dug	0.57	77.75	26°35'30"	91°18'54"	Alluvium	Brahmaputra
Hazaregaon	78N2C10	Dug	0.81	81.56	26°42'55"	91°33'36"	Alluvium	Brahmaputra
Mithabari	78N1B2	Dug	0.93	112.60	26°45'42"	91°23'30"	Alluvium	Brahmaputra
Tihu	78N3B3	Dug	0.93	51.63	26°28'30"	91°15'27"	Alluvium	Brahmaputra
Sibsagar								
Athkhel Grant	ASSA05	Dug	0.50		26°46'52"	94°40'49"	Alluvium	Brahmaputra
Bandarmari	83I4C14	Dug	0.87		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	81.00	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	0.70		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	81.00	27°11'56"	94°45'00"	Alluvium	Brahmaputra
Garbhaga Pwss	ASSA06	Tube	0.85		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
Madhurigohain Gaon	ASSA03	Dug	1.00		26°06'00"	94°42'00"	Alluvium	Brahmaputra
Moranhat	83I4D1	Dug	0.50	106.43	27°12'00"	94°56'00"	Alluvium	Brahmaputra
Santak	ASSA04	Dug	1.00		26°52'45"	94°48'00"	Alluvium	Brahmaputra
Sapekhati	83M4A1	Dug	1.00	110.71	27°05'00"	95°12'00"	Alluvium	Brahmaputra
Sibsagar	83J1C2	Dug	0.73	92.25	26°59'30"	94°38'00"	Alluvium	Brahmaputra
Sonari gaon	ASSA02	Dug	0.68		26°44'12"	94°44'07"	Alluvium	Brahmaputra
Sonitpur								
18th Mile	ASSP29	Dug	1.00	105.00	26°45'00"	92°48'00"	Alluvium	Brahmaputra
Balipara	83B1D4	Dug	0.90	91.00	26°49'21"	92°47'10"	Alluvium	Brahmaputra
Barchola	83B2B5	Dug	0.83	69.71	26°36'30"	92°23'00"	Alluvium	Brahmaputra
Bihupukhuri	83F2A7	Dug	0.84	85.00	26°44'50"	93°15'00"	Alluvium	Brahmaputra
Biswanath	83F2A8	Dug	0.76	74.01	26°39'30"	93°10'30"	Alluvium	Brahmaputra
Biswanath charali	83F2A6	Dug	0.18	74.65	26°45'00"	93°11'15"	Alluvium	Brahmaputra
Borgang	83F1B2	Dug	1.05	81.00	26°50'27"	93°17'24"	Alluvium	Brahmaputra
Buroighat	ASSP 25	Dug	0.80	89.00	26°52'04"	93°24'59"	Alluvium	Brahmaputra
Charduar	83B1D1	Dug	0.72	84.00	26°52'00"	92°46'30"	Alluvium	Brahmaputra
Dhalabil	83B1D3	Dug	0.75		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	71.00	26°52'00"	92°48'45"	Alluvium	Brahmaputra
Gaudhara Gaon	ASSP 22	Dug	0.50	73.00	26°50'18"	93°33'45"	Alluvium	Brahmaputra
Ghahigaon	83F1C1	Dug	0.85	79.15	26°50'00"	93°30'00"	Alluvium	Brahmaputra
Gohpur	83F1C2	Dug	0.88	80.03	26°53'30"	93°37'30"	Alluvium	Brahmaputra
Helem	ASSP24	Dug	0.97	75.00	26°50'59"	93°27'55"	Alluvium	Brahmaputra
Jamuguri North	83B2D3	Dug	0.89	77.12	26°43'00"	92°55'30"	Alluvium	Brahmaputra
Ketela TE	ASSP26	Dug	0.82	81.00	26°49'43"	93°19'23"	Alluvium	Brahmaputra
Kolabari	ASSP23	Dug	1.10	56.00	26°54'05"	93°42'29"	Alluvium	Brahmaputra
Kolony	83B1C2	Dug	0.70	99.64	26°51'41"	92°42'21"	Alluvium	Brahmaputra
Na Pam	ASSP31	Dug	1.00	72.00	26°41'17"	92°22'40"	Alluvium	Brahmaputra
Rangapara	83B2C1	Dug	0.63		26°44'10"	92°41'05"	Alluvium	Brahmaputra
Sootia	83F2A2	Dug	0.80	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

Village	Well No	Well Type	MP (magl)	RL (amsl)	Latitude	Longitude	Geology	River Basin
Thelamara	ASSP30	Dug	0.54	33.00	26°41'40"	92°35'12"	Alluvium	Brahmaputra
Tolakbari Ow	ASSP34	Tube	0.72		26°41'51"	92°57'22"	Alluvium	Brahmaputra
Tupia	ASSP28	Dug	0.74	76.00	26°47'56"	92°43'40"	Alluvium	Brahmaputra
Tinsukia								
Bordumsa	83M3D3	Dug	1.32	156.53	27°30'00"	95°50'00"	Alluvium	Brahmaputra
Borgolai	83M3C2	Dug	0.40	141.51	27°17'30"	95°37'30"	Alluvium	Brahmaputra
Bortorani	83M2B4	Dug	0.80		27°31'21"	95°28'17"	Alluvium	Brahmaputra
Digboi	83M3C1	Dug	0.95	151.50	27°23'30"	95°38'30"	Alluvium	Brahmaputra
Jagun	83M3D4	Dug	0.90	157.90	27°23'37"	95°53'57"	Alluvium	Brahmaputra
Jaipur Naharjan	83M4B5	Dug	0.50		27°14'29"	95°24'47"	Alluvium	Brahmaputra
Ledo forest office	83M3C3	Dug	0.94	146.45	27°18'00"	95°42'00"	Alluvium	Brahmaputra
Lekhapani	83M3D1	Dug	0.49	147.50	27°18'00"	95°51'30"	Alluvium	Brahmaputra
Panitola	83M3B4	Dug	0.62		27°29'35"	95°15'36"	Alluvium	Brahmaputra
Philobari	83M2C7	Dug	0.74	141.50	27°30'09"	95°40'05"	Alluvium	Brahmaputra
Rangagora Guijan	83M2B3	Dug	0.40		27°34'22"	95°19'46"	Alluvium	Brahmaputra
Tinsukia	83M3B2	Dug	0.75	127.37	27°28'30"	95°22'00"	Alluvium	Brahmaputra
Tipong	ASTS20	Dug	0.92	94.00	27°17'18"	95°51'36"	Alluvium	Brahmaputra
Tirap gate	83M3D2	Dug	0.80	148.80	27°19'52"	95°51'11"	Sandstone	Brahmaputra
Udalguri								
Bengbari	78N2D10	Dug	1.00	104.88	26°43'25"	91°59'00"	Alluvium	Brahmaputra
Bhalukmari	83B2A7	Dug	0.82	45.00	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	69.00	26°36'00"	91°56'00"	Alluvium	Brahmaputra
Madhupur	83B2A6	Dug	0.75		26°36'10"	92°14'20"	Alluvium	Brahmaputra
Orang	83B2B1	Dug	1.20	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	0.80	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
Manipur								
Bishnupur								
Kumbhi OW	83H3D4	Tube	0.67	777.86	24°29'00"	93°47'00"	Sandstone	Imphal
Maibam	83H2D4	Dug	0.80	749.15	24°40'30"	93°48'15"	Alluvium	Imphal
Chandel								
Khongsim	83L3A1	Dug	0.70		24°29'49"	94°01'12"	Alluvium	Imphal
Moreh	83L3B1	Dug	0.87		24°15'30"	94°18'30"	Alluvium	Imphal
Shairo	83H3D6	Dug	0.68	786.44	24°16'02"	93°52'41"	Alluvium	Imphal
Churachandpur								
Churachandpur	83H3C1	Dug	0.87	817.43	24°19'55"	93°41'00"	Alluvium	Imphal
Kongwai OW	83H3C3	Tube	0.50	780.95	24°26'24"	93°43'50"	Sandstone	Imphal
Saikot Tw	83H3C2	Tube	0.50	798.98	24°20'07"	93°43'46"	Sandstone	Imphal
Imphal East								
Jiribam	83H1A2	Dug	0.76	25.66	24°48'00"	93°07'00"	Sandstone	Imphal
Tengdongyem	83H1D5	Dug	0.74	807.79	24°54'27"	93°53'11"	Alluvium	Imphal
Imphal West								
Chaprau	83H1D3	Dug	0.83		24°54'19"	93°51'47"	Alluvium	Imphal
Imphal	83H1D2	Dug	0.38	783.62	24°48'26"	93°48'26"	Alluvium	Imphal
Lemakhong	83H1D6	Dug	0.70		24°55'58"	93°50'33"	Alluvium	Imphal

Village	Well No	Well Type	MP (magl)	RL (amsl)	Latitude	Longitude	Geology	River Basin
Lilong Pz	83H2D3	Tube	0.61	773.94	24°44'00"	93°56'00"	Sandstone	Imphal
Sekmai	83H1D1	Dug	0.70	824.18	24°57'30"	93°53'00"	Sandstone	Imphal
Senapati								
Motbung	83H1D4	Dug	0.70	891.15	24°59'52"	93°54'28"	Alluvium	Imphal
Tamenglong								
Kamrenga PZ	83H1A3	Tube	0.36	28.68	24°47'30"	93°09'00"	Sandstone	Imphal
Thoubal								
Kakching Pz	83L3A3	Tube	0.35		24°29'25"	94°00'06"	Sandstone	Imphal
Khongjom Pz	83L2A3	Tube	0.50		24°35'21"	94°03'13"	Sandstone	Imphal
Pangaltabi Pz	83H3D2	Tube	0.58	793.52	24°20'00"	93°57'00"	Sandstone	Imphal
Sugnu Pz	83H3D1	Tube	0.80	777.95	24°17'00"	93°55'30"	Sandstone	Imphal
Wabagai lamkhai	83H2D2	Tube	0.50	772.13	24°31'30"	93°58'30"	Sandstone	Imphal
Waikhong	83H3D5	Dug	0.50	786.15	24°25'14"	93°55'52"	Alluvium	Imphal
Waikhong Pz	83H3D3	Tube	0.61	785.25	24°30'00"	93°56'00"	Alluvium	Imphal
Wangbol	83L2A1	Dug	0.61	779.31	24°31'00"	94°00'55"	Sandstone	Imphal
Meghalaya								
East Garo Hills								
Baiza Rongreng	MLEG15	Dug	0.75		25°32'33"	90°35'06"	Sandstone	Meghna
Darugiri	78K2D2	Dug	0.77	338.00	25°37'09"	90°46'03"	Alluvium	Brahmaputra
Depa sarangma	78K1D4	Dug	0.80	63.95	25°52'00"	90°47'00"	Alluvium	Brahmaputra
Dobu	MLEG13	Dug	0.60	290.00	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	1.00		25°34'38"	90°31'37"	Sandstone	Meghna
Songsak	MLEG17	Dug	0.85	275.00	25°39'48"	90°36'37"	Sandstone	Meghna
Williamnagar	78K2C2	Dug	0.90	245.00	25°30'36"	90°31'10"	Alluvium	Meghna
East Khasi Hills								
Cherrapunji	78O3C1	Dug	0.20	1411.47	25°27'00"	91°49'00"	Gneiss	Meghna
Dangar	MLEK14	Dug	0.80	19.00	25°11'20"	91°22'53"	Quartzite	Brahmaputra
Dhankheti	MLEK08	Dug	0.86	1515.00	25°33'58"	91°53'34"	Quartzite	Brahmaputra
Golf Link	MLEK07	Dug	0.75	1440.00	25°34'55"	91°53'40"	Quartzite	Brahmaputra
Lachumiere	MLEK09	Dug	0.80	1586.00	25°34'14"	91°53'25"	Quartzite	Brahmaputra
Laitkor	MLEKHOW2	Dug	0.70	186.50	23°21'04"	91°53'33"	Quartzite	Brahmaputra
Lapalang	MLEKHOW5	Bore	0.42		25°34'09"	91°55'08'	Quartzite	Brahmaputra
Mawpat	MLEK11	Dug	0.54	1462.00	25°35'34"	91°55'09"	Quartzite	Brahmaputra
Nit Cherrapunji	MLEKHOW3	Bore	0.50	594.00	25°15'01'	91°44'39'	Quartzite	Brahmaputra
Nongmynsong	MLEK12	Dug	0.52	1437.00	25°34'47"	91°54'25"	Quartzite	Brahmaputra
Nongpyiur	MLEKHOW4	Bore	0.80	1772.00	25°32'31'	91°49'25'	Quartzite	Brahmaputra
Water Resources Dept	MLEKOW1	Dug	0.50	151.40	25°33'56"	91°53'46"	Quartzite	Brahmaputra
Jaintia hills								
Dauki	83C4A1	Dug	0.70	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
North Garo Hills								
Bajengdoba	78K1C2	Dug	0.97	272.00	25°53'10"	90°30'45"	Alluvium	Brahmaputra
Dainadubi	MLEG11	Dug	0.80		25°53'56"	90°46'39'	Sandstone	Brahmaputra
Kharkutta	78K1D7	Dug	0.93	43.00	25°54'20"	90°53'40"	Alluvium	Brahmaputra
Mendal	78K1B1	Dug	0.80	64.00	25°49'29"	90°27'57"	Gneiss	Brahmaputra

Village	Well No	Well Type	MP (magl)	RL (amsl)	Latitude	Longitude	Geology	River Basin
Mendipathar	78K1C1	Dug	0.72	58.22	25°55'15"	90°30'30"	Alluvium	Brahmaputra
Ri-Bhoi								
Byrnihat	MLRB02A	Dug	0.45	89.00	25°42'39"	92°01'22"	Sandstone	Brahmaputra
Lumkeni	MLRBOW7	Bore	0.60	683.00	25°46'37"	91°51'23"	Gneiss	Brahmaputra
Mawtari Myrdon	MLRBOW8	Bore	0.75	647.00	25°48'09"	91°50'47"	Gneiss	Brahmaputra
Nayabunglow	MLRB04	Dug	0.94	861.00	25°44'48"	91°53'12"	Gneiss	Brahmaputra
Nongladew	MLRBOW02	Bore	0.77	364.00	25°54'10"	91°42'04"	Granite Gneiss	Brahmaputra
Nongpoh	78O1D1	Dug	0.95	540.47	25°54'00"	91°53'00"	Gneiss	Brahmaputra
Pahanmawlier	MLRB06	Dug	0.80	322.00	25°59'41"	91°51'42"	Gneiss	Brahmaputra
Patharkhamma Barigaon	MLRB9	Dug	0.90	336.00	25°52'17"	91°35'41"	Gneiss	Brahmaputra
Purduwa	MLRBOW4	Bore	0.67	601.00	25°54'51"	91°56'29"	Gneiss	Brahmaputra
RPF Kyrdemkulai	MLRBOW9	Bore	0.60	788.00	25°44'57"	91°50'14'	Gneiss	Brahmaputra
Sohpdok	MLRBOW5	Bore	0.70	960.00	25°45'16"	91°57'56"	Quartzite	Brahmaputra
Tamanpahlong	MLRB	Dug	0.75	584.00	25°55'33"	91°56'41"	Gneiss	Brahmaputra
Tdohumshiw	MLRBOW6	Bore	0.65	1124.00	25°46'57"	92°01'06"	Quartzite	Brahmaputra
Umling	MLRBOW3	Bore	0.67	269.00	25°57'57"	91°51'33"	Gneiss	Brahmaputra
Umroi Maidan	MLRB8	Dug	0.40	904.00	25°43'06"	91°58'22"	Gneiss	Brahmaputra
Umsaw	MLRBOW1	Bore	0.57	338.00	25°52'43"	91°36'24"	Granite Gneiss	Brahmaputra
South West Garo Hills								
Ampati	78G3D1	Dug	1.50	33.11	25°30'00"	89°57'30"	Alluvium	Brahmaputra
Betasing II	ASWG25	Dug	0.70		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	1.00	17.51	25°18'00"	89°51'35"	Alluvium	Brahmaputra
Zikzak	78G3D5	Dug	0.84	38.00	25°23'28"	89°53'56"	Alluvium	Brahmaputra
West Garo Hills								
Asanang	78K2B1	Dug	0.77	441.00	25°35'58"	90°16'32"	Gneiss	Brahmaputra
Baljek	ASWG17	Dug	0.70	315.00	25°39'50"	90°16'32"	Alluvium	Brahmaputra
Belguri	ASWG21	Dug	0.70	79.00	25°57'50"	90°20'34"	Alluvium	Brahmaputra
Dalu	MLWG25	Dug	1.00	26.00	25°13'40"	90°12'45"	Sandstone	Brahmaputra
Damjongre	MLWG21	Dug	0.80	140.00	25°26'58"	90°02'12"	Sandstone	Brahmaputra
Nidanpur II	ASWG19	Dug	0.90		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	0.80	40.00	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	23.00	25°45'20"	89°58'51"	Alluvium	Brahmaputra
Rongram	ASWG18	Dug	0.90	334.00	25°50'39"	90°12'56"	Granite	Brahmaputra
Salsella	MLWG22	Dug	0.85	86.00	25°41'41"	90°00'50"	Sandstone	Brahmaputra
Snalgre	MLWG23	Dug	0.72	282.00	25°44'44"	90°24'06"	Sandstone	Brahmaputra
Tikrikilla	78K1A2	Dug	0.87	36.95	25°56'45"	90°14'40"	Alluvium	Brahmaputra
West Khasi Hills								
Mairang	78O2C1	Dug	0.30		25°34'40"	91°38'30"	Gneiss	Brahmaputra
Nagaland								
Dimapur								
3 Mile Bazar	NLDM19	Dug	0.90		25°52'50"	93°45'44"	Alluvium	Brahmaputra
7th Mile Colony	NLDM21	Dug	0.70		25°50'38"	93°46'27"	Alluvium	Brahmaputra
Bade Bazar	NLDM14	Dug	0.80		25°49'33"	93°41'07"	Alluvium	Brahmaputra

Village	Well No	Well Type	MP (magl)	RL (amsl)	Latitude	Longitude	Geology	River Basin
Bamunpukhri-1	83G9GM16	Tube	0.50		25°55'27"	93°46'00"	Alluvium	Brahmaputra
Chumukidema	83G1D1	Dug	0.85	191.90	25°48'00"	93°47'45"	Alluvium	Brahmaputra
DGM Colony	83G1C8	Tube	0.23	152.00	25°54'46"	93°42'55"	Alluvium	Brahmaputra
DGMoffice Dimapur	83G13GM10	Tube	1.20				Alluvium	Brahmaputra
Dhansiripar	83G1C5	Dug	0.80	168.54	25°46'00"	93°37'00"	Sandstone	Brahmaputra
Dimapur	83G1C2	Dug	0.70	152.26	25°54'20"	93°42'45"	Alluvium	Brahmaputra
Diphupar	NLDM22	Dug	0.85		25°51'52"	93°46'24"	Alluvium	Brahmaputra
Doyapur DMC	NLDM12	Dug	0.63		25°45'40"	93°36'02"	Alluvium	Brahmaputra
Industrial Estate	83G1C7	Dug	0.90	158.00	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	0.70		25°46'58"	93°37'25"	Alluvium	Brahmaputra
Marwari Colony	83G1C9	Dug	0.76	152.00	25°54'10"	93°43'45"	Alluvium	Brahmaputra
Purana Bazar	83G1C10	Tube	0.50	140.00	25°54'54"	93°44'58"	Alluvium	Brahmaputra
Rilayan Colony	NLDM24	Dug	1.19		25°54'10"	93°41'04"	Alluvium	Brahmaputra
Seirujha Colony Chumukedima	83G9GM11	Tube	1.00		25°48'01"	93°45'43"	Alluvium	Brahmaputra
Singrijan	83G1C6	Dug	0.66		25°50'00"	93°43'00"	Sandstone	Brahmaputra
Thilaxu Block-II	NLDM16	Dug	0.61		25°52'38"	93°44'15"	Alluvium	Brahmaputra
Zakesatho Colony	NLDM23	Dug	0.85		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	1590.00	25°39'00"	94°06'25"	Sandstone	Brahmaputra
NLSA Complex	83K2A2	Tube	0.50	1310.00	25°43'02"	94°06'31"	Sandstone	Brahmaputra
Sepfuzou Colony	83K2A3	Dug	0.76	1425.00	25°41'03"	94°06'22"	Sandstone	Brahmaputra
Mokokchung								
Lampi	83J3B1	Tube	0.50	189.91	26°27'30"	94°22'10"	Sandstone	Brahmaputra
Mon								
Mon Town	83N2GM14	Tube	0.80				Alluvium	Brahmaputra
Namsa	83J1D1	Dug	0.73	125.83	26°51'30"	94°56'30"	Alluvium	Brahmaputra
Phek								
Phek Town	83K6GM13	Tube	0.80				Alluvium	Brahmaputra
Tuensang								
Tuensang	83J16GM12	Tube	0.90				Alluvium	Brahmaputra
Wokha								
New Market	83J4B2	Dug	0.41	1365.00	26°05'39"	94°15'23"	Sandstone	Brahmaputra
Tourist Lodge	83J4B1	Dug	0.80	1370.00	26°06'20"	94°15'26"	Alluvium	Brahmaputra
Wokha Town	83N2GM15	Tube					Alluvium	Brahmaputra
Tripura								
Dhalai								
Abhanga N	TRDL04	Dug	0.77	58.70	24°03'14"	91°49'51"	Alluvium	Meghna
Ambassa N	TRDL06	Dug	0.92	58.89	23°54'55"	91°52'00"	Alluvium	Meghna
Darlang Basti	TRDL02	Dug	0.90		24°06'43"	92°11'54"	Alluvium	Meghna
Durga Chowmuhani	TRDL01	Dug	0.80		24°06'43"	92°11'54"	Alluvium	Meghna
Kamalpur	78P4D1	Dug	0.66	32.59	24°12'15"	91°50'30"	Alluvium	Meghna
Manu N	TRDL05	Dug	0.95	39.50	24°00'00"	91°59'00"	Sandstone	Meghna
Sindhu Kumar	TRDL07	Dug	0.90		23°57'09"	91°57'38"	Sandstone	Meghna
Gomati								

Village	Well No	Well Type	MP (magl)	RL (amsl)	Latitude	Longitude	Geology	River Basin
Amarpur	TRST05	Dug	0.89		23°30'49"	91°39'24"	Alluvium	Meghna
Ampi Colony	TRST07	Dug	0.85		23°40'17"	91°38'30"	Alluvium	Meghna
Bampur	TRST 06	Dug	0.96		23°33'44"	91°38'07"	Alluvium	Meghna
Dhawaj nagar, Udaipur	79M2B8	Dug	1.36		23°32'55"	91°28'35"	Alluvium	Meghna
Garjee Bazar	79M3B4	Dug	0.80	32.62	23°25'36"	91°13'21"	Alluvium	Meghna
Jatanbari	TRGM01	Dug			23°25'12"	91°45'30"	Alluvium	Meghna
Kankraban	TRST12	Dug	0.87		23°29'43"	91°24'49"	Alluvium	Meghna
Naobari	TRST04	Dug	0.83		23°30'43"	91°33'57"	Alluvium	Meghna
Khowai								
45miles	TRKH01	Dug	0.70		23°57'09"	91°57'38"	Alluvium	Meghna
Bagan Bazar	TRWT33	Dug	0.92		23°58'13"	91°37'4"	Sandstone	Meghna
Kalyanpur	79M1C2	Dug	0.92	41.71	23°55'00"	91°36'40"	Alluvium	Meghna
Khowai	78P4C5	Dug	0.72		24°04'55"	91°36'58"	Alluvium	Meghna
Paschim Hawaii bar	TRWT34	Dug	0.70		23°48'36"	91°35'31"	Alluvium	Meghna
Tuimadhu	TRWT37	Dug	0.96		23°50'06"	91°41'11"	Alluvium	Meghna
North Tripura								
Bagbassa N	TRNT10	Dug	0.95		24°20'26"	91°13'07"	Alluvium	Meghna
Churaibari	TRNT23	Dug	0.96		24°26'29"	92°14'16"	Alluvium	Meghna
Deocherra	TRNT25	Dug	0.88		24°18'37"	92°09'35"	Alluvium	Meghna
Dharmanagar	83D3B2	Dug	1.47		24°16'00"	92°16'00"	Alluvium	Meghna
Kanchanpur	84A1A1	Dug	0.50	87.86	23°55'00"	92°12'00"	Sandstone	Meghna
Krishnapur	TRNT19	Dug	1.35		24°20'22"	92°09'28"	Alluvium	Meghna
Kunjanagar	TRNT21	Dug	1.07		24°14'44"	92°12'20"	Alluvium	Meghna
Lalchhara	TRNT22	Dug	0.90		24°25'57"	92°11'22"	Alluvium	Meghna
Laljuri	TRNT15	Dug	0.87		24°06'43"	92°11'44"	Alluvium	Meghna
Naba Joypara (natun Basti)	TRNT20	Dug	0.78		24°10'30"	92°12'59"	Alluvium	Meghna
Panisagar	83D4A1	Dug	0.78	41.60	24°14'30"	92°11'00"	Alluvium	Meghna
Rajnagar	TRNT13	Dug	0.84		24°19'14"	92°07'05"	Alluvium	Meghna
Sanicherra	TRNT24	Dug	0.92		24°23'01"	92°13'57"	Alluvium	Meghna
Satnala	TRNT16	Dug	1.05		24°08'00"	92°09'05"	Alluvium	Meghna
Sipahi-Jala								
Bishalgarh	79M2B1	Dug	0.78	16.28	23°41'00"	91°17'00"	Alluvium	Meghna
Dakshin Kalamcherra	TRWT04A	Dug	0.96		23°34'25"	91°12'33"	Alluvium	Meghna
Golaghati	TRSJ01	Dug	0.85		23°40'38"	91°21'37"	Alluvium	Meghna
Gongrai	TRWT36	Dug	0.55		23°39'24"	91°27'14"	Alluvium	Meghna
Kathalia bazar	79M3B5	Dug	0.75	13.76	23°23'00"	91°19'00"	Alluvium	Meghna
Kenania	79M2A2	Dug	0.84	20.72	23°44'00"	91°11'00"	Alluvium	Meghna
Sonamura I	79M3B6	Dug	0.81		23°28'00"	91°16'30"	Sandstone	Meghna
Tufaniamura	TRWT35	Dug	0.72		23°41'55"	91°24'25"	Alluvium	Meghna
South Tripura								
Gardhang	TRST11	Dug	0.74		23°17'50"	91°31'57"	Alluvium	Meghna
Hrishyamukh	79M4C4	Dug	0.80	23.64	23°08'30"	91°32'00"	Alluvium	Meghna
Jhajhari	TRST08	Dug	0.77		23°13'49"	91°29'31"	Alluvium	Meghna
Kalachhara	TRST10	Dug	0.90		23°08'27"	91°37'38"	Alluvium	Meghna
Kashari	TRST24	Dug	0.85		23°17'46"	91°23'17"	Alluvium	Meghna
Manu Bazar	TRST 9	Dug	0.66		23°03'51"	91°38'55"	Alluvium	Meghna
Manurmukh	TRST03A	Dug	1.00		23°15'56"	91°29'17"	Alluvium	Meghna

Village	Well No	Well Type	MP (magl)	RL (amsl)	Latitude	Longitude	Geology	River Basin
Radhanagar	TRST15	Dug	0.88		23°13'32"	91°19'46"	Alluvium	Meghna
Rajnagar	TRST14	Dug	1.35		23°13'56"	91°23'30"	Alluvium	Meghna
Rangamura	TRST25	Dug	0.90		23°15'47"	91°19'31"	Alluvium	Meghna
Sabroom	79M4C1	Dug	0.83	18.75	23°57'30"	91°43'30"	Sandstone	Meghna
Santirbazar Purba	TRST13	Dug	0.77		23°19'03"	91°35'13"	Alluvium	Meghna
Unakoti								
Chandramanikami	TRNT18	Dug	0.90		24°06'43"	92°11'54"	Alluvium	Meghna
Gauranagar N	TRNT11	Dug	0.79		24°19'30"	92°01'00"	Sandstone	Meghna
Jarutali	TRNT27	Dug	0.75		24°15'15"	91°59'09"	Alluvium	Meghna
Kanchanchhera	TRNT12	Dug	0.74		24°05'08"	92°00'09"	Alluvium	Meghna
Karaicherra	TRNT14	Dug			24°08'24"	92°09'05"	Alluvium	Meghna
Kumarghat	83D4A6	Dug	0.32		24°08'00"	92°03'00"	Sandstone	Meghna
Panchamnagar	TRNT17	Dug	0.85		24°06'43"	92°11'54"	Alluvium	Meghna
Pecharthal	83D4A7	Dug	0.68		24°11'57"	92°06'21"	Alluvium	Meghna
West Tripura								
Badharghat DTW	TRWT25	Tube	0.63		23°48'10"	91°16'17"	Alluvium	Meghna
Bodhjanagar Dtw	TRWT19	Tube	0.75		23°52'19"	91°20'41"	Alluvium	Meghna
Bodhjanagar Stw	TRWT20	Tube	0.95		23°52'58"	91°21'55"	Alluvium	Meghna
Champanagar1	TRWT39	Dug	0.80		23°48'32"	91°28'32"	Alluvium	Meghna
East Narayanpur	TRWT40	Dug	0.87		23°53'25"	91°14'48"	Alluvium	Meghna
Ishanpur	TRWT31	Dug	0.80		24°02'43"	91°23'57"	Alluvium	Meghna
Lichubagan STW	TRWT22	Tube	0.58		23°52'16"	91°17'25"	Alluvium	Meghna
Mohanpur2	TRWT38	Dug	0.63		23°58'18"	91°22'22"	Alluvium	Meghna
Nagicherra1	TRWT29	Tube	0.55		23°00'13"	91°19'49"	Alluvium	Meghna
Nagicherra2	TRWT30	Tube	0.63		23°48'13"	91°19'49"	Sandstone	Meghna
Narsingharh DTW	TRWT28	Tube	0.70		23°54'15"	91°14'49"	Alluvium	Meghna
Simna	78P4B1	Dug	0.79	23.77	24°02'00"	91°24'30"	Sandstone	Meghna
Sipoyjala	79M2B7	Dug	0.68		23°41'30"	91°20'15"	Alluvium	Meghna
Subalsingh	TRWT32	Dug	0.64		24°00'17"	91°27'26"	Alluvium	Meghna
Suryamaninagar DTW	TRWT23	Tube	0.64		23°45'44"	91°15'46"	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
32	Kamrup (M)	Patgaon	ASKMG32	Dug Well	26° 05' 52.80"	91° 36' 06.48"	0.65

S.No	Dist	Location	Well No	Well Type	Latitude	Longitude	MP (magl)
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

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

State/District/Location	Well No.	MP (magl)	Mar-17	Aug-17	Nov-17	Jan-18
			(depth to WL in mbgl)			
Arunachal Pradesh						
Changlang						
Jairampur	92A4A1	1.10	1.32	0.44	3.9	3.36
Namchik	92A3A1	1.20	4.57	1.61	3.03	4.46
Namphai	92A3A2	0.70	NA	1.8	1.96	2.96
Newlisan Kharsang	92A2A1	1.00	3.01	1.34	1.95	3.76
East Siang						
Oyen	ARES12		NA	3.71	7.07	9.08
Pasighat New	ARES02A	0.29	10.45	3.39	6.8	10.26
Pasighat-II	ARES15	0.70	10.82	1.77	6.38	9.43
Ruksin	ARES11	0.95	NA	0.65	1.11	2.15
Satmile	ARES17	0.37	NA	1.3	1.63	2.55
Sika Baman Todee	ARES14	0.91	NA	NA	0.96	2.15
Lohit						
Lathow	83M2D1	0.86	4.52	2.62	3.27	3.74
Lower Subansiri						
Bomte	ARLSO3	1.27	1.51	0.73	0.96	1.58
Rajgarh	ARLSO2	0.83	7.71	0.85	1.63	4.81
Papumpare						
Banderedewa I	ARPP04	0.57	11.83	11.57	13.39	11.24
Chimpu	ARPP13	0.38	4.2	1.29	2.2	3.43
Doimukh	83E4D5	0.74	1.1	0.53	0.71	0.86
Itanagar I	ARPP10	0.80	3.35	1	1.21	2.6
Kimin	83E3D2	0.95	1.25	1.07	1.21	0.92
Naharlagun I	ARPP08	0.55	NA	4.87	5.37	5.89
Nirjuli Vill IIA	ARPP06	0.80	0.33	0.38	0.05	0.95
Nirjuli Vill IIB	ARPP07	1.02	0.73	0.5	0.55	0.1
Sonajuli	83E4C1	0.62	3.16	1.43	1.85	2.87
Tirap						
Borduria	83M4B3	0.98	5.59	3.78	1.97	6.28
Deomali	83M4C1	0.87	4.13	2.95	3.75	5.29
Hukanjuri	83M4B4	0.82	7.9	3.71	5.54	9.74
Baksa						
Jhargaon	ASBS01	0.95	2.95	2.12	1.99	2.4
Tamulpur	78N2C1	0.86	3.1	1.49	2.57	NA
Barpeta						
Bhawanipur	78N3A1	0.80	NA	NA	1.1	NA
Daulasal	ASBP14	1.07	5.13	2.5	2.59	4
Daulasal OW	ASBP15	0.80	3.36	1.3	3	7.15
Dhupguri(Galia)	ASBP13	0.98	NA	NA	2.7	2.6
Nityanada OW	ASBP18	0.70	5.8	2.9	1.8	5.95
Patacharkuchi	ASBP16	1.00	NA	2.15	1.4	6.31
Sarupeta	78N3A6	0.76	4	1.78	1.81	3.1
Sorbhog	78J3D4	0.82	3.48	1.5	1.03	1.92
Ujanborbori	78N2A2	1.20	5	1.68	1.1	1.2
Bongaigaon						

State/District/Location	Well No.	MP (magl)	Mar-17	Aug-17	Nov-17	Jan-18
			(depth to WL in mbgl)			
Abhayapuri	78J3C2	1.04	4.34	3.75	2.3	3.2
Baitamari	78J3C1	0.86	4.8	2.15	1.65	2.68
Bongaigaon New	78J3C9	0.83	2.84	1.8	1.08	1.77
Chalantapara	78J3C4	1.10	9.38	2.15	7.1	8.3
Chapprakata	78J3C7	0.92	4.64	2.5	1.28	1.95
Chapprakata (Dankinamari)	ASBN10	0.65	1.72	1.5	1.47	1.52
Majgaon	ASBN11	0.90	4.2	2.15	1.64	2.92
Manikpur	78J3D1	1.00	3.03	1.85	1.28	2.31
Medhipara(Deo)	78J3C6	0.44	3.23	2.32	1.86	2.8
North Salmara	78J3C8	0.65	5.35	3	3.55	4.3
Cachar						
Atalbasti	ASCR35	0.86	5.62	2.45	3.67	4.76
Badribasti	83D1D7	1.00	3.06	1.2	1.22	1.86
Borjalinga	83D2D1	1.00	0.32	0.52	0.46	0.24
Borkhola	83D1C8	0.65	1.35	1.18	1.16	0.98
Dargakuna	ASCR25	0.73	1.13	0.02	0.98	1.03
Digharkhal	83D1C3	0.85	4.24	0.97	1.31	3.67
Fulertol	ASCR37	0.70	2.8	0.01	0.4	1.64
Gosaiपुर Part-II	ASCR34	0.92	1.67	0.61	0.71	0.75
Hilara	ASCR26	0.58	3.36	1.38	NA	NA
Kalain	83D1C14	0.60	1.77	0.02	0.03	1.49
Katigora	ASCR27	0.85	3	1.4	1.3	1.36
Masimpur	ASCR23	0.60	0.66	0.28	0.41	0.47
Moinarbond	83D1D6	1.00	4.13	0.26	0.78	3.28
Nagdirgram	ASCR39	0.65	2.17	0.86	0.86	1.01
Palanghat	83D2D10	0.90	1.38	0.29	0.4	0.74
Poilapul	83H1A9	0.85	1.75	1.05	1.01	1.07
Razabazar	83H1A7	0.75	9.17	2	2.01	2.04
Shivachal	ASCR28	0.75	3.26	0.98	1.13	1.82
Shivtila	83H1A4	0.85	4.72	0.17	0.94	2.21
Silcoorie	ASCR38	0.85	0.7	0.2	0.28	0.59
Tarapur	ASCR32	1.15	0.23	0.29	0.11	0.02
Chirang						
Bijni	78J3C5	0.90	3.6	2.48	1.9	2.3
Darrang						
Bhakatpara Ow	ASDR33	0.65	5.8	2.93	2.8	5
Dalgaon	83B2A2	0.73	5.07	NA	3.07	3.79
Gelabil (Thelamara)	83B2B6	0.73	3.9	3	1.9	2.7
Goroibari	ASDR31	0.46	1.91	1.95	1.31	1.9
Majgaon OW	ASDR34	0.55	4.18	NA	2.78	4.3
Majgaon-II	ASDR30	0.94	5.96	NA	2.86	4.6
Mangaldoi	83B3A1	0.65	5.8	3.32	2.79	3.98
Mangaldoi II	83B3A3	0.83	4.65	2.2	2.68	3
Thekerabari .1	83B2A1	0.91	4.87	6.2	2.7	3.93
Dhemaji						
Bhagaban charali	83I2D2	1.05	9.35	5.47	7.05	8.8
Bijoypur	83M1A3	1.00	2.41	0.27	0.85	1.9
Bokabil Ow	ASDM24	0.80	3.48	1.21	1.9	2.86
Bordoloni	83I3B1	1.25	0.24	NA	NA	NA

State/District/Location	Well No.	MP (magl)	Mar-17	Aug-17	Nov-17	Jan-18
			(depth to WL in mbgl)			
Chengali Pather Ow	ASDM23	0.76	2.15	NA	NA	NA
Dekapam	ASDM21	0.50	2.07	0.68	1.13	1.8
Dhemaji 1	83I3C1	0.99	NA	0.37	NA	1.27
Dhemaji 2	ASDM 23	1.21	NA	NA	0.52	NA
Dipa	83I2D3	0.95	5.91	2.51	2.51	5.21
Gogamukh Hss Ow	ASDM25	0.76	3.52	1.02	2.51	2.72
Jonai Murkongselek	83M1A1	0.80	2.08	0.92	1.26	1.69
Moridhal	ASDM27	0.97	2.6	0.67	1.28	2.43
Santipur	ASDM28	0.60	3.19	1.2	1.84	3.02
Sisibargaon	83I2C2	0.97	2.45	0.5	1.03	1.78
Telem	83M2A1	1.01	4.85	1.07	1.62	3.23
Dhubri						
Bagaribari	78J4A4	0.81	14.75	17	13.09	14.75
Balajan	ASDH15	0.83	4.1	2.83	1.15	2.56
Bahalpur	78J3B4	1.00	4.63	0.95	2	3.9
Bilasipara	78J4A1	0.85	3.65	3.56	1.65	NA
Chapar	78J3B2	0.90	4.7	3.6	3.56	4.25
Dakhin Tokesara	ASDH16	1.36	3.79	2	1.94	2.85
Dhubri Town	78F4D4	1.00	NA	1.95	1	2.85
Matiabag	ASDH19	0.73	5.7	2.34	2.5	2.6
Panbari	78J4A2	0.86	NA	15.36	17.94	19.5
Rupshi	78F4D3	0.90	4.9	2.45	3.09	4.4
Sharpamari Beat	ASDH13	0.91	16.93	13.53	14.19	15.05
Sonamukhi	ASDH14	0.35	2.15	3.87	0.45	1.05
Tipkai	78J3A2	0.66	NA	1.73	NA	NA
Dibrugarh						
AMC Campus	ASDB14	0.66	3.43	1.02	1.65	3.52
Azarguri gaon	83I3D4	0.64	3.88	2.36	2.95	4.07
Bamunbari	83I4D4	0.80	3.77	1.12	2.62	1.52
Barbaruah	83I3D6	1.05	4.82	2.54	3.24	4.89
Chabua	83M3A2	0.59	5.8	2.6	2.17	5.32
Dikom	83M3A1	0.68	4.97	3.47	3.92	5.12
Domar Dolong Tw	ASDB12	1.00	3.27	0.72	2.87	2.78
Jaipur Naharani	83M3A4	0.80	NA	NA	0.81	NA
Lepetkata	ASDB13	0.80	2.78	0.45	0.45	NA
Melengial PWSS	ASDB15	0.82	3.3	NA	NA	5.22
Goalpara						
Agial	78J4C3	0.95	5.31	2.06	2.12	4.01
Agia2	ASGP21	0.65	5.62	2.32	2.61	3.69
Baida	78J4B3	0.70	4.67	1.93	1.76	3.92
Bhalukdubi (Goalpara)	ASGP15	0.80	8.1	3.26	2.96	7.25
Damra	78K1D8	0.90	6.2	4.11	4.09	4.52
Dudhnai	78K1D1	0.75	3.12	1.56	1.51	2.96
Dudhnoi II	ASGP17	0.75	NA	2.12	2.1	3.92
Dwarka	ASGP19	0.90	4.12	1.56	1.49	3.09
Krishnai New	78J4C1	0.80	4.42	2.22	2.19	3.06
Pattarpara	ASGP22	0.70	3.12	1.23	1.31	2.82
Rongjuli	78K1D2	0.30	3.21	1.01	0.9	3.02
Salpara	ASGP16	0.70	3.26	2.1	2.19	3.11

State/District/Location	Well No.	MP (magl)	Mar-17	Aug-17	Nov-17	Jan-18
			(depth to WL in mbgl)			
Sarapara	ASGP23	0.85	3.05	1.86	1.82	2.51
Teuli	ASGP20	0.60	5.82	3.86	3.82	4.28
Golaghat						
Bokakhat	83F2C2	0.53	NA	2.98	1.85	2.75
Bokakhat I	ASGL12	0.70	4.39	NA	NA	NA
Bongaon	ASGL11	0.66	NA	4.85	NA	NA
Butalikua	ASGL16	0.95	7.2	3.87	NA	4.1
Gaghibari Namghar	ASGL10	0.82	2.54	1.9	1.82	2.38
Garampani	ASGL15	0.75	10.7	5.02	7.35	6.9
Garigaon	ASGL17	1.00	6.2	1.14	1.58	NA
Haldibari Buri Ai	ASGL13		4.92	3.97	1.95	3.9
Kohra kaziranga	83F2B1	1.10	10.98	7.89	7.75	4.28
Oating	83J3A1	0.75	6.26	3.64	3.45	6.15
Hailakandi						
Burakhai	ASHL08	0.80	1.46	2.02	0.38	0.2
Katlicherra N	ASHL02A	0.20	1.21	0.44	0.44	0.47
Monacherra	83D2C3	0.89	1.27	0.94	0.86	0.8
Panchgram New	ASHL05A	0.90	8.98	0.69	0.71	3.95
Syedband Part II	ASHL01A	0.90	1.92	NA	0.2	0.38
Jorhat						
Bijay Nagar	ASJR33	0.41	1.24	1.1	1.33	NA
Cinemora	ASJR18	0.53	2.74	2.32	1.83	2.11
Dabarapara charali	83J2B3	0.85	2.72	1.74	1.99	2.6
Kamarbandha	ASJR34	1.25	NA	3.5	1.01	NA
Kokilamukh	83J1A3	0.51	4.05	1.6	1.59	3.7
Kunwari Pukhuri	ASJR35	0.55	2.98	2.36	1.49	1.75
Lichubari	ASJR21	0.92	1.26	1.02	1.21	NA
Meleng Kaparadharia	ASJR28	0.75	2.64	1.6	NA	1.62
Sodial Kacharigaon	ASJR22	1.08	2.02	1.4	1.55	1.58
Titabor	83J2A7	0.35	2.46	1.72	3	0.75
Kamrup						
Abhaipur	ASKM44	0.90	1.58	NA	1.45	0.85
Agyathuri	78N4C2	0.85	7.3	NA	2.53	5.3
Alikash Adarsh	78N4C16	1.05	5.15	NA	3	2.54
Bamunigaon I	78N4B3	0.70	4.42	2.12	2.42	4.09
Boko	78O1A1	0.87	NA	2.03	NA	3.96
Boko I	ASKM39	0.75	6.77	NA	2.21	NA
Chhaygaon	ASKM41	0.90	5.56	2.06	2.1	3.82
Darkuchi	78N2C4	0.72	4.26	NA	NA	4.2
Dhobartari	ASKM45	0.81	4.2	NA	NA	1.88
Dora Kahara	ASKM47	0.62	4.45	2.29	NA	4.25
Hajo	78N4C5	0.82	2.38	1.05	0.68	1.1
Kachkatchi	ASKM49	0.61	4.1	3.2	2.8	3.1
Mirza	ASKM42	0.80	6.52	2.96	2.92	4.95
Rajapara	78O1A3	0.80	3.37	1.98	1.39	3.01
Rangia	78N3C1	0.85	1.95	1.1	0.76	1.25
Sualkuchi	78N4C11	0.87	2.06	1.39	1.08	1.62
Tarani	ASKM48	0.85	NA	NA	NA	2.5
Kamrup Metro						

