GROUND WATER YEAR BOOK 2014-2015

भू-जल वार्षिक पत्रिका २०१४-१५

CENTRAL GROUND WATER BOARD
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उत्तर पूर्वी क्षेत्र
GUWAHATI
गुवाहाटी

September 2015
सितम्बर २०१५

FOREWORD

Ground water is a dynamic and replenishable resource and monitoring special 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 has decided to issue a Ground Water Year Book annually for each State by compiling the hydrogeological, 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 645 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 hydrogeological units in the States, i.e. 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 area, possible ground water pollution hazards, area 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 the maps depicting the ground water scenario for the period of measurement are presented and explained in this report.

The water level data of Ground Water Monitoring Wells in the States have been effectively compiled, analyzed and presented in this report by K.Ramanand Sc-C, N.K. Jatav Sc-B, Wonjano Mozhui Sc-B and G.Vengatajalapathi STA (Hydrogeology). The scientific officers of the Regional Office have systematically collected field data from the GWMSs four times a year viz. March, August, November and January. The sincere efforts of Sri P. Kalita, Scientist 'D' and Sri.AK.Phukan Scientist 'C' 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, 2015

(Dr.UTPAL GOGOI)
Regional Director

GROUND WATER YEAR BOOK
NORTH EASTERN REGION
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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, 645 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. There are 569 dug wells and 76 piezometers 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 post-monsoon 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 regional and temporal variations in quality and quantity of groundwater resources. Groundwater monitoringcan 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 (499), Meghna (121), and Imphal (25).

In unconsolidated formations 555 GWMWs are located, while in semi-consolidated formations and consolidated formations 67 and 23 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.

Hydrogeologicaly, 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, 2014 % of wells**	**August, 2014 % of wells**	**November, 2014 % of wells**	**January, 2015 % of wells**
0 – 2	13.7	68.1	34.4	15.8
2 – 5	56.9	25.0	51.9	63.9
5 – 10	22.9	5.0	9.3	15.5
10 – 20	4.3	1.2	2.5	2.8
>20	2.2	0.7	1.9	2.0

Water level fluctuation of GWMWs during August'14, November'14 and January'15 with respect to Pre-monsoon (March'14) data show that there is a

- Rise in water level in August 2014 in 94.5% wells.
- Rise in water level in November 2014 in 87.7% wells.
- Rise in water level in January, 2015 in 76.3% wells

Comparison of water levels of GWMWs during March'14, August'14, November'14 and January' 15, with respect to the same month during the previous year show that there is a

- Rise in water level in March 2014 in 48.9% wells.
- Rise in water level in August 2014 in 72.7% wells.
- Rise in water level in November 2014 in 50.4% wells.
- Rise in water level in January 2015 in 55.7% wells.

Comparison of mean water level of the previous decade to the water level for the same period during 2014-15 show that-

- During August 2014, rise is recorded in 68.2% GWMWs, as compared to decadal mean (August 2004-August'13).
- During November 2014, rise is recorded in 51.5% GWMWs, as compared to decadal mean (November 2004-November'13).
- During January 2015, rise is recorded 46.1% GWMWs, as compared to decadal mean (January 2005-January'14).

Trend analysis of Post-monsoon water level data of last ten years i.e.2005-2014; falling trend record in 52.04% stations and rising trend in 47.96% stations.

During pre-monsoon period (March 2014), 13.70% stations show water logging condition, whereas 17.30% stations shows prone to water logging condition. During post monsoon period, 34.24% stations show water logging condition and 27.06% 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. In general, the quality of ground water, in the North Eastern States is good for both irrigation and drinking purposes. However, concentration of iron exceeds the permissible limit of drinking water standards in some pockets. The water samples are collected from open wells only. Higher concentrations of iron are also noticed in tube wells in different parts of North Eastern States.

As per 2011 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.

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1. INTRODUCTION

North Eastern Region is bounded between North Latitudes 21^{o} 57'& 29^{o} 28' and East Longitudes 89^{o} 40'& 97^{o} 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 behavior 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, 2015, there are 645 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 Jan.2015)		
		DW	PZ	Total
	ARUNACHAL PRADESH			
1	Changlang	4	0	4
2	East Siang	7	0	7
3	Lohit	1	0	1
4	Papumpare	9	0	9
5	Tirap	3	0	3
	Total	**24**	**0**	**24**
	ASSAM			
1	Baksha	2	0	2
2	Barpeta	10	4	14
3	Bongaigaon	11	0	11
4	Cachar	21	4	25
5	Darrang	25	3	28
6	Dhemaji	17	4	21
7	Dhubri	14	2	16
8	Dibrugarh	8	4	12
9	Goalpara	19	1	20
10	Golaghat	11	0	11
11	Hailakandi	4	1	5
12	Jorhat	21	0	21
13	Kamrup	42	2	44
14	Karbi Anglong	35	0	35
15	Karimganj	10	2	12
16	Kokrajhar	17	0	17

17	Lakhimpur	23	1	24
18	Morigaon	13	6	19
19	Nagaon	32	4	36
20	Nalbari	8	1	9
21	Sibsagar	13	0	13
22	Sonitpur	27	2	29
23	Tinsukia	13	0	13
	Total	**396**	**41**	**437**
	MANIPUR			
1	Bishnupur	1	1	2
2	Chandel	3	0	3
3	Churachandpur	1	2	3
4	Imphal East	2	0	2
5	Imphal West	4	1	5
6	Senapati	1	0	1
7	Tamenglong		1	1
8	Thoubal	2	6	8
	Total	**14**	**11**	**25**
	MEGHALAYA			
1	East Garo Hills	16	0	16
2	East Khasi Hills	9	0	9
3	Jaintia hills	2	0	2
4	Ri-Bhoi	2	0	2
5	South Garo Hills	5	0	5
6	West Garo Hills	21	4	25
7	West Khasi Hills	1	0	1
	Total	**56**	**4**	**60**
	NAGALAND			
1	Dimapur	17	5	22
2	Kohima	2	1	3
3	Mokokchung	0	1	1
4	Mon	1	1	2
5	Phek	0	1	1
6	Tuensang	0	1	1
7	Wokha	2	1	3
	Total	**22**	**11**	**33**
	TRIPURA			
1	Dhalai	6	0	6
2	North Tripura	14	0	14
3	South Tripura	18	0	18
4	West Tripura	19	9	28
	Total	**57**	**9**	**66**
	Grand Total	**569**	**76**	**645**

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 2014-2015. 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 24 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 86.04% of the total Network Wells are located in the Unconsolidated Formation, 10.39% of the Wells are located in the Semi-consolidated Formations and the remaining 3.57% are in the Consolidated Formations. The lithology-wise distribution of the Network Wells is given in Table 2.1.

Table 2.1Distribution of GWMW in different Hydrogeological Units:

Sl. No.	State	No. of GWMS			
		Unconsolidated Formations	Semi-consolidated Formations	Consolidated Formations	Total
1	Arunachal Pradesh	23	1	Nil	24
2	Assam	419	13	5	437
3	Manipur	12	13	Nil	25
4	Meghalaya	19	23	18	60
5	Nagaland	25	8	Nil	33
6	Tripura	57	9	Nil	66
	Total	555	67	23	645

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 77.35%(499) of the Network Wells are located in this Basin. In Meghna Basin, about 18.75%(121) of the Wells are located and the remaining 3.90% (25)Wells are located in the Imphal Basin. The Kaladan Basin forms the southernmost parts of Mizoram there is no Network Well located in this basin. The distribution of GWMW in different Basins and Sub-basins are shown in Table – 2.2.

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

S. No.	Basin/ Sub-basin	District / (No.of GWMS)	Total
BRAHMAPUTRA			
1.	Champamati	Dhubri (15) , Kokrajhar (14)	**29**
2.	Manas	Barpeta (14), Bongaigaon (11), Kokrajhar (3) Nalbari (6) Baksa (2)	**36**
3.	Mora Dhansiri	Darrang (28), Kamrup (20), Nalbari (3), Sonitpur (9)	**60**
4.	Kameng	Sonitpur (3)	**3**
5.	Badeng Pabnai	Lakhimpur (3), Sonitpur (17)	**20**
6.	Subansiri	Papumpare (9), Dhemaji (5), Lakhimpur (21)	**35**
7.	Siang	East Siang (7), Dhemaji (16)	**23**
8.	Lohit	Changlang (2), Lohit (1)	**3**
9.	Dibru	Dibrugarh (6), Tinsukia (9)	**15**
10.	Burhi Dihing	Changlang (2), Tirap (1), Dibrugarh (5), Tinsukia (4)	**12**
11.	Disang	Tirap (2), Dibrugarh (1), Golaghat (2), Jorhat (21), Sibsagar (13), Mon (2), Mokokchung (1), Nagaon (2)	**44**
12.	Dhansiri	Dimapur(21),Golaghat (9), Karbi Anglong (12), Kohima (3),Wokha (3), Phek(1), Tuensang (1)	**50**
13.	Kalang- Kopili	Kamrup (5), Karbi Anglong (23), Morigaon (19), Nagaon (34), East Khasi (6), Ri-Bhoi (1), Dimapur (1)	**89**
14.	Kulsi – Jinjinram	Dhubri(1), Goalpara (20), Kamrup (19), East Garo(10), Ri-Bhoi (1), West Garo (22), West Khasi (1)	**74**
IMPHAL			
1.	Imphal	Bishnupur (2), Chandel (2), Churachandpur (3), Imphal East (2), Imphal West (5), Senapati (1), Thoubal (8)	**23**
2.	Tuyungbi	Chandel (1),	**1**
MEGHNA			
1.	Soneswari –	East Garo (6), East Khasi (3), Jaintia (2), South Garo Hills (5), West Garo Hills (3)	**19**
2.	Barak	Cachar(25),Dhalai(6),Hailakandi(5),Karimganj(12), North Tripura (14), West Tripura (21) Tamenglong (1)	**84**
3.	Gumti	South Tripura (1), West Tripura (7)	**08**
4.	Fenny	South Tripura (17)	**17**
			Total = 645

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 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 average monthly / annual rainfall of three years (2011-2013) recorded in different stations of the region 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 (2011-2013)

State / District	Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
ARUNACHAL PRADESH													
CHANGLANG	2011	0	0	0	0	87.1	536.3	423.7	151.7	152.8	39.1	8.5	0
	2012	36.2	14.9	-	-	46.2	372	537.8	308.9	308.2	166.6	3.9	16
	2013	3.6	14.6	85.4	203.6	253.7	269.5	356	299.1	205.9	153.1	0	1.9
DIBANGVALLEY	2012	113	181	459	429	214	651	264	202	383	113	3.3	90
	2013	57	81	185	233	471	127	123	64	293	295	22	8.5
EAST KAMENG	2011	0	0	55.9	6.3	36.4	123.9	437.8	163.5	254.8	9.8	2	0
	2012	15.5	4	1	119.3	86.1	271.8	346.2	82.6	156.4	61.6	27	1.2
	2013	0	19.6	25.9	57.3	157.1	300.1	248.2	164.4	199.9	75.3	0	17
EAST SIANG	2011	65.2	32.1	291.7	158.8	295.9	415	763.3	379.6	348.6	19.9	2.7	70.4
	2012	69.2	39.3	120.7	300.9	460.2	1111.1	1628	479.6	1549.4	611.6	0	24
	2013	9.2	23.4	90	132.7	325.6	533.4	1093.9	454	442.8	246.9	0	4.5
LOHIT	2011	43.6	23.8	338.1	152.1	152.7	404.5	452.1	204.6	245.3	53.9	3.8	20.5
	2012	21.4	14.8	134	564.8	158	563.8	731.3	323.1	793.3	237.3	-	13.9
	2013	16.6	21.6	152.3	304.3	467.4	306.6	482.7	309.4	270.5	130.3	5.3	1.2

State / District	Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
LOWER SUBANSIRI	2011	2.8	8	79	32.8	125.2	171.4	204.1	157	85	17	45	7
	2012	26	10	53	123	78	181	129	109	219	43	17.6	0
	2013	0	-	109.6	61	78	26.2	34.2	102.6	-	-	-	15
PAPUMPARE	2011	9.5	27.4	139	182.9	375.6	460.6	1029.6	603.3	242.3	73.1	5.7	8.9
	2012	19.1	5.5	42.7	240.8	291.7	884.7	728.2	482.6	487.8	315.1	8	38.3
	2013	7.4	13.2	135.2	170.7	417.1	324.6	578	401.4	358.4	150.1	0.9	3.4
TAWANG	2011	0				243.4	226	338.3	182	181	39	62.1	2
	2012	21	23	114	377	154.6	256	291	296	369.7	27	23.5	8
	2013	1	40	174	353	356	161	396	270.4	183.3	124	50.5	17
TIRAP	2011	33.6	26	84.4	109.3	104.6	328.6	380	239.9	239.8	91.4	7.6	2.8
	2012	58.4	13.4	64.8	373	266.7	381.7	685.9	329.1	235.5	131.5	0	23.2
	2013	6.6	6.6	109	234.3	320.2	390.6	613.4	511	159.2	182.4	0	0.5
UPPER SIANG	2011	163.9	238.8	229	702.5	245.4	604.2	853.8	231.6	728.8	146.3	32.2	22.2
	2012	178.6	144.4	206.2	800.3	520.5	1096.9	917.5	450.2	794.1	288.4	73.3	111.8
	2013	66.2	76.8	195	324	697.7	438.6	536	191.2	800.8	175.8	50.2	14.9
UPPER SUBANSIRI	2011	21	10.6	158.4	152.6	131.4	280.2	354.8	265.8	125.4	22.8	13.2	24.6
	2012	22	0		190.2	87	204.6	169.2	297.2	219.8	88.4	5.4	26
	2013	7.7	26.6	52.4	141.6	302	225.2	246.8	79.3	70.6	67.8	20.8	32.1
WEST KAMENG	2011	9.9	28.2	51.9	44.7	249.3	294.5	616.5	365.7	313.7	42.9	10	3
	2012	29.2	3	11.6	138.6	87.1	348.3	299.7	404.8	440.5	130.9	0	13.6
	2013	0.3	56.7	52.6	106	268.8	334.8	216.6	410	329.6	114.1	0.2	34.6
WEST SIANG	2011	111.3	20.1	218.4	96.3	198.4	349.9	866.4	28.2				0
	2012	0	4	109	139	139	423	368	306	435.5	255	29	25
	2013	17	31	120	163.1	339.9	410.9	362.8	184.2	279.2	97.4	7	13.7
ASSAM													
BAKSHA	2012	0		13.9	268.3	205.5	955.9	536.6	146.1	400.5	187.8	15.2	19.2
	2013	1	8.9	48	127.8	244.6	299.3	240	187.7	242	78.5	0	10.3
BARPETA	2011	2.7	8.9	140.7	67.2	301.1	455.7	424.3	323.4	253	6.9	17.2	0
	2012	8.1	15.9	3	288.5	211.7	1107.9	496.7	223.3	446.3	177.8	0	0.7
	2013	0	12.8	18.3	134.2	356.2	293.9	494.6	248.3	498.5	121.8	5.8	0.5
BONGAIGAON	2011	1	10.4	119.4	47.6	219.2	258.2	412.6	370.6	241.1	66	35.6	0
	2012	3.8	22.8	0.7	373.7	269.5	1354.1	667.6	211.5	564.1	224.5	2.4	0
	2013	0	8.6	21.7	100.7	498.4	248.8	473.5	267.2	469.4	187	0	0