State/District/Location	Well No.	MP (magl)	Mar-17	Aug-17	Nov-17	Jan-18
			(depth to WL in mbgl)			
Amingaon	ASKM46	0.80	4.8	NA	2.9	3.77
Bamfor	ASKM50	0.96	3.98	2.1	2.05	2.5
Dirgheswari	78N4C12	0.93	3.27	NA	NA	3.6
Khetri II	ASKM51	0.60	3.23	1.68	1.8	2.2
Rani I	78N4C9	0.90	3.12	1.45	1.36	3.52
Rani2	ASKM43	0.85	3.69	1.09	1.07	3.11
Samanta Pathar	ASKM36A	0.92	3.98	2.25	2.1	2.1
Sonapur	83B4A2	0.85	3.1	1.1	1.9	2.34
Sonapur II	ASKM52	1.00	3.54	1.58	2.1	2.42
Topatoli	83B4A4	0.98	3.23	3.23	2.5	3.2
Topatoli New	ASKM35A	0.50	3.5	3.5	2.65	3.12
Karbi Anglong						
Adarkha Tiniali	ASKA44	0.87	3.48	2.32	NA	2.55
Amlokhi	ASKA53	1.35	NA	2.02	1.67	2.31
Balipathar	83F4D3	0.90	3.76	2.1	2.93	3.3
Bokajan I	ASKA41	0.75	NA	6.34	7.57	4.1
Bokajan II	ASKA42	0.60	5.2	3.29	3.97	4.7
Bokoliaghat	ASKA34	1.00	4.7	3.18	3.53	6.9
Bokulia	83G1C3	0.69	3.89	3.5	2.5	3.5
Dengaon R10	ASKA33	0.95	NA	NA	NA	5
Dengaon R5	83B4D7	0.93	4.1	3.58	2.4	2.35
Dentaghat	83F3A1	0.90	4.65	4.65	3.2	3.4
Deopani	83F4D4	1.05	7.1	3.23	3.68	11.4
Dillai	83G1C4	0.69	NA	4.1	3.8	6.8
Diphu	83G1B1	0.79	NA	18.9	NA	9.7
Diphul	ASKA54	1.17	4.57	NA	3.49	3.9
Dishobai	ASKA35	0.67	3.32	2.08	2.45	3.05
Donkamokam	83C1C1	0.95	6.65	5.68	3.12	3.62
Habranrangapar	83F4A7	0.95	5.6	2.35	2.45	2.75
Hidipi	83F4C1	0.80	4.3	2.43	3.11	6.6
Kalonga	83C1D2	0.77	6.5	5.8	3.23	3.5
Khatkhati	ASKA50	0.54	NA	2.12	2.25	5.79
Khatkhati	83G1D3	0.79	7.14	NA	3.25	3.2
Kheronighat	83C1D3	0.88	7.12	6.32	5.2	5.3
Lahorijan	ASKA51	0.75	8.32	7.1	6.75	3.5
Lakhijan	ASKA52	0.99	5.69	3.8	3.95	5.1
Langhing	ASKA32	0.84	5.21	2.7	3.2	NA
Manikpur	83F4A6	0.87	6.2	6.25	4.23	4.52
Manja Bus Stand	ASKA39	0.20	2.11	7.04	7.6	3.1
Mohendijua	ASKA38	1.00	12.78	6.1	4.01	4.35
Phonglangso	ASKA36	0.92	8.42	4.82	5.37	2.8
Phuloni	83F4A2	0.94	7.08	6.54	2.1	3.8
Saphapani	ASKA45	0.89	7.58	2.2	2.45	4.51
Sidharampur	ASKA48	0.87	6.56	2.04	3.88	3.88
Silanijan	83F3D1	0.80	NA	6.29	5.26	5.35
Swarghati	ASKA31	0.63	3.5	3.5	3.6	3.6
Terangaon	ASKA37	1.00	3.04	3.02	2.7	NA
Karimganj						
Badarpur	83D1C1	0.65	2.99	0.91	0.96	1.43

State/District/Location	Well No.	MP (magl)	Mar-17	Aug-17	Nov-17	Jan-18
			(depth to WL in mbgl)			
Dhulia	83D2B6	0.60	0.02	NA	0.07	0.11
Hatikira	83D3B1	0.66	1.6	0.54	NA	1.07
Karmganj	ASKG15	0.90	1.05	0.39	0.37	0.58
Kayasthagram	ASKG16		1.03	0.45	0.46	0.74
Patharkandi	ASKG17		1.21	0.64	0.67	0.88
Rk Nagar I	83D2B4	0.90	2.18	0.99	0.77	0.81
Sarkaribari	83D2B7	0.85	1.49	0.95	0.82	0.84
Lakhimpur						
Amguri	ASLK23	1.00	4.73	1.33	1.57	3.92
Bhogpur charali	83E4D1	0.82	1.89	1.06	1.3	1.88
Bihpuria	83E4D4	0.87	3.53	NA	NA	2.65
Borbil Tariyani	ASLK29	0.82	NA	1.24	1.44	1.8
Dejoo	ASLK24	1.03	2.1	1.03	1.2	1.73
Dolanghat chara	83I4A3	0.46	2.92	1.08	1.36	1.36
Harmoti	83E4D6	1.00	3.28	0.72	2.91	2.78
Islampur	83E4D3	0.90	4.9	2.52	2.84	4.06
Kadam	83I3A3	0.75	1.25	0.5	0.83	NA
Koilamari 6 No Line	ASLK31	0.95	5.65	3.03	NA	4.76
Laluk	83E4D2	1.12	2.08	0.77	0.94	1.48
Madhupur	ASLK22	0.90	0.93	0.38	0.61	0.7
Milanpur	ASLK26	0.80	3.33	0.73	1.1	2.24
Moridirgha	ASLK30	1.47	1.11	0.44	0.68	1.12
N.lakhipur(old)	83I4A1	1.12	2.15	0.91	1.49	1.75
Narayanpur	83F1D4	1.14	2.71	0.51	0.68	2.23
Panigaon	83I4A2	0.90	NA	NA	1.74	NA
Pathalipam	83I3B6	0.99	3.51	1.63	2.47	3.11
Pathalipam II	ASLK25	0.96	5.63	2.42	2.18	NA
Morigaon						
Baghara	83B4B2	0.92	5.5	1.54	2.38	2.38
Baropujia	ASMR14	0.98	5.2	5.2	3.23	3.23
Barukati	ASMR27	0.44	3.2	3.2	3.1	3.1
Barukati Ow	ASMR23	0.72	NA	3.2	1.6	NA
Basanaghat Ow	ASMR19	0.80	NA	NA	NA	1.6
Daponibari Ow	ASMR18	0.80	5.6	5.6	3.65	3.65
Deosal	ASMR12	0.94	4.4	4.4	3.2	3.2
Dharamtul	ASMR29	0.80	9.9	9.9	3.5	4.12
Garmari gaon	83B3A4	1.00	5.5	5.5	4.2	4.2
Jagiroad	83B4A1	0.62	4.45	4.45	2.5	2.7
Kumoi	ASMR15	1.13	6.7	6.7	2.01	3
Moirabari	ASMR25	0.98	NA	NA	4.7	NA
Morigaon	83B3B10	0.92	2.86	2.86	2.1	2.3
Nelle New	ASMR11	0.84	7	3.12	3.88	6.2
Pubbarbhagia	ASMR24	0.84	4.25	4.25	2.5	3.2
Pamibahua	ASMR16	0.92	NA	NA	3.3	3.6
Shugumbari	ASMR17	1.20	NA	NA	2.12	3.21
Solmari Ow	ASMR21	0.72	7.8	7.8	NA	NA
Amsoi	83B4B5	0.77	3.25	3.25	NA	1.78
Balijan Ow	ASNG42	0.50	3.6	3.6	2.3	3.23
Bamuni tinali	83B3D9	1.41	5.9	5.9	2.2	2.6

State/District/Location	Well No.	MP (magl)	Mar-17	Aug-17	Nov-17	Jan-18
			(depth to WL in mbgl)			
Beldonga mandir	83B4D8	0.84	3.98	3.98	2.1	3.25
Bichamari	83B3B1	0.87	4.65	4.65	2.32	3.2
Borchukhaba	83B3B5	1.04	4.5	4.5	2.4	2.4
Bordowa	83B3C2	1.01	3.2	3.2	1.89	2.5
Dakhinpath OW	ASNG44	0.72	4.1	4.1	2.56	4.3
Dalapani	ASNG39	0.90	4.69	4.69	3.2	3.6
Dhing	83B3B6	0.49	5.2	5.2	2.7	3.45
Doboka	83B4D1	0.80	5.1	5.1	2.5	4.2
Ghasibasti Ow	ASNG46	0.40	6.54	6.5	3.65	4.25
Gomotha	ASNG34	0.85	4.1	4.1	2.19	3.25
Haldiati sub bt	83B4D6	0.89	4.1	4.1	3	3.2
Hatibatha	ASNG35	0.68	3	3	2.1	4
Jurapukhuri	83C1D7	0.84	7.1	7.1	5.9	6.1
Kathiatoli	83B4C4	0.94	2.5	2.5	1.52	1.9
Lanka	83C1D1	0.72	7.45	7.45	5.98	6.15
Lumding	83G1A1	0.70	NA	11.5	6.8	8.12
Nadeorigaon	83B4D2	0.83	11.5	NA	NA	NA
Natali	ASNG37	0.66	3.5	3.5	2.3	2.53
Pahukata	ASNG36	0.91	4.65	4.65	NA	3.6
Phulaguri R5	ASNG41	0.80	2.65	2.65	2.2	3.2
Phulaguri R6	83F2A5	0.37	5.62	NA	5.35	NA
Samuguri	83B3D7	0.70	5.1	5.1	2.3	NA
Silghat	83B2D6	0.96	5.6	5.6	3.12	4.25
Sulung p.o.	83B3D8	0.74	5.4	5.4	2.45	4.2
Telia bebejia	83B3C7	0.50	6.1	6.1	3.23	4.5
Tirchang	ASNG47	0.85	NA	NA	NA	5.2
Zebra Khua	ASNG33	0.85	NA	NA	NA	4.2
Nalbari						
Tihu	78N3B3	0.93	3.97	1.8	1.43	NA
Bandarmari	83I4C14	0.87	3.98	1.26	1.51	3.16
Sibsagar						
Borkulanagar	ASSA07	0.82	NA	3.28	NA	6.38
Demow Sukan	83I4C11	0.70	5.5	2.31	1.81	4.6
Garbhaga Pwss	ASSA06	0.85	1.9	0.26	NA	1.85
Sapekhati	83M4A1	1.00	4	NA	4.45	NA
Sibsagar	83J1C2	0.73	NA	NA	1.31	NA
Sonitpur						
18th Mile	ASSP29	1.00	2.34	1.1	1.1	3.05
Balipara	83B1D4	0.90	2.05	1.15	1.55	1.79
Barchola	83B2B5	0.83	3.38	1.66	1.97	2.14
Bihupukhuri	83F2A7	0.84	7.92	5.32	6.01	6.99
Biswanath	83F2A8	0.76	9.54	2.89	5.09	6.86
Biswanath chara	83F2A6	0.18	9.3	1.72	7.1	8.26
Buroighat	ASSP 25	0.80	2.79	1.19	1.62	2.32
Charduar	83B1D1	0.72	3.43	NA	2.61	3.24
Dhalaibil	83B1D3	0.75	4.96	2.57	3.48	4.38
Dhekiajuli	83B2B2	0.85	4.34	2.3	2.68	3.53
Garumari	83B1D2	0.88	3.02	0.63	0.85	2.27
Gohpur	83F1C2	0.88	2.06	0.36	0.8	1.64

State/District/Location	Well No.	MP (magl)	Mar-17	Aug-17	Nov-17	Jan-18
			(depth to WL in mbgl)			
Helem	ASSP24	0.97	2.4	0.77	0.89	1
Jamuguri North	83B2D3	0.89	2.04	0.56	0.76	2.03
Kolabari	ASSP23	1.10	1.58	NA	NA	NA
Na Pam	ASSP31	1.00	1.92	0.86	1.8	1.94
Sootia	83F2A2	0.80	2.91	1.29	NA	NA
Tezpur	83B2D2	0.91	6.75	3.26	5.49	6.59
Thelamara	ASSP30	0.54	3.56	0.97	1.2	2.94
Tolakbari Ow	ASSP34	0.72	3.98	1.87	1.95	2.16
Tupia	ASSP28	0.74	NA	2.98	4.01	5.05
Tinsukia						
Bordumsa	83M3D3	1.32	NA	NA	NA	2.76
Borgolai	83M3C2	0.40	1.35	1.64	2.04	NA
Digboi	83M3C1	0.95	0.66	0.69	0.82	1.33
Jagun	83M3D4	0.90	3.6	1.7	2.6	3.76
Jaipur naharjan	83M4B5	0.50	1.71	0.83	NA	3.42
Kumsang Selenguri	ASTS22	0.56	3.39	2.71	2.69	3.5
Lekhapani	83M3D1	0.49	4.1	2.03	2.54	5.17
Panitola	83M3B4	0.62	1.51	0.96	1.58	3.88
Tinsukia	83M3B2	0.75	4.46	1.97	2.03	3.73
Tipong	ASTS20	0.92	3.3	3.94	4.52	5.74
Tirap gate	83M3D2	0.80	5.75	1.91	3.43	6.56
Udalguri						
Bengbari	78N2D10	1.00	NA	4.1	3.63	NA
Bhalukmari	83B2A7	0.82	2.78	2.2	1.48	2.24
Hatitopagaon	83B1B1	0.76	NA	NA	3.24	3.5
Kalaigaon	78N2D3	0.77	5.03	1.43	1.53	1.85
Kendurtal	78N2D11	1.27	NA	NA	1.33	2.2
Madhupur	83B2A6	0.75	3.49	NA	2.78	3.3
Orang	83B2B1	1.20	3.1	1.5	NA	3.6
Paneri	78N2D9	0.95	2.65	3.6	2.45	2.65
Rowta chariali	83B2A3	0.82	2.9	1.95	1.7	2.45
Tangla	78N2D2	0.80	3.85	1.22	2.5	3.4
Udalguri	83B2A4	0.84	3.17	2.11	1.6	2.38
Meghalaya						
East Garo Hills						
Baiza Rongreng	MLEG15	0.75	4.26	2.52	2.42	3.01
Darugiri	78K2D2	0.77	3.71	2.36	2.21	2.79
Dobetkolgiri	MEEG12	0.30	NA	2.1	2.12	2.7
Dobu	MLEG13	0.60	3.05	2.15	2.08	3.03
Narringirri	MLEG14	0.85	4.11	2.56	2.62	3.88
Rongjeng	78K2D1	0.84	5.32	3.39	3.42	4.54
Rongmil	78K2D3	0.78	4.26	2.53	2.5	4.09
Samanda Megapagre	MLEG16	1.00	3.56	2.06	2.04	2.8
Songsak	MLEG17	0.85	3.21	1.36	1.42	2.89
Williamnagar	78K2C2	0.90	3	1.1	1.23	1.75
East Khasi Hills						
Cherrapunji	78O3C1	0.20	0.15	GL	GL	5.75
Dangar	MLEK14	0.80	2.37	0.33	2.4	2.64
Lachuamiere	MLEK09	0.80	0.95	0.42	1.49	1.05

State/District/Location	Well No.	MP (magl)	Mar-17	Aug-17	Nov-17	Jan-18
			(depth to WL in mbgl)			
Laitkor	MLEKHOW2	0.70	43.54	15.5	23.12	32.33
Mawpat	MLEK11	0.54	3.4	0.16	1.59	3.02
Nongmynsong	MLEK12	0.52	2.84	1.3	2.86	2.75
Shillong Dhankheti	MLEK08	0.86	1.78	1.49	2.53	1.74
Shillong Golf Link	MLEK07	0.75	6.97	1.65	3.52	4.91
Water Resources Dept	MLEKOW1	0.50	2.42	0.49	4.22	4.1
Jaintia Hills						
Dauki	83C4A1	0.70	1.1	0.73	1.22	1.15
Jowai	83C3A1	0.83	0.77	0.22	0.31	0.47
North Garo Hills						
Bajengdoba	78K1C2	0.97	3.82	2.02	2.09	3.12
Dainadubi	MLEG11	0.80	4.6	2.3	2.3	3.56
Kharkutta	78K1D7	0.93	4.02	2.21	2.08	3.89
Mendal	78K1B1	0.80	3.83	1.52	1.5	1.85
Mendipathar	78K1C1	0.72	3.81	2.2	2.29	3.39
Ri-Bhoi						
Byrnihat	MLRB02A	0.45	2.85	1.02	1.27	2.24
Lumkeni	MLRBOW7	0.60	5.64	4.13	4.79	5.3
Mawtari Myrdon	MLRBOW8	0.75	8.87	7.37	7.56	8.39
Nayabunglow	MLRB04	0.94	7.96	2.46	4.12	5.03
Nongladew	MLRBOW02	0.77	2.24	1.86	1.96	2.13
Nongpoh	78O1D1	0.95	NA	NA	2.65	0.95
Pahanmawlier	MLRB06	0.80	1.11	0.68	1.25	1
Patharkhamma Barigaon	MLRB9	0.90	5.3	2.58	3.1	3.85
Purduwa	MLRBOW4	0.67	3.82	1.98	2.69	3.57
Sohpdok	MLRBOW5	0.70	7.21	0.5	2.48	4.2
Tamanpahlong	MLRB	0.75	2.37	1.14	1.71	2.1
Tdohumshaiw	MLRBOW6	0.65	31.26	21.72	25.17	29.15
Umling	MLRBOW3	0.67	2.47	1.38	1.56	2.05
Umroi Maidan	MLRB8	0.40	2.97	0.9	1.63	2.5
Umsaw	MLRBOW1	0.57	4.1	3.03	3.25	3.73
South West Garo Hills						
Ampati	78G3D1	1.50	3.19	0.8	1.05	2.42
Betasing II	ASWG25	0.70	2.96	1.8	1.75	2.01
Garobandha	78K2A1	0.89	NA	2.03	2.49	3.92
Mahendraganj	78G3D2	1.00	3.92	NA	2.39	3.01
Zikzak	78G3D5	0.84	NA	5.15	4.7	4.91
West Garo Hills						
Asanang	78K2B1	0.77	4.52	3.42	3.96	4.7
Baljek	ASWG17	0.70	NA	0.7	0.7	1.3
Belguri	ASWG21	0.70	8.12	3.45	4.01	5.99
Dalu	MLWG25	1.00	5.01	3	2.82	4.7
Damjongre	MLWG21	0.80	4.12	2.16	2.24	3.03
Phulbari	78K1A1	0.95	3.76	1.96	2.39	3.11
Phutamati	ASWG20	0.80	4.36	2.41	2.36	2.73
Purkhasia	78K3A1	0.78	4.16	2.6	2.52	3.89
Rajabala	ASWG26	0.72	6.12	3.52	3.72	4.86
Rongram	ASWG18	0.90	4.52	2.23	2.2	3.11

State/District/Location	Well No.	MP (magl)	Mar-17	Aug-17	Nov-17	Jan-18
			(depth to WL in mbgl)			
Salsella	MLWG22	0.85	4.06	1.23	1.09	3.78
Snalgre	MLWG23	0.72	2.12	2.2	2.22	1.8
Tikrikilla	78K1A2	0.87	5.2	1.86	1.78	3.12
West Khasi Hills						
Mairang	78O2C1	0.30	0.89	0.47	1.03	NA
Nagaland						
Dimapur						
3 Mile Bazar	NLDM19	0.90	12.9	2.6	4.35	NA
7th Mile Colony	NLDM21	0.70	11.54	4.6	5.43	NA
Bade Bazar	NLDM14	0.80	5.13	NA	3.55	NA
Bamunpukri-1	83G9GM16	0.50	NA	5.1	NA	NA
Chumkidima	83G1D1	0.85	3.04	1.6	1.34	NA
Dgm Colony	83G1C8	0.23	NA	10.65	NA	NA
Dhansiripar	83G1C5	0.80	NA	3.4	NA	NA
Dimapur	83G1C2	0.70	NA	2	NA	NA
Diphupar	NLDM22	0.85	4.57	2.1	2.13	NA
Doyabur DMC	NLDM12	0.63	6.71	4	4.71	NA
Industrial Estate	83G1C7	0.90	NA	3.7	NA	NA
Jalukie	83G2C1	0.89	NA	3.5	NA	NA
Maibiram	NLDM13	0.70	4.95	8.1	2.4	NA
Marwari Colony	83G1C9	0.76	4.95	4.7	2.85	NA
Purana Bazar	83G1C10	0.50	NA	3.6	NA	NA
Rilayan Colony	NLDM24	1.19	20.3	12	3.73	NA
Seirujha Colony Chumukedi	83G9GM11	1.00	5.7	1.7	2.85	NA
Singrijan	83G1C6	0.66	6.4	3.6	3.58	NA
Thilaxu Block-II	NLDM16	0.61	11.05	9.45	8.35	NA
Zakesatho Colony	NLDM23	0.85	5.78	2.3	NA	NA
Kohima						
Cathedral Complex	83K2A1	0.89	NA	3.1	NA	NA
NLSA Complex	83K2A2	0.50	NA	4	NA	NA
Sepfuzou Colony	83K2A3	0.76	NA	1	NA	NA
Mokokchung						
Lampi	83J3B1	0.50	NA	3	NA	NA
Mon						
Mon Town	83N2GM14	0.80	NA	3.8	NA	NA
Namsa	83J1D1	0.73	NA	1.9	NA	NA
Phek						
Phek Town	83K6GM13	0.80	NA	50.1	NA	NA
Tuensang						
Tuensang	83J16GM12	0.90	NA	38.5	NA	NA
Wokha						
New Market	83J4B2	0.41	NA	3.8	NA	NA
Tourist Lodge	83J4B1	0.80	NA	2.9	NA	NA
Tripura						
Dhalai						
Abhanga N	TRDL04	0.77	4.1	1.57	1.03	1.87
Ambassa N	TRDL06	0.92	1.18	0.21	0.3	0.54
Darlang Basti	TRDL02	0.90	1.69	1.39	1.6	3.92
Durga Chowmuhani	TRDL01	0.80	5.05	2.68	2.74	3.38

State/District/Location	Well No.	MP (magl)	Mar-17	Aug-17	Nov-17	Jan-18
			(depth to WL in mbgl)			
Kamalpur	78P4D1	0.66	2.08	1.7	1.77	1.83
Manu N	TRDL05	0.95	5.23	3.1	2.75	4.35
Sindhu Kumar	TRDL07	0.90	3.38	1.8	1.3	2.65
Gomati						
Amarpur	TRST05	0.75	2.13	0.23	0.5	1.56
Ampi Colony	TRST07	0.85	4.24	0.41	2.91	3.67
Bampur	TRST 06	0.96	4.06	2.78	2.67	1.43
Dhawajnagar Udaipur	79M2B8	1.36	3.89	2.18	2.17	3.22
Garjee Bazar	79M3B4	0.80	3.46	0.76	0.64	2.59
Jatanbari	TRGM01		5.94	3.51	3.33	1.53
Kankraban	TRST12	0.87	10.3	8.09	9.33	9.56
Naobari	TRST04	0.83	2.23	0.61	2.04	2.79
Khowai						
45miles	TRKH01	0.70	3.83	0.56	3.65	NA
Bagan Bazar	TRWT33	0.92	1.9	0.1	NA	NA
Kalyanpur	79M1C2	0.92	4.28	3.45	3.85	3.87
Khowai	78P4C5	0.72	1.99	0.57	1.68	1.84
Paschim Howaibari	TRWT34	0.70	2.74	1.04	1.76	2.17
Tuimadhu	TRWT37	0.96	NA	4.01	4.11	3.24
North Tripura						
Bagbasa N	TRNT10	0.95	1.1	0.44	0.45	1.2
Churaibari	TRNT23	0.96	1.88	1.79	0.74	1.05
Deocherra	TRNT25	0.88	6.17	2.04	3.79	4.47
Dharmanagar	83D3B2	1.47	4.43	3.66	4.19	4.36
Kanchanpur	84A1A1	0.50	4.6	0.56	0.9	1.9
Krishnapur	TRNT19	1.35	2.35	3.71	1.25	2.15
Kunjanagar	TRNT21	1.07	3.53	2.87	3.07	NA
Lalchhara	TRNT22	0.90	2.08	1.04	0.95	1.72
Laljuri	TRNT15	0.87	7.05	5.71	5.24	6.36
Naba Joypara (natun Basti)	TRNT20	0.78	4.76	3.88	2.54	3.54
Panisagar	83D4A1	0.78	4.12	NA	1.79	2.82
Rajnagar	TRNT13	0.84	2.26	0.97	1.82	3.39
Sanicherra	TRNT24	0.92	2.01	0.61	0.85	1.31
Satnala	TRNT16	1.05	0.05	0.89	0.19	0.65
Sipahi-Jala						
Dakshin Kalamcherra	TRWT04A	0.96	5.27	0.82	1.15	1.18
Golaghati	TRSJ01	0.85	2.27	0.71	1.27	1.76
Gongrai	TRWT36	0.55	5.45	0.57	1.14	2.29
Kathalia bazar	79M3B5	0.75	4.32	1.75	2.66	2.83
Kenania	79M2A2	0.84	6.37	5.53	5.28	4.53
Sonamura I	79M3B6	0.81	NA	0.22	0.88	1.02
Tufaniamura	TRWT35	0.72	6.31	0.62	2.32	2.46
South Tripura						
Gardhang	TRST11	0.74	1.95	0.66	NA	1.21
Hrishyamukh	79M4C4	0.80	NA	2.16	NA	NA
Kalachhara	TRST10	0.90	5.82	0.36	4.77	4.79
Kashari	TRST24	0.85	8.71	2.47	NA	NA
Manu Bazar	TRST 9	0.66	4.43	2.38	3.16	3.28
Manurmukh	TRST03A	1.00	1.05	0.45	0.82	1.01

State/District/Location	Well No.	MP (magl)	Mar-17	Aug-17	Nov-17	Jan-18
			(depth to WL in mbgl)			
Radhanagar	TRST15	0.88	2.94	1.29	2.62	2.83
Rajnagar	TRST14	1.35	3.38	2.57	3.24	3.27
Rangamura	TRST25	0.90	5.46	1.65	NA	4.92
Sabroom	79M4C1	0.83	5.95	4.15	4.67	5.49
Santirbazar Purba	TRST13	0.77	NA	1.58	NA	NA
Unakoti						
Chandramanikami	TRNT18	0.90	4.22	2.29	2.05	3.79
Gauranagar	TRNT11	0.79	5.05	1.38	1.29	2.7
Jarutali	TRNT27	0.75	2.21	5.1	1.26	1.49
Kanchanchhera	TRNT12	0.74	5.5	1.97	2.19	3.13
Karaicherra	TRNT14		4.78	1.46	5.67	2.64
Kumarghat	83D4A6	0.32	5.36	2.54	2.53	NA
Panchamnagar	TRNT17	0.85	0.85	3.87	3.81	4.78
Pecharthal	83D4A7	0.68	6.17	2.05	2.08	3.72
West Tripura						
Badharghat DTW	TRWT25	0.63	NA	2.63	NA	4.35
Bodhjanagar Dtw	TRWT19	0.75	NA	16.38	NA	NA
Bodhjanagar Stw	TRWT20	0.95	NA	NA	NA	17.64
Chamapnagar1	TRWT39	0.80	1.63	0.41	NA	NA
Ishanpur	TRWT31	0.80	3.91	2.2	2.38	2.61
Lichubagan STW	TRWT22	0.58	5.29	3.94	2.67	NA
Mohanpur2	TRWT38	0.63	2.93	2.48	2.57	NA
Narsingharh DTW	TRWT28	0.70	6	NA	NA	NA
Simna	78P4B1	0.79	5.95	5.14	4.82	5.13
Subalsingh	TRWT32	0.64	7.9	4.01	6.64	7.21

Districtwise Well Frequency for Different Ranges of Depth to Water Level
Month / Year : March - 2017

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.	%
Arunachal Pradesh													
Changlang	3	1.32	4.57	1	33.3	2	66.7	0	0	0	0	0	0
East Siang	2	10.45	10.82	0	0	0	0	0	0	2	100	0	0
Lohit	1	4.52	4.52	0	0	1	100	0	0	0	0	0	0
Lower Subansiri	2	1.51	7.71	1	50	0	0	1	50	0	0	0	0
Papumpare	8	0.33	11.83	4	50	3	37.5	0	0	1	12.5	0	0
Tirap	3	4.13	7.9	0	0	1	33.3	2	66.7	0	0	0	0
Total	19			6	31.6	7	36.8	3	15.8	3	15.8	0	0.0
Assam													
Baksa	2	2.95	3.1	0	0	2	100	0	0	0	0	0	0
Barpeta	6	3.36	5.8	0	0	4	66.7	2	33.3	0	0	0	0
Bongaigaon	10	1.72	9.38	1	10	7	70	2	20	0	0	0	0
Cachar	21	0.23	9.17	10	47.6	9	42.9	2	9.5	0	0	0	0
Chirang	1	3.6	3.6	0	0	1	100	0	0	0	0	0	0
Darrang	9	1.91	5.96	1	11.1	4	44.4	4	44.4	0	0	0	0
Dhemaji	13	0.24	9.35	1	7.7	10	76.9	2	15.4	0	0	0	0
Dhubri	10	2.15	16.93	0	0	7	70	1	10	2	20	0	0
Dibrugarh	9	2.78	5.8	0	0	8	88.9	1	11.1	0	0	0	0
Goalpara	13	3.05	8.1	0	0	8	61.5	5	38.5	0	0	0	0
Golaghat	8	2.54	10.98	0	0	3	37.5	3	37.5	2	25	0	0
Hailakandi	5	1.21	8.98	4	80	0	0	1	20	0	0	0	0
Jorhat	9	1.24	4.05	2	22.2	7	77.8	0	0	0	0	0	0
Kamrup	15	1.58	7.3	2	13.3	8	53.3	5	33.3	0	0	0	0
Kamrup Metro	11	3.1	4.8	0	0	11	100	0	0	0	0	0	0
Karbi Anglong	28	2.11	12.78	0	0	12	42.9	15	53.6	1	3.6	0	0
Karimganj	8	0.02	2.99	6	75	2	25	0	0	0	0	0	0
Lakhimpur	17	0.93	5.65	4	23.5	11	64.7	2	11.8	0	0	0	0
Morigaon	13	2.86	9.9	0	0	5	38.5	8	61.5	0	0	0	0
Nagaon	27	2.5	11.5	0	0	15	55.6	11	40.7	1	3.7	0	0
Nalbari	1	3.97	3.97	0	0	1	100	0	0	0	0	0	0
Sibsagar	4	1.9	5.5	1	25	2	50	1	25	0	0	0	0
Sonitpur	21	1.58	9.54	2	9.5	15	71.4	4	19	0	0	0	0
Tinsukia	10	0.66	5.75	4	40	5	50	1	10	0	0	0	0
Udalguri	8	2.65	5.03	0	0	7	87.5	1	12.5	0	0	0	0
Total	279			38	13.6	164	58.8	71	25.4	6	2.2	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	9	3	5.32	0	0	8	88.9	1	11.1	0	0	0	0
East Khasi Hills	9	0.15	43.54	3	33.3	4	44.4	1	11.1	0	0	1	11.1
North Garo Hills	5	3.81	4.6	0	0	5	100	0	0	0	0	0	0
Ri-Bhoi	14	1.11	31.26	1	7.1	7	50	5	35.7	0	0	1	7.1
South West Garo Hills	4	2.96	5.06	0	0	3	75	1	25	0	0	0	0
West Garo Hills	13	2.12	8.12	0	0	9	69.2	4	30.8	0	0	0	0
West Jaintia Hills	2	0.77	1.1	2	100	0	0	0	0	0	0	0	0
West Khasi Hills	1	0.89	0.89	1	100	0	0	0	0	0	0	0	0
Total	57			7	12.3	36	63.2	12	21.1	0	0.0	2	3.5
Nagaland													
Dimapur	13	3.04	20.3	0	0	4	30.8	5	38.5	3	23.1	1	7.7
Total	13	3.04	20.3	0	0	4	30.8	5	38.5	3	23.1	1	7.7
Tripura													
Dhalai	7	1.18	5.23	2	28.6	3	42.9	2	28.6	0	0	0	0
Gomati	8	2.13	10.3	0	0	6	75	1	12.5	1	12.5	0	0
Khowai	5	1.9	4.28	2	40	3	60	0	0	0	0	0	0
North Tripura	14	0.05	7.05	3	21.4	9	64.3	2	14.3	0	0	0	0
Sipahi-Jala	7	2.27	6.37	0	0	3	42.9	4	57.1	0	0	0	0
South Tripura	9	1.05	8.71	2	22.2	3	33.3	4	44.4	0	0	0	0
Unakoti	8	0.85	6.17	1	12.5	3	37.5	4	50	0	0	0	0
West Tripura	7	1.63	7.9	1	14.3	2	28.6	4	57.1	0	0	0	0
Total	65			11	16.9	32	49.2	21	32.3	1	1.5	0	0.0
Grand Total	433			62	14.3	243	56.1	112	25.9	13	3	3	0.7

**Districtwise Well Frequency for Different Ranges of Depth to Water Level
Month / Year :Aug- 2017**

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.	%
Arunachal Pradesh													
Changlang	4	0.44	1.8	4	100	0	0	0	0	0	0	0	0
East Siang	5	0.65	3.71	3	60	2	40	0	0	0	0	0	0
Lohit	1	2.62	2.62	0	0	1	100	0	0	0	0	0	0
Lower Subansiri	2	0.73	0.85	2	100	0	0	0	0	0	0	0	0
Papumpare	9	0.38	11.57	7	77.8	1	11.1	0	0	1	11.1	0	0
Tirap	3	2.95	3.78	0	0	3	100	0	0	0	0	0	0
Total	24			16	66.67	7	29.17	0	0.00	1	4.17	0	0.00
Assam													
Baksa	2	1.49	2.12	1	50	1	50	0	0	0	0	0	0
Barpeta	8	1.3	2.9	5	62.5	3	37.5	0	0	0	0	0	0
Bongaigaon	10	1.5	3.75	3	30	7	70	0	0	0	0	0	0
Cachar	21	0.01	2.45	20	95.2	1	4.8	0	0	0	0	0	0
Chirang	1	2.48	2.48	0	0	1	100	0	0	0	0	0	0
Darrang	7	1.95	6.2	1	14.3	5	71.4	1	14.3	0	0	0	0
Dhemaji	12	0.27	5.47	10	83.3	1	8.3	1	8.3	0	0	0	0
Dhubri	13	0.95	17	4	30.8	6	46.2	0	0	3	23	0	0
Dibrugarh	9	0.45	3.47	5	55.6	4	44.4	0	0	0	0	0	0
Goalpara	14	1.01	4.11	6	42.9	8	57.1	0	0	0	0	0	0
Golaghat	9	1.14	7.89	2	22.2	5	55.6	2	22.2	0	0	0	0
Hailakandi	5	0.44	2.02	4	80	1	20	0	0	0	0	0	0
Jorhat	10	1.02	3.5	7	70	3	30	0	0	0	0	0	0
Kamrup	10	1.05	3.2	4	40	6	60	0	0	0	0	0	0
Kamrup Metro	9	1.09	3.5	5	55.6	4	44.4	0	0	0	0	0	0
Karbi Anglong	33	2.02	18.9	0	0	21	63.6	11	33.3	1	3	0	0
Karimganj	7	0.39	0.99	7	100	0	0	0	0	0	0	0	0
Lakhimpur	17	0.38	3.03	14	82.4	3	17.6	0	0	0	0	0	0
Morigaon	14	1.54	9.9	1	7.1	7	50	6	42.9	0	0	0	0
Nagaon	26	2.5	11.5	0	0	15	57.7	10	38.5	1	3.8	0	0
Nalbari	1	1.8	1.8	1	100	0	0	0	0	0	0	0	0
Sibsagar	4	0.26	3.28	2	50	2	50	0	0	0	0	0	0
Sonitpur	19	0.36	5.32	13	68.4	5	26.3	1	5.3	0	0	0	0
Tinsukia	10	0.69	3.94	7	70	3	30	0	0	0	0	0	0
Udalguri	8	1.22	4.1	4	50	4	50	0	0	0	0	0	0
Total	279			126	45.16	116	41.58	32	11.47	5	1.79	0	0.00

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	1.1	3.39	2	20	8	80	0	0	0	0	0	0
East Khasi Hills	9		15.5	8	88.9	0	0	0	0	1	11.1	0	0
North Garo Hills	5	1.52	2.3	1	20	4	80	0	0	0	0	0	0
Ri-Bhoi	14	0.5	21.72	8	57.1	4	28.6	1	7.1	0	0	1	7.1
South West Garo Hills	6	0.8	5.15	2	33.3	2	33.3	2	33.3	0	0	0	0
West Garo Hills	14	0.7	3.52	5	35.7	9	64.3	0	0	0	0	0	0
West Jaintia Hills	2	0.22	0.73	2	100	0	0	0	0	0	0	0	0
West Khasi Hills	1	0.47	0.47	1	100	0	0	0	0	0	0	0	0
Total	61			29	47.54	27	44.26	3	4.92	1	1.64	1	1.64
Nagaland													
Dimapur	19	1.6	12	3	15.8	11	57.9	3	15.8	2	10.5	0	0
Kohima	3	1	4	1	33.3	2	66.7	0	0	0	0	0	0
Mokokchung	1	3	3	0	0	1	100	0	0	0	0	0	0
Mon	2	1.9	3.8	1	50	1	50	0	0	0	0	0	0
Phek	1	50.1	50.1	0	0	0	0	0	0	0	0	1	100
Tuensang	1	38.5	38.5	0	0	0	0	0	0	0	0	1	100
Wokha	2	2.9	3.8	0	0	2	100	0	0	0	0	0	0
Total	29			5	17.24	17	58.62	3	10.34	2	6.90	2	6.90
Tripura													
Dhalai	7	0.21	3.1	5	71.4	2	28.6	0	0	0	0	0	0
Gomati	8	0.23	8.09	4	50	3	37.5	1	12.5	0	0	0	0
Khowai	6	0.1	4.01	4	66.7	2	33.3	0	0	0	0	0	0
North Tripura	13	0.44	5.71	7	53.8	5	38.5	1	7.7	0	0	0	0
Sipahi-Jala	8	0.22	5.53	7	87.5	0	0	1	12.5	0	0	0	0
South Tripura	11	0.36	4.15	6	54.5	5	45.5	0	0	0	0	0	0
Unakoti	8	1.38	5.1	3	37.5	4	50	1	12.5	0	0	0	0
West Tripura	10	0.41	16.38	1	10	6	60	2	20	1	10	0	0
Total	71			37	52.11	27	38.03	6	8.45	1	1.41	0	0.00
Grand Total	464			213	45.9	194	41.8	44	9.5	10	2.2	3	0.6

Districtwise Well Frequency for Different Ranges of Depth to Water Level

Month / Year :November- 2017

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.	%
Arunachal Pradesh													
Changlang	4	1.95	3.90	2	50	2	50	0	0	0	0	0	0
East Siang	6	0.96	7.07	3	50	0	0	3	50	0	0	0	0
Lohit	1	3.27	3.27	0	0	1	100	0	0	0	0	0	0
Lower Subansiri	2	0.96	1.63	2	100	0	0	0	0	0	0	0	0
Papumpare	9	0.05	13.39	6	66.7	1	11.1	1	11.1	1	11.1	0	0
Tirap	3	1.97	5.54	1	33.3	1	33.3	1	33.3	0	0	0	0
Total	25			14	56.00	5	20.00	5	20.00	1	4.00	0	0.00
Assam													
Baksa	2	1.99	2.57	1	50	1	50	0	0	0	0	0	0
Barpeta	9	1.03	3.00	6	66.7	3	33.3	0	0	0	0	0	0
Bongaigaon	10	1.08	7.10	7	70	2	20	1	10	0	0	0	0
Cachar	20	0.03	3.67	18	90	2	10	0	0	0	0	0	0
Chirang	1	1.90	1.90	1	100	0	0	0	0	0	0	0	0
Darrang	9	1.31	3.07	2	22.2	7	77.8	0	0	0	0	0	0
Dhemaji	12	0.52	7.05	9	75	2	16.7	1	8.3	0	0	0	0
Dhubri	12	0.45	17.94	6	50	3	25	0	0	3	25	0	0
Dibrugarh	9	0.45	3.92	3	33.3	6	66.7	0	0	0	0	0	0
Goalpara	14	0.90	4.09	6	42.9	8	57.1	0	0	0	0	0	0
Golaghat	7	1.58	7.75	4	57.1	1	14.3	2	28.6	0	0	0	0
Hailakandi	5	0.20	0.86	5	100	0	0	0	0	0	0	0	0
Jorhat	10	1.01	3.00	8	80	2	20	0	0	0	0	0	0
Kamrup	12	0.68	3.00	5	41.7	7	58.3	0	0	0	0	0	0
Kamrup Metro	10	1.07	2.90	4	40	6	60	0	0	0	0	0	0
Karbi Anglong	34	1.67	19.50	1	2.9	25	73.5	6	17.6	2	5.9	0	0
Karimganj	9	0.07	0.96	9	100	0	0	0	0	0	0	0	0
Lakhimpur	17	0.61	2.91	13	76.5	4	23.5	0	0	0	0	0	0
Morigaon	16	1.60	4.70	1	6.3	15	93.8	0	0	0	0	0	0
Nagaon	25	1.52	6.80	2	8	19	76	4	16	0	0	0	0
Nalbari	1	1.43	1.43	1	100	0	0	0	0	0	0	0	0
Sibsagar	4	1.31	4.45	3	75	1	25	0	0	0	0	0	0
Sonitpur	19	0.76	7.10	11	57.9	4	21.1	4	21.1	0	0	0	0
Tinsukia	9	0.82	4.52	2	22.2	7	77.8	0	0	0	0	0	0
Udalguri	10	1.33	3.63	5	50	5	50	0	0	0	0	0	0
Total	286			133	46.50	130	45.45	18	6.29	5	1.75	0	0.00

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	1.23	3.42	2	20	8	80	0	0	0	0	0	0
East Khasi Hills	9	0.01	23.12	3	33.3	5	55.6	0	0	0	0	1	11.1
North Garo Hills	5	1.50	2.30	1	20	4	80	0	0	0	0	0	0
Ri-Bhoi	15	1.25	25.17	6	40	7	46.7	1	6.7	0	0	1	6.7
South West Garo Hills	5	1.05	4.70	2	40	3	60	0	0	0	0	0	0
West Garo Hills	14	0.70	4.01	3	21.4	11	78.6	0	0	0	0	0	0
West Jaintia Hills	2	0.31	1.22	2	100	0	0	0	0	0	0	0	0
West Khasi Hills	1	1.03	1.03	1	100	0	0	0	0	0	0	0	0
Total	61			20	32.79	38	62.30	1	1.64	0	0.00	2	3.28
Nagaland													
Dimapur	22	1.25	10.47	4	18.2	15	68.2	2	9.1	1	4.5	0	0
Kohima	3	0.24	3.75	1	33.3	2	66.7	0	0	0	0	0	0
Mokokchung	1	1.62	1.62	1	100	0	0	0	0	0	0	0	0
Mon	2	1.17	39.70	1	50	0	0	0	0	0	0	1	50
Phek	1	49.50	49.50	0	0	0	0	0	0	0	0	1	100
Tuensang	1	37.80	37.80	0	0	0	0	0	0	0	0	1	100
Wokha	2	2.10	3.49	0	0	2	100	0	0	0	0	0	0
Total	32			7	21.88	19	59.38	2	6.25	1	3.13	3	9.38
Tripura													
Dhalai	7	0.30	2.75	5	71.4	2	28.6	0	0	0	0	0	0
Gomati	8	0.50	9.33	2	25	5	62.5	1	12.5	0	0	0	0
Khowai	5	1.68	4.11	2	40	3	60	0	0	0	0	0	0
North Tripura	14	0.19	5.24	9	64.3	4	28.6	1	7.1	0	0	0	0
Sipahi-Jala	7	0.88	5.28	4	57.1	2	28.6	1	14.3	0	0	0	0
South Tripura	6	0.82	4.77	1	16.7	5	83.3	0	0	0	0	0	0
Unakoti	8	1.26	5.67	2	25	5	62.5	1	12.5	0	0	0	0
West Tripura	6	2.38	16.17	0	0	4	66.7	1	16.7	1	16.7	0	0
Total	61			25	40.98	30	49.18	5	8.20	1	1.64	0	0.00
Grand Total	465			199	42.8	222	47.7	31	6.7	8	1.7	5	1.1

Districtwise Well Frequency for Different Ranges of Depth to Water Level
Month / Year :January- 2018

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.	%
Arunachal Pradesh													
Changlang	4	2.96	4.46	0	0	4	100	0	0	0	0	0	0
East Siang	6	2.15	10.26	0	0	3	50	2	33.3	1	16.7	0	0
Lohit	1	3.74	3.74	0	0	1	100	0	0	0	0	0	0
Lower Subansiri	2	1.58	4.81	1	50	1	50	0	0	0	0	0	0
Papumpare	9	0.10	11.24	4	44.4	3	33.3	1	11.1	1	11.1	0	0
Tirap	3	5.29	9.74	0	0	0	0	3	100	0	0	0	0
Total	25			5	20.00	12	48.00	6	24.00	2	8.00	0	0.00
Assam													
Baksa	1	2.40	2.40	0	0	1	100	0	0	0	0	0	0
Barpeta	8	1.20	7.15	2	25	3	37.5	3	37.5	0	0	0	0
Bongaigaon	10	1.52	8.30	3	30	6	60	1	10	0	0	0	0
Cachar	20	0.02	4.76	15	75	5	25	0	0	0	0	0	0
Chirang	1	2.30	2.30	0	0	1	100	0	0	0	0	0	0
Darrang	9	1.90	5.00	1	11.1	8	88.9	0	0	0	0	0	0
Dhemaji	12	1.27	8.80	5	41.7	5	41.7	2	16.7	0	0	0	0
Dhubri	11	1.05	19.50	1	9.1	7	63.6	0	0	3	27.3	0	0
Dibrugarh	8	1.52	5.32	1	12.5	4	50	3	37.5	0	0	0	0
Goalpara	14	2.51	7.25	0	0	13	92.9	1	7.1	0	0	0	0
Golaghat	7	2.38	6.90	0	0	5	71.4	2	28.6	0	0	0	0
Hailakandi	5	0.20	3.95	4	80	1	20	0	0	0	0	0	0
Jorhat	7	0.75	3.70	4	57.1	3	42.9	0	0	0	0	0	0
Kamrup	16	0.85	5.30	5	31.3	10	62.5	1	6.3	0	0	0	0
Kamrup Metro	11	2.10	3.77	0	0	11	100	0	0	0	0	0	0
Karbi Anglong	33	2.31	11.40	0	0	24	72.7	8	24.2	1	3	0	0
Karimganj	8	0.11	1.43	8	100	0	0	0	0	0	0	0	0
Lakhimpur	16	0.70	4.76	8	50	8	50	0	0	0	0	0	0
Morigaon	16	1.60	6.20	1	6.3	13	81.3	2	12.5	0	0	0	0
Nagaon	28	1.78	8.12	2	7.1	22	78.6	4	14.3	0	0	0	0
Sibsagar	4	1.85	6.38	1	25	2	50	1	25	0	0	0	0
Sonitpur	19	1.00	8.26	4	21.1	10	52.6	5	26.3	0	0	0	0
Tinsukia	10	1.33	6.56	1	10	6	60	3	30	0	0	0	0
Udalguri	10	1.85	3.60	1	10	9	90	0	0	0	0	0	0
Total	284			67	23.59	177	62.32	36	12.68	4	1.41	0	0.00

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	1.75	4.54	1	10	9	90	0	0	0	0	0	0
East Khasi Hills	9	1.05	32.33	2	22.2	5	55.6	1	11.1	0	0	1	11.1
North Garo Hills	5	1.85	3.89	1	20	4	80	0	0	0	0	0	0
Ri-Bhoi	15	0.95	29.15	2	13.3	9	60	3	20	0	0	1	6.7
South West Garo Hills	5	2.01	4.91	0	0	5	100	0	0	0	0	0	0
West Garo Hills	14	1.30	5.99	2	14.3	11	78.6	1	7.1	0	0	0	0
West Jaintia Hills	2	0.47	1.15	2	100	0	0	0	0	0	0	0	0
Total	60			10	16.67	43	71.67	5	8.33	0	0.00	2	3.33
Nagaland													
Dimapur	21	0.20	12.10	3	14.3	8	38.1	7	33.3	3	14.3	0	0
Kohima	3	3.26	6.54	0	0	2	66.7	1	33.3	0	0	0	0
Mokokchung	1	2.25	2.25	0	0	1	100	0	0	0	0	0	0
Mon	2	2.07	40.18	0	0	1	50	0	0	0	0	1	50
Phek	1	54.70	54.70	0	0	0	0	0	0	0	0	1	100
Tuensang	1	38.25	38.25	0	0	0	0	0	0	0	0	1	100
Wokha	2	3.50	6.14	0	0	1	50	1	50	0	0	0	0
Total	31			3	9.68	13	41.94	9	29.03	3	9.68	3	9.68
Tripura													
Dhalai	7	0.54	4.35	3	42.9	4	57.1	0	0	0	0	0	0
Gomati	8	1.43	9.56	3	37.5	4	50	1	12.5	0	0	0	0
Khowai	4	1.84	3.87	1	25	3	75	0	0	0	0	0	0
North Tripura	13	0.65	6.36	6	46.2	6	46.2	1	7.7	0	0	0	0
Sipahi-Jala	7	1.02	4.53	3	42.9	4	57.1	0	0	0	0	0	0
South Tripura	8	1.01	5.49	2	25	5	62.5	1	12.5	0	0	0	0
Unakoti	7	1.49	4.78	1	14.3	6	85.7	0	0	0	0	0	0
West Tripura	6	2.61	17.64	0	0	3	50	2	33.3	1	16.7	0	0
Total	60			19	31.67	35	58.33	5	8.33	1	1.67	0	0.00
Grand Total	460			104	22.6	280	60.9	61	13.3	10	2.2	5	1.1

ANNEXURE- VII

Districtwise Categorisation of Water Level Fluctuation(March-2017 to August-2017)

State / District	Number of Stations Analyzed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
1	2	3	4	5	6	7	8	9	10	11	12	13	14
ARUNACHAL PRADESH													
Changlang	3	0	0	0	0	0	0	2	66.7	1	33.3	0	0
East Siang	2	0	0	0	0	0	0	0	0	0	0	2	100
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	8	1	12.5	0	0	0	0	5	62.5	2	25	0	0
Tirap	3	0	0	0	0	0	0	2	66.7	0	0	1	33.3
Total	19	1	5.26	0	0.00	0	0.00	11	57.89	3	15.79	4	21.05
ASSAM													
Baksa	2	0	0	0	0	0	0	2	100	0	0	0	0
Barpeta	6	0	0	0	0	0	0	1	16.7	5	83.3	0	0
Bongaigaon	10	0	0	0	0	0	0	5	50	4	40	1	10
Cachar	21	2	9.5	0	0	0	0	12	57.1	5	23.8	2	9.5
Chirang	1	0	0	0	0	0	0	1	100	0	0	0	0
Darrang	6	2	33.3	0	0	0	0	1	16.7	3	50	0	0
Dhemaji	11	0	0	0	0	0	0	5	45.5	6	54.5	0	0
Dhubri	8	1	10.0	1	10.0	0	0	4	40.0	4	40.0	0	0
Dibrugarh	8	0	0	0	0	0	0	2	25	6	75	0	0
Goalpara	13	0	0	0	0	0	0	5	38.5	7	53.8	1	7.7
Golaghat	7	0	0	0	0	0	0	2	28.6	3	42.9	2	28.6
Hailakandi	4	1	25	0	0	0	0	2	50	0	0	1	25
Jorhat	9	0	0	0	0	0	0	8	88.9	1	11.1	0	0
Kamrup	9	0	0	0	0	0	0	5	55.6	4	44.4	0	0
Kamrup Metro	9	0	0	0	0	0	0	8	88.9	1	11.1	0	0
Karbi Anglong	27	1	3.7	0	0	2	7.4	17	63	4	14.8	3	11.1
Karimganj	7	0	0	0	0	0	0	6	85.7	1	14.3	0	0
Lakhimpur	16	0	0	0	0	0	0	9	56.3	7	43.8	0	0
Morigaon	13	0	0	0	0	0	0	11	84.6	2	15.4	0	0
Nagaon	25	0	0	0	0	0	0	25	100	0	0	0	0
Nalbari	1	0	0	0	0	0	0	0	0	1	100	0	0
Sibsagar	3	0	0	0	0	0	0	1	33.3	2	66.7	0	0
Sonitpur	18	0	0	0	0	0	0	9	50	7	38.9	2	11.1
Tinsukia	10	3	30	0	0	0	0	4	40	3	30	0	0
Udalguri	7	1	14.3	0	0	0	0	4	57.1	2	28.6	0	0
Total	253	11	4.35	1	0.40	2	0.79	149	58.89	78	30.83	12	4.74
MEGHALAYA													
East Garo Hills	9	0	0	0	0	0	0	9	100	0	0	0	0
East Khasi Hills	9	0	0	0	0	0	0	5	55.6	2	22.2	2	22.2
North Garo Hills	5	0	0	0	0	0	0	3	60	2	40	0	0

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Ri-Bhoi	14	0	0	0	0	0	0	9	64.3	2	14.3	3	21.4
South West Garo Hills	3	1	33.3	0	0	0	0	1	33.3	1	33.3	0	0
West Garo Hills	13	1	7.7	0	0	0	0	5	38.5	6	46.2	1	7.7
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	56	2	3.57	0	0.00	0	0.00	35	62.50	13	23.21	6	10.71
NAGALAND													
Dimapur	12	0	0	1	8.3	0	0	3	25	5	41.7	3	25
Total	12	0	0	1	8.3	0	0	3	25	5	41.7	3	12
TRIPURA													
Dhalai	7	0	0	0	0	0	0	4	57.1	3	42.9	0	0
Gomati	8	0	0	0	0	0	0	4	50	4	50	0	0
Khowai	5	0	0	0	0	0	0	4	80	1	20	0	0
North Tripura	13	2	15.4	0	0	0	0	9	69.2	0	0	2	15.4
Sipahi-Jala	7	0	0	0	0	0	0	2	28.6	2	28.6	3	42.9
South Tripura	9	0	0	0	0	0	0	5	55.6	2	22.2	2	22.2
Unakoti	8	0	0	2	25	0	0	1	12.5	4	50	1	12.5
West Tripura	6	0	0	0	0	0	0	5	83.3	1	16.7	0	0
Total	63	2	3.17	2	3.17	0	0.00	34	53.97	17	26.98	8	12.70
Grand Total	403	16	4	4	1	2	0.5	232	57.6	116	28.8	33	8.2

ANNEXURE- VIII

Districtwise Categorisation of Water Level Fluctuation(March-2017 to November-2017)

State / District	Number of Stations Analyzed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
1	2	3	4	5	6	7	8	9	10	11	12	13	14
ARUNACHAL PRADESH													
Changlang	3	0	0	1	33.3	0	0	2	66.7	0	0	0	0
East Siang	2	0	0	0	0	0	0	0	0	1	50	1	50
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	8	1	12.5	0	0	0	0	6	75	1	12.5	0	0
Tirap	3	0	0	0	0	0	0	1	33.3	2	66.7	0	0
Total	19	1	5.26	1	5.26	0	0.00	11	57.89	4	21.05	2	10.53
ASSAM													
Baksa	2	0	0	0	0	0	0	2	100	0	0	0	0
Barpeta	6	0	0	0	0	0	0	1	16.7	5	83.3	0	0
Bongaigaon	10	0	0	0	0	0	0	5	50	5	50	0	0
Cachar	20	1	5	0	0	0	0	13	65	5	25	1	5
Chirang	1	0	0	0	0	0	0	1	100	0	0	0	0
Darrang	9	0	0	0	0	0	0	5	55.6	4	44.4	0	0
Dhemaji	11	0	0	0	0	0	0	8	72.7	3	27.3	0	0
Dhubri	10	0	0	0	0	0	0	6	60	4	40.0	0	0
Dibrugarh	8	0	0	0	0	0	0	6	75	2	25	0	0
Goalpara	13	0	0	0	0	0	0	5	38.5	7	53.8	1	7.7
Golaghat	6	0	0	0	0	0	0	1	16.7	4	66.7	1	16.7
Hailakandi	5	0	0	0	0	0	0	4	80	0	0	1	20
Jorhat	8	2	25	0	0	0	0	5	62.5	1	12.5	0	0
Kamrup	12	0	0	0	0	0	0	7	58.3	3	25	2	16.7
Kamrup Metro	10	0	0	0	0	0	0	9	90	1	10	0	0
Karbi Anglong	27	1	3.7	0	0	1	3.7	14	51.9	8	29.6	3	11.1
Karimganj	7	1	14.3	0	0	0	0	5	71.4	1	14.3	0	0
Lakhimpur	15	0	0	0	0	0	0	10	66.7	5	33.3	0	0
Morigaon	12	0	0	0	0	0	0	8	66.7	2	16.7	2	16.7
Nagaon	24	0	0	0	0	0	0	14	58.3	10	41.7	0	0
Nalbari	1	0	0	0	0	0	0	0	0	1	100	0	0
Sibsagar	3	1	33.3	0	0	0	0	0	0	2	66.7	0	0
Sonitpur	18	0	0	0	0	0	0	13	72.2	4	22.2	1	5.6
Tinsukia	9	4	44.4	0	0	0	0	3	33.3	2	22.2	0	0
Udalguri	7	0	0	0	0	0	0	6	85.7	1	14.3	0	0
Total	254	10	3.94	0	0.00	1	0.39	151	59.45	80	31.50	12	4.72
MEGHALAYA													
East Garo Hills	9	0	0	0	0	0	0	9	100	0	0	0	0
East Khasi Hills	9	5	55.6	0	0	0	0	2	22.2	1	11.1	1	11.1

1	2	3	4	5	6	7	8	9	10	11	12	13	14
North Garo Hills	5	0	0	0	0	0	0	3	60	2	40	0	0
Ri-Bhoi	14	1	7.1	0	0	0	0	9	64.3	2	14.3	2	14.3
South West Garo Hills	3	0	0	0	0	0	0	2	66.7	1	33.3	0	0
West Garo Hills	13	1	7.7	0	0	0	0	6	46.2	5	38.5	1	7.7
West Jaintia Hills	2	1	50	0	0	0	0	1	50	0	0	0	0
West Khasi Hills	1	1	100	0	0	0	0	0	0	0	0	0	0
Total	56	9	16.1	0	0.00	0	0.00	32	57.14	11	19.64	4	7.14
NAGALAND													
Dimapur	13	0	0	1	7.7	0	0	3	23.1	5	38.5	4	30.8
Total	13	0	0	1	7.7	0	0	3	23.1	5	38.5	4	30.8
TRIPURA													
Dhalai	7	0	0	0	0	0	0	3	42.9	4	57.1	0	0
Gomati	7	0	0	0	0	0	0	5	71.4	2	28.6	0	0
Khowai	4	0	0	0	0	0	0	4	100	0	0	0	0
North Tripura	14	1	7.1	0	0	0	0	9	64.3	4	28.6	0	0
Sipahi-Jala	6	0	0	0	0	0	0	3	50	1	16.7	2	33.3
South Tripura	6	0	0	0	0	0	0	6	100	0	0	0	0
Unakoti	8	1	12.5	1	12.5	0	0	1	12.5	4	50	1	12.5
West Tripura	5	0	0	0	0	0	0	4	80	1	20	0	0
Total	57	2	3.51	1	1.75	0	0.00	35	61.40	16	28.07	3	5.26
Grand Total	399	22	5.5	3	0.8	1	0.3	232	58.1	116	29.1	25	6.3

ANNEXURE- IX

Districtwise Categorisation of Water Level Fluctuation(August-2017 to November-2017)

State / District	Number of Stations Analyzed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
1	2	3	4	5	6	7	8	9	10	11	12	13	14
ARUNACHAL PRADESH													
Changlang	4	3	75	1	25	0	0	0	0	0	0	0	0
East Siang	5	2	40	2	40	1	20	0	0	0	0	0	0
Lohit	1	1	100	0	0	0	0	0	0	0	0	0	0
Lower Subansiri	2	2	100	0	0	0	0	0	0	0	0	0	0
Papumpare	9	8	88.9	0	0	0	0	1	11.1	0	0	0	0
Tirap	3	2	66.7	0	0	0	0	1	33.3	0	0	0	0
Total	24	18	75.0	3	12.5	1	4.17	2	8.33	0	0.00	0	0.00
ASSAM													
Baksa	2	1	50	0	0	0	0	1	50	0	0	0	0
Barpeta	7	3	42.9	0	0	0	0	4	57.1	0	0	0	0
Bongaigaon	10	1	10	0	0	1	10	8	80	0	0	0	0
Cachar	20	14	70	0	0	0	0	6	30	0	0	0	0
Chirang	1	0	0	0	0	0	0	1	100	0	0	0	0
Darrang	6	1	16.7	0	0	0	0	4	66.7	1	16.7	0	0
Dhemaji	11	10	90.9	0	0	0	0	1	9.1	0	0	0	0
Dhubri	12	4	33.3	2	16.7	0	0	4	33.3	2	16.7	0	0
Dibrugarh	8	5	62.5	1	12.5	0	0	2	25	0	0	0	0
Goalpara	14	4	28.6	0	0	0	0	10	71.4	0	0	0	0
Golaghat	7	1	14.3	1	14.3	0	0	4	57.1	1	14.3	0	0
Hailakandi	4	1	25	0	0	0	0	3	75	0	0	0	0
Jorhat	9	5	55.6	0	0	0	0	3	33.3	1	11.1	0	0
Kamrup	8	2	25	0	0	0	0	6	75	0	0	0	0
Kamrup Metro	9	3	33.3	0	0	0	0	6	66.7	0	0	0	0
Karbi Anglong	31	16	51.6	0	0	0	0	9	29	4	12.9	2	6.5
Karimganj	6	3	50	0	0	0	0	3	50	0	0	0	0
Lakhimpur	16	14	87.5	1	6.3	0	0	1	6.3	0	0	0	0
Morigaon	13	2	15.4	0	0	0	0	9	69.2	0	0	2	15.4
Nagaon	24	0	0	0	0	0	0	13	54.2	10	41.7	1	4.2
Nalbari	1	0	0	0	0	0	0	1	100	0	0	0	0
Sibsagar	2	1	50	0	0	0	0	1	50	0	0	0	0
Sonitpur	18	14	77.8	2	11.1	1	5.6	1	5.6	0	0	0	0
Tinsukia	9	8	88.9	0	0	0	0	1	11.1	0	0	0	0
Udalguri	7	2	28.6	0	0	0	0	5	71.4	0	0	0	0
Total	255	115	45.1	6	2.35	2	0.78	108	42.35	19	7.45	5	1.96
MEGHALAYA													
East Garo Hills	10	5	50	0	0	0	0	5	50	0	0	0	0
East Khasi Hills	9	5	55.6	2	22.2	1	11.1	1	11.1	0	0	0	0
North Garo Hills	5	2	40	0	0	0	0	3	60	0	0	0	0
Ri-Bhoi	14	13	92.9	1	7.1	0	0	0	0	0	0	0	0

1	2	3	4	5	6	7	8	9	10	11	12	13	14
South West Garo Hills	4	2	50	0	0	0	0	2	50	0	0	0	0
West Garo Hills	14	7	50	0	0	0	0	7	50	0	0	0	0
West Jaintia Hills	2	2	100	0	0	0	0	0	0	0	0	0	0
West Khasi Hills	1	1	100	0	0	0	0	0	0	0	0	0	0
Total	59	37	62.7	3	5.08	1	1.7	18	30.5	0	0.00	0	0.00
NAGALAND													
Dimapur	19	2	10.5	0	0	0	0	16	84.2	0	0	1	5.3
Kohima	3	0	0	0	0	0	0	3	100	0	0	0	0
Mokokchung	1	0	0	0	0	0	0	1	100	0	0	0	0
Mon	2	0	0	0	0	1	50	1	50	0	0	0	0
Phek	1	0	0	0	0	0	0	1	100	0	0	0	0
Tuensang	1	0	0	0	0	0	0	1	100	0	0	0	0
Wokha	2	0	0	0	0	0	0	2	100	0	0	0	0
Total	29	2	6.90	0	0.00	1	3.45	25	86.21	0	0.00	1	3.45
TRIPURA													
Dhalai	7	4	57.1	0	0	0	0	3	42.9	0	0	0	0
Gomati	7	2	28.6	1	14.3	0	0	4	57.1	0	0	0	0
Khowai	5	4	80	1	20	0	0	0	0	0	0	0	0
North Tripura	13	7	53.8	0	0	0	0	5	38.5	1	7.7	0	0
Sipahi-Jala	7	6	85.7	0	0	0	0	1	14.3	0	0	0	0
South Tripura	6	5	83.3	0	0	1	16.7	0	0	0	0	0	0
Unakoti	8	2	25	0	0	1	12.5	4	50	1	12.5	0	0
West Tripura	5	2	40	1	20	0	0	2	40	0	0	0	0
Total	58	32	55.2	3	5.2	2	3.4	19	32.8	2	3.4	0	0.00
Grand Total	425	204	48	15	3.5	7	1.6	172	40.5	21	4.9	6	1.4

Districtwise Categorisation of Water Level Fluctuation(March-2017 to January-2018)

State / District	Number of Stations Analyzed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
1	2	3	4	5	6	7	8	9	10	11	12	13	14
ARUNACHAL PRADESH													
Changlang	3	1	33.3	1	33.3	0	0	1	33.3	0	0	0	0
East Siang	2	0	0	0	0	0	0	2	100	0	0	0	0
Lohit	1	0	0	0	0	0	0	1	100	0	0	0	0
Lower Subansiri	2	1	50	0	0	0	0	0	0	1	50	0	0
Papumpare	8	1	12.5	0	0	0	0	7	87.5	0	0	0	0
Tirap	3	3	100	0	0	0	0	0	0	0	0	0	0
Total	19	6	31.6	1	5.3	0	0.00	11	57.8	1	5.3	0	0.00
ASSAM													
Baksa	1	0	0	0	0	0	0	1	100	0	0	0	0
Barpeta	6	1	16.7	1	16.7	0	0	3	50	1	16.7	0	0
Bongaigaon	10	0	0	0	0	0	0	8	80	2	20	0	0
Cachar	20	0	0	0	0	0	0	18	90	1	5	1	5
Chirang	1	0	0	0	0	0	0	1	100	0	0	0	0
Darrang	9	1	11.1	0	0	0	0	8	88.9	0	0	0	0
Dhemaji	11	0	0	0	0	0	0	11	100	0	0	0	0
Dhubri	9	0	0	0	0	0	0	8	88.9	1	11.1	0	0
Dibrugarh	8	5	62.5	0	0	0	0	2	25	1	12.5	0	0
Goalpara	13	0	0	0	0	0	0	13	100	0	0	0	0
Golaghat	6	0	0	0	0	0	0	3	50	2	33.3	1	16.7
Hailakandi	5	0	0	0	0	0	0	4	80	0	0	1	20
Jorhat	7	0	0	0	0	0	0	7	100	0	0	0	0
Kamrup	14	0	0	0	0	0	0	12	85.7	2	14.3	0	0
Kamrup Metro	11	2	18.2	0	0	0	0	9	81.8	0	0	0	0
Karbi Anglong	26	2	7.7	2	7.7	1	3.8	11	42.3	7	26.9	3	11.5
Karimganj	8	1	12.5	0	0	0	0	7	87.5	0	0	0	0
Lakhimpur	15	1	6.7	0	0	0	0	14	93.3	0	0	0	0
Morigaon	12	0	0	0	0	0	0	9	75	2	16.7	1	8.3
Nagaon	24	3	12.5	0	0	0	0	18	75	3	12.5	0	0
Sibsagar	3	0	0	0	0	0	0	3	100	0	0	0	0
Sonitpur	18	2	11.1	0	0	0	0	15	83.3	1	5.6	0	0
Tinsukia	9	6	66.7	2	22.2	0	0	1	11.1	0	0	0	0
Udalguri	8	1	12.5	0	0	0	0	6	75	1	12.5	0	0
Total	254	25	9.84	5	1.97	1	0.39	192	75.59	24	9.45	7	2.76
MEGHALAYA													
East Garo Hills	9	0	0	0	0	0	0	9	100	0	0	0	0
East Khasi Hills	9	3	33.3	0	0	1	11.1	3	33.3	1	11.1	1	11.1
North Garo Hills	5	0	0	0	0	0	0	5	100	0	0	0	0
Ri-Bhoi	14	0	0	0	0	0	0	11	78.6	3	21.4	0	0

1	2	3	4	5	6	7	8	9	10	11	12	13	14
South West Garo Hills	3	0	0	0	0	0	0	3	100	0	0	0	0
West Garo Hills	13	1	7.7	0	0	0	0	10	76.9	2	15.4	0	0
West Jaintia Hills	2	1	50	0	0	0	0	1	50	0	0	0	0
Total	55	5	9.09	0	0.00	1	1.82	42	76.36	6	10.91	1	1.82
NAGALAND													
Dimapur	12	0	0	2	16.7	0	0	3	25	3	25	4	33.3
Total	12	0	0	2	16.7	0	0	3	25	3	25	4	33.3
TRIPURA													
Dhalai	7	0	0	1	14.3	0	0	5	71.4	1	14.3	0	0
Gomati	7	1	14.3	0	0	0	0	4	57.1	1	14.3	1	14.3
Khowai	3	0	0	0	0	0	0	3	100	0	0	0	0
North Tripura	13	3	23.1	0	0	0	0	9	69.2	1	7.7	0	0
Sipahi-Jala	6	0	0	0	0	0	0	3	50	2	33.3	1	16.7
South Tripura	8	0	0	0	0	0	0	8	100	0	0	0	0
Unakoti	7	0	0	1	14.3	0	0	2	28.6	4	57.1	0	0
West Tripura	3	0	0	0	0	0	0	3	100	0	0	0	0
Total	54	4	7.41	2	3.70	0	0.00	37	68.52	9	16.67	2	3.70
Grand Total	394	40	10.2	10	2.5	2	0.5	285	72.3	43	10.9	14	3.6

Districtwise Categorisation of Water Level Fluctuation(August-2017 to January-2018)

State / District	Number of Stations Analyzed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
1	2	3	4	5	6	7	8	9	10	11	12	13	14
ARUNACHAL PRADESH													
Changlang	4	1	25	3	75	0	0	0	0	0	0	0	0
East Siang	5	2	40	0	0	3	60	0	0	0	0	0	0
Lohit	1	1	100	0	0	0	0	0	0	0	0	0	0
Lower Subansiri	2	1	50	1	50	0	0	0	0	0	0	0	0
Papumpare	9	5	55.6	1	11.1	0	0	3	33.3	0	0	0	0
Tirap	3	0	0	2	66.7	1	33.3	0	0	0	0	0	0
Total	24	10	41.7	7	29.2	4	16.6	3	12.50	0	0.00	0	0.00
ASSAM													
Baksa	1	1	100	0	0	0	0	0	0	0	0	0	0
Barpeta	7	3	42.9	1	14.3	2	28.6	1	14.3	0	0	0	0
Bongaigaon	10	6	60	0	0	1	10	3	30	0	0	0	0
Cachar	20	12	60	4	20	0	0	4	20	0	0	0	0
Chirang	1	0	0	0	0	0	0	1	100	0	0	0	0
Darrang	6	2	33.3	1	16.7	0	0	2	33.3	1	16.7	0	0
Dhemaji	12	9	75	3	25	0	0	0	0	0	0	0	0
Dhubri	11	6	54.5	1	9.1	1	9.1	1	9.1	2	18.2	0	0
Dibrugarh	7	3	42.9	4	57.1	0	0	0	0	0	0	0	0
Goalpara	14	12	85.7	2	14.3	0	0	0	0	0	0	0	0
Golaghat	7	3	42.9	1	14.3	0	0	2	28.6	1	14.3	0	0
Hailakandi	4	1	25	1	25	0	0	2	50	0	0	0	0
Jorhat	7	3	42.9	1	14.3	0	0	3	42.9	0	0	0	0
Kamrup	10	9	90	0	0	0	0	1	10	0	0	0	0
Kamrup Metro	9	4	44.4	2	22.2	0	0	3	33.3	0	0	0	0
Karbi Anglong	30	9	30	4	13.3	2	6.7	7	23.3	7	23.3	1	3.3
Karimganj	7	5	71.4	0	0	0	0	2	28.6	0	0	0	0
Lakhimpur	15	13	86.7	2	13.3	0	0	0	0	0	0	0	0
Morigaon	12	1	8.3	1	8.3	0	0	8	66.7	1	8.3	1	8.3
Nagaon	25	3	12	0	0	0	0	18	72	4	16	0	0
Sibsagar	4	2	50	2	50	0	0	0	0	0	0	0	0
Sonitpur	18	14	77.8	3	16.7	1	5.6	0	0	0	0	0	0
Tinsukia	9	4	44.4	4	44.4	1	11.1	0	0	0	0	0	0
Udalguri	7	4	57.1	2	28.6	0	0	1	14.3	0	0	0	0
Total	253	129	50.9	39	15.4	8	3.16	59	23.32	16	6.32	2	0.79
MEGHALAYA													
East Garo Hills	10	10	100	0	0	0	0	0	0	0	0	0	0
East Khasi Hills	9	3	33.3	4	44.4	2	22.2	0	0	0	0	0	0
North Garo Hills	5	5	100	0	0	0	0	0	0	0	0	0	0
Ri-Bhoi	14	11	78.6	2	14.3	1	7.1	0	0	0	0	0	0

1	2	3	4	5	6	7	8	9	10	11	12	13	14
South West Garo Hills	4	3	75	0	0	0	0	1	25	0	0	0	0
West Garo Hills	14	11	78.6	2	14.3	0	0	1	7.1	0	0	0	0
West Jaintia Hills	2	2	100	0	0	0	0	0	0	0	0	0	0
Total	58	45	77.5 9	8	13.7 9	3	5.17	2	3.45	0	0.00	0	0.00
NAGALAND													
Dimapur	19	7	36.8	3	15.8	1	5.3	7	36.8	1	5.3	0	0
Kohima	3	2	66.7	0	0	1	33.3	0	0	0	0	0	0
Mokokchung	1	0	0	0	0	0	0	1	100	0	0	0	0
Mon	2	1	50	0	0	1	50	0	0	0	0	0	0
Phek	1	0	0	0	0	1	100	0	0	0	0	0	0
Tuensang	1	0	0	0	0	0	0	1	100	0	0	0	0
Wokha	2	1	50	1	50	0	0	0	0	0	0	0	0
Total	29	11	37.9 3	4	13.7 9	4	13.79	9	31.03	1	3.45	0	0.00
TRIPURA													
Dhalai	7	6	85.7	1	14.3	0	0	0	0	0	0	0	0
Gomati	7	3	42.9	2	28.6	0	0	2	28.6	0	0	0	0
Khowai	4	3	75	0	0	0	0	1	25	0	0	0	0
North Tripura	12	6	50	2	16.7	0	0	4	33.3	0	0	0	0
Sipahi-Jala	7	6	85.7	0	0	0	0	1	14.3	0	0	0	0
South Tripura	8	6	75	1	12.5	1	12.5	0	0	0	0	0	0
Unakoti	7	6	85.7	0	0	0	0	0	0	1	14.3	0	0
West Tripura	5	3	60	1	20	0	0	1	20	0	0	0	0
Total	57	39	68.4 2	7	12.2 8	1	1.75	9	15.79	1	1.75	0	0.00
Grand Total	421	234	55.6	65	15.4	20	4.8	82	19.5	18	4.3	2	0.5

ANNEXURE-XII

Districtwise Categorisation of Water Level Fluctuation(November-2017 to January-2018)

State / District	Number of Stations Analyzed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
1	2	3	4	5	6	7	8	9	10	11	12	13	14
ARUNACHAL PRADESH													
Changlang	4	3	75	0	0	0	0	1	25	0	0	0	0
East Siang	6	3	50	3	50	0	0	0	0	0	0	0	0
Lohit	1	1	100	0	0	0	0	0	0	0	0	0	0
Lower Subansiri	2	1	50	1	50	0	0	0	0	0	0	0	0
Papumpare	9	6	66.7	0	0	0	0	2	22.2	1	11.1	0	0
Tirap	3	1	33.3	0	0	2	66.7	0	0	0	0	0	0
Total	25	15	60.0	4	16.0	2	8.0	3	12.0	1	4.0	0	0.0
ASSAM													
Baksa	1	1	100	0	0	0	0	0	0	0	0	0	0
Barpeta	8	4	50	0	0	3	37.5	1	12.5	0	0	0	0
Bongaigaon	10	10	100	0	0	0	0	0	0	0	0	0	0
Cachar	20	15	75	2	10	0	0	3	15	0	0	0	0
Chirang	1	1	100	0	0	0	0	0	0	0	0	0	0
Darrang	9	8	88.9	1	11.1	0	0	0	0	0	0	0	0
Dhemaji	11	10	90.9	1	9.1	0	0	0	0	0	0	0	0
Dhubri	11	11	100	0	0	0	0	0	0	0	0	0	0
Dibrugarh	7	4	57.1	1	14.3	0	0	2	28.6	0	0	0	0
Goalpara	14	11	78.6	2	14.3	1	7.1	0	0	0	0	0	0
Golaghat	6	3	50	1	16.7	0	0	1	16.7	1	16.7	0	0
Hailakandi	5	2	40	1	20	0	0	2	40	0	0	0	0
Jorhat	6	4	66.7	1	16.7	0	0	0	0	1	16.7	0	0
Kamrup	11	7	63.6	2	18.2	0	0	2	18.2	0	0	0	0
Kamrup Metro	10	7	70	2	20	0	0	1	10	0	0	0	0
Karbi Anglong	31	16	51.6	5	16.1	1	3.2	4	12.9	3	9.7	2	6.5
Karimganj	7	7	100	0	0	0	0	0	0	0	0	0	0
Lakhimpur	14	11	78.6	1	7.1	0	0	2	14.3	0	0	0	0
Morigaon	14	7	50	1	7.1	0	0	6	42.9	0	0	0	0
Nagaon	23	22	95.7	0	0	0	0	1	4.3	0	0	0	0
Sibsagar	2	1	50	1	50	0	0	0	0	0	0	0	0
Sonitpur	19	19	100	0	0	0	0	0	0	0	0	0	0
Tinsukia	8	5	62.5	3	37.5	0	0	0	0	0	0	0	0
Udalguri	9	9	100	0	0	0	0	0	0	0	0	0	0
Total	257	195	75.98	25	9.73	5	1.95	25	9.73	5	1.95	2	0.78
MEGHALAYA													
East Garo Hills	10	10	100	0	0	0	0	0	0	0	0	0	0
East Khasi Hills	9	3	33.3	0	0	2	22.2	4	44.4	0	0	0	0
North Garo Hills	5	5	100	0	0	0	0	0	0	0	0	0	0

1	2	3	4	5	6	7	8	9	10	11	12	13	14
South West Garo Hills	5	5	100	0	0	0	0	0	0	0	0	0	0
West Garo Hills	14	12	85.7	1	7.1	0	0	1	7.1	0	0	0	0
West Jaintia Hills	2	1	50	0	0	0	0	1	50	0	0	0	0
Total	60	48	80.0	2	3.33	2	3.33	8	13.33	0	0.00	0	0.00
NAGALAND													
Dimapur	21	10	47.6	3	14.3	3	14.3	4	19	1	4.8	0	0
Kohima	3	2	66.7	0	0	1	33.3	0	0	0	0	0	0
Mokokchung	1	1	100	0	0	0	0	0	0	0	0	0	0
Mon	2	2	100	0	0	0	0	0	0	0	0	0	0
Phek	1	0	0	0	0	1	100	0	0	0	0	0	0
Tuensang	1	1	100	0	0	0	0	0	0	0	0	0	0
Wokha	2	1	50	1	50	0	0	0	0	0	0	0	0
Total	31	17	54.8	4	12.9	5	16.13	4	12.90	1	3.23	0	0.00
TRIPURA													
Dhalai	7	6	85.7	1	14.3	0	0	0	0	0	0	0	0
Gomti	8	6	75	0	0	0	0	2	25	0	0	0	0
Khowai	4	3	75	0	0	0	0	1	25	0	0	0	0
North Tripura	13	13	100	0	0	0	0	0	0	0	0	0	0
Sipahi-Jala	7	6	85.7	0	0	0	0	1	14.3	0	0	0	0
South Tripura	6	6	100	0	0	0	0	0	0	0	0	0	0
Unakoti	7	6	85.7	0	0	0	0	0	0	1	14.3	0	0
West Tripura	3	3	100	0	0	0	0	0	0	0	0	0	0
Total	55	49	89.0	1	1.82	0	0.00	4	7.27	1	1.82	0	0.00
Grand Total	428	324	75.7	36	8.4	14	3.3	44	10.3	8	1.9	2	0.5

Districtwise Categorisation of Water Level Fluctuation(March-2016 to March-2017)

State / District	Number of Stations Analyzed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
1	2	3	4	5	6	7	8	9	10	11	12	13	14
ARUNACHAL PRADESH													
Changlang	3	1	33.3	0	0	0	0	2	66.7	0	0	0	0
East Siang	2	1	50	0	0	0	0	1	50	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	4	50	0	0	0	0	4	50	0	0	0	0
Tirap	3	1	33.3	0	0	0	0	2	66.7	0	0	0	0
Total	19	8	42.1	0	0.00	0	0.00	11	57.9	0	0.00	0	0.00
ASSAM													
Baksa	2	0	0	0	0	0	0	2	100	0	0	0	0
Barpeta	6	2	33.3	0	0	0	0	3	50	1	16.7	0	0
Bongaigaon	10	1	10	0	0	1	10	8	80	0	0	0	0
Cachar	19	8	42.1	0	0	0	0	11	57.9	0	0	0	0
Chirang	1	0	0	0	0	0	0	1	100	0	0	0	0
Darrang	9	1	11.1	0	0	0	0	7	77.8	1	11.1	0	0
Dhemaji	11	6	54.5	0	0	0	0	5	45.5	0	0	0	0
Dhubri	10	1	10.0	0	0	0	0	8	80.0	1	10.0	0	0
Dibrugarh	8	3	37.5	0	0	0	0	5	62.5	0	0	0	0
Goalpara	13	9	69.2	1	7.7	0	0	2	15.4	1	7.7	0	0
Golaghat	5	4	80	1	20	0	0	0	0	0	0	0	0
Hailakandi	5	3	60	0	0	0	0	2	40	0	0	0	0
Jorhat	8	7	87.5	0	0	0	0	1	12.5	0	0	0	0
Kamrup	13	6	46.2	1	7.7	0	0	6	46.2	0	0	0	0
Kamrup Metro	11	8	72.7	0	0	0	0	3	27.3	0	0	0	0
Karbi Anglong	25	12	48	3	12	1	4	6	24	3	12	0	0
Karimganj	8	3	37.5	0	0	0	0	5	62.5	0	0	0	0
Lakhimpur	15	8	53.3	0	0	0	0	7	46.7	0	0	0	0
Morigaon	12	9	75	1	8.3	0	0	1	8.3	0	0	1	8.3
Nagaon	25	9	36	0	0	0	0	16	64	0	0	0	0
Nalbari	1	1	100	0	0	0	0	0	0	0	0	0	0
Sibsagar	4	3	75	1	25	0	0	0	0	0	0	0	0
Sonitpur	19	15	78.9	0	0	0	0	4	21.1	0	0	0	0
Tinsukia	10	1	10	0	0	0	0	9	90	0	0	0	0
Udalguri	8	1	12.5	0	0	0	0	6	75	1	12.5	0	0
Total	258	121	46.9	8	3.10	2	0.78	118	45.74	8	3.10	1	0.39
MEGHALAYA													
East Garo Hills	9	9	100	0	0	0	0	0	0	0	0	0	0
East Khasi Hills	5	4	80	0	0	0	0	1	20	0	0	0	0
North Garo Hills	5	5	100	0	0	0	0	0	0	0	0	0	0

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Ri-Bhoi	3	3	100	0	0	0	0	0	0	0	0	0	0
West Garo Hills	7	4	57.1	0	0	0	0	2	28.6	1	14.3	0	0
West Jaintia Hills	2	1	50	0	0	0	0	1	50	0	0	0	0
West Khasi Hills	1	1	100	0	0	0	0	0	0	0	0	0	0
Total	32	27	84.4	0	0.00	0	0.00	4	12.50	1	3.1	0	0.00
NAGALAND													
Dimapur	13	3	23.1	1	7.7	1	7.7	7	53.8	0	0	1	7.7
Total	13	3	23.1	1	7.7	1	7.7	7	53.8	0	0	1	13
TRIPURA													
Dhalai	6	4	66.7	0	0	0	0	2	33.3	0	0	0	0
Gomti	8	7	87.5	0	0	0	0	1	12.5	0	0	0	0
Khowai	5	2	40	0	0	0	0	3	60	0	0	0	0
North Tripura	14	5	35.7	1	7.1	0	0	7	50	1	7.1	0	0
Sipahi-Jala	7	4	57.1	3	42.9	0	0	0	0	0	0	0	0
South Tripura	9	6	66.7	0	0	0	0	3	33.3	0	0	0	0
Unakoti	7	1	14.3	1	14.3	0	0	4	57.1	0	0	1	14.3
West Tripura	6	2	33.3	0	0	0	0	3	50	0	0	1	16.7
Total	62	31	50.0	5	8.06	0	0.00	23	37.10	1	1.61	2	3.23
Grand Total	384	190	49.5	14	3.6	3	0.8	163	42.4	10	2.6	4	1

Districtwise Categorisation of Water Level Fluctuation(August-2016 to August-2017)

State / District	Number of Stations Analyzed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
1	2	3	4	5	6	7	8	9	10	11	12	13	14
ARUNACHAL PRADESH													
East Siang	4	0	0	0	0	0	0	3	75	1	25	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	9	2	22.2	0	0	0	0	7	77.8	0	0	0	0
Tirap	3	2	66.7	1	33.3	0	0	0	0	0	0	0	0
Total	19	5	26.3	1	5.3	0	0.00	12	63.1	1	5.3	0	0.00
ASSAM													
Baksa	2	2	100	0	0	0	0	0	0	0	0	0	0
Barpeta	4	4	100	0	0	0	0	0	0	0	0	0	0
Bongaigaon	9	6	66.7	2	22.2	0	0	1	11.1	0	0	0	0
Cachar	19	5	26.3	0	0	0	0	13	68.4	1	5.3	0	0
Chirang	1	1	100	0	0	0	0	0	0	0	0	0	0
Darrang	7	4	57.1	2	28.6	0	0	1	14.3	0	0	0	0
Dhemaji	9	0	0	0	0	0	0	8	88.9	1	11.1	0	0
Dhubri	11	6	54.5	2	18.2	1	9.1	1	9.1	1	9.1	0	0
Dibrugarh	8	1	12.5	0	0	0	0	7	87.5	0	0	0	0
Goalpara	14	7	50	0	0	0	0	7	50	0	0	0	0
Golaghat	3	2	66.7	0	0	0	0	1	33.3	0	0	0	0
Hailakandi	5	3	60	0	0	0	0	2	40	0	0	0	0
Jorhat	8	7	87.5	1	12.5	0	0	0	0	0	0	0	0
Kamrup	8	3	37.5	0	0	0	0	5	62.5	0	0	0	0
Kamrup Metro	9	5	55.6	0	0	0	0	4	44.4	0	0	0	0
Karbi Anglong	19	10	52.6	1	5.3	2	10.5	6	31.6	0	0	0	0
Karimganj	6	1	16.7	0	0	0	0	5	83.3	0	0	0	0
Lakhimpur	12	0	0	0	0	0	0	12	100	0	0	0	0
Morigaon	11	5	45.5	1	9.1	1	9.1	1	9.1	3	27.3	0	0
Nagaon	25	17	68	7	28	0	0	1	4	0	0	0	0
Nalbari	1	1	100	0	0	0	0	0	0	0	0	0	0
Sibsagar	4	0	0	1	25	0	0	3	75	0	0	0	0
Sonitpur	18	0	0	0	0	0	0	18	100	0	0	0	0
Tinsukia	10	3	30	0	0	0	0	7	70	0	0	0	0
Udalguri	8	6	75	1	12.5	0	0	1	12.5	0	0	0	0
Total	231	99	42.9	18	7.8	4	1.7	104	45.0	6	2.6	0	0.00
MEGHALAYA													
East Garo Hills	10	1	10	0	0	0	0	9	90	0	0	0	0
East Khasi Hills	6	0	0	0	0	0	0	6	100	0	0	0	0
North Garo Hills	5	0	0	0	0	0	0	5	100	0	0	0	0
Ri-Bhoi	11	1	9.1	0	0	0	0	7	63.6	2	18.2	1	9.1