State / District	Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
CACHAR	2011	14.1	12.2	73.8	114.2	454.2	398.5	480.1	383.5	281	87.3	0	0.1
	2012	18.1	8.1	121.9	589.7	243.7	689.4	353.9	493.9	329.9	146.5	74.6	0
	2013	0	3	74	139.2	661	256.8	496.7	518	222.4	183.7	0	1.3
CHIRANG	2011	3.8	4	130.8	64.8	291.8	239.2	623.4	448.2	80.4	8.6	10	0
	2012	10.8	12	1.4	340.6	253.8	1396.8	819.2	182.3	586.7	148.6	0.7	1
	2013	0	13.7	15.4	159.4	322.1	330.3	464	182	506.1	158.5	0	0.1
DHEMAJI	2012	0		32	43	423	338	576	366	587	115	4	14
	2013	8		84	122	259	290	458	317	189	60	0	3
DHUBRI	2011	7.3	22.3	135.2	69.1	267	389.2	273.2	387.2	228.4	9	5.6	0.6
	2012	6	14.8	0.5	138.2	199.2	1040.3	360	282.5	467.1	222.9	0	0
	2013	0	8.7	6.4	114.5	266	358.7	183.2	280.8	175.6	112.2	7.4	0
DIBRUGARH	2011	14.5	12.8	168.9	145.5	126	297.2	463.4	280.6	267.6	64.9	2.3	20
	2012	15.6	5.4	40.7	322.1	261.5	421.3	474.3	286.7	404.5	130.9	6.6	13
	2013	8.3	3.1	114.2	215.5	413.1	331.9	457.2	413.3	220.8	171.8	0	3.7
GOALPARA	2011	14.6	0	80.7	41.7	252.4	407.2	395.6	231.8	149.9	25.6	31.5	0
	2012	6	12	2.7	130.7	145.1	797.9	370.9	109.9	317.8	144.5	0	0
	2013	0	11.8	22.2	242.9	531.2	467.1	208.5	234.4	197.1	94.6	2	0
GOLAGHAT	2011	14.1	3	63.2	61.9	308.3	231.6	490.1	201.9	135.2	29.7	4.1	2.1
	2012	17.8	10.1	10.6	213.7	148	273.4	216.8	254.3	244.4	60.6	0.1	1.5
	2013	0	10.3	76.7	62.6	237.8	137.1	262.7	327.9	124.6	143.3	0	6.7
HAILAKANDI	2011	8	3.5	24	46.1	262.8	147.3	313.6	239.7	136.5	46.6	0	0
	2012	12.8	8.8	33	336.2	129.5	315.1	187.2	329.4	292.6	190	31.4	0
	2013	0	3.5	4.9	80.2	605.9	82.6	427.2	467.3	152.2	168.1	0	1.6
JORHAT	2011	14.7	23.3	76.4	55.1	448.3	247.6	413.1	288.1	167.5	17.8	9.9	14.9
	2012	9.7	5.2	12.4	261.6	133.6	209.7	394.8	242.9	225.5	63.8	1.1	7.4
	2013	1.6	9.2	66.7	125.8	319.8	295.7	492.5	359.3	87.9	145.8	0	1.5
KAMRUP	2011	9.3	23.4	53.6	101.4	224.5	88.4	373.4	204	255.5	0.3	15.3	1.3
	2012	5.2	7.6	23.3	382.2	181.4	396.4	343.7	309.7	180.2	57.7	0.2	4.7
	2013	0	13.5	48.2	124	227.4	209.8	190.2	287.1	210.7	114.3	0	2.9
KAMRUP METRO	2011	14.6	14.6	142.3	23.5	112.1	169.1	130.7	217.5	145.4	10.7	0	0
	2012	13.3	0.9	2.9	177.2	164.4	642.7	286.9	166	90.4	77.1	0	0
	2013	0	9.2	15.9	80.7	279.7	223.9	185.3	116.1	116.6	148.9	0	0.5
KARBI ANGLONG	2011	7.6	12	43.4	41.3	55.1	260.3	207.3	144.5	49.2	23.3	0.2	0
	2012	3	0	0.1	107.9	64.2	246.4	131.4	159.5	167.8	142	8.2	0
	2013	0	4	42.3	68.2	244.9	226.3	255.4	129.9	202.2	78.6	0	0.5

State / District	Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
KARIMGANJ	2011	9.9	0	35.3	28.5	174.9	345.4	498.5	508.4	195.4	94.2	0	0
	2012	6.5	1	35	257.9	230.6	788.9	428.9	494.6	295	242	31.7	0
	2013	0	5.2	28.6	86.5	489.9	325.5	452.3	504.1	289.2	156.2	0	0
KOKRAJHAR	2011	3	9	188	136.3	357.7	411.9	812	472.6	257.8	19	7.8	0
	2012	3.1	19.5	4.4	238.4	231.9	1507.2	670.3	261.3	632.1	237.4	0	0
	2013	0	18.9	9.4	169.1	442.7	388	663	408.4	571.3	207.9	0	0
LAKHIMPUR	2011	6.6	10.5	188.1	132.7	299.5	439.2	940.6	403.9	389.5	15.3	4.6	6.3
	2012	11.4	3.2	29.9	243.2	295.7	575.2	536.6	369	454.8	190.5	11	14.5
	2013	5.6	8.2	76.6	92.4	329.7	402.4	614.7	492.8	223.9	111.2	2.1	6
MORIGAON	2011	10.2	9.6	30.8	42.2	208.1	207.2	369.9	221	89.6	56.8	6.6	0
	2012	23.9	0	14.8	182.3	106.6	266.8	274	241.2	251.6	56.4	0	0
	2013	0	8.2	24.8	58	224.2	277	394.4	307	173.2	97	0	1.6
NALBARI	2011	11.3	16.1	136	79.4	246.8	203.6	313.1	276.9	212.6	8.8	4.7	0
	2012	1.6	9.8	12	268.9	199.3	987	236	156.9	265.5	85.9	0.3	1.3
	2013	0	11.1	27.3	124.5	290.5	251.5	257.4	227.5	190.2	142	2	1.8
NC HILLS	2011	0	8.2	54.6	62.9	215.1	75	253.4	197.6	88.6	21.1	0	0
	2012	3.1	0	30.5	76.9	42.6	1428.5	790.5	77.9	264.7	250.9	47.3	0
	2013	0	12.4	80.6	104.5	473.5	134.6	277	219.4	197.9	91.8	0	0
NAGAON	2011	9.8	3.4	31.6	25.7	200.2	243.2	240	221.9	115.3	35.3	0.7	0.4
	2012	9.5	0	12.4	107.5	80.6	184.6	264.5	199.5	213.2	168.5	5.2	0
SIBSAGAR	2011	0	0	0		129	186.7	500.3	201	406.8	52.5	6.7	2
	2012	22.7	4.1	37.8	347.6	176.3	208.2	324.3	285.3	205.4	45.3	0.1	4.4
	2013	1.5	7.7	91.9	110.7	326.8	175.7	416.8	390.8	112.6	103.9	0	7.1
SONITPUR	2011	7.3	7.2	118.8	82	255.9	246	398	320.1	171.4	15.9	79.9	0.2
	2012	6.3	3.3	28.6	254.5	216	571.9	298.2	253.6	253.9	163.5	5.8	1.5
TINSUKIA	2011	34.1	14.3	160.5	148	214.9	273.9	329.6	224.8	330.2	35.5	3.9	9.3
	2012	23.1	6.8	29.9	304.7	216.5	417.3	488	329.7	636.5	187.1	6.2	17.8
	2013	8.9	4.5	141.5	246	335	289	424	298.4	199.3	176.6	0.4	2.2
UDALGURI	2011	35.4	8	23.7	79.4	172.6	245	172.2	206.7	214.3	22.2	6.4	0
	2012	0	1.2	29.2	247.6	215.4	856.4	269.3	387.4	518	195.4	9.8	3.2
	2013	0	18	36.4	97.7	355.7	353.3	473.2	245.4	282.3	65.4	0	1.9
MANIPUR													
IMPHAL EAST	2011	25.1	2.3	45.5	35.6	299.2	332.5	287.1	302.9	126.4	27.4	0	0

State / District	Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
	2012	19.6	0	56.8	158.7	93.2	311.9	270.8	246.3	272.3	137.4	80.8	0
	2013	0	1	29	103.7	376.2	137.9	275.9	313.8	250.1	75.9	0	1.3
THOUBAL	2013	0	3	26	112	298	119	268	229	112	71	0	3
UKHRUL	2013	0	2	30	47	230	163	59	0	189	128	0	0
MEGHALAYA													
EAST GARO HILLS	2011	0	29.1	191.4	69	460	533.4	424.6	550.1	329	30	0	0
	2012	4	0	0	70	85	929	853	149.5	423	176	6	0
EAST KHASI HILS	2011	6.3	33.5	882.6	179.7	492.8	1443.8	1056	1379.9	620.3	57.2	6	2.7
	2012	16.4	0	63.5	505.3	286.8	1367.6	2089.5	874.3	957.8	355.9	16.2	0.3
	2013	0.3	19	16.4	275.1	864.2	1180.1	1223.8	894.4	513.6	308.5	0	0.1
JAINTIA HILLS	2012	15	0	6	84	87.5	885.9	978.3	362	617.1	352.2	15.5	0
	2013	0	1	18.5	92.7	551	487	434	380.4	234.2	197	0	0
RI-BHOI	2011	1.2	17	57	110	320.1	512	276.7	292.2	343.3	105.2	102.9	17
	2012	26.2	0	1.9	122.1	153.7	283.1	256.2	401	274.2	225.4	28	0
	2013	0	14.2	47.2	137.3	336.9	305	212.9	394.9	166.6	105.9	0	0
SOUTH GARO HILLS	2012	0	0	0	7	16	580	592	560	217	222	6	2
	2013	0	6	2	73	267	30	36	34	338	124	0	7
WEST GARO HILLS	2011	0.2	0	40.4	36	169.6	319.9	324.2	391.2	15.2	17	24.5	0
	2012	2.8	13.6	0.5	39.9	87.6	572.9	340.3	264.5	326.6	154.5	0.2	0
	2013	0	1.8	10.2	127	396	385.6	153.1	211	265.4	61.4	10	0
WEST KHASI HILLS	2013	0	20	26	59	321	102	90	110	46	0	0	0
MIZORAM													
AIZWAL	2011	12	2.2	68.4	95.8	456.1	331.7	270.3	379.1	330	107.5	0	0
	2012	18.7	8.6	34.3	307.4	221.8	531.2	219.8	420.5	330.4	161.1	92	0
	2013	0	4	5.2	80.2	544.4	309.3	357.9	461.9	315.9	122.6	0	0
LAWNGTLAI	2012	0	0	93	171	119	723	333	464	420	186	13	0
	2013	0	5	0	111	396	340	341	306	417	57	1	0
LUNGLEI	2012	0	0	42	249	227	642	337	215	302	291.1	39	0
	2013	0	3	6	48	248	90	233	395	453	193	0	0
MAMIT	2012	38	0	13	264	22	457	150	364	201	131	17	0
	2013	0	5	3	13	343	172	228	41	399	83	0	0

State / District	Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
SAIHA	2013	0	6	0	49.6	457	401.4	376	628	836	419.5	10.6	0
SERCHHIP	2012	0	0	68	184	148.5	378	373	26	4	115	30	0
	2013	0	2	2	51	405	177	143	220	79	85	0	0
NAGALAND													
DIMAPUR	2011	0	0	-	0	149	201	122	118	120	22	0	0
	2012	13.5	6	16	73	12.5	216.7	156	192	57.2	109.3	19.1	0
	2013	0	0	64.7	131.2	237.6	195	277.5	295.5	149	137.6	0	0
KEPHIRE	2012	0	1	10	67	49.5	123.4	188	227.2	30	61.3	19	0
	2013	0	3	15.3	30.4	11	88.9	223	108.4	100.1	54.2	0	1
KOHIMA	2011	8.9	5.2	43	34.3	211.6	164.2	199.6	153.5	215.1	27.4	0	0
	2012	22.6	6.8	29.1	48.6	101.4	242	242.7	173.3	141.1	93.3	30.6	0
	2013	0	17.2	54.7	81	283.3	247.6	391	265.5	178.3	99.5	0	1.9
MOKOKCHUNG	2012	0	0	42	219	98	269	498	386	246	62	8	0
	2013	1	21	86	178	431	163	76	79	229	96	0	5
PHEK		13	0	50.2	57.6	254	420.3	255.2	221.4	100.7	59.4	0	-
		8.2	0	13	113	78.9	396	360	336.4	201.5	80.9	21.7	0
		0	1.7	33.5	91.2	160.6	94.9	269.2	283.5	181.5	190.6	0	0
TRIPURA													
DHALAI	2011	1.3	7.9	14.6	34.2	328.3	364.4	150.8	149.5	188.6	9.5	0	0
	2012	3.7	5.2	13	91.8	132.3	442.7	160.2	247.6	156.3	219.2	30.5	0.3
	2013	0	4.3	11	114	686.7	150.2	208	414.8	171.4	107.5	0	1
NORTH TRIPURA	2011	13.6	12.4	70.1	100.1	562.7	422.9	500.6	317.7	229.9	37.2	0	0
	2012	12.4	8.8	22.9	370.2	288.4	656.8	177.2	331.3	222.3	201.1	48.5	0.2
	2013	0	4.4	3	107.2	846.8	328.3	337.6	440.7	197.6	157.3	0	12.6
SOUTH TRIPURA	2011	0.9	3.4	40	48.7	328.2	399.4	268.8	392.5	249.4	70.4	0	0
	2012	11.4	11.1	13.2	191.8	125.7	500.6	364.5	290.1	218.5	111.5	54.8	0.5
	2013	0	3.3	10.8	28.7	703.1	274.8	229.7	326.7	325.2	146.7	0	0.6
WEST TRIPURA	2011	1.2	1.7	55.5	50.3	409.9	407.8	228.1	341.9	169.7	63.7	0.3	0.1
	2012	17.7	1.7	11.4	221.5	148.5	478.4	256.7	296.4	145.4	133.8	50.4	0.6
	2013	1	7.6	7.8	85.2	594.2	244.5	178.8	233.1	284.6	176.8	0	3.6