1	2	3	4	5	6	7	8	9	10	11	12	13	0
South West Garo Hills	1	0	0	0	0	0	0	1	100	0	0	0	0
West Garo Hills	11	1	9.1	0	0	0	0	9	81.8	1	9.1	0	0
West Jaintia Hills	1	0	0	0	0	0	0	1	100	0	0	0	0
West Khasi Hills	1	0	0	0	0	0	0	1	100	0	0	0	0
Total	46	3	6.52	0	0.00	0	0.00	39	84.78	3	6.52	1	2.17
NAGALAND													
Dimapur	19	10	52.6	0	0	0	0	6	31.6	0	0	3	15.8
Kohima	3	1	33.3	0	0	0	0	2	66.7	0	0	0	0
Mokokchung	1	1	100	0	0	0	0	0	0	0	0	0	0
Mon	2	1	50	0	0	0	0	0	0	0	0	1	50
Phek	1	0	0	0	0	0	0	0	0	0	0	1	100
Tuensang	1	0	0	0	0	0	0	1	100	0	0	0	0
Wokha	2	2	100	0	0	0	0	0	0	0	0	0	0
Total	29	15	51.7	0	0.00	0	0.00	9	31.0	0	0.00	5	17.3
TRIPURA													
Dhalai	7	0	0	0	0	0	0	7	100	0	0	0	0
Gomti	7	1	14.3	0	0	0	0	6	85.7	0	0	0	0
Khowai	5	0	0	0	0	0	0	5	100	0	0	0	0
North Tripura	12	0	0	0	0	0	0	11	91.7	0	0	1	8.3
Sipahi-Jala	6	1	16.7	0	0	0	0	5	83.3	0	0	0	0
South Tripura	9	2	22.2	0	0	0	0	7	77.8	0	0	0	0
Unakoti	8	0	0	0	0	0	0	7	87.5	1	12.5	0	0
West Tripura	6	2	33.3	0	0	0	0	4	66.7	0	0	0	0
Total	60	6	10.0	0	0.00	0	0.00	52	86.67	1	1.67	1	1.67
Grand Total	385	128	33.2	19	4.9	4	1	216	56.1	11	2.9	7	1.8

Districtwise Categorisation of Water Level Fluctuation(November-2016 to November-2017)

State / District	Number of Stations Analyzed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
1	2	3	4	5	6	7	8	9	10	11	12	13	14
ARUNACHAL PRADESH													
Changlang	4	0	0	0	0	0	0	3	75	1	25	0	0
East Siang	5	3	60	0	0	0	0	2	40	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	1	12.5	1	12.5	0	0	6	75	0	0	0	0
Tirap	3	1	33.3	0	0	0	0	1	33.3	1	33.3	0	0
Total	23	6	26.1	1	4.4	0	0.00	14	60.8	2	8.70	0	0.00
ASSAM													
Baksa	1	0	0	0	0	0	0	1	100	0	0	0	0
Barpeta	6	0	0	0	0	0	0	3	50	3	50	0	0
Bongaigaon	10	0	0	1	10	0	0	9	90	0	0	0	0
Cachar	19	10	52.6	0	0	0	0	9	47.4	0	0	0	0
Chirang	1	0	0	0	0	0	0	1	100	0	0	0	0
Darrang	7	0	0	0	0	0	0	4	57.1	1	14.3	2	28.6
Dhemaji	12	1	8.3	0	0	0	0	11	91.7	0	0	0	0
Dhubri	12	0	0	1	8.3	0	0	10	83.4	1	8.3	0	0
Dibrugarh	9	2	22.2	0	0	0	0	4	44.4	3	33.3	0	0
Goalpara	14	10	71.4	0	0	0	0	4	28.6	0	0	0	0
Golaghat	5	1	20	1	20	0	0	3	60	0	0	0	0
Hailakandi	5	3	60	0	0	0	0	1	20	0	0	1	20
Jorhat	10	8	80	0	0	0	0	2	20	0	0	0	0
Kamrup	11	2	18.2	0	0	0	0	8	72.7	1	9.1	0	0
Kamrup Metro	9	4	44.4	0	0	0	0	5	55.6	0	0	0	0
Karbi Anglong	34	13	38.2	2	5.9	2	5.9	15	44.1	2	5.9	0	0
Karimganj	7	4	57.1	0	0	0	0	3	42.9	0	0	0	0
Lakhimpur	17	1	5.9	0	0	0	0	16	94.1	0	0	0	0
Morigaon	10	6	60	0	0	0	0	4	40	0	0	0	0
Nagaon	25	3	12	0	0	0	0	21	84	1	4	0	0
Nalbari	1	0	0	0	0	0	0	1	100	0	0	0	0
Sibsagar	4	3	75	0	0	0	0	0	0	1	25	0	0
Sonitpur	18	3	16.7	0	0	0	0	15	83.3	0	0	0	0
Tinsukia	9	2	22.2	0	0	0	0	7	77.8	0	0	0	0
Udalguri	9	0	0	0	0	0	0	7	77.8	2	22.2	0	0
Total	265	76	28.7	5	1.9	2	0.80	163	61.5	16	6.0	3	1.1
MEGHALAYA													
East Garo Hills	10	0	0	0	0	0	0	10	100	0	0	0	0
East Khasi Hills	7	4	57.1	1	14.3	0	0	2	28.6	0	0	0	0
North Garo Hills	5	1	20	0	0	0	0	4	80	0	0	0	0
Ri-Bhoi	11	2	18.2	0	0	0	0	8	72.7	1	9.1	0	0

1	2	3	4	5	6	7	8	9	10	11	12	13	14
South West Garo Hills	1	0	0	0	0	0	0	1	100	0	0	0	0
West Garo Hills	9	3	33.3	0	0	0	0	6	66.7	0	0	0	0
West Jaintia Hills	2	1	50	0	0	0	0	1	50	0	0	0	0
West Khasi Hills	1	1	100	0	0	0	0	0	0	0	0	0	0
Total	46	12	26.0	1	2.2	0	0.00	32	69.6	1	2.2	0	0.00
TRIPURA													
Dhalai	7	0	0	0	0	0	0	6	85.7	1	14.3	0	0
Gomti	7	4	57.1	0	0	0	0	3	42.9	0	0	0	0
Khowai	5	3	60	0	0	0	0	2	40	0	0	0	0
North Tripura	12	2	16.7	0	0	0	0	10	83.3	0	0	0	0
Sipahi-Jala	7	0	0	0	0	0	0	7	100	0	0	0	0
South Tripura	6	1	16.7	0	0	0	0	5	83.3	0	0	0	0
Unakoti	8	0	0	1	12.5	0	0	6	75	1	12.5	0	0
West Tripura	5	3	60	0	0	0	0	2	40	0	0	0	0
Total	57	13	22.8	1	1.8	0	0.00	41	71.9	2	3.5	0	0.00
Grand Total	391	107	27.4	8	2	2	0.5	250	63.9	21	5.4	3	0.8

Districtwise Categorisation of Water Level Fluctuation(January-2017 to January-2018)

State / District	Number of Stations Analyzed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
1	2	3	4	5	6	7	8	9	10	11	12	13	14
ARUNACHAL PRADESH													
Changlang	4	2	50	0	0	0	0	2	50	0	0	0	0
East Siang	5	1	20	0	0	0	0	4	80	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	1	12.5	1	12.5	0	0	6	75	0	0	0	0
Tirap	3	2	66.7	1	33.3	0	0	0	0	0	0	0	0
Total	23	7	30.4	2	8.70	0	0.00	14	60.9	0	0.00	0	0.00
ASSAM													
Baksa	1	0	0	0	0	0	0	1	100	0	0	0	0
Barpeta	8	2	25	1	12.5	0	0	3	37.5	2	25	0	0
Bongaigaon	9	0	0	0	0	0	0	7	77.8	1	11.1	1	11.1
Cachar	17	1	5.9	0	0	0	0	14	82.4	1	5.9	1	5.9
Chirang	1	0	0	0	0	0	0	0	0	1	100	0	0
Darrang	9	0	0	0	0	0	0	7	77.8	2	22.2	0	0
Dhemaji	11	3	27.3	0	0	0	0	8	72.7	0	0	0	0
Dhubri	11	1	9.1	0	0	0	0	9	77.8	1	9.1	0	0
Dibrugarh	8	5	62.5	1	12.5	0	0	2	25	0	0	0	0
Goalpara	14	6	42.9	0	0	0	0	8	57.1	0	0	0	0
Golaghat	5	3	60	0	0	0	0	2	40	0	0	0	0
Hailakandi	5	1	20	0	0	0	0	3	60	1	20	0	0
Jorhat	7	4	57.1	1	14.3	0	0	2	28.6	0	0	0	0
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Kamrup	12	2	16.7	0	0	0	0	8	66.7	2	16.7	0	0
Kamrup Metro	11	1	9.1	0	0	0	0	9	81.8	1	9.1	0	0
Karbi Anglong	32	13	40.6	3	9.4	0	0	9	28.1	5	15.6	2	6.3
Karimganj	8	2	25	0	0	0	0	6	75	0	0	0	0
Lakhimpur	16	4	25	0	0	0	0	12	75	0	0	0	0
Morigaon	13	3	23.1	0	0	0	0	10	76.9	0	0	0	0
Nagaon	23	2	8.7	0	0	0	0	19	82.6	2	8.7	0	0
Sibsagar	2	0	0	1	50	0	0	1	50	0	0	0	0
Sonitpur	19	3	15.8	0	0	0	0	16	84.2	0	0	0	0
Tinsukia	8	5	62.5	0	0	0	0	3	37.5	0	0	0	0
Udalguri	9	0	0	0	0	0	0	8	88.9	1	11.1	0	0
Total	259	61	23.6	7	2.70	0	0.00	167	64.5	20	7.7	4	1.5
MEGHALAYA													
East Garo Hills	9	3	33.3	0	0	0	0	6	66.7	0	0	0	0
East Khasi Hills	9	3	33.3	1	11.1	1	11.1	4	44.4	0	0	0	0
North Garo Hills	5	2	40	0	0	0	0	3	60	0	0	0	0
Ri-Bhoi	14	3	21.4	0	0	0	0	11	78.6	0	0	0	0

1	2	3	4	5	6	7	8	9	10	11	12	13	14
South West Garo Hills	2	2	100	0	0	0	0	0	0	0	0	0	0
West Garo Hills	13	7	53.8	0	0	0	0	6	46.2	0	0	0	0
West Jaintia Hills	2	0	0	0	0	0	0	2	100	0	0	0	0
Total	54	20	37.0	1	1.85	1	1.9	32	59.3	0	0.00	0	0.00
NAGALAND													
Dimapur	12	4	33.3	0	0	0	0	3	25	1	8.3	4	33.3
Total	12	4	33.3	0	0	0	0	3	25	1	8.3	4	33.3
TRIPURA													
Dhalai	7	0	0	1	14.3	0	0	6	85.7	0	0	0	0
Gomti	7	5	71.4	0	0	0	0	2	28.6	0	0	0	0
Khowai	4	1	25	0	0	0	0	3	75	0	0	0	0
North Tripura	13	1	7.7	0	0	0	0	12	92.3	0	0	0	0
Sipahi-Jala	5	1	20	0	0	0	0	4	80	0	0	0	0
South Tripura	7	4	57.1	0	0	0	0	3	42.9	0	0	0	0
Unakoti	7	0	0	1	14.3	0	0	2	28.6	4	57.1	0	0
West Tripura	4	1	25	0	0	0	0	3	75	0	0	0	0
Total	54	13	24.1	2	3.70	0	0.00	35	64.8	4	7.4	0	0.00
Grand Total	402	105	26.1	12	3	1	0.2	251	62.4	25	6.2	8	2

ANNEXURE- XVII

**Districtwise Categorisation of Water Level Fluctuation
10 years Mean (August 2007- August 2016) – August - 2017**

State / District	Number of Stations Analyzed	Range in m				Rise						Fall					
		Rise		Fall		0-2 m		2-4 m		>4 m		0-2 m		2-4 m		>4 m	
		Min	Max	Min	Max	No	%	No	%	No	%	No	%	No	%	No	%
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
ARUNACHAL PRADESH																	
Changlang	4	0.29	1.23			4	100	0	0	0	0	0	0	0	0	0	0
Lohit	1			1.39	1.39	0	0	0	0	0	0	1	100	0	0	0	0
Papumpare	1	0.07	0.07			1	100	0	0	0	0	0	0	0	0	0	0
Tirap	3			0.26	0.94	0	0	0	0	0	0	3	100	0	0	0	0
Total	9					5	55.6	0	0.00	0	0.00	4	44.4	0	0.00	0	0.00
ASSAM																	
Baksa	1			0.2	0.2	0	0	0	0	0	0	1	100	0	0	0	0
Barpeta	3			0.24	0.86	0	0	0	0	0	0	3	100	0	0	0	0
Bongaigaon	8	2.14	2.14	0.5	2.65	0	0	1	12.5	0	0	6	75	1	12.5	0	0
Cachar	7	0.05	0.8	0.01	0.63	4	57.1	0	0	0	0	3	42.9	0	0	0	0
Chirang	1			1.25	1.25	0	0	0	0	0	0	1	100	0	0	0	0
Darrang	5			0.29	3.66	0	0	0	0	0	0	4	80	1	20	0	0
Dhemaji	5	0.16	0.67	0.2	0.21	3	60	0	0	0	0	2	40	0	0	0	0
Dhubri	7			0.19	3.53	0	0	0	0	0	0	5	71.4	2	28.6	0	0
Dibrugarh	5	0.6	0.6	0.2	0.82	1	20	0	0	0	0	4	80	0	0	0	0
Goalpara	6	0.27	0.66	0.02	0.39	3	50	0	0	0	0	3	50	0	0	0	0
Golaghat	2	0.16	0.16	2.87	2.87	1	50	0	0	0	0	0	0	1	50	0	0
Hailakandi	1	0.73	0.73			1	100	0	0	0	0	0	0	0	0	0	0
Jorhat	3	0.01	0.01	0.32	0.59	1	33.3	0	0	0	0	2	66.7	0	0	0	0
Kamrup	5	0.23	0.23	0.41	0.79	1	20	0	0	0	0	4	80	0	0	0	0
Kamrup Metro	3			0.34	2.61	0	0	0	0	0	0	2	66.7	1	33.3	0	0
Karbi Anglong	13	0.5	1.77	0.36	5.48	2	15.4	0	0	0	0	5	38.5	3	23.1	3	23.1
Karimganj	4	0.36	1.86	0.5	0.5	3	75	0	0	0	0	1	25	0	0	0	0
Lakhimpur	9	0.01	0.28	0.06	0.49	3	33.3	0	0	0	0	6	66.7	0	0	0	0

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Morigaon	4			0.58	3.71	0	0	0	0	0	0	1	25	3	75	0	0
Nagaon	16			0.45	6.57	0	0	0	0	0	0	4	25	10	62.5	2	12.5
Nalbari	1			0.9	0.9	0	0	0	0	0	0	1	100	0	0	0	0
Sibsagar	2	0.06	0.22			2	100	0	0	0	0	0	0	0	0	0	0
Sonitpur	11	0.16	0.77	0.14	0.31	7	63.6	0	0	0	0	4	36.4	0	0	0	0
Tinsukia	8	0.07	0.59	0.05	0.1	6	75	0	0	0	0	2	25	0	0	0	0
Udalguri	8	2.27	2.27	0.71	2.06	0	0	1	12.5	0	0	6	75	1	12.5	0	0
Total	138					38	27.5	2	1.5	0	0.00	70	50.7	23	16.7	5	3.6
MEGHALAYA																	
East Garo Hills	4	0.33	0.33	0.6	1.38	1	25	0	0	0	0	3	75	0	0	0	0
East Khasi Hills	1			0.02	0.02	0	0	0	0	0	0	1	100	0	0	0	0
North Garo Hills	4	0.03	0.04	0.11	0.58	2	50	0	0	0	0	2	50	0	0	0	0
South West Garo Hills	2	1.78	1.83			2	100	0	0	0	0	0	0	0	0	0	0
West Garo Hills	4	0.07	4.35	0.58	0.58	2	50	0	0	1	25	1	25	0	0	0	0
West Jaintia Hills	2	0.29	0.36			2	100	0	0	0	0	0	0	0	0	0	0
West Khasi Hills	1	0.04	0.04			1	100	0	0	0	0	0	0	0	0	0	0
Total	18					10	55.6	0	0.00	1	5.6	7	38.8	0	0.00	0	0.00
NAGALAND																	
Dimapur	8	0.29	6.43	0.45	0.97	3	37.5	0	0	2	25	3	37.5	0	0	0	0
Kohima	2	0.04	1.42			2	100	0	0	0	0	0	0	0	0	0	0
Wokha	2			0.42	1.33	0	0	0	0	0	0	2	100	0	0	0	0
Total	12					5	41.7	0	0.00	2	16.7	5	41.6	0	0.00	0	0.00
TRIPURA																	
Dhalai	3	0.01	1.58			3	100	0	0	0	0	0	0	0	0	0	0
Gomati	2	0.25	0.57			2	100	0	0	0	0	0	0	0	0	0	0
Khowai	2	0.45	0.87			2	100	0	0	0	0	0	0	0	0	0	0
North Tripura	2	0.11	0.36			2	100	0	0	0	0	0	0	0	0	0	0
Sipahi-Jala	4	0.02	0.53	0.28	0.28	3	75	0	0	0	0	1	25	0	0	0	0
South Tripura	3	0.24	0.97			3	100	0	0	0	0	0	0	0	0	0	0
Unakoti	3	0.56	0.99	0.37	0.37	2	66.7	0	0	0	0	1	33.3	0	0	0	0
West Tripura	5	0.26	2.76	0.52	2	2	40	1	20	0	0	1	20	1	20	0	0
Total	24					19	79.2	1	4.2	0	0.00	3	12.5	1	4.1	0	0.00
Grand Total	201					77	38.3	3	1.5	3	1.5	89	44.3	24	11.9	5	2.5

ANNEXURE- XVIII

**Districtwise Categorisation of Water Level Fluctuation
10 years Mean (November 2007- November 2016) – November- 2017**

State / District	Number of Stations Analyzed	Range in m				Rise						Fall					
		Rise		Fall		0-2 m		2-4 m		>4 m		0-2 m		2-4 m		>4 m	
		Min	Max	Min	Max	No	%	No	%	No	%	No	%	No	%	No	%
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
ARUNACHAL PRADESH																	
Changlang	4	0.41	2.53	0.73	0.73	2	50	1	25	0	0	1	25	0	0	0	0
Lohit	1			0.68	0.68	0	0	0	0	0	0	1	100	0	0	0	0
Papumpare	2	0.29	0.53			2	100	0	0	0	0	0	0	0	0	0	0
Tirap	3	0.51	2.66	0.05	0.05	1	33.3	1	33.3	0	0	1	33.3	0	0	0	0
Total	10					5	50.0	2	20.00	0	0.00	3	30.0	0	0.00	0	0.00
ASSAM																	
Baksa	1			0.04	0.04	0	0	0	0	0	0	1	100	0	0	0	0
Barpeta	4	0.77	1.28			4	100	0	0	0	0	0	0	0	0	0	0
Bongaigaon	8	0.65	1.88	0.04	0.59	5	62.5	0	0	0	0	3	37.5	0	0	0	0
Cachar	10	0.02	1.85	0.3	0.3	9	90	0	0	0	0	1	10	0	0	0	0
Chirang	1	0.37	0.37			1	100	0	0	0	0	0	0	0	0	0	0
Darrang	4	0.46	0.77			4	100	0	0	0	0	0	0	0	0	0	0
Dhemaji	5	0.38	0.99			5	100	0	0	0	0	0	0	0	0	0	0
Dhubri	7	0.2	1.72	2.14	2.14	6	85.7	0	0	0	0	0	0	1	14.3	0	0
Dibrugarh	6	0.01	2.72	0.01	0.03	3	50	1	16.7	0	0	2	33.3	0	0	0	0
Goalpara	6	0.08	1.19			6	100	0	0	0	0	0	0	0	0	0	0
Golaghat	2	1.15	1.15	0.9	0.9	1	50	0	0	0	0	1	50	0	0	0	0
Hailakandi	2	0.9	1.21			2	100	0	0	0	0	0	0	0	0	0	0
Jorhat	2			0.42	0.97	0	0	0	0	0	0	2	100	0	0	0	0
Kamrup	7	0.23	1.28	0.2	0.62	5	71.4	0	0	0	0	2	28.6	0	0	0	0
Kamrup Metro	3	0.3	0.3	0.34	1.41	1	33.3	0	0	0	0	2	66.7	0	0	0	0
Karbi Anglong	16	0.04	3.56	0.21	8.96	7	43.8	1	6.3	0	0	6	37.5	1	6.3	1	6.3
Karimganj	4	0.01	1.97			4	100	0	0	0	0	0	0	0	0	0	0
Lakhimpur	10	0.09	1	1.02	1.02	9	90	0	0	0	0	1	10	0	0	0	0
Morigaon	4			0.14	1.87	0	0	0	0	0	0	4	100	0	0	0	0
Nagaon	16	0.14	1.42	0.12	1.76	5	31.3	0	0	0	0	11	68.8	0	0	0	0

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Nalbari	1	0.13	0.13			1	100	0	0	0	0	0	0	0	0	0	0
Sibsagar	4	1.28	2.18	0.01	1.53	1	25	1	25	0	0	2	50	0	0	0	0
Sonitpur	12	0.21	0.74	0.01	3.34	5	41.7	0	0	0	0	6	50	1	8.3	0	0
Tinsukia	7	0.67	1.32	0.05	0.11	5	71.4	0	0	0	0	2	28.6	0	0	0	0
Udalguri	9	0.21	2.39	0.04	0.24	6	66.7	1	11.1	0	0	2	22.2	0	0	0	0
Total	151					95	62.9	4	2.7	0	0.00	48	31.8	3	1.99	1	0.7
MEGHALAYA																	
East Garo Hills	4	0.35	0.35	0.04	0.13	1	25	0	0	0	0	3	75	0	0	0	0
East Khasi Hills	1	0.29	0.29			1	100	0	0	0	0	0	0	0	0	0	0
North Garo Hills	3	0.19	0.57			3	100	0	0	0	0	0	0	0	0	0	0
Ri-Bhoi	1			0.21	0.21	0	0	0	0	0	0	1	100	0	0	0	0
South West Garo Hills	2	0.84	1.41			2	100	0	0	0	0	0	0	0	0	0	0
West Garo Hills	5	0.32	4.55	0.14	1.22	1	20	0	0	1	20	3	60	0	0	0	0
West Jaintia Hills	2	0.13	0.61			2	100	0	0	0	0	0	0	0	0	0	0
West Khasi Hills	1			0.3	0.3	0	0	0	0	0	0	1	100	0	0	0	0
Total	19					10	52.6	0	0.00	1	5.3	8	42.1	0	0.00	0	0.00
NAGALAND																	
Dimapur	9	0.15	6.95	0.51	0.51	5	55.6	1	11.1	2	22.2	1	11.1	0	0	0	0
Kohima	3	0.34	4.94			2	66.7	0	0	1	33.3	0	0	0	0	0	0
Mokokchung	1	0.37	0.37			1	100	0	0	0	0	0	0	0	0	0	0
Mon	1	1.17	1.17			1	100	0	0	0	0	0	0	0	0	0	0
Wokha	1	0.81	0.81			1	100	0	0	0	0	0	0	0	0	0	0
Total	15					10	66.7	1	6.7	3	20.00	1	6.6	0	0.00	0	0.00
TRIPURA																	
Dhalai	3	0.1	2.05			2	66.7	1	33.3	0	0	0	0	0	0	0	0
Gomati	2	0.75	0.98			2	100	0	0	0	0	0	0	0	0	0	0
Khowai	2	0.1	0.18			2	100	0	0	0	0	0	0	0	0	0	0
North Tripura	3	0.26	0.91			3	100	0	0	0	0	0	0	0	0	0	0
Sipahi-Jala	4	0.5	0.61	0.3	0.43	2	50	0	0	0	0	2	50	0	0	0	0
South Tripura	2	0.17	0.4			2	100	0	0	0	0	0	0	0	0	0	0
Unakoti	3	1.51	2.07			2	66.7	1	33.3	0	0	0	0	0	0	0	0
West Tripura	2	0.02	1.58			2	100	0	0	0	0	0	0	0	0	0	0
Total	21					17	81.0	2	9.5	0	0.00	2	9.5	0	0.00	0	0.00
Grand Total	216					137	63.4	9	4.2	4	1.9	62	28.7	3	1.4	1	0.5

ANNEXURE- XIX

**Districtwise Categorisation of Water Level Fluctuation
10 years Mean (January2008- January 2016) – January- 2017**

State / District	Number of Stations Analyzed	Range in m				Rise						Fall					
		Rise		Fall		0-2 m		2-4 m		>4 m		0-2 m		2-4 m		>4 m	
		Min	Max	Min	Max	No	%	No	%	No	%	No	%	No	%	No	%
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
ARUNACHAL PRADESH																	
Changlang	4	0.75	1.49	0.01	0.54	2	50	0	0	0	0	2	50	0	0	0	0
Lohit	1			0.69	0.69	0	0	0	0	0	0	1	100	0	0	0	0
Papumpare	2	0.33	0.57			2	100	0	0	0	0	0	0	0	0	0	0
Tirap	3			0.7	2.78	0	0	0	0	0	0	2	66.7	1	33.3	0	0
Total	10					4	40.0	0	0.00	0	0.00	5	50.0	1	10.0	0	0.00
ASSAM																	
Barpeta	2	0.14	0.84			2	100	0	0	0	0	0	0	0	0	0	0
Bongaigaon	8	0.12	1.88	0.26	0.35	5	62.5	0	0	0	0	3	37.5	0	0	0	0
Cachar	10	0.34	6.74			9	90	0	0	1	10	0	0	0	0	0	0
Chirang	1	0.67	0.67			1	100	0	0	0	0	0	0	0	0	0	0
Darrang	5	0.28	0.93			5	100	0	0	0	0	0	0	0	0	0	0
Dhemaji	6	0.26	1.77			6	100	0	0	0	0	0	0	0	0	0	0
Dhubri	6	0.9	0.9	0.07	3.09	1	16.7	0	0	0	0	4	66.6	1	16.7	0	0
Dibrugarh	5	0.07	1.98	0.37	0.63	2	40	0	0	0	0	3	60	0	0	0	0
Goalpara	6	0.02	0.13	0.05	0.78	2	33.3	0	0	0	0	4	66.7	0	0	0	0
Golaghat	1			0.66	0.66	0	0	0	0	0	0	1	100	0	0	0	0
Hailakandi	3	0.79	2.56			2	66.7	1	33.3	0	0	0	0	0	0	0	0
Jorhat	3	1.87	1.87	0.33	1.48	1	33.3	0	0	0	0	2	66.7	0	0	0	0
Kamrup	8	0.36	1.23	0.16	0.99	5	62.5	0	0	0	0	3	37.5	0	0	0	0
Kamrup Metro	4			0.31	1.23	0	0	0	0	0	0	4	100	0	0	0	0
Karbi Anglong	15	0.01	3.07	0.38	2.51	5	33.3	3	20	0	0	5	33.3	2	13.3	0	0
Karimganj	5	0.2	2.66			3	60	2	40	0	0	0	0	0	0	0	0
Lakhimpur	9	0.05	1.43	0.03	0.06	6	66.7	0	0	0	0	3	33.3	0	0	0	0
Morigaon	4	0.57	1.64	0.47	1.18	2	50	0	0	0	0	2	50	0	0	0	0
Nagaon	15	0.01	1.13	0.03	1.39	6	40	0	0	0	0	9	60	0	0	0	0
Sibsagar	2	0.13	0.13	0.11	0.11	1	50	0	0	0	0	1	50	0	0	0	0
Sonitpur	12	0.01	1.17	0.02	3.88	7	58.3	0	0	0	0	4	33.3	1	8.3	0	0
Tinsukia	8	0.42	0.7	0.02	1.01	3	37.5	0	0	0	0	5	62.5	0	0	0	0

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Udalguri	9	0.21	1.67	0.44	0.71	7	77.8	0	0	0	0	2	22.2	0	0	0	0
Total	147					81	55.1	6	4.08	1	0.68	55	37.4	4	2.72	0	0.00
MEGHALAYA																	
East Garo Hills	4	0.47	0.47	0.2	1.45	1	25	0	0	0	0	3	75	0	0	0	0
East Khasi Hills	1			4.48	4.48	0	0	0	0	0	0	0	0	0	0	1	100
North Garo Hills	4	0.31	0.31	0.22	0.85	1	25	0	0	0	0	3	75	0	0	0	0
Ri-Bhoi	2	0.57	2.36			1	50	1	50	0	0	0	0	0	0	0	0
South West Garo Hills	2	0.69	0.69	0.55	0.55	1	50	0	0	0	0	1	50	0	0	0	0
West Garo Hills	4	3.76	3.76	0.24	0.97	0	0	1	25	0	0	3	75	0	0	0	0
West Jaintia Hills	2	0.53	0.97			2	100	0	0	0	0	0	0	0	0	0	0
Total	19					6	31.6	2	10.5	0	0.00	10	52.6	0	0.00	1	5.3
NAGALAND																	
Dimapur	8	0.07	7.56	2.7	2.7	2	25	3	37.5	2	25	0	0	1	12.5	0	0
Kohima	3	0.05	0.05	0.27	0.35	1	33.3	0	0	0	0	2	66.7	0	0	0	0
Mokokchung	1			0.03	0.03	0	0	0	0	0	0	1	100	0	0	0	0
Wokha	2	1.31	1.31	0.61	0.61	1	50	0	0	0	0	1	50	0	0	0	0
Total	14					4	28.6	3	21.4	2	14.3	4	28.6	1	7.1	0	0.00
TRIPURA																	
Dhalai	3	0.31	1.99			3	100	0	0	0	0	0	0	0	0	0	0
Gomti	2	0.14	0.58			2	100	0	0	0	0	0	0	0	0	0	0
Khowai	2	0.11	0.46			2	100	0	0	0	0	0	0	0	0	0	0
North Tripura	3	0.19	0.69			3	100	0	0	0	0	0	0	0	0	0	0
Sipahi-Jala	4	0.05	1.39			4	100	0	0	0	0	0	0	0	0	0	0
South Tripura	2	0.08	0.34			2	100	0	0	0	0	0	0	0	0	0	0
Unakoti	2	2.45	2.61			0	0	2	100	0	0	0	0	0	0	0	0
West Tripura	4	0.02	0.13	1.08	1.08	3	75	0	0	0	0	1	25	0	0	0	0
Total	22					19	86.4	2	9.0	0	0.00	1	4.6	0	0.00	0	0.00
Grand Total	212					114	53.8	13	6.1	3	1.4	75	35.4	6	2.8	1	0.5

LONG TERM GROUND WATER LEVEL TREND –PRE MONSOON

Period: March 2009 - March 2017

DISTRICT/ STATION	WELL NO	No of Data	RISE (m)	FALL (m)
1	2	3	4	5
Arunachal Pradesh				
Changlang				
Jairampur	92A4A1	10	0.147	
Namchik	92A3A1	9		0.003
Namphai	92A3A2	9		0.195
Newlisan Kharsang	92A2A1	10	0.286	
East Siang				
Berung	83M1B4	6		0.137
Pasighat New	ARES02A	6	0.101	
Pasighat-II	ARES15	5		0.08
Lohit				
Lathow	83M2D1	10		0.072
Papumpare				
Banderedewa I	ARPP04	5		0.02
Chimpu	ARPP13	5		0.116
Itanagar I	ARPP10	5	0.059	
Kimin	83E3D2	9	0.033	
Nirjuli Vill IIA	ARPP06	5	0.188	
Nirjuli Vill IIB	ARPP07	5		0.154
Sonajuli	83E4C1	8	0.194	
Tirap				
Borduria	83M4B3	9	0.13	
Deomali	83M4C1	9	0.011	
Hukanjuri	83M4B4	9	0.369	
Assam				
Baksa				
Jhargaon	ASBS01	5		0.114
Tamulpur	78N2C1	9		0.003
Barpeta				
Bhawanipur	78N3A1	8		0.106
Daulasal	ASBP14	5		0.415
Nityanada OW	ASBP18	5		0.538
Sarupeta	78N3A6	7		0.129
Sorbhog	78J3D4	8		0.077
Bongaigaon				
Abhayapuri	78J3C2	8		0.071
Baitamari	78J3C1	11		0.068
Bongaigaon New	78J3C9	7	0.153	
Chalantapara	78J3C4	10	0.176	
Chaparakata	78J3C7	7		0.077

1	2	3	4	5
Chaprakata	ASBN10	5	0.001	
Majgaon	ASBN11	5		0.15
Manikpur	78J3D1	11		0.017
Medhipara(Deo)	78J3C6	9		0.081
North salmara	78J3C8	7		0.123
Cachar				
Badribasti	83D1D7	10		0.059
Badribasti OW	83D1D8	8		0.056
Borjalinga	83D2D1	11	0.035	
Borkhola	83D1C8	9	0.061	
Dargakuna	ASCR25	5	0.11	
Digharkhal	83D1C3	8		0.025
Ghungoor TW	83D1D10	8		0.037
Hilara	ASCR26	5	0.254	
Kalain	83D1C14	10		0.17
Kalain PZ	83D1C13	8		0.041
Katigora	ASCR27	5	0.048	
Masimpur	ASCR23	5	0.308	
Moinarbond	83D1D6	10		0.026
Palanghat	83D2D10	7	0.124	
Poilapul	83H1A9	7		0.058
Razabazar	83H1A7	9		0.143
Shivtila	83H1A4	9		0.123
Chirang				
Bijni	78J3C5	8		0.181
Darrang				
Baitamari (Beltala	83B2A8	5		0.04
Chamuapara	83B3A2	5		0.214
Dalgaon	83B2A2	10		0.088
Gelabil (Thelamara)	83B2B6	8		0.139
Goroibari	ASDR31	5		0.089
Mangaldoi	83B3A1	10		0.067
Mangaldoi II	83B3A3	8		0.016
Thekerabari .1	83B2A1	10		0.002
Dhemaji				
Akajan	83I2D1	8		0.012
Bhagaban charali	83I2D2	10	0.023	
Bijoypur	83M1A3	10	0.148	
Bokabil Ow	ASDM24	5	0.058	
Bordoloni	83I3B1	10	0.099	
Chengali Pather Ow	ASDM23	5	0.091	
Dekapam	ASDM21	5	0.058	
Dhakuakhana1	ASDM07	5		0.115
Dhemaji 1	83I3C1	5		0.023

1	2	3	4	5
Dipa	83I2D3	5	0.214	
Ghilamara	ASDM11	7	0.03	
Jonai murkongselek	83M1A1	10		0.003
Silapathar	83I2C1	7		0.136
Siripani	83I2C3	8		0.073
Sisibargaon	83I2C2	10	0.018	
Telem	83M2A1	10	0.022	
Dhubri				
Bagaribari	78J4A4	11		0.079
Bahalpur	78J3B4	10		0.076
Bilasipara	78J4A1	12		0.06
Chapar	78J3B2	11		0.04
Dhubri Town	78F4D4	11		0.335
Mancachar	78G2D3	5	0.008	
Panbari	78J4A2	8		0.16
Shapamari Beat	ASDH13	5		0.088
Sonamukhi	ASDH14	5	0.086	
Dibrugarh				
Azarguri gaon	83I3D4	10		0.017
Bamunbari	83I4D4	8	0.152	
Barbaruah	83I3D6	10	0.017	
Chabua	83M3A2	8		0.236
Dibrugarh	83I3D1	7		0.092
Dikom	83M3A1	10	0.011	
Jaipur Naharani	83M3A4	6		0.052
Goalpara				
Agia1	78J4C3	10		0.059
Agia2	ASGP21	5		0.264
Baida	78J4B3	9		0.247
Bhalukdubi (Goalpara)	ASGP15	5		0.235
Damra	78K1D8	10		0.344
Dhupdhara	78O1A2	8		0.332
Dudhnai	78K1D1	10	0.008	
Dwarka	ASGP19	5	0.085	
Goalpara Town	78J4C4	7	0.149	
Khutabari	78N4A1	8		0.102
Krishnai	78J4C1	8	0.046	
Lakhipur	78J4B1	7		0.041
Matia	78J4D1	7	0.191	
Pattarpara	ASGP22	5	0.246	
Rongjuli	78K1D2	10	0.038	
Salpara	ASGP16	5	0.318	
Sarapara	ASGP23	5	0.155	
Teuli	ASGP20	5		0.074

1	2	3	4	5
Golaghat				
Gaghibari Namghar	ASGL10	5	0.037	
Garampani	ASGL15	5		0.471
Golaghat	83F2D1	5		0.388
Kamargaon	83J2A4	5	0.017	
Kohra kaziranga	83F2B1	5		1.034
Oating	83J3A1	10	0.078	
Hailakandi				
Katlicherra N	ASHL02A	5	0.761	
Panchgram New	ASHL05A	7		0.401
Syedband Part II	ASHL01A	9	0.026	
Jorhat				
Cinemora	ASJR18	5	0.163	
Dabarapara charali	83J2B3	10	0.103	
Kakojan1	83J1B1	5		0.198
Kokilamukh	83J1A3	7		0.244
Lichubari	ASJR21	5	0.426	
Mariani	83J2B4	9	0.412	
Rajoi TG	83J2B5	5	0.192	
Saklatinga TGI	83J2A11	5	0.558	
Selenghat	83J2B2	6	0.403	
Sodial Kacharigaon	ASJR22	5	0.208	
Tipamia	83J2A6	5	0.162	
Titabor	83J2A7	10	0.071	
Kamrup				
Agyathuri	78N4C2	10	0.353	
Alikash Adarsh	78N4C16	9		0.123
Bamunigaon1	78N4B3	9		0.172
Chandrapur	78N4D9	6		0.197
Chhaygaon	ASKM41	5	0.158	
Darkuchi	78N2C4	9		0.031
Hajo	78N4C5	11	0.285	
Kachkatchi	ASKM49	5	0.102	
Kahara	78N3C2	8		0.074
Mirza	ASKM42	5	0.256	
Rajapara	78O1A3	9		0.167
Rangia	78N3C1	10		0.065
Sualkuchi	78N4C11	10		0.033
Kamrup Metro				
Amingaon(ii)	78N4C18	6	0.462	
Azara	78N4C1	7	0.014	
Bamfor	ASKM50	5		0.418
Boragaon	78N4C7	9		0.146
Dirgheswari	78N4C12	6		0.232

1	2	3	4	5
Kahilipara	78N4D7	7		0.466
Khanapara	78N4D3	7		0.136
Khetri	83B4A3	9		0.054
Maligaon	78N4C6	7	0.857	
Rani1	78N4C9	9		0.087
Sonapur	83B4A2	11		0.033
Sonapur II	ASKM52	5	0.276	
Topatoli	83B4A4	10		0.179
Zoo narangi rd	78N4D2	6		0.812
Karbi Anglong				
Balipathar	83F4D3	9	0.061	
Boithalangu	83C1C2	7		0.219
Bokajan	83F4D2	5	0.449	
Bokajan II	ASKA42	5	0.019	
Bokoliaghat	ASKA34	5		0.358
Bokulia	83G1C3	10		0.143
Dengaon R5	83B4D7	10		0.095
Dentaghat	83F3A1	7	0.199	
Deopani	83F4D4	8	0.168	
Dillai	83G1C4	11	0	
Diphu	83G1B1	10	0.34	
Dishobai	ASKA35	5	0.755	
Donkamokam	83C1C1	8		0.112
Habranrangapar	83F4A7	5	0.438	
Hapjan	83G1C1	5	0.949	
Hawaipur	83C1D5	7	0.134	
Hidipi	83F4C1	8	0.127	
Kalonga	83C1D2	8		0.182
Khatkhati	83G1D3	10		0.06
Kheronighat	83C1D3	8	0.291	
Langhing	ASKA32	5		0.409
Manikpur	83F4A6	7		0.355
Manja Forest	83G1B2	9	0.201	
Mohendijua	ASKA38	5		1.911
Phonglangso	ASKA36	5		1.49
Phuloni	83F4A2	10		0.274
Silanijan	83F3D1	10	0.144	
Siljuri	83F2B2	5		0.546
Terangaon	ASKA37	5		0.37
Karimganj				
Badarpur	83D1C1	9		0.119
Badarpur Pz	83D1C9	5	0.565	
Dhulia	83D2B6	11	0.038	
Hatikira	83D3B1	11	0.116	

1	2	3	4	5
Rk Nagar I	83D2B4	10	0.012	
Sarkaribari	83D2B7	10		0.044
Shrigauri	83D1C5	5	0.069	
Kokrajhar				
Balajan	ASDH15	5		0.098
Rupshi	78F4D3	12		0.175
Lakhimpur				
Amguri	ASLK23	5	0.057	
Bhogpur charali	83E4D1	10		0.055
Bihpuria	83E4D4	10	0.112	
Boginadi(balijan)	83I3A1	7	0.098	
Dejoo	ASLK24	5	0.123	
Dholpur	83F1D1	7		0.043
Dolanghat chara	83I4A3	10	0.085	
Harmoti	83E4D6	10		0.039
Islampur	83E4D3	10	0.014	
Kadam	83I3A3	10	0.053	
Laluk	83E4D2	9		0.097
Milanpur	ASLK26	5	0.163	
N.lakhipur(old)	83I4A1	10		0.03
Naoboisa	83I4A4	6	0.028	
Narayanpur	83F1D4	10	0.134	
Panigaon	83I4A2	9		0.006
Pathalipam	83I3B6	10		0.007
Pathalipam II	ASLK25	5		0.009
Morigaon				
Baghara	83B4B2	10		0.219
Baropujia	ASMR14	5		0.713
Garmari gaon	83B3A4	8		0.355
Jagiroad	83B4A1	10		0.079
Kumoi	ASMR15	5		0.898
Morigaon	83B3B10	8		0.046
Nasatra	83B4A5	6		0.383
Nelle	83B4B4	7		0.44
Solmari Ow	ASMR21	5		0.693
Nagaon				
Amsoi	83B4B5	9		0.099
Bagori	83F2A4	5	0.178	
Bamuni tinali	83B3D9	6		0.248
Beldonga mandir	83B4D8	10	0.215	
Bichamari	83B3B1	8	0.075	
Borchukhaba	83B3B5	6		0.116
Bordowa	83B3C2	10		0.075
Dakhinpath OW	ASNG44	5	0.25	

1	2	3	4	5
Dalapani	ASNG39	5		0.574
Dhing	83B3B6	10	0.099	
Doboka	83B4D1	9		0.419
Ghasibasti Ow	ASNG46	5		0.37
Gomotha	ASNG34	5		0.364
Haldiati sub bt	83B4D6	9		0.127
Hatibatha	ASNG35	5	0.034	
Jurapukhuri	83C1D7	10		0.168
Kathiatoli	83B4C4	11		0.148
Kondali	83B3D5	7		0.424
Lanka	83C1D1	9	0.253	
Lumding	83G1A1	5		0.033
Nadeorigaon	83B4D2	8		0.57
Natali	ASNG37	5		0.051
Pahukata	ASNG36	5		0.099
Phulaguri R6	83F2A5	6	0.63	
Samuguri	83B3D7	11		0.003
Silghat	83B2D6	10	0.023	
Sulung p.o.	83B3D8	12		0.03
Telia bebejia	83B3C7	8		0.449
Nalbari				
Tihu	78N3B3	8		0.172
Sibsagar				
Bandarmari	83I4C14	8	0.228	
Betbari alimore	83I4C8	8	0.013	
Demow Sukan	83I4C11	10	0.074	
Geleki	83J1C9	5	0.011	
Hanumanbagh	83J1C7	6	0.437	
Moranhat	83I4D1	9		0.115
Rajabari TE	83I4C7	6	0.469	
Sapekhati	83M4A1	9	0.163	
Sibsagar	83J1C2	8	0.274	
Sonitpur				
18th Mile	ASSP29	5	0.055	
Balipara	83B1D4	10		0.039
Barchola	83B2B5	6		0.027
Bihupukhuri	83F2A7	10	0.138	
Biswanath	83F2A8	10		0.024
Biswanath chara	83F2A6	8		0.442
Borgang	83F1B2	9	0.002	
Buroighat	ASSP 25	5	0.044	
Charduar	83B1D1	10	0.011	
Dhalaibil	83B1D3	10	0.033	
Dhekiajuli	83B2B2	10		0.026

1	2	3	4	5
Garumari	83B1D2	10	0.302	
Gohpur	83F1C2	9	0.011	
Hawajan	83F1C4	8	0.027	
Helem	ASSP24	5	0.049	
Jamuguri North	83B2D3	10	0.022	
Kolabari	ASSP23	5	0.104	
Sootia	83F2A2	10	0.092	
Tezpur	83B2D2	10	0.016	
Thelamara	ASSP30	5	0.009	
Tolakbari Ow	ASSP34	5	0.021	
Tinsukia				
Bordumsa	83M3D3	6	0.249	
Borgolai	83M3C2	10	0.14	
Bortorani	83M2B4	7	0.219	
Digboi	83M3C1	10	0.035	
Jagun	83M3D4	10		0.019
Jaipur naharjan	83M4B5	9		0.052
Kumsang Selenguri	ASTS22	5	0.736	
Ledo forest off	83M3C3	7	0.61	
Lekhapani	83M3D1	10	0.227	
Panitola	83M3B4	10	0.3	
Rangagora guijn	83M2B3	7	0.036	
Tinsukia	83M3B2	10		0.019
Tipong	ASTS20	5	0.389	
Tirap gate	83M3D2	10	0.002	
Udalguri				
Bengbari	78N2D10	9		0.092
Bhalukmari	83B2A7	10	0.064	
Kalaigaon	78N2D3	9		0.228
Kendurtal	78N2D11	9	0.005	
Madhupur	83B2A6	10		0.064
Orang	83B2B1	10		0.089
Paneri	78N2D9	9		0.001
Paneri TG	78N2D1	6		0.321
Rowta chariali	83B2A3	10		0.052
Tangla	78N2D2	9	0.149	
Udalguri	83B2A4	10		0.059
Meghalaya				
East Garo Hills				
Depa sarangma	78K1D4	7	0.014	
Darugiri	78K2D2	10		0.092
Rongjeng	78K2D1	10		0.312
Rongmil	78K2D3	10		0.266
Samanda Megapagre	MLEG16	5		0.013

1	2	3	4	5
Williamnagar	78K2C2	10		0.076
East Khasi Hills				
Balat	78O4B1	6		0.336
Shillong Polo	78O2D1	5		1.259
Cherrapunji	78O3C1	6	0.065	
North Garo Hills				
Kharkutta	78K1D7	10		0.014
Bajengdoba	78K1C2	8		0.42
Dainadubi	MLEG11	5	0.006	
Mendal	78K1B1	9		0.149
Mendipathar	78K1C1	9		0.096
Ri-Bhoi				
Nongpoh	78O1D1	11	0.021	
Byrnihat	MLRB02A	6	0.057	
South West Garo Hills				
Ampati	78G3D1	8	0.002	
Garobandha	78K2A1	7	0.082	
Mahendraganj	78G3D2	6		0.164
Zikzak	78G3D5	6		0.355
West Garo Hills				
Barengapara	78K4A1	8		0.1
Borkona	78G2D4	6		0.22
Kherapara	78K3A2	7		0.176
Purkhasia	78K3A1	9		0.104
Asanang	78K2B1	10		0.1
Rongram	ASWG18	5		0.294
Nidanpur	78K1A3	7		0.344
Phulbari	78K1A1	10		0.2
Belguri	ASWG21	5		1.386
Phutamati	ASWG20	5	0.038	
Tikrikilla	78K1A2	9	0.372	
West Jaintia Hills				
Dauki	83C4A1	10	0.048	
Jowai	83C3A1	7	0.11	
West Khasi Hills				
Mairang	78O2C1	11	0.029	
Nagaland				
Dimapur				
Chumkidima	83G1D1	8	0.174	
Dgm Colony	83G1C8	6		0.314
Dgmofficedimapur	83G13GM10	5		2.667
Dhansiripar	83G1C5	7		0.337
Dimapur	83G1C2	7		0.529
Industrial Estate	83G1C7	6		0.154

1	2	3	4	5
Jalukie	83G2C1	7		0.21
Marwari Colony	83G1C9	6		0.18
Purana Bazar	83G1C10	6		0.784
Seirujha Colony	83G9GM11	6	1.518	
Singrijan	83G1C6	8	0.044	
Mokokchung				
Lampi	83J3B1	7		0.058
Mon				
Namsa	83J1D1	6		0.185
Wokha				
New Market	83J4B2	6		1.512
Tourist Lodge	83J4B1	6		0.282
Tripura				
Dhalai				
Ambassa	79M1D1	5	0.168	
Kamalpur	78P4D1	10	0.076	
Manu N	TRDL05	7	0.009	
Abhanga N	TRDL04	8	0.23	
Gomti				
Dhawaj nagar Udaipur	79M2B8	10	0.043	
Garjee Bazar	79M3B4	10		0.104
Khowai				
Kalyanpur	79M1C2	10	0.033	
Khowai	78P4C5	10	0.01	
Kohima				
Cathedral Complex	83K2A1	6	0.079	
NLSA Complex	83K2A2	6	0.046	
Sepfuzou Colony	83K2A3	6	0.09	
North Tripura				
Bagbasa N	TRNT10	8	0.149	
Dharmanagar	83D3B2	10	0.042	
Panisagar	83D4A1	10	0.085	
Sipahi-Jala				
Bishalgarh	79M2B1	9		0.269
Kenania	79M2A2	10		0.018
Sonamura1	79M3B6	7		0.092
Dakshin Kalamcherra	TRWT04A	10		0.139
Kathalia bazar	79M3B5	10		0.109
South Tripura				
Santirbazar	79M3C1	6		0.001
Hrishyamukh	79M4C4	9	0.236	
Manurmukh	TRST03A	9	0.023	
Rajnagar	TRST14	5	0.374	
Sabroom	79M4C1	10	0.004	

1	2	3	4	5
Unakoti				
Gauranagar N	TRNT11	9	0.3	
Kumarghat	83D4A6	10	0.105	
Pecharthal	83D4A7	10	0.107	
West Tripura				
Narsingharh DTW	TRWT28	10	0.251	
Sipoyjala	79M2B7	7		0.011
Teliamura	79M1C1	5	0.104	
Badharghat DTW	TRWT25	9		0.156
Lichubagan DTW	TRWT21	5		0.233
Lichubagan STW	TRWT22	9		0.054
Suryamaninagar DTW	TRWT23	9		0.106
Suryamaninagar STW	TRWT24	8		0.056
Champaknagar	79M1B6	6	0.14	
Nagicherra1	TRWT29	9		0.443
Nagicherra2	TRWT30	9		0.335
Bodhjanagar Dtw	TRWT19	9		0.135
Bodhjanagar Stw	TRWT20	8		0.071
Mohanpur	79M1B5	7	0.084	
Simna	78P4B1	10		0.079

LONG TERM GROUND WATER LEVEL TREND –POST MONSOON

Period: November 2008 - November 2017

DISTRICT/ STATION	WELL NO	No of Data	RISE	FALL
1	2	3	4	5
Arunachal Pradesh				
Changlang				
Jairampur	92A4A1	10		0.203
Namchik	92A3A1	10	0.126	
Namphai	92A3A2	10	0.029	
Newlisan Kharsang	92A2A1	10	0.143	
East Siang				
Pasighat New	ARES02A	5	0.136	
Pasighat-II	ARES15	5		0.01
Ruksin	ARES11	5	0.187	
Lohit				
Lathow	83M2D1	10		0.02
Papumpare				
Banderedewa I	ARPP04	5		0.34
Chimpu	ARPP13	5		0.089
Itanagar I	ARPP10	5	0.224	
Kimin	83E3D2	10	0.071	
Nirjuli Vill IIA	ARPP06	5	0.24	
Nirjuli Vill IIB	ARPP07	5		0.264
Sonajuli	83E4C1	8	0.053	
Tirap				
Borduria	83M4B3	10	0.184	
Deomali	83M4C1	10	0.144	
Hukanjuri	83M4B4	10		0.091
Assam				
Baksa				
Tamulpur	78N2C1	9		0.168
Barpeta				
Bhawanipur	78N3A1	10	0.019	
Sarupeta	78N3A6	9		0.044
Sorbhog	78J3D4	8	0.011	
Ujanborbori	78N2A2	7	0.059	
Bongaigaon				
Abhayapuri	78J3C2	10		0.035
Baitamari	78J3C1	10	0.244	
Bongaigaon New	78J3C9	6	0.177	
Chalantapara	78J3C4	9	0.132	
Chaprakata	78J3C7	8		0.035
Chaprakata	ASBN10	5	0.024	
Majgaon	ASBN11	5		0.087

1	2	3	4	5
Manikpur	78J3D1	10		0.022
Medhipara(Deo)	78J3C6	9		0.085
North salmara	78J3C8	10		0.112
Cachar				
Badribasti	83D1D7	10	0.043	
Badribasti OW	83D1D8	7	0.003	
Borjalinga	83D2D1	10		0.009
Borkhola	83D1C8	10		0.006
Dargakuna	ASCR25	5	0.024	
Digharkhal	83D1C3	8	0.267	
Ghungoor TW	83D1D10	8	0.112	
Kalain	83D1C14	10	0.037	
Kalain PZ	83D1C13	8	0.049	
Moinarbond	83D1D6	8	0.21	
Palanghat	83D2D10	8	0.121	
Poilapul	83H1A9	9	0.059	
Razabazar	83H1A7	10	0.237	
Shivachal	ASCR28	5	0.194	
Shivtila	83H1A4	9	0.055	
Silchar	83D1D1	5		0.042
Chirang				
Bijni	78J3C5	10		0.095
Darrang				
Chamuapara	83B3A2	7		0.026
Dalgaon	83B2A2	10	0.009	
Gelabil (Thelamara)	83B2B6	5		0.009
Mangaldoi	83B3A1	10	0.03	
Mangaldoi II	83B3A3	9	0.021	
Thekerabari . 1	83B2A1	10	0.009	
Dhemaji				
Akajan	83I2D1	8	0.041	
Bhagaban charali	83I2D2	7	0.184	
Bijoypur	83M1A3	9	0.184	
Bokabil Ow	ASDM24	5	0.137	
Bordoloni	83I3B1	9	0.058	
Dekapam	ASDM21	5	0.011	
Dhakuakhana1	ASDM07	6		0.053
Dhemaji 1	83I3C1	5	0.092	
Dhemaji 2	ASDM 23	5	0.101	
Dipa	83I2D3	5	0.516	
Ghilamara	ASDM11	6		0.007
Gogamukh Hss Ow	ASDM25	5	0.031	
Jonai murkongselek	83M1A1	9	0.066	
Silapathar	83I2C1	7		0.007

1	2	3	4	5
Siripani	83I2C3	6	0.053	
Sisibargaon	83I2C2	10	0.052	
Telem	83M2A1	9	0.075	
Dhubri				
Bagaribari	78J4A4	10		0.002
Bahalpur	78J3B4	9	0.038	
Bilasipara	78J4A1	9	0.004	
Chapar	78J3B2	10		0.032
Dhubri Town	78F4D4	10	0.084	
Mancachar	78G2D3	5		0.382
Panbari	78J4A2	10		0.158
Shapamari Beat	ASDH13	5		0.111
Dibrugarh				
Azarguri gaon	83I3D4	10		0.004
Bamunbari	83I4D4	10	0.005	
Barbaruah	83I3D6	10	0.005	
Chabua	83M3A2	10	0.015	
Dibrugarh	83I3D1	9		0.018
Dikom	83M3A1	10		0.094
Domar Dolong Tw	ASDB12	5		0.363
Jaipur Naharani	83M3A4	10	0.048	
Lepetkata	ASDB13	5	0.365	
Goalpara				
Agia1	78J4C3	9	0.041	
Baida	78J4B3	9	0.09	
Damra	78K1D8	9	0.05	
Dhupdhara	78O1A2	6		0.224
Dudhnai	78K1D1	9		0.051
Goalpara Town	78J4C4	7	0.074	
Khutabari	78N4A1	7		0.135
Krishnai	78J4C1	7		0.099
Lakhipur	78J4B1	7		0.109
Matia	78J4D1	7		0.293
Rongjuli	78K1D2	9	0.108	
Golaghat				
Gaghbari Namghar	ASGL10	5	0.421	
Garampani	ASGL15	5	0	
Haldibari Buri Ai	ASGL13	5	0.689	
Kamargaon	83J2A4	5		0.286
Kohra kaziranga	83F2B1	6		0.229
Oating	83J3A1	10		0.011
Hailakandi				
Katlicherra N	ASHL02A	6	0.417	
Panchgram New	ASHL05A	8	0.166	

1	2	3	4	5
Syedband Part II	ASHL01A	9	0.136	
Jorhat				
Cinemora	ASJR18	5	0.374	
Dabarapara charali	83J2B3	9	0.072	
Kakojan1	83J1B1	5		0.271
Kokilamukh	83J1A3	6	0.301	
Lichubari	ASJR21	5	0.524	
Mariani	83J2B4	8	0.292	
Saklatinga TGI	83J2A11	6		0.068
Selenghat	83J2B2	5	0.139	
Sodial Kacharigaon	ASJR22	5	0.293	
Tipamia	83J2A6	5		0.018
Titabor	83J2A7	9		0.038
Kamrup				
Agyathuri	78N4C2	10		0.067
Alikash Adarsh	78N4C16	7		0.164
Bamunigaon1	78N4B3	10		0.124
Boko1	ASKM39	5	0.025	
Chhaygaon	ASKM41	5	0.301	
Darkuchi	78N2C4	7		0.05
Hajo	78N4C5	10	0.239	
Kahara	78N3C2	8	0.107	
Mirza	ASKM42	5	0.389	
Rajapara	78O1A3	10		0.06
Rangia	78N3C1	8	0.046	
Sualkuchi	78N4C11	10		0.027
Kamrup Metro				
Amingaon(ii)	78N4C18	5		0.188
Azara	78N4C1	7		0.264
Bamfor	ASKM50	5		0.328
Boragaon	78N4C7	8	0.008	
Dirgheswari	78N4C12	6	0.143	
Kahilipara	78N4D7	7	0.101	
Khanapara	78N4D3	7		0.124
Khetri	83B4A3	8		0.018
Maligaon	78N4C6	7	0.196	
Paltan bazar	78N4C14	7	0.152	
Rani1	78N4C9	9		0.073
Rani2	ASKM43	5	0.199	
Sonapur	83B4A2	10	0.032	
Topatoli	83B4A4	10		0.141
Zoo narangi rd	78N4D2	7		0.716
Karbi Anglong				
Balipathar	83F4D3	9	0.016	

1	2	3	4	5
Boithalansu	83C1C2	5	0.122	
Bokajan I	ASKA41	5		0.463
Bokajan II	ASKA42	5	0.108	
Bokulia	83G1C3	9		0.221
Dengaon R5	83B4D7	10		0.056
Dentaghat	83F3A1	8	0.198	
Deopani	83F4D4	9	0.209	
Dillai	83G1C4	9		0.052
Diphu	83G1B1	7		0.574
Donkamokam	83C1C1	7		0.091
Habranrangapar	83F4A7	6	0.704	
Hapjan	83G1C1	5	0.188	
Hawaipur	83C1D5	7	0.62	
Hidipi	83F4C1	7	0.261	
Kalonga	83C1D2	7	0.083	
Khatkhati	83G1D3	9		0.111
Kheronighat	83C1D3	9	0.452	
Manikpur	83F4A6	8		0.448
Manja Forest	83G1B2	6	0.074	
Phuloni	83F4A2	9	0.007	
Saphapani	ASKA45	5	0.423	
Silanijan	83F3D1	9	0.09	
Karimganj				
Badarpur	83D1C1	10	0.272	
Badarpur Pz	83D1C9	5	0.088	
Dhaulia	83D2B6	9	0.005	
Hatikira	83D3B1	8	0.133	
Rk Nagar I	83D2B4	10	0.385	
Sarkaribari	83D2B7	10		0.025
Shrigauri	83D1C5	5	0.181	
Kokrajhar				
Kokrajhar	78J3B1	5		0.131
Rupshi	78F4D3	10		0.02
Lakhimpur				
Bhogpur charali	83E4D1	10		0.022
Bihpuria	83E4D4	8	0.083	
Boginadi(balijan)	83I3A1	8	0.099	
Dejoo	ASLK24	5	0.069	
Dholpur	83F1D1	6		0.178
Dolanghat chara	83I4A3	9	0.016	
Harmoti	83E4D6	10		0.125
Islampur	83E4D3	9	0.086	
Kadam	83I3A3	10	0.029	
Laluk	83E4D2	10		0.07

1	2	3	4	5
N.lakhipur(old)	83I4A1	8	0.005	
Naoboisa	83I4A4	6		0.13
Narayanpur	83F1D4	10	0.107	
Panigaon	83I4A2	9	0.109	
Pathalipam	83I3B6	10	0.057	
Pathalipam II	ASLK25	5	0.383	
Morigaon				
Baghara	83B4B2	9		0.08
Garmari gaon	83B3A4	8		0.276
Jagiroad	83B4A1	9	0.007	
Morigaon	83B3B10	10		0.14
Nasatra	83B4A5	6		0.294
Nelle	83B4B4	6	0.159	
Nagaon				
Amsoi	83B4B5	9		0.167
Bamuni tinali	83B3D9	8		0.187
Beldonga mandir	83B4D8	10	0.124	
Bichamari	83B3B1	9		0.121
Borchukhaba	83B3B5	5		0.144
Bordowa	83B3C2	9		0.125
Dhing	83B3B6	10	0.043	
Doboka	83B4D1	10		0.105
Haldiati sub bt	83B4D6	10		0.06
Jurapukhuri	83C1D7	9		0.199
Kathiatoli	83B4C4	10		0.067
Kondali	83B3D5	7		0.158
Langteng TE	83F3A2	5		0.115
Lanka	83C1D1	9	0.16	
Lumding	83G1A1	6		0.84
Nadeorigaon	83B4D2	5	0.26	
Phulaguri R6	83F2A5	7	0.091	
Samuguri	83B3D7	10	0.135	
Silghat	83B2D6	10	0.057	
Sulung p.o.	83B3D8	10	0.022	
Telia bebejia	83B3C7	9		0.215
Nalbari				
Tihu	78N3B3	10		0.05
Sibsagar				
Bandarmari	83I4C14	9	0.383	
Betbari alimore	83I4C8	8	0.202	
Demow Sukan	83I4C11	9	0.062	
Moranhat	83I4D1	8		0.041
Rajabari TE	83I4C7	5	0.034	
Sapekhati	83M4A1	9		0.074

1	2	3	4	5
Sibsagar	83J1C2	8	0.038	
Sonitpur				
18th Mile	ASSP29	5	0.115	
Balipara	83B1D4	9		0.022
Barchola	83B2B5	6		0.072
Bihupukhuri	83F2A7	9	0.079	
Biswanath	83F2A8	9	0.009	
Biswanath chara	83F2A6	6		0.561
Borgang	83F1B2	9	0.018	
Buroighat	ASSP 25	5	0.089	
Charduar	83B1D1	10	0.023	
Dhalaibil	83B1D3	10	0.034	
Dhekiajuli	83B2B2	9		0.092
Garumari	83B1D2	9	0.051	
Gohpur	83F1C2	8		0.062
Hawajan	83F1C4	8	0.08	
Helem	ASSP24	5	0.151	
Jamuguri North	83B2D3	9	0.004	
Sootia	83F2A2	9	0.162	
Tezpur	83B2D2	10	0.069	
Thelamara	ASSP30	5	0.278	
Tupia	ASSP28	5	0.067	
Tinsukia				
Bordumsa	83M3D3	9		0.016
Borgolai	83M3C2	10	0.105	
Bortorani	83M2B4	9	0.052	
Digboi	83M3C1	10	0.047	
Jagun	83M3D4	10		0.102
Jaipur naharjan	83M4B5	9	0.086	
Kumsang Selenguri	ASTS22	5	0.203	
Ledo forest off	83M3C3	9	0.282	
Lekhapani	83M3D1	10	0.223	
Panitola	83M3B4	10	0.193	
Philobari	83M2C7	8		0.374
Rangagora guijn	83M2B3	8		0.075
Tinsukia	83M3B2	10	0.064	
Tipong	ASTS20	5		0.165
Tirap gate	83M3D2	10		0.034
Udaiguri				
Bengbari	78N2D10	8		0.057
Bhalukmari	83B2A7	9	0.031	
Kalaigaon	78N2D3	9	0.096	
Kendurtal	78N2D11	8	0.105	
Madhupur	83B2A6	9		0.185

1	2	3	4	5
Orang	83B2B1	9	0.051	
Paneri	78N2D9	9	0.085	
Paneri TG	78N2D1	6	0.668	
Rowta chariali	83B2A3	10		0.009
Tangla	78N2D2	8	0.281	
Udalguri	83B2A4	9		0.025
Meghalaya				
East Garo Hills				
Depa sarangma	78K1D4	7	0.014	
Darugiri	78K2D2	9		0.071
Rongjeng	78K2D1	9		0.241
Rongmil	78K2D3	9		0.051
Williamnagar	78K2C2	7	0.025	
East Khasi Hills				
Balat	78O4B1	8		0.144
Shillong Polo	78O2D1	5		0.102
Cherrapunji	78O3C1	9	0.017	
North Garo Hills				
Kharkutta	78K1D7	9	0.084	
Mendal	78K1B1	8	0.013	
Mendipathar	78K1C1	8		0.059
Ri-Bhoi				
Nongpoh	78O1D1	8	0.043	
Byrnihat	MLRB02A	5	0.109	
South West Garo Hills				
Ampati	78G3D1	6	0.154	
Garobandha	78K2A1	7	0.121	
Mahendraganj	78G3D2	5		0.073
Zikzak	78G3D5	5		0.241
West Garo Hills				
Barengapara	78K4A1	5	0.182	
Borkona	78G2D4	5		0.287
Kherapara	78K3A2	5		0.096
Purkhasia	78K3A1	6	0.074	
Asanang	78K2B1	7	0.026	
Nidanpur	78K1A3	6		0.133
Phulbari	78K1A1	9		0.019
Tikrikilla	78K1A2	9	0.461	
West Jaintia Hills				
Dauki	83C4A1	9	0.055	
Jowai	83C3A1	7	0.186	
West Khasi Hills				
Mairang	78O2C1	9	0.008	
Nagaland				

1	2	3	4	5
Dimapur				
Chumkidima	83G1D1	7	0.23	
Dgm Colony	83G1C8	6	1.276	
Dgmofficedimapur	83G13GM10	5		1.737
Dhansiripar	83G1C5	7		0.119
Dimapur	83G1C2	6	0.249	
Industrial Estate	83G1C7	7	0.088	
Jalukie	83G2C1	7	0.079	
Marwari Colony	83G1C9	6	0.054	
Purana Bazar	83G1C10	7	0.385	
Seirujha Colony	83G9GM11	6	1.909	
Singrijan	83G1C6	7	0.08	
Kohima				
Cathedral Complex	83K2A1	7	0.131	
NLSA Complex	83K2A2	7	0.04	
Sepfuzou Colony	83K2A3	7	0.674	
Mokokchung				
Lampi	83J3B1	6	0.027	
Mon				
Namsa	83J1D1	7	0.131	
Wokha				
New Market	83J4B2	5		0.354
Tourist Lodge	83J4B1	6	0.174	
Tripura				
Dhalai				
Ambassa N	TRDL06	5	0.244	
Kamalpur	78P4D1	8	0.027	
Manu N	TRDL05	8	0.14	
Abhanga N	TRDL04	9	0.043	
Gomti				
Bampur	TRST 06	5	0.18	
Ampi Colony	TRST07	5	0.649	
Kankraban	TRST12	5	0.107	
Dhawaj nagar Udaipur	79M2B8	9	0.163	
Garjee Bazar	79M3B4	9	0.081	
Khowai				
Kalyanpur	79M1C2	9	0.032	
Khowai	78P4C5	9	0.045	
Tuimadhu	TRWT37	5	0.146	
Paschim Howaibari	TRWT34	5	0.286	
North Tripura				
Bagbasa N	TRNT10	9	0.103	
Dharmanagar	83D3B2	9	0.026	
Panisagar	83D4A1	9	0.126	

1	2	3	4	5
Rajnagar	TRNT13	5	0.78	
Sipahi-Jala				
Bishalgarh	79M2B1	7		0.125
Kenania	79M2A2	9	0.063	
Sonamura1	79M3B6	9	0.072	
Dakshin Kalamcherra	TRWT04A	9		0.016
Gongrai	TRWT36	5	0.387	
Tufaniamura	TRWT35	5	0.448	
Kathalia bazar	79M3B5	9		0.053
South Tripura				
Santirbazar	79M3C1	5	0.137	
Hrishyamukh	79M4C4	8	0.232	
Manurmukh	TRST03A	8	0.022	
Rajnagar	TRST14	5	0.128	
Kalachhara	TRST10	5	0.078	
Manu Bazar	TRST 9	5	0.124	
Sabroom	79M4C1	9	0.045	
Unakoti				
Gauranagar N	TRNT11	9	0.142	
Kumarghat	83D4A6	9	0.234	
Pecharthal	83D4A7	9	0.099	
West Tripura				
Narsinghgarh DTW	TRWT28	7	0.391	
Sipoyjala	79M2B7	5	0.003	
Badharghat DTW	TRWT25	7	0.013	
Lichubagan STW	TRWT22	8	0.174	
Suryamaninagar DTW	TRWT23	5	0.055	
Suryamaninagar STW	TRWT24	5	0.077	
Subalsingh	TRWT32	5		0.068
Nagicherra1	TRWT29	8		0.057
Nagicherra2	TRWT30	8		0.281
Bodhjanagar Dtw	TRWT19	8	0.135	
Bodhjanagar Stw	TRWT20	6	0.149	
Mohanpur2	TRWT38	5		0.104
Simna	78P4B1	9		0.032

ANNEXURE - XXII
Chemical Quality of Water Samples Collected from GWMS of NER during Pre-Monsoon March 2017-18
(Basic constituents)

District	Location	Type Of Sample (EW Or DW)	pH	EC ($\mu\text{s}/\text{C m}$) 25°C	Turbi dity (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
						Conc. in mg/L													
ARUNACHAL PRADESH																			
Changlang	Jairampur	DW	7.05	163.80	BDL	90.00	BDL	40.00	40.00	28.36	1.86	1.40	0.21	6.00	6.07	40.00	18.45	1.04	0.40
Changlang	Namchik	DW	7.98	317.00	BDL	178.00	BDL	110.00	110.00	21.27	6.05	2.80	0.22	20.00	13.35	105.00	12.26	5.60	0.48
Changlang	Newlisan Kharsang	DW	7.32	111.40	BDL	60.11	BDL	50.00	50.00	14.18	1.53	1.20	0.19	10.00	4.85	45.00	4.98	1.09	0.51
East siang	Pasighat New	DW	7.08	45.76	0.50	30.20	BDL	30.00	30.00	21.27	0.30	1.60	0.06	4.00	6.07	35.00	5.28	3.58	BDL
Lohit	Lathow	DW	7.31	65.91	BDL	35.69	BDL	35.00	35.00	7.09	1.32	0.70	0.15	6.00	3.64	30.00	2.40	0.46	1.31
Lower subansiri	Bomte	DW	7.12	40.86	BDL	26.97	BDL	15.00	15.00	21.27	5.50	1.30	0.10	6.00	6.07	40.00	1.24	1.62	BDL
Lower subansiri	Bomte	DW	7.35	42.62	0.80	28.13	BDL	30.00	30.00	21.27	1.50	1.40	0.07	6.00	4.85	35.00	5.92	10.56	0.01
Lower subansiri	Kolaputkar	DW	7.85	476.60	BDL	314.56	BDL	65.00	65.00	35.45	74.92	0.10	0.15	24.00	20.63	145.00	20.77	2.72	0.15
Lower subansiri	Rajgarh	DW	7.11	76.27	0.20	50.34	BDL	25.00	25.00	17.73	1.41	1.50	0.11	12.00	2.43	40.00	1.62	1.21	BDL
Lower subansiri	Rajgarh	DW	6.97	33.59	0.10	22.17	BDL	35.00	35.00	17.73	1.99	1.00	0.08	6.00	4.85	35.00	6.06	3.09	0.21
Papum pare	Banderdewa I	DW	7.26	99.98	BDL	65.99	BDL	35.00	35.00	24.82	4.86	0.40	0.12	8.00	3.64	35.00	9.60	5.74	0.10
Papum pare	Chimpu	DW	7.30	207.90	BDL	137.21	BDL	50.00	50.00	35.45	5.03	4.50	0.10	16.00	9.71	80.00	10.69	4.20	0.45
Papum pare	Doimukh	DW	7.73	236.60	BDL	156.16	BDL	75.00	75.00	39.00	4.09	2.30	0.19	14.00	13.35	90.00	18.81	2.43	0.75
Papum pare	Holangi	DW	8.30	223.50	0.20	147.51	10.00	80.00	90.00	28.36	10.23	0.70	0.13	20.00	12.14	100.00	11.26	1.19	BDL
Papum pare	Itanagar I	DW	7.76	190.20	0.30	125.53	BDL	70.00	70.00	21.27	29.42	13.50	0.16	18.00	18.20	120.00	8.31	2.10	0.93
Papum pare	Kimin	DW	8.35	236.10	BDL	155.83	20.00	75.00	95.00	28.36	3.97	0.20	0.18	22.00	7.28	85.00	17.15	4.27	0.05
Papum pare	Nirjuli Vill-II A	DW	7.72	184.40	BDL	121.70	BDL	70.00	70.00	35.45	16.21	1.70	0.14	12.00	9.71	70.00	13.43	2.28	8.45
Papum pare	Nirjuli Vill-II B	DW	8.31	318.20	0.60	210.01	30.00	115.00	145.00	31.91	1.09	0.30	0.19	26.00	13.35	120.00	17.53	12.21	0.55
Papum pare	Sonajuli	DW	7.53	184.90	0.30	122.03	BDL	65.00	65.00	24.82	11.47	3.80	0.18	14.00	8.50	70.00	11.90	1.95	4.18
Tirap	Borduria	DW	7.62	231.10	BDL	123.60	BDL	20.00	20.00	7.09	41.77	1.10	0.13	4.00	4.85	30.00	18.66	4.20	0.06

District	Location	Type Of Sample (EW Or DW)	pH	EC ($\mu\text{s}/\text{C m}$) 25°C	Turbi dity (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
						Conc. in mg/L													
Tirap	Deomali	DW	7.54	252.50	BDL	134.10	BDL	40.00	40.00	31.91	15.77	4.70	0.13	14.00	4.85	55.00	18.88	4.23	0.01
Tirap	Hukanjuri	DW	7.15	161.90	BDL	85.90	BDL	40.00	40.00	17.73	8.56	2.10	0.12	8.00	3.64	35.00	13.56	4.70	0.16
ASSAM																			
Baksa	Jhargaon	DW	8.37	395.70	0.90	215.90	70.00	155.00	225.00	24.82	1.62	1.30	0.05	46.00	16.99	185.00	17.01	34.92	0.94
Barpeta	Daulasal	DW	8.32	578.20	0.60	302.60	60.00	165.00	225.00	31.91	7.04	2.20	0.37	48.00	20.63	205.00	23.39	29.29	4.42
Barpeta	Howly	DW	8.59	1020.00	0.80	537.80	50.00	150.00	200.00	67.36	8.57	5.00	BDL	20.00	60.68	300.00	4.75	20.42	2.78
Barpeta	Sorbhog	DW	8.52	727.70	1.10	380.00	70.00	205.00	275.00	49.63	11.08	1.90	BDL	62.00	27.91	270.00	42.30	9.95	1.38
Bongaigaon	Abhayapuri	DW	7.19	149.10	0.70	78.16	BDL	45.00	45.00	24.82	2.38	2.40	BDL	10.00	4.85	45.00	15.91	1.65	0.15
Bongaigaon	Baitamari	DW	8.31	446.60	0.20	240.80	30.00	95.00	125.00	42.54	6.58	5.10	0.40	36.00	13.35	145.00	20.45	19.05	0.10
Bongaigaon	Bijni	DW	8.45	354.70	BDL	186.80	30.00	115.00	145.00	3.55	14.72	1.40	0.26	30.00	16.99	145.00	14.60	4.52	0.11
Bongaigaon	Bongaigaon New	DW	8.31	686.20	BDL	367.30	30.00	110.00	140.00	85.08	35.45	3.60	0.31	36.00	19.42	170.00	57.62	17.92	1.19
Bongaigaon	Chalantapara	DW	7.26	142.20	0.30	78.05	BDL	45.00	45.00	17.73	10.68	2.80	BDL	8.00	7.28	50.00	11.88	2.43	0.74
Bongaigaon	Chaprakata (Dankinamari)	DW	8.28	387.40	0.50	205.90	20.00	160.00	180.00	21.27	3.98	1.70	0.30	42.00	21.84	195.00	5.09	3.83	0.49
Bongaigaon	Chaprakata New	DW	7.58	183.70	BDL	97.39	BDL	40.00	40.00	17.73	38.14	4.40	0.24	14.00	9.71	75.00	7.69	8.37	2.54
Bongaigaon	Deohati	DW	7.44	223.40	0.10	118.80	BDL	45.00	45.00	24.82	39.72	3.80	0.11	12.00	10.92	75.00	19.68	4.17	0.62
Bongaigaon	Majgaon	DW	8.30	205.30	0.10	108.60	20.00	95.00	115.00	10.64	1.65	1.60	BDL	28.00	8.50	105.00	3.81	1.77	0.61
Bongaigaon	Manikpur	DW	8.38	368.50	0.40	193.70	40.00	170.00	210.00	28.36	1.58	0.40	BDL	40.00	23.06	195.00	25.75	13.79	0.22
Bongaigaon	Medhinipara Deo	DW	8.33	202.20	0.20	108.30	20.00	70.00	90.00	10.64	5.81	1.30	BDL	18.00	9.71	85.00	9.33	2.89	4.17
Bongaigaon	North Salmara	DW	7.34	123.10	BDL	66.14	BDL	40.00	40.00	21.27	2.82	1.30	BDL	4.00	3.64	25.00	12.07	6.04	0.51
Cachar	Atalbasti	DW	6.49	94.50	0.10	62.37	BDL	30.00	30.00	31.91	6.96	1.60	0.31	6.00	1.21	20.00	21.86	4.17	0.08
Cachar	Badribasti	DW	6.24	238.70	BDL	157.54	BDL	55.00	55.00	53.18	3.28	1.80	0.82	6.00	8.50	50.00	28.59	4.42	0.21
Cachar	Borjalinga	DW	6.62	103.00	0.10	67.98	BDL	30.00	30.00	14.18	1.99	3.00	0.70	8.00	3.64	35.00	1.32	3.62	2.56
Cachar	Borkhola	DW	6.98	249.80	0.40	164.87	BDL	70.00	70.00	31.91	9.45	1.50	0.45	16.00	4.85	60.00	14.77	7.48	2.96
Cachar	Dargakona	DW	7.21	301.20	BDL	198.79	BDL	50.00	50.00	60.27		1.80	0.67	10.00	6.07	50.00	26.77	4.49	4.19

District	Location	Type Of Sample (EW Or DW)	pH	EC ($\mu\text{s}/\text{C m}$) 25°C	Turbi dity (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
						Conc. in mg/L													
Cachar	Digharkhal	DW	8.30	533.80	BDL	352.31	10.00	95.00	105.00	81.54	8.61	2.30	0.84	30.00	4.85	95.00	46.43	4.63	0.26
Cachar	Dwarbond	DW	6.88	427.60	BDL	282.22	BDL	70.00	70.00	81.54	7.40	2.80	1.30	24.00	8.50	95.00	24.67	29.42	BDL
Cachar	Fulertol	DW	7.08	285.50	BDL	188.43	BDL	60.00	60.00	49.63	2.85	1.10	0.46	4.00	9.71	50.00	25.64	5.31	BDL
Cachar	Gosaipur Part II	DW	8.30	407.50	BDL	268.95	40.00	165.00	205.00	14.18	1.81	0.80	0.41	40.00	BDL	100.00	29.26	25.34	4.98
Cachar	Hilara	DW	7.19	382.80	0.40	252.65	BDL	50.00	50.00	67.35	1.13	1.40	0.38	12.00	9.71	70.00	3.84	36.19	1.39
Cachar	Kalin	DW	8.40	532.00	BDL	351.12	60.00	125.00	185.00	46.09	10.55	3.40	1.50	50.00	13.35	180.00	25.90	17.28	0.23
Cachar	Katigora	DW	7.51	107.20	0.20	70.75	BDL	45.00	45.00	17.73	2.27	1.50	0.39	10.00	7.28	55.00	0.85	4.22	BDL
Cachar	Masimpur	DW	8.30	534.50	BDL	352.77	40.00	140.00	180.00	24.82	3.74	1.20	0.89	48.00	13.35	175.00	2.69	16.81	2.85
Cachar	Moinarbond	DW	8.40	386.90	0.30	255.35	40.00	145.00	185.00	21.27	1.30	1.30	1.10	32.00	13.35	135.00	13.90	22.16	3.56
Cachar	Nagdirgran	DW	8.50	413.40	BDL	272.84	40.00	120.00	160.00	35.45	3.21	1.20	0.94	36.00	10.92	135.00	17.21	19.82	1.70
Cachar	Palanghat	DW	8.30	489.50	0.30	323.07	30.00	120.00	150.00	53.18	11.20	1.50	1.80	38.00	13.35	150.00	14.63	27.11	1.08
Cachar	Poilapul	DW	7.36	119.20	0.60	78.67	BDL	45.00	45.00	17.73	3.46	0.70	0.95	12.00	2.43	40.00	6.09	3.05	3.26
Cachar	Razabazar	DW	8.60	499.90	0.70	329.93	50.00	115.00	165.00	53.18	16.66	2.10	1.10	46.00	8.50	150.00	33.75	16.52	2.88
Cachar	Shicoorie	DW	6.96	436.20	0.10	287.89	BDL	55.00	55.00	85.08	13.25	1.60	0.88	20.00	7.28	80.00	16.49	35.03	2.72
Cachar	Shivachal	DW	8.30	418.00	0.80	275.88	10.00	95.00	105.00	42.54		2.00	0.96	28.00	13.35	125.00	2.54	22.37	0.05
Cachar	Shivtila	DW	7.44	220.90	0.10	145.79	BDL	40.00	40.00	31.91	4.48	1.10	0.71	10.00	6.07	50.00	4.45	13.97	0.59
Cachar	Tarapur	DW	6.25	286.40	0.20	189.02	BDL	15.00	15.00	49.63	1.54	4.90	0.87	6.00	8.50	50.00	8.44	19.06	0.39
Darrang	Bhalukmari	DW	8.30	465.60	BDL	250.00	20.00	175.00	195.00	35.45	1.76	1.70	0.47	34.00	23.06	180.00	14.78	10.89	8.65
Darrang	Dalgaon	DW	8.31	534.90	BDL	278.00	20.00	235.00	255.00	21.27	1.31	6.00	0.21	46.00	20.63	200.00	24.06	7.52	3.63
Darrang	Goroibari	DW	7.72	165.80	BDL	91.64	BDL	85.00	85.00	10.64	11.16	1.10	0.39	14.00	7.28	65.00	7.05	4.02	12.20
Darrang	Madhupur	DW	8.33	1619.00	BDL	868.00	20.00	235.00	255.00	333.23	2.16	1.80	0.15	74.00	9.71	225.00	211.90	35.24	1.03
Darrang	Mangaldoi	DW	8.61	1098.00	0.70	590.90	70.00	205.00	275.00	102.81	6.19	5.00	0.11	18.00	49.76	250.00	71.95	45.06	6.30
Darrang	Mangaldoi II	DW	8.26	176.90	0.90	96.74	10.00	75.00	85.00	14.18	5.06	1.90	0.06	18.00	7.28	75.00	9.24	3.05	1.06
Darrang	Orang	DW	8.26	320.70	BDL	178.30	20.00	130.00	150.00	17.73	1.92	2.30	0.31	42.00	6.07	130.00	10.87	3.22	0.92
Darrang	Paneri	DW	7.60	337.60	BDL	163.80	16.00	16.00	32.00	156.51	20.20	BDL	BDL	28.00	16.50	140.00	45.20	35.20	5.98

District	Location	Type Of Sample (EW Or DW)	pH	EC ($\mu\text{s}/\text{C m}$ 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
						Conc. in mg/L													
Darrang	Rowta Chariali	DW	8.41	637.30	0.10	339.40	10.00	175.00	185.00	60.27	2.81	1.40	0.32	44.00	15.78	175.00	31.92	15.42	1.75
Darrang	Tangla	DW	7.59	303.90	BDL	170.10	BDL	85.00	85.00	24.82	12.40	4.60	0.36	28.00	6.07	95.00	12.30	6.98	0.27
Darrang	Thekerabari I	DW	8.27	538.80	BDL	292.80	20.00	70.00	90.00	56.72	19.23	8.40	BDL	26.00	15.78	130.00	30.14	7.80	0.47
Darrang	Udalguri	DW	8.34	610.60	BDL	339.70	30.00	210.00	240.00	63.81	2.28	1.10	0.75	50.00	15.78	190.00	38.18	19.41	0.78
Dhemaji	Bijoypur	DW	8.12	588.90	0.20	388.67	BDL	170.00	170.00	53.18	14.40	5.60	0.45	22.00	30.34	180.00	32.87	5.60	0.07
Dhemaji	Bishnupur	DW	8.18	190.20	BDL	125.53	BDL	75.00	75.00	31.91	2.38	1.20	0.81	18.00	12.14	95.00	2.66	1.88	4.50
Dhemaji	Dipa	DW	7.96	163.60	BDL	107.98	BDL	75.00	75.00	31.91	3.75	1.40	0.72	16.00	8.50	75.00	3.42	5.30	NO SAMPLE
Dhemaji	Jonai	DW	8.16	232.50	BDL	153.45	BDL	75.00	75.00	42.54	3.31	1.80	0.36	16.00	8.50	75.00	19.52	2.66	0.09
Dhemaji	Moridhal	DW	8.01	488.10	BDL	322.15	BDL	140.00	140.00	70.90	9.53	3.80	1.10	24.00	23.06	155.00	30.98	4.13	0.69
Dhemaji	Santipur	DW	8.20	259.20	BDL	171.07	BDL	120.00	120.00	31.91	3.26	1.00	0.80	16.00	18.20	115.00	5.45	4.38	2.63
Dhemaji	Sisiborgaon	DW	7.89	153.60	BDL	101.38	BDL	45.00	45.00	39.00	3.07	2.70	0.32	12.00	8.50	65.00	13.65	4.01	0.76
Dhubri	Bagaribari	DW	7.31	202.30	0.30	109.10	BDL	80.00	80.00	28.36	2.63	1.50	0.26	10.00	7.28	55.00	10.75	20.17	4.59
Dhubri	Bahalpur	DW	7.49	84.36	0.30	45.18	BDL	35.00	35.00	14.18	1.57	2.10	BDL	6.00	2.43	25.00	8.22	0.84	2.24
Dhubri	Balajan	DW	8.49	591.80	0.10	325.00	50.00	170.00	220.00	53.18	5.11	2.30	0.28	36.00	18.20	165.00	71.14	7.04	1.66
Dhubri	Bilasipara	DW	8.35	334.30	0.40	182.40	20.00	100.00	120.00	39.00	7.41	1.80	0.31	14.00	14.56	95.00	35.48	10.11	3.91
Dhubri	Chapar	DW	8.35	205.40	BDL	111.00	10.00	60.00	70.00	24.82	5.31	4.50	0.16	14.00	8.50	70.00	15.38	3.25	0.37
Dhubri	Dakhin Tokesara Part IV	DW	8.37	709.60	0.30	379.20	40.00	150.00	190.00	88.63	8.13	2.80	0.06	38.00	33.98	235.00	53.90	1.55	0.59
Dhubri	Dhubri Town	DW	8.47	673.20	0.10	358.50	110.00	220.00	330.00	42.54	4.70	1.30	1.06	56.00	37.62	295.00	40.85	13.21	0.36
Dhubri	Hathimukda	DW	7.74	111.20	BDL	58.21	BDL	45.00	45.00	17.73	4.01	0.70	BDL	10.00	4.85	45.00	5.80	3.93	1.04
Dhubri	Matiabag (Gauripur)	DW	8.89	645.10	0.40	348.00	80.00	165.00	245.00	17.73	3.75	1.90	0.35	42.00	27.91	220.00	44.25	5.13	0.60
Dhubri	Rupshi	DW	7.90	445.30	BDL	250.50	8.00	48.00	56.00		13.70	BDL	0.17	24.00	6.10	85.00	58.90	27.50	BDL
Dhubri	Shapamari Beat	DW	7.40	56.30	BDL	29.65	BDL	40.00	40.00	7.09	1.52	0.90	0.24	6.00	3.64	30.00	4.46	0.59	0.30