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, Mottled clay, Grit and Conglomerate.
	~~ Unconformity ~~~~~~~~~~~~~~~~~~~~~~~~	
Miocene	Tipam	Mottled clay, Sandy shale, Grity sandstone, Ferruginous sandstone, Clay, Shale and Conglomerate.
	Surma	Shale, Sandy shale, Siltstone, Mudstone, Conglomerates etc.
	~~ Unconformity ~~~~~~~~~~~~~~~~~~~~~~~~	
Oligocene	Barail	Massive sandstone, Shale, Sandy shale etc.
Eocene	Disang / Jaintia	Shale, Sandstone, Marl, Limestone etc.
Upper Cretaceous	Khasi Group	Conglomerate, Arkose, Sandstone – Conglomerate alterations.
	~~ Unconformity ~~~~~~~~~~~~~~~~~~~~~~~~	
Jurassic (?)	Sylhet Trap	Basalt, Rhyolite, acid Tuff as flows and Lenses.
	~~ Unconformity ~~~~~~~~~~~~~~~~~~~~~~~~	
Pre-Cambrian	Shillong Group	Quartzite, Phyllite, Conglomerate, Dolerite, Basalt, Porphyritic and coarse Granite, Pegmatite.
	~~ Unconformity ~~~~~~~~~~~~~~~~~~~~~~~~	
Archaean	Gneissic Complex	Biotite-gneiss, Biotite-hornblende-Gneiss, Granite, Illemenite-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: TheGeosynclinalsdeposition on the northern part forming Himalayan mountain system and the east and south-eastern parts forming Naga Patkai and Lushai Hill ranges due to orogenic movement are termed as mobile belts.

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

5. HYDROGEOLOGY

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

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

(a) Porous Formations
    1. Unconsolidated Formations
    2. Semi-consolidated Formations
(b) Fissured Formations
    1. Consolidated Formations

5.1 Porous Formations

5.1.1 Unconsolidated Formations:

Unconsolidated Formations (Alluvium) occupy about 77,068 sq.km areas which are about 30% of the total area of the region and it covers mostly the plains of Brahmaputra valley and Barak valley of Assam. This Alluvial Formation comprises of Clay, Silt, Sands of various grain size and Gravel, etc. The foot-hill zone of Arunachal Pradesh comprises Boulder, Pebble, Cobble, Gravel, Sand, Silt, Clay etc. known as 'Bhaber 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 Brahmaputra River. The foot-hill areas in northern and southern part form the recharge zone of ground water for the plain areas 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 districts of Assam and southern part of West Garo Hills district of Meghalaya, ground water occurs under confined conditions giving rise to auto flow wells.

A total of 555Ground Water Monitoring Stations are located in Unconsolidated Formations. During the water year 2014-2015, the range of pre- and post-monsoon water levels varied from 0.07 magl to 54.44 mbgl and 0.28 magl to 64.07 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 area 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, 67 GWM Stations are located. The pre- and post-monsoon water levels ranged from 1.31 to 21.95 mbgl and 0.40 to 28.56 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 23 GWMS are located in consolidated formations. The range of water levels during pre- & post-monsoon varied from 1.11 to 16.64 mbgl and 0.41 to 16.09 mbgl respectively.

6. BEHAVIOUR OF WATER LEVEL DURING THE YEAR 2014-15

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 2014– 2015are 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, 2014 (Fig. 5 and Annexure III)

Arunachal Pradesh

A significant part of Arunachal Pradesh is hilly and hence most of the monitoring stations are located along the southern boundary.

Monitoring of GWMS during the month of March 2014 indicates that 13.04% (3) of the monitored stations had water level within 0-2 mbgl, 60.87% (14) GWMS had water levels between 2-5 mbgl 8.7% (2) GWMS had water level between 5-10 mbgl and 17.39% (4) GWMS had water level between 10 and 20 mbgl. A minimum and maximum water level of 0.07 magl and 11.69 mbgl respectively were recorded at Papumpare district GWMS.

Assam

During the month of March 2014, 16.45% (50) of the monitored stations exibited water levels within 0-2 mbgl, 60.2% (183) GWMS between 2-5 mbgl, 21.05% (64) GWMS between 5-10 mbgl and 2.3% (7) GWMS between 10 and 20 mbgl. The minimum and maximum water level 0.18 magl and 16.64 mbgl were recorded at Sonitpur and Dhubri district GWMS respectively.

Meghalaya

The Depth to water level measured during March 2014, indicates that the majority of the GWMS has water levels between 2-5 mbgl. Of the total monitored stations 12.9% (4) had water level within 0-2 mbgl, 61.29% (19) had water level between 2 - 5 mbgl and 25.81% (8) GWMS had water level between 5-10 mbgl. The minimum and maximum water level 1.11 mbgl and 7.78 mbgl were recorded at East Khasi Hills and West Garo Hills district GWMS respectively.

Nagaland

Depth to water level measured during March 2014, showed that 25.81% (8) of the monitored stations had water level within 2-5 mbgl, 35.49% (11) GWMS had water levelsbetween 5-10 mbgl, 19.35% (6) GWMS had water level between 10-20 mbgl and 19.35% (6) of GWMS had water level >20 mbgl. The minimum and maximum water level of 2.86 mbgl and 28.08 mbgl were recorded at Kohima and Wokha district GWMS respectively.

Tripura

During the month of March 2014, 7.15% (4) of the monitored stations had water level within 0-2 mbgl, 51.77% (29) GWMS had water level between 2 - 5 mbgl, 30.36% (17) GWMS had water level between 5-10 mbgl and 3.57% (2) GWMS had water level between 10-20 mbgl and 7.15% (4) of GWMS had water level >20 mbgl. The minimum and maximum water levels of 0.81 mbgl and 27.75 mbgl were recorded at South Tripura and West Tripura district GWMS respectively.

6.1.2 Depth to Water levelduring August, 2014 (Fig. 6 and Annexure IV)

Arunachal Pradesh

Water level monitored during the month of August 2014 showed that 81% (17) of the monitored stations had water level within 0-2 mbgl, 9.53% (2) GWMS had water level between 2-5 mbgl, 4.76% (1) GWMS had water level between 5-10 mbgl and 4.76% (1) GWMS had water level between 10-20 mbgl. Minimum and maximum water levels of 0.7 magl and 10.1 mbgl recorded at Papumpare district GWMS.

Assam

During the month of August 2014, 72% (237) of the monitored stations had water level within 0-2 mbgl, 23.7% (78) GWMS had water level between 2-5 mbgl, 3.34% (11) GWMS had water level between 5-10 mbgl and 0.91% (3) GWMS had water level between 10-20 mbgl. Minimum and maximum water levels 0.01 magl and 18.9 mbgl are recorded at Karimganj and Dhubri District GWMS respectively.

Meghalaya

During the month of August 2014, 69.2% (9) of the monitored stations had water level within 0-2 mbgl, 23.1% (3) GWMS had water level between 2-5 mbgl and 7.69% (1) had water level of 5-10 mbgl. Minimum and maximum water levels 0.38 mbgl and 6.26 mbgl are recorded at West Khasi Hills and East Khasi Hills District GWMS respectively.

Tripura

During the month of August 2014, it was observed that 41.7% (25) of the monitored stations had water level within 0-2 mbgl, 38.3% (23) had water level between 2-5 mbgl, 13.3% (8) had water level between 5-10 mbgl, 1.67% (1) had water level between 10-20 mbgl and 5% (3) had water level of more than 20 mbgl. The minimum and maximum water levels 0.13 mbgl and 28.6 mbgl are recorded at Dhalai and West Tripura District GWMS respectively.

6.1.3 Depth to Water Levelduring November, 2014 (Fig. 7 and Annexure V)

Arunachal Pradesh

In Arunachal Pradesh the depth to water level measured from 21 GWMS during the month of November 2014, it was observed that 28.6% (6) of the monitored stations had water level within 0-2 mbgl, 42.9% (9) of the GWMS had water levels between 2-5 mbgl, 23.8% (5) of the GWMS had water level between 5-10 mbgl and 4.76% (1) of GWMS had water level between 10-20 mbgl has been recorded at only one station in Papumpare district. The minimum and maximum water levels are 0.28 magl and 10.9 mbgl are recorded at Papumpare district GWMS.

Assam

The depth to water level measured in 333 GWMS during November 2014 indicates that 39.9% (133) of the monitored stations had water level within 0-2 mbgl, 53.2% (177) of GWMS had water levels between 2 and 5 mbgl, 5.41% (18) of GWMS had water level between 5-10 mbgl and 1.5% (5) of GWMS had water level between 10 and 20 mbgl. The minimum and maximum water levels are 0.05 magl and 16.1 mbgl are recorded at Karimganj and Dhubri district GWMS respectively.

Meghalaya

Depth to water level measured during November 2014 the maximum GWMS showing water level between 2-5 mbgl, wells showed that 33.3% (10) of the monitored stations had water level within 0-2 mbgl, 53.3% (16) of GWMS had water levels between 2 and 5 mbgl and 13.3 (4) showed water level of 5-10 mbgl. The minimum and maximum water levels are 0.4 mbgl and 7.63 mbgl were recorded at Jaintia Hills and West Garo Hills district GWMS respectively.

Nagaland

The depth to water level measured during November 2014 showed that the maximum number of GWMS has water level between 2-5 mbgl, of all the monitored stations 6.25% (2) of the stations had water level within 0-2 mbgl, 40.6% (13) had water levels between 2 and 5 mbgl, 18.8% (6) had water level between 5-10 mbgl. 15.6% (5) of monitoring stations had water level between 10-20 mbgl and 18.8% (6) of the monitored stations had >20 mbgl. The minimum and maximum water levels are 0.85 mbgl and 64.1 mbgl are recorded at Dimapur and Phek district GWMS respectively.

Tripura

The depth to water level measured during November 2014 showed that 20.7% (12) of the monitored stations had water level within 0-2 mbgl, 53.5% (31) had water levels between 2 and 5 mbgl, 19% (11) had water level between 5-10 mbgl, 1.72% (1) had water level between 10 and 20 mbgl and 5.17% (3) had more than 20 mbgl. The minimum and maximum water levels are 0.71 mbgl and 28.6 mbgl are recorded at South Tripura and West Tripura district GWMS respectively.

6.1.4 Depth to water level during January, 2015 (Fig. 8 and Annexure VI)

Arunachal Pradesh

The depth to water level measured during January 2015 showed that 17% (4) of the monitored stations had water level within 0-2 mbgl, 47.8% (11) had water levels between 2 and 5 mbgl, 22% (5) had water level between 5-10 mbgl and 13.04% (3) had water level between 10 and 20 mbgl. The minimum and maximum water levels are 0.06 magl and 12.77 mbgl are recorded at Papumpare and East Siang district GWMS respectively.

Assam

The depth to water level measured during January 2015 showed that 16% (56) of the monitored stations had water level within 0-2 mbgl, 69.5% (241) had water levels between 2 and 5 mbgl, 13% (45) had water level between 5-10 mbgl and 1.44% (5) had water level between 10 and 20 mbgl. The minimum and maximum water levels are 0.2 magl and 19.21 mbgl are recorded at Karimganj and Karbi Anglong district GWMS respectively.

Meghalaya

The depth to water level measured during January 2015 showed that 24% (10) of the monitored stations had water level within 0-2 mbgl, 63.4% (26) had water levels between 2 and 5 mbgl and 12% (5) showing water level between 5-10 mbgl. The minimum and

maximum water levels are 0.54 mbgl and 8.57 mbgl are recorded at East Khasi Hills and East Khasi Hills district GWMS respectively.

Nagaland

The depth to water level measured during January 2015 showed that 3.1% (1) of the monitored stations had water level within 0-2 mbgl, 34.4% (11) had water levels between 2 and 5 mbgl, 25% (8) had water level between 5-10 mbgl and 15.63% (5) had water level between 10 and 20 mbgl and 21.87% (7) had water level >20mbgl. The minimum and maximum water levels are 1.72 mbgl and 53.56 mbgl are recorded at Mokokchung and Phek district GWMS respectively.

Tripura

The depth to water level measured during January 2015 showed that 14% (8) of the monitored stations had water level within 0-2 mbgl, 54.2% (32) had water levels between 2 and 5 mbgl, 25% (15) had water level between 5-10 mbgl and 1.7% (1) had water level between 10 and 20 mbgl and 5.08% (3) had water level >20 mbgl. The minimum and maximum water levels are 0.76 mbgl and 29.26 mbgl are recorded South Tripura and West Tripura district GWMS respectively.