District	Location	Type Of Sample (EW Or DW)	pH	EC ($\mu\text{s}/\text{C m}$) 25°C	Turbi dity (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
						Conc. in mg/L													
Dhubri	Sonamukhi	DW	7.25	64.95	0.20	34.89	BDL	40.00	40.00	10.64	1.58	1.10	0.01	4.00	2.43	20.00	9.50	4.27	2.41
Dibrugarh	Azarguri	DW	8.41	612.30	0.10	322.10	30.00	240.00	270.00	24.82	3.21	3.30	0.24	44.00	30.34	235.00	25.63	11.56	0.55
Dibrugarh	Barbaruah	DW	8.50	595.10	BDL	312.10	30.00	210.00	240.00	35.45	2.80	2.60	0.17	34.00	32.77	220.00	18.67	13.95	0.59
Dibrugarh	Chabua	DW	8.42	362.70	0.10	191.00	20.00	145.00	165.00	14.18	1.85	1.20	0.20	50.00	7.28	155.00	10.04	2.68	0.44
Dibrugarh	Dikom	DW	8.30	268.70	BDL	143.20	10.00	160.00	170.00	14.18	1.37	1.30	0.20	36.00	7.28	120.00	8.71	21.19	0.11
Dibrugarh	Domar Dolong	TW	7.78	295.20	BDL	156.50	BDL	60.00	60.00	42.54	7.80	2.30	0.14	16.00	8.50	75.00	21.62	2.19	1.82
Dibrugarh	Lepetkata	DW	7.99	285.10	BDL	149.10	BDL	90.00	90.00	14.18	13.09	1.00	0.15	24.00	6.07	85.00	8.16	11.36	0.15
Dimapur	Zakesatho Colony	DW	7.00	697.20	1.80	357.30	BDL	55.00	55.00	109.90	9.73	4.50	0.34	22.00	3.64	70.00	66.29	15.20	0.15
Goalpara	Agia	DW	8.33	221.80	0.60	146.39	20.00	115.00	135.00	24.82	1.80	1.50	0.73	20.00	10.92	95.00	20.49	9.24	0.85
Goalpara	Baida	DW	6.64	74.43	0.70	49.12	BDL	30.00	30.00	24.82	1.30	1.60	0.11	4.00	4.85	30.00	9.20	4.47	0.52
Goalpara	Bhalukdubi (Goalpara)	DW	8.33	183.20	0.50	120.91	10.00	85.00	95.00	21.27	0.16	0.40	0.15	24.00	9.71	100.00	3.07	1.53	0.72
Goalpara	Demra	DW	7.12	164.40	0.60	108.50	BDL	55.00	55.00	28.36	4.47	4.10	0.23	6.00	10.92	60.00	12.10	3.85	1.32
Goalpara	Dudhnoi	DW	7.74	362.90	0.70	239.51	BDL	110.00	110.00	77.99	7.80	2.00	0.07	14.00	12.14	85.00	42.90	11.49	0.69
Goalpara	Dwarka	DW	7.43	225.10	0.90	148.57	BDL	85.00	85.00	28.36	3.81	1.30	0.22	20.00	13.35	105.00	4.98	4.59	1.53
Goalpara	Krishnai New	DW	7.05	137.60	0.80	90.82	BDL	50.00	50.00	31.91	1.46	1.10	0.08	10.00	8.50	60.00	10.98	2.94	0.90
Goalpara	Salpara	DW	6.66	109.00	0.30	71.94	BDL	35.00	35.00	31.91	1.15	0.80	0.06	2.00	4.85	25.00	12.48	11.91	0.68
Goalpara	Teuli	DW	7.56	197.50	0.20	130.35	BDL	50.00	50.00	35.45	2.34	3.70	0.12	12.00	10.92	75.00	11.10	4.87	0.37
Golaghat	Bokakhat	DW	6.98	170.90	0.10	86.68	BDL	185.00	185.00	10.64	5.11	0.10	0.86	12.00	2.43	40.00	33.49	51.93	1.34
Golaghat	Bongaon, NH 37	DW	8.25	481.10	BDL	215.10	40.00	135.00	175.00	17.73	2.13	0.60	0.30	46.00	16.99	185.00	20.71	4.41	0.65
Golaghat	Butalikua	DW	8.54	323.40	0.10	164.10	20.00	115.00	135.00	10.64	88.51	4.30	1.20	44.00	81.31	445.00	4.39	2.12	0.89
Golaghat	Gandhibari Namghar	DW	8.69	529.20	1.30	268.30	90.00	225.00	315.00	24.82	3.04	1.70	0.21	24.00	4.85	80.00	90.60	56.85	3.06
Golaghat	Garampani	DW	8.30	438.00	BDL	221.90	10.00	65.00	75.00	70.90	6.49	0.30	1.20	18.00	26.70	155.00	27.45	1.95	2.40
Golaghat	Garigaon	DW	8.37	524.00	BDL	268.90	40.00	150.00	190.00	31.91	20.23	3.10	2.00	46.00	2.43	125.00	23.68	49.08	0.40
Golaghat	Haldibari Buri Ai	DW	8.48	687.60	0.50	348.20	70.00	230.00	300.00	39.00	12.32	1.30	2.00	34.00	BDL	85.00	96.61	79.61	0.62

District	Location	Type Of Sample (EW Or DW)	pH	EC ($\mu\text{s}/\text{C m}$) 25°C	Turbi dity (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
						Conc. in mg/L													
Golaghat	Kohra Kaziranga	DW	7.10	308.50	BDL	153.40	BDL	75.00	75.00	31.91	8.34	1.20	0.34	22.00	3.64	70.00	15.94	20.85	0.71
Golaghat	Oating	DW	8.30	401.20	BDL	202.40	10.00	70.00	80.00	53.18	9.72	1.50	1.90	20.00	20.63	135.00	15.82	2.25	3.29
Hailakandi	Burakhai	DW	8.30	195.40	0.60	128.96	10.00	75.00	85.00	21.27	8.20	0.90	0.99	18.00	4.85	65.00	22.06	10.69	0.87
Hailakandi	Katlicherra New	DW	8.40	407.40	0.80	268.88	40.00	155.00	195.00	10.63	6.34	0.80	0.58	32.00	4.85	100.00	25.76	35.23	0.23
Hailakandi	Lakhinagar	DW	8.40	341.10	BDL	225.13	60.00	130.00	190.00	10.63	2.80	0.80	1.40	32.00	9.71	120.00	31.71	17.47	0.47
Hailakandi	Lala	DW	8.30	253.20	BDL	167.11	10.00	320.00	330.00	21.27	2.95	4.60	0.65	26.00	7.28	95.00	61.47	69.73	BDL
Hailakandi	Monachara	DW	8.30	462.30	0.70	305.12	40.00	110.00	150.00	49.63	2.43	0.80	0.96	30.00	15.78	140.00	31.48	27.66	1.00
Hailakandi	Pamchgram New	DW	7.62	302.70	0.10	199.78	BDL	65.00	65.00	42.54	7.27	5.60	0.86	12.00	10.92	75.00	5.12	21.79	1.74
Hailakandi	Syed Bond Partii	DW	8.30	585.40	0.20	386.36	40.00	150.00	190.00	42.54	7.02	1.10	0.91	34.00	23.06	180.00	8.31	29.02	0.29
Jorhat	Bijay Nagar	DW	7.85	227.50	BDL	106.70	BDL	50.00	50.00	24.82	1.19	1.10	0.48	8.00	6.07	45.00	15.08	2.88	1.66
Jorhat	Cinemora	DW	8.26	1257.00	BDL	607.70	60.00	165.00	225.00	205.61	22.94	3.50	1.00	46.00	7.28	145.00	132.90	65.49	6.17
Jorhat	Dabarapara Chariali	DW	7.59	511.90	BDL	255.70	BDL	80.00	80.00	46.09	6.24	0.90	2.50	16.00	1.21	45.00	34.49	27.98	NO SAMPLE
Jorhat	Ghatisunga	DW	8.33	547.60	BDL	279.60	30.00	105.00	135.00	67.36	15.01	0.80	0.95	32.00	20.63	165.00	38.73	10.12	1.44
Jorhat	Kamarbandha TE	DW	8.26	502.50	BDL	254.40	70.00	205.00	275.00	7.09	1.19	3.90	0.90	28.00	15.78	135.00	43.83	51.12	6.20
Jorhat	Kokilamukh	DW	8.29	483.90	BDL	239.30	30.00	155.00	185.00	14.18	1.15	0.70	2.40	34.00	2.43	95.00	13.55	39.74	9.58
Jorhat	Kunwari Pukuri	DW	7.49	175.70	BDL	159.60	BDL	55.00	55.00	17.73	62.95	1.20	0.63	8.00	25.49	125.00	8.29	2.17	2.97
Jorhat	Lichubari	DW	6.63	262.00	1.80	134.20	BDL	40.00	40.00	39.00	4.00	1.20	1.50	4.00	3.64	25.00	24.19	4.72	5.03
Jorhat	Meleng Kaparadharia	DW	7.30	212.20	BDL	102.60	BDL	40.00	40.00	34.82	85.40	1.60	0.32	6.00	40.05	180.00	1.02	5.98	0.59
Jorhat	Sodial Kachari Gaon	DW	8.29	410.20	0.10	207.80	50.00	175.00	225.00	7.09	2.92	2.20	1.50	12.00	2.43	40.00	56.70	40.84	14.04
Jorhat	Titabor	DW	8.28	702.30	BDL	355.70	60.00	185.00	245.00	60.27	8.31	1.30	0.45	46.00	8.50	150.00	58.10	36.06	0.49
Kamrup	Abhaipur	DW	8.31	1100.00	2.40	548.50	60.00	150.00	210.00	95.72	15.53	2.80	0.57	48.00	41.26	290.00	40.53	17.41	2.95

District	Location	Type Of Sample (EW Or DW)	pH	EC ($\mu\text{s}/\text{C m}$) 25°C	Turbi dity (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
						Conc. in mg/L													
Kamrup	Abhayapuri	DW	7.07	287.80	0.20	145.30	BDL	90.00	90.00	17.73	9.23	2.30	0.52	20.00	4.85	70.00	21.46	1.90	
Kamrup	Agyathuri	DW	7.90	252.80	1.30	149.00	BDL	28.00	28.00	3.40		BDL	0.63	14.00	7.29	65.00	9.42	4.56	1.00
Kamrup	Alikash Adarsh	DW	8.36	450.40	1.00	237.90	30.00	125.00	155.00	24.82	30.45	2.80	0.19	20.00	36.41	200.00	15.04	4.12	1.18
Kamrup	Amingaon	DW	7.32	395.50	0.20	199.40	BDL	190.00	190.00	21.27	1.87	2.70	0.96	22.00	15.78	120.00	33.28	0.59	0.64
Kamrup	Askwaktanta Temple	DW	7.56	467.50	0.10	235.80	BDL	150.00	150.00	31.91	11.60	2.10	0.36	32.00	13.35	135.00	27.41	2.31	0.52
Kamrup	Azara PHC	DW	7.23	235.30	BDL	119.80	BDL	125.00	125.00	14.18	1.62	3.20	0.31	12.00	10.92	75.00	16.49	19.83	BDL
Kamrup	Bakarapara	DW	7.18	244.80	0.30	125.30	BDL	105.00	105.00	14.18	1.62	2.50	0.32	22.00	4.85	75.00	13.56	1.18	0.32
Kamrup	Bamunigaon	DW	6.73	66.02	0.70	43.57	BDL	30.00	30.00	24.82	1.05	1.40	0.33	6.00	7.28	45.00	5.19	1.46	0.42
Kamrup	Basistha FG	DW	10.74	433.20	0.10	247.80	18.00	158.60	160.00	14.18	11.27	3.30	0.39	50.00	4.85	145.00	98.21	56.41	0.87
Kamrup	Boko	DW	8.32	268.40	0.30	177.14	20.00	120.00	140.00	31.91	1.93	1.50	0.70	18.00	14.56	105.00	18.27	14.25	1.29
Kamrup	Boragaon	DW	7.08	372.70	0.30	179.10	BDL	160.00	160.00	10.64	1.43	7.70	0.54	16.00	19.42	120.00	18.73	1.55	4.32
Kamrup	Chandrapur	DW	7.62	1005.00	0.10	515.90	BDL	150.00	150.00	159.53	12.80	4.00	0.26	46.00	32.77	250.00	56.16	16.21	0.69
Kamrup	Chhaygaon	DW	8.28	712.90	0.60	470.51	50.00	205.00	255.00	74.45	7.29	1.20	0.34	26.00	48.54	265.00	43.80	1.33	1.76
Kamrup	Choosali, Madhabpur	DW	6.85	810.80	BDL	410.00	BDL	80.00	80.00	77.99	6.27	21.50	0.39	30.00	23.06	170.00	11.59	5.86	0.20
Kamrup	Darkuchi	DW	8.51	221.30	0.60	121.40	10.00	65.00	75.00	17.73	5.60	1.10	0.25	8.00	3.64	35.00	20.64	17.78	4.95
Kamrup	Dora Kahara	DW	8.30	462.70	0.40	255.20	30.00	110.00	140.00	39.00	15.36	3.40	0.44	40.00	16.99	170.00	24.92	6.14	1.02
Kamrup	Ganesh Mandir, Narengi	DW	6.90	575.00	0.30	290.60	BDL	65.00	65.00	60.27	5.55	14.70	0.42	28.00	16.99	140.00	4.60	7.99	0.23
Kamrup	Garigaon	DW	7.36	361.10	0.30	182.30	BDL	125.00	125.00	24.82	5.81	1.60	0.45	26.00	8.50	100.00	20.39	4.62	4.88
Kamrup	Hajo	DW	8.30	314.10	1.10	164.50	40.00	110.00	150.00	10.64	5.45	0.90	0.32	16.00	14.56	100.00	33.90	1.47	1.14
Kamrup	Hengerabari	DW	7.13	854.50	BDL	428.00	BDL	165.00	165.00	109.90	2.01	5.10	0.48	28.00	20.63	155.00	61.53	7.84	8.79
Kamrup	Kacharibasti Christian	DW	7.53	1024.00	BDL	516.90	BDL	280.00	280.00	124.08	1.98	2.00	0.86	52.00	18.20	205.00	50.88	47.13	4.24
Kamrup	Kahilipara	DW	7.25	934.60	0.70	471.50	BDL	250.00	250.00	92.17	3.15	3.30	0.42	40.00	23.06	195.00	51.77	8.03	0.06

District	Location	Type Of Sample (EW Or DW)	pH	EC ($\mu\text{s}/\text{C m}$ 25°C)	Turbi dity (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
						Conc. in mg/L													
Kamrup	Khanapara Sc. Museum	DW	7.55	910.50	BDL	464.10	BDL	150.00	150.00	155.98	9.09	5.00	0.98	34.00	19.42	165.00	88.05	9.93	0.25
Kamrup	Lachitpur	DW	7.51	811.50	0.20	409.50	BDL	205.00	205.00	99.26	14.57	3.40	1.95	38.00	25.49	200.00	65.29	7.54	5.54
Kamrup	Lakhara Chariali	DW	6.86	382.10	BDL	196.10	BDL	75.00	75.00	63.81	1.74	4.40	0.42	14.00	8.50	70.00	35.72	2.83	0.45
Kamrup	Lakshmi Mandir	DW	7.42	873.30	BDL	439.90	BDL	210.00	210.00	95.72	10.01	2.30	0.29	28.00	23.06	165.00	73.48	11.28	0.74
Kamrup	Lalganesh Chariali	DW	8.30	1715.00	BDL	866.80	20.00	350.00	370.00	230.43	8.95	4.30	0.56	72.00	19.42	260.00	147.56	14.46	BDL
Kamrup	Mairapatti	DW	7.14	900.50	BDL	454.80	BDL	230.00	230.00	95.72	13.32	5.40	0.70	48.00	26.70	230.00	50.76	21.30	9.68
Kamrup	Maligaon	DW	7.72	828.90	0.30	416.70	BDL	255.00	255.00	70.90	5.92	2.40	0.87	34.00	21.84	175.00	47.74	14.31	0.52
Kamrup	Mirza	DW	8.35	357.00	1.00	235.62	30.00	155.00	185.00	28.36	1.11	1.10	3.27	22.00	19.42	135.00	28.48	6.17	1.18
Kamrup	Narengi	DW	8.30	1184.00	BDL	606.30	20.00	345.00	365.00	127.62	4.22	9.10	1.25	42.00	32.77	240.00	100.63	12.68	0.51
Kamrup	Odalbakra	DW	7.27	1480.00	0.90	744.50	BDL	330.00	330.00	187.89	1.96	7.80	1.28	42.00	29.13	225.00	114.16	17.57	BDL
Kamrup	Paltan Bazar	DW	8.31	1249.00	BDL	635.40	10.00	385.00	395.00	116.99	3.01	4.00	0.41	40.00	36.41	250.00	91.91	23.48	0.59
Kamrup	Panikhaiti	DW	7.76	450.20	0.20	225.50	BDL	180.00	180.00	17.73	4.80	3.90	0.89	36.00	19.42	170.00	9.13	1.48	0.02
Kamrup	Panjabari	DW	7.26	332.40	BDL	167.10	BDL	110.00	110.00	24.82	2.67	2.40	0.78	20.00	8.50	85.00	21.74	2.34	1.41
Kamrup	Patgaon	DW	6.99	775.20	BDL	390.10	BDL	140.00	140.00	92.17	14.59	6.90	0.26	28.00	12.14	120.00	57.65	27.27	3.72
Kamrup	Patherquery	DW	7.10	861.80	0.50	439.60	BDL	290.00	290.00	67.35	1.41	15.60	1.02	48.00	19.42	200.00	64.89	13.27	1.12
Kamrup	Rangia	DW	8.31	233.40	0.50	126.50	20.00	95.00	115.00	17.73	5.72	1.30	0.22	4.00	7.28	40.00	21.10	31.60	4.60
Kamrup	Rani	DW	7.77	138.00	0.90	91.08	BDL	40.00	40.00	24.82	3.86	0.70	0.13	8.00	6.07	45.00	7.95	4.89	0.75
Kamrup	Sonapur	DW	6.76	338.10	0.10	223.15	BDL	70.00	70.00	42.54	11.60	0.10	0.53	22.00	6.07	80.00	19.15	16.29	1.27
Kamrup	Sualkuchi	DW	8.30	1779.00	0.80	926.70	80.00	240.00	320.00	212.70	15.87	4.40	0.43	16.00	77.67	360.00	90.18	72.04	1.50
Kamrup	Survey Odalbakra	DW	8.30	1111.00	0.50	559.70	20.00	265.00	285.00	127.62	5.19	3.60	1.35	42.00	31.55	235.00	75.44	7.79	0.52
Kamrup	Vishwakarma Temple	DW	7.35	897.30	BDL	448.20	BDL	195.00	195.00	99.26	6.82	6.10	0.62	42.00	19.42	185.00	64.40	10.81	0.16
Kamrup	Wireless	DW	7.54	977.60	0.30	499.90	BDL	340.00	340.00	81.53	1.65	4.80	1.06	24.00	32.77	195.00	85.22	5.69	5.38

District	Location	Type Of Sample (EW Or DW)	pH	EC ($\mu\text{s}/\text{C m}$) 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
						Conc. in mg/L													
Kamrup	Zoo Narengi Road HS	DW	7.70	1171.00	BDL	585.50	BDL	295.00	295.00	148.89	6.58	3.20	0.98	34.00	27.91	200.00	103.23	6.75	0.10
Karbi anglong	Adarakha Tiniali	DW	8.40	929.10	BDL	487.00	60.00	235.00	295.00	42.54	4.43	1.90	1.10	24.00	7.28	90.00	81.85	59.06	2.52
Karbi anglong	Amlokhi	DW	8.30	1449.00	2.10	744.30	40.00	550.00	590.00	127.62	1.80	1.40	1.10	68.00	4.85	190.00	162.42	91.50	0.53
Karbi anglong	Balipathar	DW	7.42	139.00	4.20	69.28	BDL	25.00	25.00	21.27	5.19	2.00	0.60	6.00	4.85	35.00	8.15	4.01	0.43
Karbi anglong	Bokajan I	DW	7.46	378.90	0.10	193.10	BDL	60.00	60.00	56.72	2.15	4.40	0.91	22.00	4.85	75.00	29.37	0.63	0.13
Karbi anglong	Bokajan II	DW	7.58	357.40	BDL	182.80	BDL	65.00	65.00	60.27	4.98	1.70	0.93	14.00	7.28	65.00	35.95	1.03	0.14
Karbi anglong	Bokoliaghat	DW	7.18	318.40	0.10	161.40	BDL	20.00	20.00	70.90	1.85	2.40	0.99	8.00	3.64	35.00	31.65	23.34	0.29
Karbi anglong	Deopani	DW	8.30	477.80	BDL	243.50	30.00	155.00	185.00	42.54	6.07	0.70	0.20	38.00	16.99	165.00	27.33	11.87	1.20
Karbi anglong	Dillai	DW	8.26	570.40	BDL	288.50	20.00	95.00	115.00	74.45	14.26	BDL	1.07	30.00	16.99	145.00	34.16	4.53	0.50
Karbi anglong	Diphu	DW	8.44	1262.00	0.30	643.60	80.00	150.00	230.00	70.90	75.21	0.30	2.30	98.00	53.40	465.00	4.65	6.18	0.96
Karbi anglong	Dishobai	DW	7.83	344.80	BDL	178.30	BDL	70.00	70.00	49.63	6.60	BDL	0.15	16.00	6.07	65.00	24.53	31.10	2.40
Karbi anglong	Hidipi	DW	8.30	464.70	BDL	233.40	50.00	115.00	165.00	28.36	5.91	1.60	0.29	44.00	10.92	155.00	11.12	26.96	0.32
Karbi anglong	Khatkhati	DW	8.31	446.10	0.30	224.40	40.00	125.00	165.00	35.45	3.34	0.80	0.60	48.00	3.64	135.00	20.08	32.57	0.27
Karbi anglong	Khatkhati (Matipul Namgarh)	DW	7.24	199.80	1.70	101.20	BDL	100.00	100.00	10.64	1.99	1.50	0.98	28.00	2.43	80.00	8.92	1.88	1.70
Karbi anglong	Lahorijan	DW	7.21	1227.00	1.80	615.50	BDL	120.00	120.00	237.52	16.22	7.50	1.40	48.00	25.49	225.00	104.60	8.25	0.14
Karbi anglong	Lakhijan	DW	7.05	209.10	1.80	106.70	BDL	75.00	75.00	21.27	2.01	0.60	0.89	18.00	1.21	50.00	8.90	15.96	0.53
Karbi anglong	Lumding Rd.	DW	8.31	673.20	1.90	344.60	20.00	355.00	375.00	17.73	2.12	2.30	0.41	46.00	26.70	225.00	51.99	41.01	0.29
Karbi anglong	Manja	DW	7.80	367.70	BDL	185.70	BDL	50.00	50.00	63.81	4.15	1.00	2.60	16.00	7.28	70.00	32.36	3.80	2.76
Karbi anglong	Mohendijua	DW	6.78	272.50	1.90	136.10	BDL	45.00	45.00	53.18	2.01	0.50	0.92	14.00	6.07	60.00	18.44	12.09	0.51
Karbi anglong	Phonglangso	DW	8.50	521.50	1.80	260.90	50.00	250.00	300.00	10.64	3.45	0.10	0.80	26.00	27.91	180.00	42.79	27.80	1.42
Karbi anglong	Sapekhati	DW	8.30	299.70	BDL	149.60	30.00	100.00	130.00	21.27	1.26	1.10	1.60	8.00	15.78	85.00	18.06	41.47	0.93
Karbi anglong	Saphapani	DW	7.20	163.40	2.30	78.49	BDL	35.00	35.00	7.09	22.01	0.70	1.90	4.00	7.28	40.00	8.18	2.41	1.81
Karbi anglong	Silanjan	DW	6.25	263.00	1.80	133.00	BDL	20.00	20.00	70.90	5.47	1.90	1.90	6.00	3.64	30.00	25.79	37.89	0.13

District	Location	Type Of Sample (EW Or DW)	pH	EC ($\mu\text{s}/\text{C m}$ 25°C)	Turbi dity (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
						Conc. in mg/L													
Karbi anglong	Terangaon	DW	7.00	271.40	1.70	137.40	BDL	120.00	120.00	24.82	5.11	0.90	0.25	22.00	7.28	85.00	10.65	33.22	1.67
Karbi-anglong	Phuloni	DW	8.30	636.20	0.10	419.89	40.00	265.00	305.00	56.72	2.96	0.50	1.80	62.00	15.78	220.00	49.93	11.90	0.85
Karbi-anglong	Swarghati	DW	8.40	521.10	BDL	343.93	50.00	315.00	365.00	7.09	6.90	6.30	0.80	32.00	15.78	145.00	79.75	1.65	7.15
Karimganj	Badarpur	DW	7.25	368.20	0.20	243.01	BDL	55.00	55.00	21.27	37.38	23.30	0.15	22.00	15.78	120.00	8.80	5.93	BDL
Karimganj	Dhaulia	DW	8.30	481.30	0.20	317.66	10.00	135.00	145.00	24.82	4.83	1.30	0.27	28.00	6.07	95.00	11.31	29.38	BDL
Karimganj	Hatikira	DW	7.53	88.93	BDL	58.69	BDL	50.00	50.00	24.82	1.49	0.20	0.17	6.00	6.07	40.00	15.60	2.61	2.80
Karimganj	Kalinagar	DW	8.39	390.90	0.60	257.99	30.00	115.00	145.00	24.82	15.00	7.30	0.39	22.00	19.42	135.00	32.14	4.93	6.62
Karimganj	Karimganj	DW	8.11	948.60	BDL	626.08	50.00	155.00	205.00	77.99	3.24	1.40	0.26	20.00	35.19	195.00	41.98	2.80	3.46
Karimganj	Kayasthagram	DW	8.33	681.20	0.30	449.59	90.00	160.00	250.00	60.27	5.70	0.90	0.24	30.00	35.19	220.00	38.24	25.77	2.60
Karimganj	Patharkandi	DW	7.50	247.70	0.80	163.48	BDL	100.00	100.00	24.82	2.12	1.50	0.22	20.00	10.92	95.00	6.36	1.75	BDL
Karimganj	R K Nagar	DW	8.32	364.90	0.70	240.83	50.00	150.00	200.00	31.91	1.06	1.20	0.35	22.00	21.84	145.00	31.82	5.14	5.33
Karimganj	Sarkaribari	DW	8.40	452.90	0.50	298.91	50.00	115.00	165.00	53.18	4.17	1.00	0.18	24.00	25.49	165.00	28.47	2.97	1.91
Lakhimpur	Amguri	DW	8.06	257.60	BDL	170.02	BDL	85.00	85.00	31.91	4.40	1.60	1.80	22.00	7.28	85.00	10.29	4.27	0.40
Lakhimpur	Bhogpur	DW	8.07	392.10	BDL	258.79	BDL	180.00	180.00	35.45	9.50	0.80	0.56	24.00	25.49	165.00	9.23	2.66	4.33
Lakhimpur	Bihpuria	DW	7.91	339.10	BDL	223.81	BDL	160.00	160.00	31.91	2.10	0.40	0.71	24.00	18.20	135.00	8.93	5.82	0.97
Lakhimpur	Borbil Tariyani	DW	8.04	319.10	BDL	210.61	BDL	150.00	150.00	31.91	4.50	2.10	0.45	24.00	18.20	135.00	9.08	7.16	0.44
Lakhimpur	Dirgha	DW	7.73	137.10	BDL	90.49	BDL	20.00	20.00	31.91	8.65	3.60	0.24	8.00	10.92	65.00	3.43	5.32	0.23
Lakhimpur	Harmoti	DW	7.53	524.10	BDL	345.91	BDL	145.00	145.00	74.45	2.87	1.40	0.70	20.00	18.20	125.00	31.58	11.93	2.45
Lakhimpur	Laluk	DW	8.19	679.30	BDL	448.34	BDL	165.00	165.00	95.72	9.72	3.10	0.85	22.00	21.84	145.00	42.46	16.68	0.40
Lakhimpur	Madhupur	DW	7.90	147.90	BDL	97.61	BDL	70.00	70.00	35.45	3.50	0.90	0.85	14.00	7.28	65.00	6.36	22.90	2.68
Lakhimpur	Milanpur		8.10	172.50	BDL	113.85	BDL	80.00	80.00	24.82	2.48	1.90	0.60	22.00	4.85	75.00	2.14	14.82	BDL
Lakhimpur	Mori Dirgha	DW	8.17	238.80	0.20	157.61	BDL	105.00	105.00	35.45	1.80	1.00	0.63	18.00	14.56	105.00	2.90	9.23	4.20
Lakhimpur	Naharbari Forest Camp	DW	8.16	141.10	0.30	93.13	BDL	75.00	75.00	28.36	5.91	1.50	0.36	18.00	4.85	65.00	1.82	25.71	1.20
Lakhimpur	Pathalipam	DW	7.91	127.90	BDL	84.41	BDL	50.00	50.00	38.99	5.00	1.10	0.13	12.00	4.85	50.00	4.16	32.81	0.77
Lakhimpur	Pathalipam-II	DW	7.33	29.44	BDL	19.43	BDL	30.00	30.00	49.63	2.68	0.80	0.11	10.00	3.64	40.00	7.49	30.38	0.13
Lakhimpur	Rupahi Line	DW	7.61	60.33	BDL	39.82	BDL	30.00	30.00	28.36	6.24	1.50	0.12	6.00	4.85	35.00	15.69	1.39	0.19

District	Location	Type Of Sample (EW Or DW)	pH	EC ($\mu\text{s}/\text{C m}$ 25°C)	Turbi dity (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
						Conc. in mg/L													
Morigaon	Baghara	DW	8.50	662.20	BDL	437.05	30.00	215.00	245.00	10.64	32.10	0.80	0.31	50.00	9.71	165.00	43.67	29.31	0.73
Morigaon	Deosal	DW	7.32	142.40	BDL	93.98	BDL	50.00	50.00	60.27	1.30	0.20	0.54	18.00	3.64	60.00	25.47	2.10	1.53
Morigaon	Garmari Gaon	DW	8.50	408.20	0.30	269.41	30.00	285.00	315.00	49.63	1.10	1.50	0.43	42.00	9.71	145.00	83.16	2.58	0.53
Morigaon	Jagiroad	DW	7.58	419.50	BDL	276.87	BDL	115.00	115.00	24.82	45.30	0.50	0.32	30.00	10.92	120.00	25.10	13.34	1.67
Morigaon	Kumoi	DW	8.30	983.40	0.50	649.04	60.00	390.00	450.00	49.63	21.83	2.10	0.43	64.00	33.98	300.00	76.56	4.22	7.68
Morigaon	Morigaon	DW	7.69	210.90	0.60	139.19	BDL	90.00	90.00	39.00	3.58	0.30	0.42	16.00	10.92	85.00	19.93	3.18	0.56
Nagaon	Beldonga Mandir	DW	7.62	123.00	BDL	81.18	BDL	85.00	85.00	152.44	21.40	1.90	1.10	14.00	6.07	60.00	104.31	1.09	0.80
Nagaon	Bordowa	DW	8.30	519.20	BDL	342.67	50.00	175.00	225.00	39.00	9.40	1.10	0.61	32.00	19.42	160.00	49.13	3.07	0.67
Nagaon	Dhing	DW	8.40	568.90	BDL	375.47	50.00	235.00	285.00	56.72	19.70	0.80	0.31	46.00	27.91	230.00	53.89	6.48	1.10
Nagaon	Doboka	DW	7.46	168.00	0.40	110.88	BDL	65.00	65.00	17.73	5.77	0.50	0.75	14.00	4.85	55.00	5.43	5.22	2.90
Nagaon	Gomotha	DW	8.50	694.00	0.10	458.04	60.00	360.00	420.00	49.63	24.85	0.80	0.42	40.00	41.26	270.00	80.84	5.34	0.75
Nagaon	Haldiati Sub Bt	DW	7.85	210.30	0.20	138.80	BDL	70.00	70.00	39.00	25.20	0.80	1.10	12.00	8.50	65.00	33.74	3.39	0.49
Nagaon	Hatenibatha	DW	8.30	999.80	0.30	659.87	30.00	380.00	410.00	152.44	1.80	0.90	0.68	46.00	54.61	340.00	89.33	1.99	1.62
Nagaon	Jurapukhuri	DW	8.40	599.50	BDL	395.67	40.00	220.00	260.00	38.99	6.80	1.50	0.53	46.00	15.78	180.00	46.53	5.38	1.49
Nagaon	Kathiatoli	DW	8.30	600.10	BDL	396.07	40.00	165.00	205.00	56.72	11.34	1.20	0.59	34.00	19.42	165.00	37.85	15.46	0.64
Nagaon	Naltoli	DW	7.59	324.50	0.10	214.17	BDL	160.00	160.00	17.73	2.10	1.10	0.97	38.00	8.50	130.00	4.06	8.08	0.45
Nagaon	Phulaguri	DW	8.30	311.70	BDL	158.90	40.00	110.00	150.00	14.18	4.86	BDL	0.40	32.00	7.28	110.00	29.14	2.71	0.64
Nagaon	Silghat	DW	8.50	578.50	BDL	381.81	20.00	260.00	280.00	39.00	2.68	1.50	0.78	52.00	26.70	240.00	22.81	3.11	1.15
Nagaon	Sulung P O	DW	8.50	794.00	BDL	524.04	30.00	265.00	295.00	102.81	1.20	5.10	0.36	36.00	31.55	220.00	83.36	4.16	0.81
Nalbari	Tamulpur	DW	8.27	445.80	0.30	242.40	30.00	110.00	140.00	35.45	11.33	1.90	0.03	32.00	16.99	150.00	20.34	6.08	0.24
Sibasagar	Bandarmari	DW	8.31	440.80	BDL	223.30	40.00	140.00	180.00	21.27	12.35	0.80	0.10	40.00	3.64	115.00	51.91	4.11	0.55
Sibasagar	Borkula	TW	8.30	197.70	BDL	102.80	BDL	110.00	110.00	3.54	1.23	0.50	0.18	14.00	8.50	70.00	11.51	1.44	1.35
Sibasagar	Demow Sokan	DW	8.25	301.10	BDL	150.30	40.00	110.00	150.00	14.18	41.98	BDL	0.93	20.00	42.48	225.00	7.51	3.67	0.56
Sibasagar	Garbhaga	TW	8.37	298.30	0.10	158.10	30.00	150.00	180.00	7.09	1.41	1.10	0.20	16.00	10.92	85.00	33.63	21.77	1.11
Sonitpur	Balipara	DW	8.02	495.20	0.30	326.83	BDL	125.00	125.00	70.90	10.59	1.10	0.58	18.00	18.20	120.00	38.02	9.71	0.28

District	Location	Type Of Sample (EW Or DW)	pH	EC ($\mu\text{s}/\text{C m}$) 25°C	Turbi dity (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
						Conc. in mg/L													
Sonitpur	Behali	DW	7.72	186.50	BDL	123.09	BDL	85.00	85.00	35.45		0.90	0.52	10.00	12.14	75.00	11.97	7.83	0.23
Sonitpur	Biswanath Chariali	DW	8.25	311.30	0.40	205.46	BDL	100.00	100.00	49.63	1.58	0.60	0.49	22.00	15.78	120.00	13.10	1.74	0.46
Sonitpur	Biswanath Ghat	DW	8.13	654.50	0.10	431.97	BDL	125.00	125.00	88.63	23.52	6.10	0.86	22.00	31.55	185.00	34.94	18.54	0.72
Sonitpur	Borchola	DW	7.48	166.80	BDL	110.09	BDL	55.00	55.00	21.27	4.44	2.70	0.10	8.00	12.14	70.00	5.22	7.01	0.07
Sonitpur	Buroi	DW	8.16	283.30	BDL	186.98	BDL	130.00	130.00	42.54	3.07	0.40	0.20	32.00	15.78	145.00	1.53	5.79	0.90
Sonitpur	Charduar	DW	7.98	565.20	BDL	373.03	BDL	140.00	140.00	53.18	19.32	14.00	0.42	22.00	30.34	180.00	20.94	14.68	0.12
Sonitpur	Dhekiajuli	DW	7.76	232.60	0.50	153.52	BDL	70.00	70.00	42.54	3.04	0.80	0.18	16.00	4.85	60.00	17.95	7.95	0.62
Sonitpur	Garumari	DW	7.52	245.60	BDL	162.10	BDL	75.00	75.00	28.36	9.84	1.80	0.19	14.00	10.92	80.00	11.63	7.68	0.33
Sonitpur	Kheroni	DW	8.49	586.30	0.10	386.96	30.00	75.00	105.00	88.63	15.76	0.80	0.81	24.00	15.78	125.00	63.38	9.80	3.43
Sonitpur	Sotia	DW	8.08	271.50	BDL	179.19	BDL	90.00	90.00	46.09	4.54	2.30	1.20	12.00	16.99	100.00	12.73	8.93	4.65
Sonitpur	Tezpur	DW	8.28	482.30	BDL	318.32	BDL	115.00	115.00	70.90	6.41	1.00	0.14	32.00	10.92	125.00	34.05	6.98	BDL
Sonitpur	Tupia	DW	7.66	180.10	0.10	118.87	BDL	50.00	50.00	42.54	3.11	0.70	0.98	8.00	7.28	50.00	13.08	6.61	4.30
Tinsukia	Borgolai	DW	4.53	570.30	BDL	300.20	BDL	10.00	10.00	42.54	59.52	3.10	BDL	40.00	16.99	170.00	7.48	6.10	0.49
Tinsukia	Digboi	DW	7.79	165.10	BDL	90.05	BDL	80.00	80.00	7.09	8.69	1.10	0.12	22.00	6.07	80.00	3.93	1.59	0.16
Tinsukia	Jagun	DW	7.09	217.30	BDL	109.80	BDL	45.00	45.00	31.91	1.56	1.30	BDL	10.00	4.85	45.00	16.07	1.47	0.21
Tinsukia	Jaipur Naharjan	DW	8.30	463.20	BDL	234.70	10.00	150.00	160.00	17.73	8.86	1.30	0.18	30.00	13.35	130.00	7.68	33.98	0.50
Tinsukia	Kumsang	DW	7.91	288.00	0.10	143.90	BDL	80.00	80.00	28.36	2.09	1.20	0.19	16.00	6.07	65.00	16.90	5.46	0.58
Tinsukia	Lekhapani	DW	7.65	299.20	BDL	151.00	BDL	45.00	45.00	21.27	33.16	1.10	0.17	8.00	13.35	75.00	10.93	6.76	2.50
Tinsukia	Panitola	DW	8.26	500.20	BDL	253.20	20.00	110.00	130.00	46.09	3.19	2.40	0.39	42.00	9.71	145.00	22.39	15.03	0.23
Tinsukia	Tinsukia	DW	8.39	927.90	BDL	471.90	10.00	190.00	200.00	53.18	18.30	7.90	0.16	70.00	20.63	260.00	5.88	16.79	0.55
Tinsukia	Tipong	DW	5.03	670.00	0.20	338.40	BDL	15.00	15.00	60.27	48.34	2.30	0.41	24.00	15.78	125.00	13.84	5.36	0.52
Tinsukia	Tirap Gate	DW	7.53	173.40	BDL	87.67	BDL	40.00	40.00	10.64	30.49	1.40	0.32	6.00	9.71	55.00	5.15	3.91	10.11
MEGHALAYA																			
East garo hills	Baiza Rongreng	DW	7.18	83.36	0.50	55.02	BDL	30.00	30.00	17.73	3.33	1.70	0.10	6.00	8.50	50.00	3.25	1.64	0.26

District	Location	Type Of Sample (EW Or DW)	pH	EC ($\mu\text{s}/\text{C m}$ 25°C)	Turbi dity (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
						Conc. in mg/L													
East garo hills	Darugiri	DW	8.30	332.50	0.30	219.45	20.00	115.00	135.00	28.36	2.98	4.90	0.15	22.00	23.06	150.00	5.94	8.07	0.75
East garo hills	Narringirri	DW	7.69	134.30	0.80	88.64	BDL	50.00	50.00	21.27	1.69	0.70	0.11	12.00	6.07	55.00	5.12	2.31	0.71
East garo hills	Rongjeng	DW	7.01	336.70	0.70	222.22	BDL	40.00	40.00	39.00	7.08	17.50	0.41	20.00	12.14	100.00	7.57	2.85	0.01
East garo hills	Rongmil	DW	7.12	133.10	0.60	87.85	BDL	60.00	60.00	17.73	1.41	0.60	0.13	12.00	7.28	60.00	4.97	2.20	1.43
East garo hills	Samanda Megapagre	DW	7.52	70.67	0.20	46.64	BDL	40.00	40.00	21.27	1.66	1.60	0.12	6.00	6.07	40.00	6.76	4.76	0.07
East garo hills	Songsak	DW	7.21	74.46	0.10	49.14	BDL	30.00	30.00	21.27	15.50	4.70	0.03	8.00	13.35	75.00	2.96	0.48	0.03
East garo hills	Williamnagar	DW	7.12	268.20	0.60	177.01	BDL	60.00	60.00	53.18	1.54	1.50	0.06	12.00	10.92	75.00	24.75	1.68	0.45
East khasi hill	Cherrapunji	DW	5.53	82.18	BDL	54.24	BDL	20.00	20.00	3.55	2.16	0.90	0.49	2.00	1.21	10.00	5.50	1.16	0.56
East khasi hill	Lr.Lachaumiere	DW	8.30	527.40	0.80	348.08	30.00	220.00	250.00	21.27	6.61	BDL	0.32	70.00	1.21	180.00	23.91	9.79	0.85
East khasi hill	Mawpat	DW	7.09	245.70	0.50	162.16	BDL	30.00	30.00	46.09	3.75	2.00	0.18	16.00	2.43	50.00	20.81	1.26	0.73
East khasi hill	Nongmynsong	DW	7.10	210.70	0.60	139.06	BDL	55.00	55.00	24.82	1.91	2.20	0.68	18.00	BDL	45.00	13.44	2.86	1.30
East khasi hill	Shillong Dhankheti	DW	6.59	281.50	0.10	185.79	BDL	70.00	70.00	35.45	4.30	1.10	0.70	26.00	3.64	80.00	17.49	2.05	0.65
East khasi hill	Shillong Golf Links	DW	7.11	528.60	0.30	348.88	BDL	55.00	55.00	56.72	3.75	6.50	0.84	16.00	7.28	70.00	24.90	17.01	0.53
East khasi hills	Dangar	DW	6.55	69.35	0.20	45.77	BDL	20.00	20.00	17.73	2.15	0.90	0.29	4.00	2.43	20.00	8.12	2.26	0.40
East khasi hills	Laitkor	BW	6.63	46.60	1.00	30.76	BDL	20.00	20.00	24.82	1.69	0.90	0.10	4.00	3.64	25.00	8.99	7.66	0.23
East khasi hills	Lr.Lachaumiere		5.56	217.30	0.40	143.42	BDL	35.00	35.00	10.64	44.22	9.90	0.06	18.00	6.07	70.00	15.52	1.91	0.05
East khasi hills	Mawpat		5.99	295.70	0.10	195.16	BDL	115.00	115.00	53.18	7.30	2.00	0.12	34.00	3.64	100.00	21.74	11.08	0.20
East khasi hills	NIT Cherrapunji	BW	6.44	124.70	0.20	82.30	BDL	10.00	10.00	10.64	4.37	0.40	0.54	8.00	1.27	25.00	0.88	0.77	1.15
East khasi hills	Nongmynsong		5.63	362.70	0.10	239.38	BDL	35.00	35.00	24.82	35.60	11.10	0.08	34.00	4.85	105.00	5.37	3.47	0.14
East khasi hills	Nongpyiur	BW	6.83	62.03	0.20	40.94	BDL	10.00	10.00	14.18	1.99	1.40	0.44	6.00	1.21	20.00	5.16	1.03	0.17
East khasi hills	Shillong Dhankheti		6.01	210.40	BDL	138.86	BDL	70.00	70.00	21.27	11.91	1.40	0.08	24.00	4.85	80.00	9.59	2.88	1.49
East khasi hills	Shillong Golf Links		5.25	57.70	BDL	38.08	BDL	25.00	25.00	14.18	5.49	0.40	0.04	2.00	3.64	20.00	8.09	3.54	0.31