6.2 Water Level Fluctuation with respect to August 2014

6.2.1 Water Level Fluctuation (August 2014 and March 2014) (Fig. 9 and Annexure VII)

Arunachal Pradesh

All the stations showed rise in water level during August 2014 as compared to that of March 2014. Of the total stations 30% (6) of the GWMS showed rise in water level within 0-2 m, 50% (10) GWMS showed rise ion water level between 2-4 m and 20% (4) GWMS showed rise of more than 4 m.

Assam

Water level during the month of August 2014 in comparion to March 2014 indicates that 94.28% of the GWMS showed rise in water lever. Of all the stations showing rise 45.43% (119) showed rise in water level within 0-2 m, 34.73% (91) showed rise in water level between 2-4 m and 14.12% (37) showed rise of more than 4 m. About 4.2% (11) of the GWMS showed fall in water level between 0-2 m, 0.76% (2) show rise between 2-4 m and 0.76% (2) show rise of more than 4 m.

Meghalaya

Comparing the water level of August 2014 with March 2014 it shows that during august majority of the GWMS showed rising trend. In these 44.45% (4) GWMS showed rise

in water level within 0-2 m, 11.11% (1) GWMS showed rise in water level between 2-4 m, 33.33% (3) showed rise of more than 4 m and 11.11% (1) showed fall between 0-2 m.

Tripura

During the month of August 2014 water level in comparison with March 2014 shows that 55.56% (30) GWMS showed rise in water level within 0-2 m, 31.48% (17) GWMS showed rise in water level between 2-4 m, 7.41% (4) GWMS showed rise of more than 4 m. About 3.7% (2) show fall between 0-2 m and 1.85% (1) show fall between 2-4 m.

6.3 Water Level Fluctuation with respect to November 2014

6.3.1Water Level Fluctuation (November 2014 and March 2014) (Fig. 10 and Annexure VIII)

Arunachal Pradesh

By comparing the water level of November 2014 with March 2014 water level it is found that 85.71% of the GWMS showed rising trend during November 2014. In these 57.13% (12) of the GWMS showed rise in water level within 0-2 m, 14.29% (3) of the GWMS showed rise in water level between 2-4 m and 14.29% (3) GWMS showed rise of more than 4 m. Only 14.29% (3) of the GWMS showed fall within 0-2 m.

Assam

By comparing the water level of November 2014 with March 2014 water level it is found that 67.39% (186) of the GWMS showed rise in water level within 0-2 m, 17.75% (49) of the GWMS showed rise in water level between 2-4 m and 3.63% (10) GWMS showed rise in water level of more than 4 m. About 9.42% (26) GWMS showed fall in water level between 0-2 m, 1.45% (4) GWMS Shows 2-4 m falling water level fluctuation, 0.36% (1) GWMS showed fall in water level of more than 4.

Meghalaya

By comparing the water level of November 2014 with March 2014 water level it is found that 90.48% (19) of the GWMS showed rising trend with water level 0-2 m and 9.52% (2) of the GWMS showed rise in water level of more than 4 m.

Nagaland

During November 2014 as compared to March 2014 the water level of 35.48% (11) of the GWMS had rise within 0-2 m, 16.13% (5) of the GWMS had rise between 2-4 m, 19.34% (6) of the GWMS had rise of more than 4 m. On the contrary to that 12.9% (4) of GWMS showed showed fall in water level between 0-2 m, 6.45% (2) GWMS show fall in water level and 9.7% (3) show fall of more than 4 m.

Tripura

By comparing the water level of November 2014 with March 2014 water level it is found the water level of 64.82% (35) of the GWMS showed rise in water level within 0-2 m, 20.37% (11) GWMS showed rise in water level between 2-4 m, 1.85% (1) showed rise in water level of more than 4 m and 11.11% (6) GWMS showed 0-2 m falling water level fluctuations, 1.85% (1) show fall of >4m.

6.3.2 Water Level Fluctuation (November 2014 and August 2014) (Fig. 11and Annexure IX)

Arunachal Pradesh

Comparison of November 2014 water level with August 2014 water level indicates that 5% (1) GWMS showed rise in water level within 0-2 m. 60% (12) showed fall having water level within 0-2 m, 25% (5) of GWMS showed fall in water level between 2-4 m and 10% (2) GWMS showed fall of more than 4 m.

Assam

Comparison of November 2014 water level with August 2014 water level indicates that 16.96% (49) of the GWMS showed rise in water level within 0-2 m, 1.40% (3) showed rise in water level between 2-4 m, 0.69% (2) showed rise of > 4m and 64.01% (185) of the GWMS showed fall in water level within 0-2 m, 14.88% (43) showed 2-4 m fall in water level and 2.42% (7) showed more than 4 m fall in water level.

Meghalaya

Comparison of November 2014 water level with August 2014 shows that 2014 16.67% (2) of the GWMS showed rise in water level within 0-2 m, 8.33% (1) showed rise in water level between 2-4 m and 66.67% (8) of the GWMS showed fall in water level within 0-2 mbgl, 8.33% (1) showed fall in water level in between 2-4 m.

Tripura

Comparison of November 2014 water level with August 2014 shows that it is observed that the water level of 22.81% (13) of the GWMS showed rise within 0-2 m whereas 73.68% (42) of the GWMS showed 0-2 m fall in water level and 3.51% (2) of the GWMS showed 2-4 m fall in water level.

6.4 Water Level Fluctuation with respect to January 2015

6.4.1 Water Level Fluctuation (January 2015 and March 2014) (Fig. 12 and Annexure X)

Arunachal Pradesh

By comparing the water level of January 2015 with March 2014 it was observed that of all the monitored stations 38.1% (8) of the GWMS showed fall within 0-2 m, 4.76% (1) showed fall between 2-4 m. About 52.38% (11) showed rise in water level between 0-2 m, 4.76% (1) showed rise in water level between 2-4 m.

Assam

By comparing the water level of January 2015 with March 2014 it was observed that stations in the state 19.47% (51) of the GWMS showed fall in water level between 0-2 m, 3.82% (10) showed fall between 2-4 m, 1.15% (3) showed fall of more than 4 m and 66.03% (173) of the GWMS showed rise in water level between 0-2 m, 7.63% (20) showed rise in water level between 2-4 m, 1.9% (5) showed rise of more than 4 m.

Meghalaya

By comparing the water level of January 2015 with March 2014 it was observed that stations in the state 7.69% (2) of the GWMS showed fall between 0-2 m and 3.85% (1) showed fall between 2-4 m. On the other hand 76.92% (20) of the GWMS showed rise between 0-2 m, 3.85% (1) showed rise in water level between 2-4 m and 7.69% (2) showed rise of more than 4 m.

Nagaland

By comparing the water level of January 2015 with March 2014 it was observed that of all the monitored stations stations in the state 11.9% (5) of the GWMS showed fall in water level between 0-2 m, 7.15% (3) showed fall between 2-4 m and 2.38% (1) showed fall of more than 4 m. About 59.52% (25) of the GWMS showed rise in water level between 0-2 m, 11.9% (5) showed rise between 2-4 m and 7.15% (3) showed rise of more than 4 m.

Tripura

By comparing the water level of January 2015 with March 2014 it was observed that of all the monitored stations stations in the state 18% (9) of the GWMS showed fall in water level between 0-2 m and 2% (1) showed fall of more than 4 m. About 70% (35) of the GWMS showed rise in water level between 0-2 m and 10% (5) showed rise in between 2-4 m.