District	Location	Type Of Sample (EW Or DW)	pH	EC ($\mu\text{s}/\text{C m}$) 25°C	Turbi dity (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
						Conc. in mg/L													
Jaintia hills	Dawki	DW	6.86	151.70	0.80	100.12	BDL	80.00	80.00	7.09	2.27	0.70	0.38	20.00	1.21	55.00	1.74	10.75	0.43
Jaintia hills	Jowai New	DW	6.31	46.17	0.40	30.47	BDL	10.00	10.00	17.18	15.98	6.70	0.51	2.00	12.06	65.00	2.62	0.12	0.47
North garo hills	Dainadubi	DW	6.72	106.70	0.40	70.42	BDL	30.00	30.00	28.36	2.09	1.70	0.13	8.00	10.92	65.00	2.24	1.43	1.46
Ri bhoi	Byrnihat	DW	6.17	73.15	0.50	48.28	BDL	45.00	45.00	7.09	2.02	BDL	0.27	6.00	4.85	35.00	7.10	2.12	0.93
Ri bhoi	Nayabunglow	DW	6.45	39.35	0.30	25.97	BDL	25.00	25.00	10.64	1.96	0.30	0.27	8.00	2.43	30.00	2.40	0.30	0.49
Ri bhoi	Pahanmawlier	DW	6.82	142.40	0.30	93.98	BDL	85.00	85.00	14.18	2.02	BDL	0.70	4.00	1.21	15.00	19.73	45.10	0.51
Ri bhoi	Patharkhamma Barigaon	DW	8.30	326.90	0.40	215.75	20.00	155.00	175.00	7.09	2.31	0.40	0.62	2.00	2.43	15.00	51.14	27.08	0.68
Ri bhoi	Tamanpahlong	DW	6.86	109.40	0.40	72.20	BDL	60.00	60.00	7.09	6.98	1.40	0.59	12.00	9.71	70.00	2.40	0.40	0.37
Ri bhoi	Umroi Maidan	DW	7.01	12.55	0.10	8.28	BDL	10.00	10.00	18.73	8.04	2.20	0.25	14.00	2.43	45.00	1.01	1.20	0.37
Ri-bhoi	R.P.B.F. Kyrdemkulai	BW	6.47	30.18	1.00	19.92	BDL	20.00	20.00	14.18	1.93	0.60	0.33	2.00	3.64	20.00	1.64	10.22	0.21
Ri-bhoi	R.P.B.F. Kyrdemkulai	BW	6.35	32.59	0.50	21.51	BDL	25.00	25.00	10.64	1.94	0.60	0.30	2.00	1.21	10.00	3.68	18.22	BDL
Ri-bhoi	Sohpdok	BW	6.87	59.09	0.70	39.00	BDL	85.00	85.00	7.09	2.05	0.60	0.85	4.00	3.64	25.00	21.27	11.83	0.37
Ri-bhoi	Sohpdok	BW	6.79	44.33	0.50	29.26	BDL	40.00	40.00	17.73	1.32	BDL	0.13	4.00	7.28	40.00	9.43	3.04	0.40
Sw garo	Ampati	DW	7.02	119.70	BDL	79.00	BDL	55.00	55.00	21.27	1.88	1.20	3.20	14.00	6.07	60.00	7.78	2.46	0.06
Sw garo	Betasing	DW	8.30	201.30	BDL	132.86	20.00	75.00	95.00	24.82	1.54	1.50	3.20	16.00	8.50	75.00	18.99	8.68	0.61
Sw garo	Zikzak	DW	7.60	134.60	BDL	88.84	BDL	75.00	75.00	24.81	1.19	1.20	1.50	14.00	4.85	55.00	15.55	4.38	0.09
West garo hills	Asanang	DW	6.90	74.34	0.20	49.06	BDL	25.00	25.00	24.82	1.05	1.80	0.13	8.00	4.85	40.00	6.30	3.21	0.20
West garo hills	Belguri	DW	8.64	274.80	1.00	181.37	10.00	85.00	95.00	28.36	2.56	5.20	0.15	20.00	16.99	120.00	3.97	7.01	0.05
West garo hills	Dalu	DW	6.35	68.01	0.30	44.89	BDL	15.00	15.00	10.64	2.10	0.20	0.91	4.00	BDL	10.00	9.64	1.62	0.31
West garo hills	Damjongre	DW	7.63	101.30	0.50	66.86	BDL	50.00	50.00	17.73	1.63	0.40	0.18	8.00	7.28	50.00	5.08	1.11	BDL
West garo hills	Nidanpur	DW	7.24	136.20	0.20	89.89	BDL	85.00	85.00	21.27	1.57	0.60	0.19	14.00	7.28	65.00	9.67	3.42	1.32
West garo hills	Phulbari	DW	7.49	191.60	0.70	126.46	BDL	85.00	85.00	21.27	5.42	1.00	0.48	16.00	10.92	85.00	11.23	1.60	1.02
West garo hills	Phutamati	DW	8.30	291.20	0.50	192.19	40.00	100.00	140.00	21.27	17.37	0.80	0.43	22.00	20.63	140.00	13.42	8.37	0.20
West garo hills	Rongram	DW	7.76	215.20	BDL	142.03	BDL	25.00	25.00	39.00	1.80	6.70	0.08	10.00	9.71	65.00	5.99	7.81	0.20

District	Location	Type Of Sample (EW Or DW)	pH	EC ($\mu\text{s}/\text{C m}$ 25°C)	Turbi dity (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
						Conc. in mg/L													
West garo hills	Tikrikilla	DW	8.30	368.90	BDL	243.47	20.00	125.00	145.00	31.91	7.26	0.90	1.35	22.00	20.63	140.00	18.70	4.41	0.28
West khasi hill	Mairang	DW	6.90	77.61	0.20	51.22	BDL	35.00	35.00	24.64	11.96	3.40	0.25	12.00	12.10	80.00	2.04	1.22	0.47
NAGALAND																			
Dimapur	3 Mile Bazar	DW	7.36	765.90	1.90	395.90	BDL	75.00	75.00	148.89	3.40	3.00	0.03	38.00	7.28	125.00	60.26	5.62	4.91
Dimapur	7th Mile Bazar	DW	6.30	380.40	2.10	193.20	BDL	25.00	25.00	42.54	2.32	10.30	1.70	18.00	8.50	80.00	2.29	4.28	0.16
Dimapur	Bade Bazar	DW	7.28	694.80	1.90	354.60	BDL	80.00	80.00	109.90	9.48	3.20	1.50	34.00	14.56	145.00	47.09	2.69	0.76
Dimapur	Chumkidima	DW	6.91	484.60	2.00	247.00	BDL	70.00	70.00	70.90	7.27	2.30	1.10	20.00	9.71	90.00	36.41	5.47	2.21
Dimapur	Diphupar	DW	5.76	563.10	1.90	288.70	BDL	15.00	15.00	120.53	3.45	3.20	1.60	12.00	8.50	65.00	54.04	1.84	0.37
Dimapur	Douapur DMC	DW	6.20	226.00	1.80	116.10	BDL	20.00	20.00	46.09	2.81	2.60	0.71	10.00	4.85	45.00	15.32	0.93	0.98
Dimapur	Maibiram	DW	8.25	276.60	1.90	142.40	20.00	130.00	150.00	10.63	1.99	0.80	1.69	4.00	9.71	50.00	35.45	12.11	4.11
Dimapur	Marwari Colony	DW	8.30	497.80	1.80	256.60	10.00	205.00	215.00	39.00	1.94	1.10	0.42	34.00	9.71	125.00	23.86	38.73	0.91
Dimapur	Singrijan I	DW	6.99	212.30	1.90	110.30	BDL	50.00	50.00	21.27	4.45	1.00	1.40	14.00	3.64	50.00	11.82	1.86	4.57
Dimapur	Surja Colony	DW	6.97	510.70	1.80	264.00	BDL	80.00	80.00	88.63	3.70	5.30	1.08	20.00	14.56	110.00	37.40	4.49	0.51
Dimapur	Thilaxu Blk II	DW	6.80	255.40	2.00	130.60	BDL	50.00	50.00	35.45	1.99	4.50	0.49	18.00	3.64	60.00	9.85	19.39	0.06
Karbi anglong	Matibung Rd.	DW	7.26	502.00	2.30	252.70	BDL	115.00	115.00	49.63	7.33	1.40	2.30	16.00	10.92	85.00	35.61	6.77	0.40
TRIPURA																			
Dhalai	82 Mile	DW	8.41	663.70	BDL	438.04	30.00	180.00	210.00	49.63	5.48	2.60	0.48	36.00	16.99	160.00	32.34	40.97	1.02
Dhalai	Abhanga New	DW	7.87	232.00	0.60	153.12	BDL	80.00	80.00	17.73	11.40	2.00	0.20	22.00	4.85	75.00	8.51	1.37	0.85
Dhalai	Chamanu	DW	8.30	587.90	0.50	388.01	20.00	115.00	135.00	81.54	12.56	1.00	0.28	22.00	9.71	95.00	61.53	3.51	2.33
Dhalai	Duraicharra	DW	8.23	412.90	0.10	272.51	BDL	220.00	220.00	31.91	4.12	1.90	0.31	34.00	6.07	110.00	5.19	70.73	0.60
Dhalai	Durga Chowmuhani	DW	7.77	301.10	BDL	198.73	BDL	55.00	55.00	56.72	3.34	2.00	0.14	20.00	1.21	55.00	21.89	13.43	0.04
Dhalai	Durgapur	DW	8.41	543.10	BDL	358.45	20.00	155.00	175.00	53.18	2.63	3.70	0.25	14.00	29.13	155.00	29.22	0.82	0.19
Dhalai	Jagabandhupara	DW	7.88	160.00	0.20	105.60	BDL	50.00	50.00	17.73	7.64	1.80	0.18	8.00	8.50	55.00	10.54	0.14	0.33
Dhalai	Kamalpur	DW	7.84	146.00	BDL	96.36	BDL	65.00	65.00	14.18	19.38	0.90	0.19	14.00	3.64	50.00	5.19	21.01	0.85

District	Location	Type Of Sample (EW Or DW)	pH	EC ($\mu\text{s}/\text{C m}$ 25°C)	Turbi dity (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
						Conc. in mg/L													
Dhalai	Kamalpur	DW	8.40	393.80	BDL	259.91	40.00	120.00	160.00	28.36	23.60	3.10	0.14	28.00	8.50	105.00	15.62	55.06	0.03
Dhalai	Lalchari	DW	7.44	69.32	BDL	45.75	BDL	30.00	30.00	10.64	6.98	2.30	0.10	6.00	3.64	30.00	1.82	11.72	0.12
Dhalai	Mainama	DW	7.94	284.00	BDL	187.44	BDL	70.00	70.00	38.99	2.87	4.30	0.20	18.00	7.28	75.00	17.64	1.01	0.14
Dhalai	Manu New	DW	8.30	732.40	0.20	483.38	10.00	10.00	20.00	35.45	54.17	3.70	0.19	32.00	15.78	145.00	0.74	1.20	0.02
Dhalai	Nakful	DW	8.06	257.50	BDL	169.95	BDL	105.00	105.00	14.18	4.78	1.40	0.18	26.00	3.64	80.00	1.70	20.33	0.82
Dhalai	Salema	DW	7.63	213.90	BDL	141.17	BDL	35.00	35.00	17.73	12.66	2.70	0.12	10.00	9.71	65.00	0.18	0.26	0.84
Gomati	Amarpur	DW	8.45	618.10	0.10	407.95	10.00	100.00	110.00	63.81	9.80	2.00	0.22	32.00	7.28	110.00	33.07	0.05	0.36
Gomati	Ampi Colony	DW	8.30	430.50	0.20	284.13	20.00	115.00	135.00	67.35	3.80	0.60	0.38	20.00	14.56	110.00	10.41	64.76	0.62
Gomati	Bampur	DW	8.50	458.00	BDL	302.28	30.00	95.00	125.00	63.81	8.30	1.20	0.37	22.00	12.14	105.00	44.62	3.79	0.55
Gomati	Kankraban	DW	8.40	467.90	0.10	308.81	20.00	110.00	130.00	67.35	4.26	0.90	0.04	16.00	18.20	115.00	41.22	3.26	0.70
Gomati	Kenania	DW	7.28	459.10	0.40	303.01	20.00	110.00	130.00	70.90	9.46	0.40	0.31	22.00	9.71	95.00	52.55	3.70	0.43
Gomati	Noabari	DW	8.44	568.00	BDL	374.88	20.00	100.00	120.00	63.81	12.32	2.00	0.22	30.00	6.07	100.00	8.31	64.32	0.39
Gomati	Taichakma	DW	8.30	469.00	BDL	309.54	20.00	85.00	105.00	67.36	3.46	1.10	0.40	24.00	14.56	120.00	30.39	3.99	0.40
North tripura	Baghbassa	DW	8.11	268.30	0.30	177.08	BDL	80.00	80.00	17.73	10.40	2.90	0.22	20.00	6.07	75.00	1.70	12.39	0.51
North tripura	Chandipur	DW	7.60	583.90	BDL	385.37	BDL	20.00	20.00	92.17	3.87	7.00	0.15	12.00	6.07	55.00	5.16	60.52	0.02
North tripura	Churaibari	DW	8.20	358.70	0.10	236.74	BDL	90.00	90.00	42.54	9.80	1.20	0.16	20.00	3.64	65.00	1.20	50.08	1.11
North tripura	Halaicharra	DW	7.50	432.30	0.30	285.32	BDL	45.00	45.00	60.27	6.87	2.10	0.02	16.00	8.50	75.00	21.03	15.16	0.02
North tripura	Kadamtala	DW	7.59	260.00	BDL	171.60	BDL	35.00	35.00	39.00	2.38	8.20	0.16	6.00	1.21	20.00	1.68	30.06	7.68
North tripura	Kanchanpur	DW	8.40	899.10	BDL	593.41	10.00	80.00	90.00	152.44	5.92	1.50	0.20	24.00	10.92	105.00	62.01	50.88	0.45
North tripura	Krishnapur	DW	7.91	198.90	BDL	131.27	BDL	65.00	65.00	14.18	18.25	1.10	0.20	8.00	4.85	40.00	20.03	0.21	0.60
North tripura	Kunjanagar	DW	7.82	131.50	BDL	86.79	BDL	55.00	55.00	14.18	12.07	1.10	0.20	10.00	3.64	40.00	20.86	0.06	0.02
North tripura	Lalchhara	DW	7.96	370.60	BDL	244.60	BDL	60.00	60.00	39.00	3.90	3.70	0.25	20.00	2.43	60.00	10.55	22.17	0.15
North tripura	Laljuri	DW	7.96	620.40	BDL	409.46	BDL	65.00	65.00	92.17	9.68	8.10	0.19	30.00	16.99	145.00	2.93	30.14	0.07
North tripura	Laxminagar	DW	8.32	382.10	BDL	252.19	20.00	115.00	135.00	28.36	6.15	1.70	0.38	34.00	1.21	90.00	3.59	50.61	0.19
North tripura	Murticharra	DW	8.30	321.20	0.20	211.99	10.00	90.00	100.00	24.82	7.34	1.10	0.17	24.00	6.07	85.00	14.25	8.43	0.35
North tripura	Panisagar	DW	7.81	702.30	0.20	463.52	BDL	40.00	40.00	56.72	5.73	9.70	0.36	20.00	9.71	90.00	8.08	6.39	0.09

District	Location	Type Of Sample (EW Or DW)	pH	EC ($\mu\text{s}/\text{C m}$ 25°C)	Turbi dity (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
						Conc. in mg/L													
North tripura	Rouya	DW	8.40	387.50	0.30	255.75	20.00	115.00	135.00	17.73	3.67	1.60	0.37	30.00	12.14	125.00	0.72	13.15	0.40
North tripura	Sanicherra	DW	8.04	485.40	0.10	320.36	BDL	85.00	85.00	74.45	12.10	2.80	0.19	18.00	13.35	100.00	31.71	13.40	0.13
North tripura	Santipur	DW	8.52	557.50	BDL	367.95	30.00	220.00	250.00	24.82	8.60	1.90	0.81	10.00	3.64	40.00	96.66	1.89	0.04
North tripura	Saraspur	DW	8.37	308.10	BDL	203.35	30.00	95.00	125.00	17.73	12.37	1.80	0.78	18.00	3.64	60.00	44.31	0.14	0.20
North tripura	Tilthai	DW	7.80	171.30	0.20	113.06	BDL	25.00	25.00	31.91	8.78	1.30	0.04	4.00	1.21	15.00	27.89	3.02	0.12
North tripura	Uttar Machmara	DW	7.69	248.20	BDL	163.81	BDL	70.00	70.00	28.36	46.00	2.56	0.33	38.00	7.28	125.00	48.76	6.22	1.57
North tripura	Uttar Rajnagar	DW	7.56	55.03	BDL	36.32	BDL	15.00	15.00	14.18	2.81	0.70	0.13	2.00	1.21	10.00	0.03	20.10	0.82
Sepahijala	Dakshin Kalamcherra	DW	7.17	236.70	BDL	156.22	BDL	80.00	80.00	28.36	12.20	8.70	0.19	44.00	6.07	135.00	10.04	25.05	0.04
Sepahijala	Gongrai	DW	8.06	643.30	0.20	424.58	BDL	60.00	60.00	88.63	6.78	4.00	0.10	6.00	14.56	75.00	2.61	17.97	1.61
Sepahijala	Kanthalia Bazar	DW	7.33	222.70	0.30	146.98	BDL	75.00	75.00	28.36	3.67	0.90	0.26	18.00	2.43	55.00	8.47	58.30	1.30
Sepahijala	Sindhu Kumar	DW	7.85	145.90	0.60	96.29	BDL	45.00	45.00	10.64	15.17	1.19	0.25	18.00	6.07	70.00	12.65	3.38	1.54
Sepahijala	Sonamura	DW	7.03	239.70	0.30	158.20	BDL	140.00	140.00	31.91	8.74	0.47	0.21	6.00	3.64	30.00	11.53	1.34	0.11
Sepahijala	Tufaniamura	DW	8.50	465.40	0.30	307.16	30.00	100.00	130.00	63.81	25.60	2.10	0.21	16.00	7.28	70.00	4.05	37.35	1.41
South tripura	Ailmara	DW	8.19	294.70	0.10	194.50	10.00	75.00	85.00	21.27	2.50	1.30	0.28	14.00	4.85	55.00	7.04	0.37	0.25
South tripura	Amlighat	DW	8.10	148.00	0.10	97.68	BDL	70.00	70.00	7.09	8.70	2.72	0.10	6.00	4.85	35.00	6.97	3.10	0.10
South tripura	Anandabandhup ara	DW	8.00	298.00	0.10	196.68	BDL	75.00	75.00	28.36	10.37	1.01	0.09	8.00	6.07	45.00	20.56	0.72	0.68
South tripura	Baishnabpur	DW	7.29	260.00	BDL	171.60	BDL	20.00	20.00	53.18	4.80	2.65	0.33	6.00	2.43	25.00	6.56	3.16	0.26
South tripura	Bankul Mahamuni	DW	7.26	118.90	0.20	78.47	BDL	75.00	75.00	7.09	13.40	2.93	0.12	4.00	6.07	35.00	6.34	3.06	0.11
South tripura	Bijaynagar	DW	7.08	119.90	0.20	79.13	BDL	80.00	80.00	10.64	11.30	2.90	0.14	8.00	1.21	25.00	8.23	3.97	0.16
South tripura	Chatakchari	DW	8.08	140.80	BDL	92.93	BDL	70.00	70.00	10.64	3.62	0.90	0.31	24.00	10.92	105.00	39.29	4.78	0.29
South tripura	Durjaynagar	DW	8.30	445.30	0.10	293.90	10.00	120.00	130.00	67.36	3.61	1.60	0.36	10.00	10.92	70.00	13.16	1.59	0.42
South tripura	Fulsingpara	DW	8.40	139.40	0.10	92.00	10.00	70.00	80.00	10.64	2.83	2.40	0.20	14.00	10.92	80.00	20.32	0.33	1.52
South tripura	Gardhang	DW	8.04	302.80	BDL	199.85	10.00	75.00	85.00	28.36	31.80	0.30	0.30	14.00	7.28	65.00	14.99	1.72	2.97

District	Location	Type Of Sample (EW Or DW)	pH	EC ($\mu\text{s}/\text{C m}$) 25°C	Turbi dity (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
						Conc. in mg/L													
South tripura	Goragappa	DW	6.65	209.10	0.10	138.01	BDL	5.00	5.00	10.64	2.15	1.08	0.13	8.00	6.07	45.00	16.21	0.51	0.47
South tripura	Gorjee Bazar	DW	8.30	228.20	BDL	150.61	10.00	75.00	85.00	24.82	55.00	11.10	0.25	32.00	8.50	115.00	88.56	10.77	0.18
South tripura	Kalachhara	DW	6.99	275.60	0.10	181.90	BDL	20.00	20.00	49.63	12.10	8.20	0.10	10.00	15.78	90.00	7.54	2.43	0.17
South tripura	Kalirbazar	DW	6.94	253.60	0.50	167.38	BDL	25.00	25.00	49.63	54.75	11.19	0.22	34.00	8.50	120.00	88.75	10.68	0.16
South tripura	Kashari	DW	8.40	349.70	BDL	230.80	10.00	15.00	25.00	46.08	4.73	4.50	0.12	10.00	3.64	40.00	7.20	27.66	0.27
South tripura	Magroom	DW	6.68	249.10	0.20	164.41	BDL	25.00	25.00	49.63	21.10	1.02	0.14	6.00	6.07	40.00	20.44	0.89	0.51
South tripura	Manubazar	DW	7.16	259.20	0.20	171.07	BDL	25.00	25.00	53.18	3.38	1.09	0.16	6.00	2.43	25.00	7.22	1.94	0.36
South tripura	Manurmukh	DW	7.38	223.80	BDL	147.71	BDL	90.00	90.00	28.36	18.20	1.26	0.34	12.00	7.28	60.00	15.52	2.07	2.83
South tripura	Motumogpara	DW	7.29	117.20	BDL	77.35	BDL	80.00	80.00	7.09	7.43	0.30	0.42	8.00	7.28	50.00	15.65	1.08	0.57
South tripura	Poangbari	DW	7.37	118.20	0.20	78.01	BDL	70.00	70.00	10.64	33.30	1.45	0.51	16.00	9.71	80.00	12.04	1.05	0.08
South tripura	Purbatakka	DW	7.40	116.50	0.40	76.89	BDL	80.00	80.00	7.09	26.26	1.51	0.58	16.00	8.50	75.00	13.15	1.07	0.10
South tripura	Radhanagar	DW	7.63	339.20	BDL	223.87	BDL	15.00	15.00	46.09	6.21	0.47	0.09	6.00	4.85	35.00	13.78	0.82	0.15
South tripura	Rajnagar	DW	6.23	253.90	0.20	167.57	BDL	30.00	30.00	53.18	11.71	0.58	0.07	4.00	4.85	30.00	13.74	0.99	0.13
South tripura	Rangamura	DW	6.98	246.90	0.10	162.95	BDL	25.00	25.00	49.63	18.80	4.70	0.41	12.00	7.28	60.00	21.39	1.42	0.55
South tripura	Sabroom	DW	6.99	255.40	BDL	168.56	BDL	25.00	25.00	49.63	23.60	6.44	0.20	8.00	3.64	35.00	10.89	1.95	0.16
South tripura	Sachichandrapur	DW	7.50	117.20	0.30	77.35	BDL	85.00	85.00	7.09	6.07	1.06	0.20	6.00	3.64	30.00	7.41	2.20	0.33
South tripura	Srinagar	DW	7.45	119.80	0.30	79.07	BDL	75.00	75.00	10.64	12.10	2.35	0.15	20.00	6.07	75.00	45.92	7.88	0.81
South tripura	Tuichama	DW	7.34	115.00	BDL	75.90	BDL	85.00	85.00	7.09	8.10	1.50	0.55	14.00	7.28	65.00	9.94	2.87	0.21
Unakoti	Bhagwan Nagar	DW	8.30	263.90	BDL	174.17	10.00	115.00	125.00	10.64	11.63	0.90	0.04	8.00	4.85	40.00	15.26	21.98	1.05
Unakoti	Chalengta	DW	7.95	176.50	0.20	116.49	BDL	55.00	55.00	28.36	9.57	0.70	0.07	28.00	7.28	100.00	8.65	4.01	1.33
Unakoti	Chandra- Moni Kami	DW	8.30	265.00	0.10	174.90	10.00	95.00	105.00	24.82	3.67	3.50	0.13	20.00	2.43	60.00	8.00	2.84	0.08
Unakoti	Jagannathpur	DW	7.84	199.20	0.20	131.47	BDL	60.00	60.00	17.73	19.53	1.00	0.16	14.00	3.64	50.00	2.08	48.23	1.30
Unakoti	Jalai	DW	7.95	288.50	BDL	190.41	BDL	70.00	70.00	35.45	9.69	1.40	0.12	6.00	2.43	25.00	5.22	11.64	0.15
Unakoti	Kumarghat	DW	7.68	90.60	0.50	59.80	BDL	25.00	25.00	14.18	14.15	4.20	0.20	20.00	4.85	70.00	25.03	1.98	0.04
Unakoti	Machmara	DW	7.85	268.30	0.10	177.08	BDL	65.00	65.00	42.54	2.59	1.10	0.07	12.00	3.64	45.00	5.15	7.05	0.13

District	Location	Type Of Sample (EW Or DW)	pH	EC ($\mu\text{s}/\text{C m}$) 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
						Conc. in mg/L													
Unakoti	Pecharthal	DW	7.57	135.70	0.40	89.56	BDL	60.00	60.00	10.63	13.57	0.80	0.07	4.00	2.43	20.00	5.80	24.47	0.15
Unakoti	Ratacherra	DW	7.54	106.80	0.60	70.49	BDL	30.00	30.00	14.18	4.31	1.60	0.76	10.00	7.28	55.00	1.83	20.16	1.22
Unakoti	Sonaimuri	DW	8.07	194.10	0.50	128.11	BDL	80.00	80.00	14.18	4.25	0.30	0.05	20.00	6.07	75.00	10.73	1.09	0.21
West tripura	Champak-Nagar	DW	7.20	111.60	BDL	73.66	BDL	75.00	75.00	7.09	3.70	0.10	0.26	12.00	6.07	55.00	1.09	19.24	0.58
West tripura	Nonacharra	DW	7.53	158.70	0.10	104.74	BDL	50.00	50.00	10.64	5.96	1.30	0.21	10.00	2.43	35.00	7.38	10.14	0.32

ANNEXURE - XXIII

Chemical Quality of Water Samples Collected from GWMS of NER during Post-Monsoon 2017-18 (Basic constituents)

Location/District	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
					← Conc. in mg/L →													
ARUNACHAL PRADESH																		
Changlang																		
Jairampur	DW	7.12	148.70	0.20	98.14	BDL	55.00	55.00	17.73	8.65	BDL	0.22	8.51	10.32	63.80	10.14	1.09	0.35
Namchik	DW	7.27	233.50	0.30	154.11	BDL	75.00	75.00	21.27	24.68	BDL	0.19	13.61	14.45	93.57	13.58	4.88	0.16
Namphai	DW	6.96	86.84	BDL	57.31	BDL	45.00	45.00	10.64	7.29	BDL	0.08	3.40	9.29	46.79	3.14	1.17	0.19
Newlisan Kharsang	DW	7.29	102.10	BDL	67.39	BDL	45.00	45.00	14.18	13.54	BDL	0.18	8.51	7.23	51.04	6.77	1.46	0.13
East siang																		
Pasighat (PP)	DW	6.71	51.80	BDL	34.19	BDL	15.00	15.00	24.82	15.67	1.70	0.09	8.51	8.26	55.29	3.23	5.35	BDL
Ruksin	DW	7.47	651.90	BDL	430.25	BDL	130.00	130.00	124.08	47.51	1.30	0.22	74.86	24.78	289.23	98.45	11.00	BDL
Lohit																		
Khawji Namghar	DW	7.59	145.20	0.10	95.83	BDL	65.00	65.00	7.09	8.87	BDL	0.25	18.71	5.16	68.05	2.89	4.16	0.22
Lower subansiri																		
Bomte	DW	6.46	42.91	BDL	28.32	BDL	30.00	30.00	46.09	9.70	1.80	0.04	6.81	4.13	34.03	24.32	15.17	0.03
Rajgarh	DW	6.71	42.00	BDL	27.72	BDL	20.00	20.00	28.36	10.30	2.30	0.06	6.81	10.32	59.55	3.10	7.27	BDL
Papumpare																		
Chimpu	DW	6.72	248.30	BDL	163.88	BDL	65.00	65.00	49.63	47.10	4.30	0.06	40.83	10.32	144.62	17.73	8.74	0.04
Doimukh	DW	7.04	110.10	0.40	72.67	BDL	55.00	55.00	39.00	5.20	1.30	0.14	22.12	4.13	72.31	8.30	5.27	0.01
Itanagar I	DW	7.08	193.80	BDL	127.91	BDL	75.00	75.00	46.08	37.98	2.20	0.21	45.94	12.39	165.88	6.08	5.12	0.20
Nirjuli Villii A	DW	7.31	328.50	0.10	216.81	BDL	110.00	110.00	56.72	69.80	1.50	0.33	64.65	13.42	216.92	16.12	14.56	BDL
Nirjuli Villii B	DW	6.91	175.70	0.10	115.96	BDL	65.00	65.00	81.54	1.49	2.50	0.24	23.82	10.32	102.08	17.21	5.13	8.48
Tirap																		
Borduria	DW	6.85	58.12	BDL	38.36	BDL	30.00	30.00	17.73	7.20	BDL	0.09	6.81	3.10	29.77	14.38	0.72	0.10
Deomali	DW	6.74	126.80	BDL	83.69	BDL	45.00	45.00	21.27	15.89	BDL	0.06	6.81	7.23	46.79	11.77	2.78	0.07
Hukanjuri	DW	6.67	107.70	0.20	71.08	BDL	30.00	30.00	21.27	6.43	BDL	0.05	8.51	1.03	25.52	10.31	6.34	0.57
ASSAM																		
Baksa																		
Darkuchi	DW	7.30	217.40	0.60	143.48	BDL	255.00	255.00	14.18	3.30	0.90	0.28	15.31	1.03	42.53	83.65	10.91	BDL

Location/District	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
					Conc. in mg/L													
ARUNACHAL PRADESH																		
Jhargaon	DW	6.78	79.90	BDL	52.73	BDL	60.00	60.00	21.27	12.68	0.77	0.29	6.81	35.10	161.63	1.73	1.20	1.71
Tamulpur	DW	7.54	921.80	0.10	608.39	BDL	245.00	245.00	81.54	4.65	12.32	1.20	32.33	34.07	221.18	48.63	16.78	BDL
Barpeta																		
Bhawanipur	DW	7.59	695.40	BDL	458.96	BDL	260.00	260.00	21.27	5.50	3.79	0.50	28.92	27.87	187.15	15.24	1.73	4.95
Sarupeta	DW	7.67	390.30	0.20	257.60	BDL	190.00	190.00	14.18	79.93	3.92	0.50	69.76	26.84	284.98	1.62	2.03	BDL
Sorbhog	DW	7.59	432.60	BDL	285.52	BDL	180.00	180.00	21.27	53.16	3.68	0.42	83.37	8.26	242.44	6.67	3.85	BDL
Ujanborbori	DW	7.60	476.40	BDL	314.42	BDL	10.00	10.00	10.64	23.52	0.33	0.40	51.04	51.62	340.27	2.36	1.04	1.39
Bongaigaon																		
Abhayapuri	DW	6.73	156.20	BDL	103.09	BDL	35.00	35.00	35.45	3.50	2.22	0.11	5.10	4.13	29.77	28.11	0.80	BDL
Baitamari	DW	6.77	252.80	0.10	166.85	BDL	80.00	80.00	28.36	1.50	5.41	0.32	8.51	19.62	102.08	4.52	4.37	BDL
Bongaigaon New	DW	6.98	630.80	0.10	416.33	BDL	150.00	150.00	70.90	6.00	14.79	0.42	64.65	2.06	170.14	17.73	8.26	BDL
Chalantapara	DW	6.71	389.60	0.30	257.14	BDL	80.00	80.00	77.99	5.40	2.51	0.27	35.73	11.36	136.11	13.76	1.58	0.02
Chaprakata (Dankinamari)	DW	7.30	200.90	BDL	132.59	BDL	80.00	80.00	14.18	4.30	3.91	0.37	37.43	50.59	301.99	0.49	0.81	BDL
Majgaon	DW	6.68	85.46	0.50	56.40	BDL	55.00	55.00	7.09	1.65	0.60	0.16	18.71	42.33	221.18	0.70	0.43	BDL
Manikpur	DW	7.84	523.10	BDL	345.25	BDL	235.00	235.00	24.82	1.58	1.19	0.49	98.68	28.91	365.79	1.77	3.63	BDL
Medhipara Deo	DW	7.16	173.10	BDL	114.25	BDL	75.00	75.00	14.18	13.81	0.99	0.32	30.62	5.16	97.83	3.22	1.57	0.29
North Salmara	DW	6.77	303.30	BDL	200.18	BDL	55.00	55.00	60.27	22.00	1.65	0.15	42.53	6.19	131.86	12.88	7.90	0.36
Darrang																		
Dalgaon	DW	7.55	328.70	0.20	216.94	BDL	150.00	150.00	14.18	2.50	5.27	0.83	52.74	15.49	195.66	94.82	1.34	BDL
Mangaldoi	DW	7.51	205.20	0.90	135.43	BDL	165.00	165.00	14.18	23.19	1.09	0.54	32.33	25.81	187.15	4.49	0.51	1.83
Tangla	DW	6.96	335.60	BDL	221.50	BDL	110.00	110.00	31.91	52.40	4.00	0.50	54.44	11.36	182.90	9.72	6.25	0.56
Thekerabari.1	DW	7.08	658.20	BDL	434.41	BDL	230.00	230.00	60.27	69.23	4.20	0.78	68.05	24.78	272.22	49.13	6.19	BDL
Dhemaji																		
Bijoypur	DW	8.01	455.80	0.20	300.83	BDL	125.00	125.00	74.45	48.10	5.00	0.46	64.65	18.58	238.19	15.32	14.03	BDL
Dhemaji	DW	7.95	338.30	BDL	223.28	BDL	155.00	155.00	42.54	76.82	0.20	0.32	96.98	10.32	284.98	1.50	5.01	BDL
Dipa	DW	7.82	159.50	BDL	105.27	BDL	75.00	75.00	21.27	34.80	1.50	0.50	23.82	8.26	93.57	5.11	30.17	BDL
Jonai Murkongselek	DW	6.09	78.71	0.30	51.95	BDL	40.00	40.00	10.64	10.17	BDL	0.12	15.31	3.10	51.04	3.64	4.52	0.03
Moridhol	DW	6.72	318.30	BDL	210.08	BDL	125.00	125.00	28.36	68.56	5.72	0.51	68.05	13.42	225.43	4.41	5.41	BDL
Santipur	DW	6.87	155.60	BDL	102.70	BDL	70.00	70.00	14.18	54.32	0.20	0.69	35.73	10.32	131.86	4.33	5.73	0.05
Sisibargaon	DW	6.69	78.61	0.30	51.88	BDL	40.00	40.00	10.64	16.20	BDL	0.15	15.31	5.16	59.55	4.01	2.65	0.04
Dhubri																		
Bagaribari	DW	6.85	230.10	BDL	151.87	BDL	90.00	90.00	24.82	6.20	1.98	0.31	18.71	3.10	59.55	25.90	4.08	1.23

Location/District	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
					Conc. in mg/L													
ARUNACHAL PRADESH																		
Chapar	DW	6.70	194.30	0.20	128.24	BDL	55.00	55.00	21.27	5.70	8.06	0.21	30.62	2.06	85.07	3.70	1.63	BDL
Dakhin Tokesara Part IV	DW	7.67	768.30	BDL	507.08	BDL	225.00	225.00	81.54	2.60	4.83	0.96	74.86	12.39	238.19	26.67	3.93	BDL
Balajan	DW	7.43	364.20	BDL	240.37	BDL	150.00	150.00	17.73	53.18	2.26	0.72	76.56	6.19	216.92	4.01	2.30	BDL
Rupshi	DW	7.49	196.50	0.60	129.69	BDL	100.00	100.00	10.64	30.28	2.18	0.97	51.04	3.10	140.36	0.67	1.68	BDL
Dhubri Town	DW	7.65	817.80	0.50	539.75	BDL	325.00	325.00	60.27	3.10	4.13	1.30	96.98	9.29	280.72	19.45	3.45	BDL
Shapamari Beat	DW	6.44	70.94	BDL	46.82	BDL	40.00	40.00	10.64	1.80	0.86	0.13	13.61	1.03	38.28	7.73	0.24	BDL
Sonamukhi	DW	6.17	65.57	0.20	43.28	BDL	40.00	40.00	10.64	1.88	1.83	0.21	6.81	82.59	357.29	1.80	0.75	BDL
Dibrugarh																		
Azarguri Gaon	DW	7.47	224.60	0.30	148.24	BDL	90.00	90.00	14.18	46.70	0.98	0.31	28.00	6.07	95.00	13.98	3.80	0.26
Barbaruah	DW	7.80	539.40	BDL	356.00	BDL	205.00	205.00	24.82	48.30	0.33	0.28	66.00	13.35	220.00	20.59	12.13	0.47
Chabua	DW	7.31	106.10	BDL	70.03	BDL	35.00	35.00	10.64	6.90	BDL	0.19	6.00	3.64	30.00	10.27	0.92	0.08
Dikom	DW	7.61	134.60	0.30	88.84	BDL	75.00	75.00	7.09	32.31	BDL	0.43	14.00	13.35	90.00	10.47	1.72	0.95
Domar Dolong	TW	7.08	210.60	0.40	139.00	BDL	55.00	55.00	14.18	17.18	BDL	0.12	10.00	2.43	35.00	24.57	1.98	0.49
Golaghat																		
Bokakhat	DW	6.62	145.60	0.30	96.10	BDL	70.00	70.00	31.91	30.70	0.89	0.28	20.42	13.42	106.34	15.95	6.00	0.75
Gandhibari Namghar	DW	7.15	392.70	0.30	259.18	BDL	240.00	240.00	14.18	1.49	2.71	0.60	59.55	38.20	306.24	53.86	1.37	1.31
Garampani	DW	6.22	294.70	0.10	194.50	BDL	20.00	20.00	49.63	8.68	10.45	0.33	32.33	18.58	157.38	34.94	7.63	0.17
Haldibari Buri Ai	DW	7.18	553.70	0.20	365.44	BDL	205.00	205.00	39.00	39.32	8.17	1.60	56.14	28.91	259.46	15.45	2.73	0.09
Kohra Kaziranga	DW	6.32	169.90	0.30	112.13	BDL	30.00	30.00	35.45	47.34	4.80	0.15	18.71	15.49	110.59	10.54	4.24	1.26
Oating	DW	6.60	381.50	BDL	251.79	BDL	105.00	105.00	77.99	27.40	2.16	0.38	25.52	16.52	131.86	50.04	3.40	1.38
Jorhat																		
Bijay Nagar	DW	7.11	516.10	BDL	340.63	BDL	5.00	5.00	88.63	56.70	11.56	BDL	27.22	17.55	140.36	30.62	5.62	2.21
Cinemora	DW	6.55	866.80	0.40	572.09	BDL	185.00	185.00	187.89	81.70	5.20	0.42	90.17	32.00	357.29	81.24	18.22	1.19
Dabarapara Chariali	DW	6.43	332.70	BDL	219.58	BDL	80.00	80.00	56.72	72.64	1.75	0.20	39.13	23.74	195.66	15.33	11.74	0.58
Garigaon	DW	6.90	455.20	0.40	300.43	BDL	190.00	190.00	46.09	2.40	3.58	0.60	78.26	44.39	378.55	22.49	17.79	1.39
Ghatisunga	DW	8.04	435.00	BDL	287.10	BDL	135.00	135.00	88.63	80.48	2.30	0.32	47.64	18.58	195.66	59.17	18.83	1.41
Kamarbandha TE	DW	8.01	357.30	BDL	235.82	BDL	190.00	190.00	28.36	81.43	5.74	0.80	44.24	29.94	233.94	30.43	2.85	2.10
Kokilamukh	DW	6.56	293.30	0.30	193.58	BDL	105.00	105.00	39.00	82.01	8.36	0.31	22.12	46.46	246.70	3.42	1.23	1.68
Kunwari Pukhuri	DW	7.46	161.30	0.60	106.46	BDL	70.00	70.00	31.91	33.03	2.31	0.21	30.62	12.39	127.60	9.01	3.49	0.63
Lichubari	DW	6.26	163.50	0.10	107.91	BDL	30.00	30.00	53.18	31.33	1.09	0.09	10.21	13.42	80.81	25.70	7.26	0.57
Sodial Kachari Gaon	DW	6.55	298.60	BDL	197.08	BDL	185.00	185.00	24.82	71.33	4.75	1.30	23.82	35.10	204.16	17.95	1.19	3.37

Location/District	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
					Conc. in mg/L													
ARUNACHAL PRADESH																		
Titabor	DW	7.35	523.40	0.50	345.44	BDL	130.00	130.00	81.54	80.94	10.01	0.30	107.2	32.00	399.82	3.69	7.32	2.33
Kamrup																		
Agyathuri	DW	6.29	153.30	0.50	101.18	BDL	80.00	80.00	14.18	11.40	1.23	0.95	20.42	11.36	97.83	5.75	0.96	BDL
Amingaon		6.19	470.50	BDL	310.53	BDL	60.00	60.00	81.54	78.60	7.46	0.99	44.24	15.49	174.39	44.53	7.30	0.08
Askwaktanta Temple		6.68	819.00	BDL	540.54	BDL	180.00	180.00	113.44	52.40	5.71	0.93	90.17	1.03	229.68	62.91	21.52	0.21
Avayapuri		7.08	477.30	0.20	315.02	BDL	150.00	150.00	42.54	39.70	BDL	0.85	59.55	4.13	165.88	36.60	2.90	0.43
Azara PHC		6.94	285.30	0.30	188.30	BDL	105.00	105.00	31.91	2.90	BDL	0.47	39.13	3.10	110.59	15.44	3.55	0.31
Basitha FG		6.47	193.90	0.30	127.97	BDL	85.00	85.00	21.27	13.70	BDL	0.32	28.92	2.06	80.81	10.49	0.98	0.30
Bomfor	DW	7.96	358.70	0.50	236.74	BDL	130.00	130.00	35.45	18.41	BDL	0.45	32.00	14.56	140.00	17.99	4.60	0.55
Boragaon		6.75	509.30	0.30	336.14	BDL	135.00	135.00	56.72	42.40	BDL	0.69	40.83	11.36	148.87	35.98	26.61	0.16
Chandrapur		6.77	861.90	0.40	568.85	BDL	135.00	135.00	134.71	40.80	BDL	0.54	56.14	24.78	242.44	49.85	23.11	0.20
Dirgheshwari		7.62	197.40	0.20	130.28	BDL	90.00	90.00	14.18	11.63	BDL	3.15	17.01	6.19	68.05	17.37	2.56	0.31
Ganesh Mandir		7.16	449.40	0.10	296.60	BDL	45.00	45.00	67.35	52.61	8.03	0.61	27.22	14.45	127.60	35.14	2.42	0.36
Garigaon		7.42	731.30	BDL	482.66	BDL	185.00	185.00	99.26	49.10	4.58	0.83	39.13	15.49	161.63	92.14	18.02	
Kahilipara		7.60	526.30	0.40	347.36	BDL	165.00	165.00	49.63	19.50	BDL	0.90	44.24	15.49	174.39	32.00	5.55	0.28
Khanapara Sc. Museum		7.63	144.60	0.10	95.44	BDL	80.00	80.00	14.18	9.09	BDL	1.20	8.51	8.26	55.29	15.36	1.55	0.16
Lakhara Chariali		7.27	502.10	0.20	331.39	BDL	120.00	120.00	70.90	18.80	BDL	0.46	25.52	11.36	110.59	45.90	23.99	0.55
Lakshmi Mandir		7.33	635.20	BDL	419.23	BDL	165.00	165.00	85.08	37.50	BDL	0.47	30.62	16.52	144.62	73.30	11.09	0.53
Lalganesh Chariali		7.92	1266.00	0.10	835.56	BDL	280.00	280.00	187.89	80.95	1.21	0.84	54.44	28.91	255.20	183.80	14.15	0.26
Mairapatti		7.31	887.90	0.10	586.01	BDL	145.00	145.00	141.80	62.47	7.19	0.74	44.24	28.91	229.68	85.61	9.38	2.68
Maligaon		7.66	677.60	BDL	447.22	BDL	220.00	220.00	63.81	30.42	0.41	0.90	49.34	17.55	195.66	55.82	14.52	0.64
Narengi		7.90	885.40	BDL	584.36	BDL	295.00	295.00	106.35	27.01	BDL	1.32	44.24	27.87	225.43	101.30	10.74	2.95
Paltan Bazar		7.73	994.50	0.20	656.37	BDL	305.00	305.00	120.53	33.02	3.00	0.84	57.85	33.04	280.72	87.99	25.82	0.78
Panikhaiti		7.67	374.50	0.30	247.17	BDL	130.00	130.00	28.36	26.28	0.32	1.20	39.13	15.49	161.63	14.49	1.95	0.23
Panjabari		7.73	406.70	BDL	268.42	BDL	130.00	130.00	46.08	8.70	BDL	0.90	34.03	10.32	127.60	30.42	5.30	0.88
Patgaon		7.28	234.50	0.50	154.77	BDL	100.00	100.00	17.73	26.59	BDL	0.48	13.61	12.39	85.07	21.72	9.85	2.78
Patharquery		7.57	423.00	0.30	279.18	BDL	135.00	135.00	42.54	41.37	BDL	0.59	39.13	9.29	136.11	41.54	5.35	1.01
Rangia	DW	7.42	409.50	0.80	270.27	BDL	50.00	50.00	10.64	5.72	6.19	0.80	57.85	6.19	170.14	7.55	2.99	BDL
Sijubari		7.68	841.40	BDL	555.32	BDL	195.00	195.00	88.63	65.32	3.96	2.10	40.83	13.42	157.38	88.70	38.23	0.10
Sonapur	DW	7.45	317.60	0.70	209.62	BDL	60.00	60.00	31.91	43.10	BDL	0.26	18.00	10.92	90.00	20.83	13.22	0.30

Location/District	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
					Conc. in mg/L													
ARUNACHAL PRADESH																		
Survey Odalbakra		7.79	976.90	0.10	644.75	BDL	260.00	260.00	138.26	35.25	2.49	1.42	42.53	33.04	242.44	111.58	9.31	0.53
Vishwakarma Temple		7.45	646.10	BDL	426.43	BDL	100.00	100.00	85.08	78.91	8.34	0.82	40.83	13.42	157.38	70.80	8.06	0.16
Wireless		7.77	904.60	0.40	597.04	BDL	290.00	290.00	113.44	31.86	3.30	1.60	34.03	26.84	195.66	118.1	8.67	2.89
Zoo Narengi Road HS		7.99	1273.00	0.10	840.18	BDL	475.00	475.00	116.99	6.58	BDL	1.60	35.73	36.13	238.19	116.5	15.10	1.22
Karbi-Anglong																		
Amlokhi	DW	8.15	809.10	BDL	534.01	BDL	370.00	370.00	77.99	15.90	3.23	0.97	42.53	85.69	459.37	7.53	1.49	1.27
Balipathar	DW	7.71	97.77	BDL	64.53	BDL	25.00	25.00	17.73	20.50	0.94	0.18	6.81	6.19	42.53	11.43	5.61	0.22
Bokajan I	DW	6.91	235.00	BDL	155.10	BDL	20.00	20.00	46.09	41.80	8.88	0.15	23.82	10.32	102.08	19.20	1.59	0.12
Bokajan II	DW	7.23	229.40	0.30	151.40	BDL	85.00	85.00	17.73	38.60	0.77	0.30	30.62	5.16	97.83	22.54	2.70	0.16
Bokoliaghat	DW	6.89	230.00	0.20	151.80	BDL	20.00	20.00	60.27	4.60	2.22	0.16	8.51	5.16	42.53	27.78	5.51	0.67
Deopani	DW	7.33	340.40	0.50	224.66	BDL	105.00	105.00	49.63	45.70	1.82	0.40	49.34	9.29	161.63	27.66	4.36	0.12
Dillai	DW	7.35	288.70	BDL	190.54	BDL	55.00	55.00	49.63	60.14	1.14	0.30	32.33	15.49	144.62	19.36	8.20	0.50
Diphu	DW	7.49	995.80	BDL	657.23	BDL	470.00	470.00	85.08	75.06	3.91	0.29	131.00	197.18	1139.91	20.12	5.18	0.19
Dishobai	DW	7.91	384.90	0.60	254.03	BDL	125.00	125.00	56.72	51.70	2.03	0.68	59.55	8.26	182.90	32.96	6.68	0.82
Hidipi	DW	7.48	198.80	0.30	131.21	BDL	45.00	45.00	24.82	46.47	3.52	0.30	25.52	9.29	102.08	9.33	10.41	0.33
Khatkhathi	DW	7.90	469.90	0.50	310.13	BDL	145.00	145.00	70.90	73.40	3.20	0.73	66.35	15.49	229.68	40.89	6.70	2.06
Khatkhathi (Matipul Namghar)	DW	7.48	63.00	BDL	41.58	BDL	30.00	30.00	14.18	38.36	0.93	0.13	8.51	9.29	59.55	11.83	6.40	0.30
Lahorijan	DW	8.07	1016.00	BDL	670.56	BDL	170.00	170.00	198.52	16.22	5.59	0.53	64.65	59.88	408.33	2.57	1.61	0.14
Lakhijan	DW	7.87	164.60	0.80	108.64	BDL	65.00	65.00	21.27	72.50	0.64	0.26	32.33	4.13	97.83	28.88	10.17	0.36
Lumding Road, Diphu	DW	8.16	399.30	BDL	263.54	BDL	230.00	230.00	17.73	82.12	3.32	0.57	49.34	71.23	416.83	2.58	1.53	0.17
Manja	DW	7.84	273.70	0.10	180.64	BDL	35.00	35.00	67.36	2.70	0.81	0.35	13.61	6.19	59.55	32.71	6.55	1.30
Matibung Rd.	DW	8.08	384.00	0.10	253.44	BDL	95.00	95.00	60.27	76.54	5.80	0.30	27.22	12.39	119.10	49.84	36.23	0.01
Mohendijua	DW	7.55	272.40	BDL	179.78	BDL	40.00	40.00	60.27	38.21	1.18	0.23	20.42	8.26	85.07	37.23	6.56	0.48
Phonglangso	DW	7.97	390.60	0.20	257.80	BDL	275.00	275.00	21.27	81.26	0.58	1.80	44.24	66.07	382.81	2.40	1.63	0.43
Saphapani	DW	7.45	142.20	BDL	93.85	BDL	35.00	35.00	31.91	49.90	0.71	0.24	17.01	5.16	63.80	32.34	4.26	0.34
Silanijan	DW	7.29	241.50	0.10	159.39	BDL	25.00	25.00	60.27	5.04	1.94	0.39	8.51	8.26	55.29	19.30	4.61	0.28
Terangaon	DW	7.63	263.30	BDL	173.78	BDL	115.00	115.00	24.82	81.91	1.07	0.68	47.64	11.36	165.88	26.20	12.97	0.19
Lakhimpur																		
Bihpuria	DW	6.84	115.80	BDL	76.43	BDL	65.00	65.00	10.64	38.00	BDL	0.34	35.73	4.13	106.34	3.34	5.14	BDL

Location/District	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
					Conc. in mg/L													
ARUNACHAL PRADESH																		
Dejoo	DW	6.42	73.39	0.30	48.44	BDL	30.00	30.00	14.18	15.59	1.24	0.09	17.01	4.13	59.55	2.51	2.75	BDL
Laluk	DW	6.76	309.50	0.30	204.27	BDL	135.00	135.00	24.82	80.92	4.09	0.43	81.67	10.32	246.70	4.38	1.52	0.01
Milanpur	DW	7.14	141.40	0.10	93.32	BDL	80.00	80.00	10.64	48.40	BDL	0.35	44.24	6.19	136.11	1.89	4.28	BDL
Mori Dirgha	DW	7.09	212.00	BDL	139.92	BDL	110.00	110.00	14.18	72.45	BDL	0.45	52.74	11.36	178.64	5.91	7.98	1.29
North Lakhimpurold	DW	7.25	94.77	0.20	62.55	BDL	50.00	50.00	7.09	29.87	BDL	0.48	25.52	4.13	80.81	3.15	2.39	0.54
Pathalipam	DW	7.09	89.39	0.30	59.00	BDL	35.00	35.00	10.64	21.82	BDL	0.19	15.31	4.13	55.29	4.51	6.13	BDL
Morigaon																		
Baghara	DW	8.06	395.60	BDL	261.10	BDL	160.00	160.00	28.36	28.60	BDL	0.47	32.00	13.35	135.00	16.95	22.35	0.50
Jagiroad	DW	7.81	492.60	BDL	325.12	BDL	125.00	125.00	42.54	67.61	BDL	0.49	32.00	15.78	145.00	45.77	10.96	0.16
Nelle	DW	7.05	130.40	0.60	86.06	BDL	25.00	25.00	10.64	21.19	0.46	0.22	6.00	4.85	35.00	6.24	3.55	0.13
Nagaon																		
Bordowa	DW	8.17	363.20	0.60	239.71	BDL	130.00	130.00	21.27	49.99	BDL	0.66	38.00	8.50	130.00	34.94	3.20	0.20
Dhing	DW	8.20	598.20	0.10	394.81	BDL	210.00	210.00	39.00	58.75	0.53	0.59	40.00	25.49	205.00	48.57	7.93	0.14
Gomotha	DW	8.18	800.70	BDL	528.46	BDL	320.00	320.00	56.72	43.40	BDL	0.93	48.00	32.77	255.00	69.32	19.17	0.45
Haldiati	DW	7.48	307.60	0.20	203.02	BDL	60.00	60.00	53.18	33.62	BDL	0.39	14.00	8.50	70.00	31.92	5.56	0.08
Hatenibatha	DW	8.11	1179.00	BDL	778.14	BDL	420.00	420.00	166.62	5.20	BDL	0.95	80.00	44.90	385.00	88.61	4.55	1.48
Kathiatoli	DW	8.15	802.70	BDL	529.78	BDL	230.00	230.00	81.54	63.50	BDL	0.48	42.00	27.91	220.00	74.44	20.58	0.43
Jurapukhari	DW	8.20	393.90	BDL	259.97	BDL	180.00	180.00	24.82	27.25	BDL	0.76	38.00	9.71	135.00	42.95	4.68	0.06
Naltoli	DW	7.74	181.50	0.30	119.79	BDL	95.00	95.00	14.18		BDL	0.45	14.00	10.92	80.00	5.28	2.71	0.64
Phulaguri	DW	8.21	296.90	BDL	195.95	BDL	165.00	165.00	24.81	76.44	0.27	0.61	74.86	19.62	267.96	1.16	4.12	0.88
Sulung	DW	7.98	305.20	BDL	201.43	BDL	145.00	145.00	17.73	34.01	BDL	0.42	36.00	13.35	145.00	18.60	10.72	0.11
Nalbari																		
Daulasal	DW	7.38	730.60	0.60	482.20	BDL	355.00	355.00	17.73	19.80	2.92	0.79	120.8	50.59	510.41	6.19	15.29	BDL
Tihu	DW	8.08	621.10	BDL	409.93	BDL	360.00	360.00	28.36	8.28	5.30	1.30	25.52	15.49	127.60	85.27	7.40	BDL
Sibsagar																		
Bandarmari	DW	8.11	269.30	BDL	177.74	BDL	150.00	150.00	28.36	81.20	1.63	0.46	61.25	25.81	259.46	3.43	3.69	1.01
Demow Sokan	DW	8.01	207.70	BDL	137.08	BDL	125.00	125.00	28.36	51.60	0.15	0.25	30.62	25.81	182.90	15.14	1.14	0.27
Sapekhathi	DW	7.41	103.20	0.30	68.11	BDL	40.00	40.00	24.82	4.10	2.44	0.09	20.42	2.06	59.55	8.41	1.49	1.22
Sibsagar	DW	7.71	524.00	0.10	345.84	BDL	240.00	240.00	28.36	73.82	3.14	0.62	107.2	33.04	404.07	3.47	6.15	0.57
Sonitpur																		
Balipara	DW	7.01	333.20	BDL	219.91	BDL	110.00	110.00	46.09	73.60	BDL	0.39	52.74	19.62	212.67	9.46	15.81	BDL
Barchola	DW	7.23	296.10	BDL	195.43	BDL	105.00	105.00	28.36	77.64	2.33	0.39	28.92	20.65	157.38	18.53	25.75	BDL
Bihupukhuri	DW	6.84	228.30	BDL	150.68	BDL	55.00	55.00	39.00	51.57	19.23	0.33	51.04	9.29	165.88	4.66	8.62	BDL

Location/District	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
					Conc. in mg/L													
ARUNACHAL PRADESH																		
Biswanath	DW	7.08	436.60	0.30	288.16	BDL	150.00	150.00	46.09	80.15	2.72	0.57	64.65	30.97	289.23	2.32	7.49	0.13
Biswanath Chariali	DW	7.64	403.40	0.20	266.24	BDL	225.00	225.00	21.27	5.21	3.76	0.48	124.2	17.55	382.81	12.32	4.61	BDL
Buroighat	DW	7.40	118.10	BDL	77.95	BDL	75.00	75.00	7.09	37.53	BDL	0.44	37.43	5.16	114.84	1.03	4.44	0.26
Charduar	DW	7.38	505.30	BDL	333.50	BDL	145.00	145.00	46.09	79.60	9.21	0.41	76.56	25.81	297.74	1.61	2.04	BDL
Dhekiajuli	DW	7.27	200.70	0.50	132.46	BDL	80.00	80.00	28.36	53.97	BDL	0.43	25.52	18.58	140.36	13.99	7.19	BDL
Garumari	DW	7.24	170.20	BDL	112.33	BDL	70.00	70.00	10.64	50.90	BDL	0.42	17.01	15.49	106.34	9.84	9.10	0.04
Gohpur New	DW	7.27	420.90	BDL	277.79	BDL	190.00	190.00	28.36	35.95	BDL	0.53	81.67	36.13	353.03	17.85	13.46	BDL
Helem	DW	7.12	104.80	BDL	69.17	BDL	60.00	60.00	14.18	21.20	1.36	0.28	20.42	10.32	93.57	1.07	4.83	BDL
Jamuguri North	DW	7.83	600.90	BDL	396.59	BDL	350.00	350.00	24.82	32.63	BDL	0.84	163.3	28.91	527.42	25.65	5.63	0.08
Kheroni	DW	7.70	223.70	BDL	147.64	BDL	95.00	95.00	24.82	52.71	BDL	0.42	35.73	13.42	144.62	10.76	14.42	0.13
Na Pam	DW	7.62	183.50	0.60	121.11	BDL	95.00	95.00	14.18	40.69	0.39	0.40	45.94	3.10	127.60	10.09	5.37	BDL
Tezpur	DW	7.81	438.70	0.10	289.54	BDL	175.00	175.00	49.63	77.32	BDL	0.61	64.65	33.04	297.74	7.18	9.93	0.13
Tinsukia																		
Borgolai	DW	6.21	434.00	0.10	286.44	BDL	10.00	10.00	56.72	70.30	BDL	0.04	36.00	10.92	135.00	14.09	6.29	2.40
Digboi	DW	7.64	232.40	0.10	153.38	BDL	115.00	115.00	10.64	23.27	BDL	0.18	38.00	6.07	120.00	6.82	2.66	0.89
Jagun	DW	6.87	109.70	BDL	72.40	BDL	20.00	20.00	10.64	17.60	0.37	0.07	6.00	3.64	30.00	10.33	1.37	0.18
Jaipur Naharjan	DW	7.71	233.10	0.10	153.85	BDL	105.00	105.00	10.64	19.13	BDL	0.26	24.00	10.92	105.00	8.92	3.81	2.50
Lekhapani	DW	7.31	142.30	BDL	93.92	BDL	40.00	40.00	10.64	14.70	BDL	0.12	12.00	4.85	50.00	6.11	4.22	0.38
Panitola	DW	7.73	314.40	0.20	207.50	BDL	110.00	110.00	17.73	38.73	0.43	0.25	36.00	10.92	135.00	11.28	9.32	0.23
Tinsukia	DW	8.00	774.40	BDL	511.10	BDL	170.00	170.00	74.45	60.75	6.41	0.15	56.00	27.91	255.00	30.91	14.71	0.25
Tipong	DW	7.07	540.70	0.50	356.86	BDL	10.00	10.00	49.63	64.73	1.06	0.18	22.00	13.35	110.00	17.10	10.45	0.47
Tirap Gate	DW	7.25	232.60	0.60	153.52	BDL	45.00	45.00	17.73	49.49	BDL	0.16	10.00	13.35	80.00	15.21	8.44	0.87
Udalguri																		
Bengbari	DW	7.32	149.00	BDL	98.34	BDL	195.00	195.00	17.73	3.10	2.14	0.46	23.82	20.65	144.62	17.05	1.11	BDL
Bhalukmari	DW	7.23	219.70	BDL	145.00	BDL	85.00	85.00	35.45	74.30	4.41	0.52	35.73	29.94	212.67	3.67	1.60	BDL
Hatitopagaon	DW	7.15	526.40	0.30	347.42	BDL	170.00	170.00	10.64	58.78	2.58	0.98	51.04	22.71	221.18	8.01	2.17	0.27
Kendurtal	DW	7.63	313.20	0.10	206.71	BDL	105.00	105.00	10.64	29.16	3.42	0.81	73.16	7.23	212.67	3.46	2.32	BDL
Paneri	DW	7.70	297.00	BDL	196.02	BDL	160.00	160.00	10.64	16.41	2.12	0.62	71.46	22.71	272.22	0.82	2.09	BDL
Rowta Chariali	DW	7.20	191.60	BDL	126.46	BDL	80.00	80.00	24.82	8.18	3.80	0.40	32.33	1.03	85.07	12.49	2.56	BDL
MEGHALAYA																		
Ri-bhoi																		
Tamanpahlong	DW	5.14	27.53	0.40	18.17	BDL	10.00	10.00	3.55	14.70	BDL	0.07	1.70	3.10	17.01	1.77	7.00	0.01
Umroi Maidan	DW	5.94	83.39	BDL	55.04	BDL	40.00	40.00	10.64	26.20	1.34	0.06	23.82	4.13	76.56	2.51	1.15	0.04
Byrnihat	DW	6.41	369.10	0.30	243.61	BDL	105.00	105.00	42.54	81.70	BDL	0.40	57.85	13.42	199.91	20.77	7.64	0.30

Location/District	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
					Conc. in mg/L													
ARUNACHAL PRADESH																		
Nayabunglow	DW	5.53	210.70	BDL	139.06	BDL	25.00	25.00	46.09	23.10	3.58	0.13	11.91	7.23	59.55	23.27	3.30	0.05
Nongpoh	DW	6.38	411.00	0.40	271.26	BDL	85.00	85.00	53.18	10.48	4.42	0.21	52.74	10.32	174.39	28.22	14.39	BDL
Pahanmawlier	DW	6.34	93.82	BDL	61.92	BDL	35.00	35.00	10.64	35.60	BDL	0.31	17.01	5.16	63.80	3.60	1.86	0.03
Patharkhamma Barigaon	DW	5.56	79.73	BDL	52.62	BDL	25.00	25.00	24.82	1.96	BDL	0.10	5.10	5.16	34.03	4.74	7.27	0.06
West Jaintia Hills																		
Amlarem	DW	5.59	40.42	0.30	26.68	BDL	15.00	15.00	17.73	2.35	BDL	0.06	5.10	5.16	34.03	0.91	0.49	BDL
Jowai New	DW	5.57	63.47	0.30	41.89	BDL	20.00	20.00	21.27	7.66	BDL	0.08	3.40	7.23	38.28	4.44	1.32	BDL
NAGALAND																		
Dimapur																		
3 Mile Bazar	DW	7.79	949.80	BDL	626.87	BDL	80.00	80.00	184.34	78.62	11.87	0.71	85.07	124.92	727.33	1.84	1.66	0.37
7th Mile Colony	DW	6.68	232.20	BDL	153.25	BDL	15.00	15.00	49.63	67.79	10.06	0.22	8.51	10.32	63.80	40.26	19.94	0.06
Bade Bazar	DW	6.71	184.40	0.30	121.70	BDL	30.00	30.00	42.54	52.00	1.21	0.21	18.71	7.23	76.56	34.36	2.38	0.07
Chumkidima	DW	7.19	636.90	BDL	420.35	BDL	75.00	75.00	134.71	21.80	6.61	0.21	52.74	32.00	263.71	19.88	1.36	0.15
Diphupar	DW	7.28	588.20	0.10	388.21	BDL	30.00	30.00	159.53	63.14	3.52	0.28	28.92	13.42	127.60	99.61	6.35	0.05
Douapur DMC	DW	7.14	162.80	0.20	107.45	BDL	575.00	575.00	39.00	1.84	3.83	0.23	10.21	10.32	68.05	239.0	3.73	0.16
Maibiram	DW	7.50	255.50	BDL	168.63	BDL	120.00	120.00	21.27	15.20	0.90	0.53	17.01	17.55	114.84	20.17	1.93	0.31
Marwari Colony	DW	8.21	617.40	0.20	407.48	BDL	250.00	250.00	56.72	79.93	4.27	0.91	90.17	43.36	404.07	2.05	2.31	0.12
Riliyan Colony	DW	8.10	357.30	0.50	235.82	BDL	115.00	115.00	42.54	57.97	5.29	0.32	68.05	11.36	216.92	7.23	7.67	0.10
Singriyan I	DW	7.42	123.10	BDL	81.25	BDL	30.00	30.00	24.82	20.72	3.00	0.23	13.61	8.26	68.05	8.89	3.51	0.47
Surja Colony	DW	7.27	482.30	BDL	318.32	BDL	20.00	20.00	116.99	66.85	9.75	0.25	22.12	26.84	165.88	43.33	10.52	0.02
Thilaxu Blk II	DW	7.43	363.50	BDL	239.91	BDL	70.00	70.00	49.63	71.85	9.94	0.25	49.34	17.55	195.66	14.14	3.71	0.05
Zakesatho Colony	DW	7.91	663.20	0.50	437.71	BDL	130.00	130.00	92.17	73.89	3.92	0.57	45.94	21.68	204.16	45.93	32.93	0.23
TRIPURA																		
Gomati																		
Amarpur	DW	7.96	180.10	BDL	118.87	BDL	70.00	70.00	10.64	22.10	1.07	0.27	20.00	2.43	60.00	14.26	4.19	1.56
Ampi Colony	DW	7.30	96.27	BDL	63.54	BDL	25.00	25.00	7.09	18.30	0.51	0.19	8.00	4.85	40.00	5.95	1.95	0.21
Bampur	DW	8.25	376.70	0.60	248.62	BDL	100.00	100.00	28.36	56.80	1.11	0.30	40.00	2.43	110.00	34.97	11.68	0.22
Dewanbari	DW	7.96	207.00	0.10	136.62	BDL	60.00	60.00	14.18	24.75	3.09	0.21	18.00	8.50	80.00	10.41	4.09	0.12
Dhwajnagar	DW	7.83	179.60	BDL	118.54	BDL	70.00	70.00	10.64	14.75	1.37	0.25	20.00	3.64	65.00	12.14	3.33	1.58
Jatanbari	DW	7.46	102.60	0.20	67.72	BDL	35.00	35.00	7.09	14.07	0.45	0.20	8.00	4.85	40.00	5.97	2.06	0.26
Kankraban	DW	7.65	142.90	BDL	94.31	BDL	55.00	55.00	17.73	17.80	2.21	0.21	18.00	1.21	50.00	11.88	5.73	0.32
Noabari	DW	7.59	175.50	BDL	115.83	BDL	60.00	60.00	14.18	26.12	0.90	0.22	18.00	2.43	55.00	12.21	3.31	1.70
Tufaniamura	DW	8.25	383.00	BDL	252.78	BDL	130.00	130.00	35.45	42.80	0.85	0.31	34.00	7.28	115.00	35.14	11.59	0.18

Location/District	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
					Conc. in mg/L													
ARUNACHAL PRADESH																		
Khawai																		
Kalyanpur	DW	8.26	433.70	0.40	286.24	BDL	120.00	120.00	28.36	42.92	9.78	0.35	48.00	13.35	175.00	12.76	6.73	0.17
Khawai	DW	8.12	216.70	0.60	143.02	BDL	115.00	115.00	7.09	17.72	3.02	0.49	20.00	9.71	90.00	19.39	2.72	1.60
Paschim Hawaibari	DW	8.01	204.40	BDL	134.90	BDL	95.00	95.00	14.18	42.21	1.65	0.41	14.00	9.71	75.00	23.13	2.65	1.57
Subalsing	DW	8.29	467.10	BDL	308.29	BDL	100.00	100.00	31.91	76.10	10.54	0.38	50.00	19.42	205.00	11.04	7.05	0.24
Sepahi-jala																		
D.Kalamcharra	DW	7.84	96.23	BDL	63.51	BDL	50.00	50.00	10.63	41.21	0.78	0.30	40.00	3.64	115.00	30.38	10.20	0.18
Gongrai	DW	7.74	175.80	BDL	116.03	BDL	70.00	70.00	14.18	2.47	1.60	0.30	18.00	3.64	60.00	16.81	2.40	1.45
Jubaranagar/Gola ghati	DW	8.20	380.40	BDL	251.06	BDL	115.00	115.00	28.36	8.18	0.61	0.25	6.00	3.64	30.00	13.07	1.76	0.10
Kathaliabazar	DW	7.71	93.55	0.60	61.74	BDL	50.00	50.00	7.09	65.50	0.86	0.27	36.00	6.07	115.00	29.22	10.21	0.13
Kenania	DW	8.14	492.80	0.40	325.25	BDL	115.00	115.00	31.91	69.57	0.45	0.93	46.00	21.84	205.00	18.05	15.52	0.23
Sonamura	DW	7.55	85.25	BDL	56.27	BDL	45.00	45.00	7.09	2.01	0.70	0.35	22.00	12.14	105.00	10.22	59.95	0.50
South Tripura																		
Gardhang	DW	7.91	167.00	BDL	110.22	BDL	75.00	75.00	7.09	61.24	0.70	0.24	16.00	2.43	50.00	15.09	5.24	1.58
Gorjee Bazar	DW	7.73	679.10	0.10	448.21	BDL	55.00	55.00	127.62	47.25	11.13	0.21	34.00	8.50	120.00	88.84	11.48	0.18
Kalacharra	DW	7.24	653.80	0.30	431.51	BDL	65.00	65.00	131.17	12.30	5.30	0.08	12.00	4.85	50.00	27.50	1.75	0.09
Manurmukh	DW	7.32	170.50	0.20	112.53	BDL	75.00	75.00	7.09	19.41	1.33	0.22	8.00	3.64	35.00	8.05	2.61	0.30
Radhanagar	DW	7.41	95.83	BDL	63.25	BDL	35.00	35.00	17.73	3.39	4.20	0.14	12.00	3.64	45.00	25.08	2.01	0.23
Rajnagar	DW	7.21	95.88	0.30	63.28	BDL	30.00	30.00	21.27	18.90	3.40	0.38	14.00	8.50	70.00	17.25	2.45	0.48
Sabroom	DW	7.34	121.30	0.40	80.06	BDL	20.00	20.00	14.18	15.40	0.60	0.39	10.00	7.28	55.00	22.50	1.67	0.55
West Tripura																		
A.D Nagar	DW	6.44	78.51	BDL	51.82	BDL	15.00	15.00	14.18	8.13	2.77	0.07	4.00	3.64	25.00	9.74	1.08	0.06
Dukli	DW	7.22	710.70	BDL	469.06	BDL	10.00	10.00	49.63	16.21	8.77	0.09	8.00	6.07	45.00	28.64	3.33	0.07
Ishanpur	DW	8.24	462.80	BDL	305.45	BDL	135.00	135.00	31.91	55.04	10.67	0.33	62.00	13.35	210.00	11.76	7.47	0.28
Mohanpur	DW	7.13	198.10	BDL	130.75	BDL	20.00	20.00	39.00	32.06	4.48	0.08	4.00	6.07	35.00	35.22	6.46	0.05
Simna	DW	7.41	191.50	0.60	126.39	BDL	45.00	45.00	39.00	18.24	4.08	0.06	4.00	3.64	25.00	33.17	6.00	0.08

ANNEXURE - XXIV
Chemical Quality of Water Samples Collected from GWMS of NER
during 2017-18 (Trace metals)

District	Location	Type of Well	As	Cu	Mn	Zn	Cr
			μg/L				
ARUNACHAL PRADESH							
East Siang	Berrung/ Satmile	DW	BDL	3.14	25.00	739.00	-
East Siang	Pasighat New	DW	BDL	3.95		20.00	-
East Siang	Ruskin	DW	BDL	29.35		683.00	-
East Siang	Sika Barma Todee	DW	BDL	9.08		BDL	-
Lower Subansiri	Bomte	DW	0.50	3.41	25.00	BDL	-
Lower Subansiri	Kolaputkar	DW	BDL	5.03		BDL	-
Lower Subansiri	Rajgarh	DW	BDL	3.14		BDL	-
Papum Pare	Banderdewa I	DW	7.50	59.62		BDL	-
Papum Pare	Chimpu	DW	8.50	3.95	235.00	BDL	-
Papum Pare	Doimukh	DW	BDL	9.08	75.00	450.00	-
Papum Pare	Itanagar I	DW	BDL	3.95	30.00	BDL	-
Papum Pare	Kimin	DW	BDL	2.87		BDL	-
Papum Pare	Nirjuli Vill-II A	DW	8.50	7.19	170.00	BDL	-
Papum Pare	Nirjuli Vill-II B	DW	BDL	6.38	60.00	BDL	-
Papum Pare	Sonajuli	DW	BDL	7.73	215.00	BDL	-
ASSAM							
Cachar	Badribasti	DW	BDL	BDL	31.00	395.00	-
Cachar	Borjalinga	DW	BDL	BDL	93.00	205.00	-
Cachar	Borkhola	DW	BDL	17.00	70.00	224.00	-
Cachar	Dargakona	DW	BDL	BDL		224.00	-
Cachar	Digharkhal	DW	BDL	BDL		469.00	-
Cachar	Fulertol	DW	BDL	BDL	288.00	107.00	-
Cachar	Gosaiपुर part II	DW	BDL	17.00	23.00	1002.00	-
Cachar	Hilara	DW	BDL	132.00	39.00	126.00	-
Cachar	Kalin	DW	BDL	281.00	78.00	14.00	-
Cachar	Kashipur	DW	BDL	66.00	93.00	5442.00	-
Cachar	Katigora	DW	BDL	17.00	23.00	728.00	-
Cachar	Masimpur	DW	BDL	182.00	54.00	161.00	-
Cachar	Moinarbond	DW	BDL	149.00	16.00	165.00	-
Cachar	Nagdirgran	DW	BDL	66.00	23.00	469.00	-
Cachar	Poilapul	DW	BDL	66.00	39.00	577.00	-
Cachar	Razabazar	DW	BDL	50.00	47.00	351.00	-
Cachar	Shicoorie	DW	BDL	50.00		63.00	-
Cachar	Shivachal	DW	BDL	33.00	132.00	410.00	-
Cachar	Shivtila	DW	BDL	165.00	23.00	386.00	-
Cachar	Tarapur	DW	BDL	66.00	31.00	200.00	-
Dhemaji	Bhagaban Chariali	DW	BDL	15.00	213.33	993.00	BDL
Dhemaji	Bijoypur	DW	BDL	20.00	60.00	BDL	2.85

District	Location	Type of Well	As	Cu	Mn	Zn	Cr
			µg/L				
Dhemaji	Dekapam	DW	BDL	15.00	250.00	BDL	BDL
Dhemaji	Dhemaji	DW	BDL	15.00	130.00	BDL	BDL
Dhemaji	Jonai	DW	BDL	20.00	176.67	628.00	3.48
Dhemaji	Moridhol	DW	BDL	20.00	133.33	4355.00	BDL
Dhemaji	Santipur	DW	BDL	20.00	80.00	400.00	1.60
Dhemaji	Sisiborgaon	DW	BDL	20.00		1736.00	BDL
Goalpara	Baida	DW	BDL	10.15	BDL	BDL	19.19
Goalpara	Bhalukdubi	DW	BDL	8.62		BDL	17.94
Goalpara	Dudhnoi	DW	BDL	12.46	BDL	484.00	37.94
Goalpara	Dudhnoi II	DW	BDL	8.87		BDL	23.56
Goalpara	Dwarka	DW	BDL	15.54	13.00	17.00	30.13
Goalpara	Krishnai New	DW	BDL	8.62		BDL	23.88
Goalpara	Rongjuli	DW	1.5	17.73	25.00	BDL	-
Goalpara	Teuli	DW	6.5	1.78	15.00	BDL	-
Golaghat	Bokakhat	DW	BDL	20.00	56.67	119.00	5.15
Golaghat	Bongaon, NH 37	DW	BDL	40.00	93.33	1425.00	BDL
Golaghat	Gandhibari Namghar	DW	BDL	20.00	166.67	3061.00	BDL
Golaghat	Garampani	DW	BDL	15.00	173.33	BDL	BDL
Golaghat	Garigaon	DW	BDL	20.00		BDL	BDL
Golaghat	Haldibari Buri Ali	DW	2.467	15.00		BDL	BDL
Golaghat	Kamargaon	DW	BDL	20.00		BDL	BDL
Golaghat	Oating	DW	BDL	20.00	100.00	BDL	BDL
Hailakandi	Burakhai	DW	BDL	165.00	23.00	581.00	-
Hailakandi	Katlicherra New	DW	BDL	66.00	62.00	831.00	-
Hailakandi	Monachara	DW	BDL	66.00		278.00	-
Hailakandi	Pamchgram New	DW	BDL	99.00	31.00	376.00	-
Hailakandi	Syed Bond PartII	DW	BDL	99.00		567.00	-
Jorhat	Bijay Nagar	DW	BDL	25.00	76.67	670.00	BDL
Jorhat	Chandar Nagar	DW	BDL	20.00		113.00	BDL
Jorhat	Cinemora	DW	BDL	25.00		185.00	0.15
Jorhat	Dabarapara Chariali	DW	BDL	20.00	213.33	993.00	BDL
Jorhat	Dahotia	DW	BDL	25.00		418.00	BDL
Jorhat	Ghatisunga	DW	BDL	11.60	33.43	BDL	16.49
Jorhat	Jorhat Bye Pass	DW	NS	NS	NS	BDL	NS
Jorhat	Kamarbandha TE	DW	BDL	25.00	136.67	BDL	0.35
Jorhat	Kokilamukh	DW	BDL	20.00		BDL	0.98
Jorhat	Kolakhowa	DW	BDL	20.00	96.67	BDL	BDL
Jorhat	Kunwari Pukhuri	DW	BDL	25.00	96.67	BDL	0.98
Jorhat	Lichubari	DW	BDL	25.00	-	BDL	BDL
Jorhat	Mariani	DW	BDL	25.00	-	BDL	BDL
Jorhat	Meleng Kaparadharia	DW	BDL	25.00	146.67	BDL	BDL

District	Location	Type of Well	As	Cu	Mn	Zn	Cr
			µg/L				
Jorhat	Sodial Kachari Gaon	DW	BDL	25.00	86.67	1856.00	BDL
Jorhat	Titabor	DW	3.613	20.00	-	BDL	BDL
Kamrup	Bamunigaon	DW	4.5	3.41	110.00	36.00	-
Kamrup	Boko	DW	7.5	3.41	140.00	129.00	-
Kamrup	Chhaygaon	DW	6.5	14.22	-	301.00	-
Kamrup	Rajapara	DW	BDL	4.22	180.00	BDL	-
Kamrup	Rani	DW	BDL	7.19	-	261.00	-
Kamrup	Rani II	DW	2.5	7.73	-	153.00	-
Karbi Anglong	Adarakha Tiniali	DW	BDL	18.50	126.86	BDL	25.16
Karbi Anglong	Amlokhi	DW	BDL	2.55	40.41	BDL	3.82
Karbi Anglong	Balipathar	DW	BDL	8.98	88.43	4710.00	9.82
Karbi Anglong	Bokajan I	DW	BDL	57.31	118.17	BDL	16.27
Karbi Anglong	Bokajan II	DW	BDL	19.69	47.25	175.00	8.76
Karbi Anglong	Bokoliaghat	DW	BDL	20.88	131.86	BDL	2.93
Karbi Anglong	Deopani	DW	BDL	6.83	83.17	BDL	14.04
Karbi Anglong	Dillai	DW	BDL	5.17	48.30	BDL	5.60
Karbi Anglong	Diphu	DW	BDL	43.02	106.59	BDL	18.04
Karbi Anglong	Dishobai	DW	BDL	2.31	97.38	292.00	15.60
Karbi Anglong	Ghouria Dhubi	DW	BDL	34.21	36.20	BDL	18.71
Karbi Anglong	Hidipi	DW	BDL	5.64	118.17	BDL	15.38
Karbi Anglong	Khatkhathi	DW	BDL	9.93	48.04	BDL	24.04
Karbi Anglong	Lahorijan	DW	BDL	7.55	121.59	BDL	10.71
Karbi Anglong	Lakhijan	DW	BDL	4.69	30.67	1485.00	1.82
Karbi Anglong	Manja	DW	BDL	4.93	59.88	BDL	8.49
Karbi Anglong	Matipul Namgarh	DW	BDL	5.17	54.88	BDL	15.82
Karbi Anglong	Mohendijua	DW	BDL	8.50	50.15	BDL	4.93
Karbi Anglong	Phonglangso	DW	BDL	NS	NS	BDL	NS
Karbi Anglong	Saphapani	DW	BDL	12.31	87.91	BDL	1.82
Karbi Anglong	Silanijan	DW	BDL	6.12	79.36	583.00	29.16
Karbi Anglong	Terangaon	DW	BDL	8.74	14.09	BDL	10.27
Karimganj	Badarpur	DW	BDL	33.00	62.00	322.00	-
Karimganj	Dhaulia	DW	BDL	165.00	156.00	342.00	-
Karimganj	Hatikira	DW	BDL	66.00	39.00	905.00	-
Karimganj	Karimganj	DW	BDL	33.00	31.00	767.00	-
Karimganj	Kayasthagram	DW	BDL	33.00	62.00	366.00	-
Karimganj	Patharkandi	DW	3.929	26.82	BDL	BDL	45.13
Karimganj	R K Nagar	DW	4.643	64.77	BDL	1641.00	46.38
Karimganj	Sarkaribari	DW	6.429	25.28	BDL	1896.00	32.00
Lakhimpur	Amguri	DW	BDL	10.00	-	BDL	BDL
Lakhimpur	Bhogpur	DW	BDL	10.00	-	BDL	BDL
Lakhimpur	Bihpuria	DW	BDL	10.00	-	1149.00	BDL

District	Location	Type of Well	As	Cu	Mn	Zn	Cr
			µg/L				
Lakhimpur	Harmoti	DW	BDL	10.00	66.67	BDL	BDL
Lakhimpur	Laluk	DW	BDL	10.00	173.33	BDL	BDL
Lakhimpur	Madhupur	DW	BDL	10.00		1167.00	BDL
Lakhimpur	Milanpur	DW	BDL	6.38	10.00	116.00	-
Lakhimpur	Narayanpur	DW	BDL	10.00	23.33	466.00	BDL
Lakhimpur	Panigaon	DW	BDL	4.49		1197.00	-
Lakhimpur	Pathalipam	DW	BDL	2.05	35.00	BDL	-
Lakhimpur	Pathalipam-II	DW	BDL	10.16	20.00	920.00	-
Lakhimpur	Rupahi Line	DW	BDL	2.87	10.00	329.00	-
Nagaon	Kaziranga Tourist Village	DW	BDL	9.45	32.78	BDL	7.16
Nagaon	Phulaguri	DW	BDL	17.55	47.25	BDL	7.82
Sibasagar	Bandarmari	DW	BDL	4.69	37.78	BDL	1.60
Sibasagar	Betamari Alimore	DW	BDL	6.60	55.01	1857.00	BDL
Sibasagar	Demow Sukan	DW	BDL	28.74	71.86	BDL	11.60
Sibasagar	Sepakhati	DW	BDL	2.31	11.72	BDL	6.27
Sibasagar	Sibasagar	DW	BDL	7.79	45.01	BDL	9.82
Sonitpur	18th Mile	DW	BDL	15.00	176.67	BDL	BDL
Sonitpur	Balipara	DW	BDL	15.00	126.67	BDL	BDL
Sonitpur	Biswanath Ghat	DW	BDL	20.00	-	BDL	BDL
Sonitpur	Borchola	DW	BDL	15.00	53.33	BDL	BDL
Sonitpur	Borgang	DW	BDL	20.00	-	BDL	BDL
Sonitpur	Buroi	DW	BDL	15.00	-	BDL	BDL
Sonitpur	Charduar	DW	BDL	20.00	80.00	2096.00	BDL
Sonitpur	Dhekiajuli	DW	BDL	15.00	46.67	2342.00	BDL
Sonitpur	Garumari	DW	BDL	15.00	-	1131.00	BDL
Sonitpur	Gohpur	DW	BDL	15.00	-	BDL	BDL
Sonitpur	Helem	DW	BDL	20.00	110.00	BDL	BDL
Sonitpur	Tezpur	DW	BDL	15.00	170.00	2461.00	BDL
Sonitpur	Thelamora	DW	BDL	15.00		BDL	BDL
Sonitpur	Tupia	DW	BDL	15.00	110.00	179.00	1.19
MEGHALAYA							
East Garo Hill	Darugiri	DW	3.50	4.76	175.00	20.00	-
East Garo Hill	Narringirri	DW	4.50	12.87	50.00	225.00	-
East Garo Hill	Rongjeng	DW	BDL	1.51	50.00	BDL	-
East Garo Hill	Rongmil	DW	1.50	6.92	140.00	4.00	-
East Garo Hill	Samanda Megapagre	DW	8.50	5.03	-	157.00	-
East Garo Hill	Songsak	DW	BDL	8.00	-	189.00	-
East Garo Hill	Williamnagar	DW	2.50	5.57	-	BDL	-
East Khasi Hill	Lr.Lachaumiere	DW	7.50	15.80	BDL	563.00	32.94
East Khasi Hill	Mawpat	DW	8.57	21.18	BDL	1664.00	43.56
East Khasi Hill	Nongmysong	DW	BDL	12.21	BDL	BDL	35.75
East Khasi Hill	Shillong Dhankheti	DW	BDL	12.46	BDL	901.00	32.31

District	Location	Type of Well	As	Cu	Mn	Zn	Cr
			µg/L				
East Khasi Hill	Shillong Golf Links	DW	1.07	14.00	BDL	233.00	31.38
Jaintia Hill	Dawki	DW	0.36	16.56		BDL	32.31
Jaintia Hill	Jowai New	DW	BDL	14.51	BDL	BDL	30.75
North Garo Hill	Dainadubi	DW	4.50	6.92	-	229.00	-
North Garo Hill	Kharkutta	DW	BDL	4.76	165.00	189.00	-
North Garo Hill	Mendal	DW	BDL	4.76	-	100.00	-
Ri Bhoi	Byrnihat	DW	0.71	16.56	BDL	BDL	33.56
Ri Bhoi	Nayabunglow	DW	0.71	18.62	BDL	BDL	28.88
Ri Bhoi	Nongpoh	DW	0.36	10.92	28.00	BDL	28.25
West Garo Hill	Asanang	DW	3.50	3.68	-	BDL	-
West Garo Hill	Belguri	DW	3.50	7.73	-	245.00	-
West Garo Hill	Garobandha	DW	2.50	4.76	-	BDL	-
West Garo Hill	Nidanpur	DW	1.50	9.62	-	349.00	-
West Garo Hill	Phulbari	DW	2.50	18.00	-	185.00	-
West Garo Hill	Phutamati	DW	0.50	20.16	-	BDL	-
West Garo Hill	Rajabala	DW	3.50	4.22	150.00	BDL	-
West Garo Hill	Rongram	DW	3.50	8.00		BDL	-
West Garo Hill	Tikrikilla	DW	5.50	4.22	50.00	BDL	-