6.4.2 Water Level Fluctuation (January 2015 and August 2014) (Fig. 13 and Annexure XI)

Arunachal Pradesh

By comparing the water level of January 2015 with August 2014 it was observed that of all the monitored stations stations in the state 25% (5) of the GWMS show fall in water level between 0-2 m, 45% (9) of the GWMS show fall between 2-4 m and 30% (6) of the GWMS show fall of more than 4 m.

Assam

By comparing the water level of January 2015 with August 2014 it was observed that of all the monitored stations stations in the state 51.84% (155) of the GWMS showed fall in water level between 0-2 m, 33.44% (100) showed fall between 2-4 m and 5.69% (17) showed fall of more than 4 m. About 7.36% (22) of the GWMS showed rise in water level between 0-2 m, 1% (3) showed rise between 2-4 m and 0.67% (2) show rise of more than 4m.

Meghalaya

By comparing the water level of January 2015 with August 2014 it was observed that of all the monitored stations stations in the state 53.85% (7) of the GWMS showed fall in water level between 0-2 m, 7.69% (1) showed fall between 2-4 m and 7.69% (1) showed fall of more than 4 m. About 23.08% (3) of the GWMS show rise in water level between 0-2 m and 7.69% (1) show rise between 2-4 m.

Tripura

By comparing the water level of January 2015 with August 2014 it was observed that of all the monitored stations stations in the state 75% (39) of the GWMS showed fall in water level between 0-2 m, 13.46% (7) showed fall between 2-4 m and 1.92% (1) of the GWMS showed fall of more than 4 m. About 9.62% (5) of the GWMS showed rise in water level between 0-2 m.

6.4.3 Water Level Fluctuation (January 2015 and November 2014) (Fig. 14 and Annexure XII)

Arunachal Pradesh

By comparing the water level of January 2015 with November 2014 it was observed that of all the monitored stations in the state 85% (17) of the GWMS showed fall in water level between 0-2 m, 10% (2) showed fall between 2-4 m and 5% (1) showed fall of more than 4 m.

Assam

By comparing the water level of January 2015 with November 2014 it was observed that of all the monitored stations stations in the state 75.24% (240) of the GWMS showed fall in water level between 0-2 m, 7.52% (24) showed fall between 2-4 m, 1.88% (6) showed fall of more than 4 m. About 13.79% (44) of the GWMS showed rise between 0-2 m, 0.94% (3) showed rise between 2-4 m and 0.63% (2) of the GWMS showed rise of more than 4 m.

Meghalaya

By comparing the water level of January 2015 with November 2014 it was observed that of all the monitored stations stations in the state 80% (24) of the GWMS showed fall in water level between 0-2 m, 3.33% (1) showed fall between 2-4 m and 16.67% (5) of the GWMS showed rise in water level between 0-2 m.

Nagaland

Comparing the water level of January 2015 with November 2014 it was observed that of all the monitored stations in the state 50% (16) of the GWMS showed fall in water level 0-2 m, 6.25% (2) showed fall between 2-4 m, 12.5% (4) showed fall of more than 4 m. About 18.75% (6) GWMS showed rise in water level between 0-2 m, 3.13% (1) showed rise in water level between 2-4 m and 9.37% (3) showed rise in water level of more than 4m.

Tripura

By comparing the water level of January 2015 with November 2014 it was observed that of all the monitored stations in the state 75.47% (0) of the GWMS showed fall in water level between 0-2 m, 7.55% (4) showed fall between 2-4 m and 16.98% (9) showed rise in water level between 0-2 m.

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

6.5.1 March 2014 and March 2013 (Fig. 15 and Annexure XIII)

Arunachal Pradesh

By comparing the water level of March 2014 with March 2013 it was observed that of all the monitored stations in the state 40.91% (9) of the GWMS showed fall between 0-2 m. About 50% (11) of the GWMS showed rise in water level between 0-2 m and 9.9% (2) showed rise in water level between 2-4 m.

Assam

By comparing the water level of March 2014 with March 2013 it was observed that of all the monitored stations in the state 45.97% (114) of the GWMS showed fall in water level between 0-2 m bgl, 3.22% (8) showed fall between 2-4 m and 2.02% (5) showed fall of more

than 4 m. About 41.53% (103) of the GWMS showed rise in water level between 0-2 m, 5.65% (4) showed rise in between 2-4 m and 1.61% (4) showed rise of more than 4 m.

Meghalaya

By comparing the water level of March 2014 with March 2013 it was observed that of all the monitored stations in the state 52% (13) of the GWMS showed fall in water level between 0-2 m and 8% (2) showed fall between 2-4 m. About 32% (8) of the GWMS showed rise in water level between 0-2 m and 8% (2) showed rise in between 2-4 m.

Nagaland

By comparing the water level of March 2014 with March 2013 it was observed that of all the monitored stations in the state 52.39% (11) of the GWMS showed fall in water level between 0-2 m, 9.52% (2) showed fall between 2-4 m and 9.52% (2) showed fall in water level of more than 4m. About 28.57% (6) of the GWMS showed rise in water level between 0-2 m.

Tripura

By comparing the water level of March 2014 with March 2013 it was observed that of all the monitored stations in the state 36.67% (11) of the GWMS showed fall in water level between 0-2 m, 60% (18) showed rise in water level between 0-2 m and 3.33% (1) showed rise in water level between 2-4 m.

6.5.2 August 2014 and August 2013(Fig. 16 and Annexure XIV)

Arunachal Pradesh

By comparing the water level of August 2014 with August 2013 it was observed that of all the monitored stations in the state 66.67% (14) of the GWMS showed rise in water level between 0-2 m, 28.57% (6) showed rise in between 2-4 m and only 4.76% (1) of the GWMS showed fall in water level between 0-2 m.

Assam

By comparing the water level of March 2014 with March 2013 it was observed that of all the monitored stations in the state 67.68% (178) of the GWMS showed rise in water level between 0-2 and 7.61% (20) showed rise between 2-4 m. About 22.43% (59) of the GWMS showed fall in water level between 0-2, 1.9% (5) showed fall between 2-4 m and 0.38% (1) GWMS showed fall of more than 4 m.

Meghalaya

By comparing the water level of March 2014 with March 2013 it was observed that of all the monitored stations in the state 57.14% (4) of the GWMS showed rise in water level between 0-2 m and 42.86% (3) of the GWMS showed fall in water level between 0-2 m.

Tripura

By comparing the water level of March 2014 with March 2013 it was observed that of all the monitored stations in the state 50% (25) of the GWMS showed rise in water level between 0-2 m, 2% (1) showed rise between 2-4 m, 44% (22) showed fall in water level between 0-2 m, 2% (1) showed fall between 2-4 m and 2% (1) showed fall of more than 4 m.

6.5.3 November 2014 and November2013 (Fig. 17 and Annexure XV)

Arunachal Pradesh

By comparing the water level of November 2014 with November 2013 it was observed that of all the monitored stations in the state 35% (7) of the GWMS showed fall in water level between 0-2 m and 60% (12) showed rise in water level between 0-2 m and 5% (1) showed rise between 2-4 m.

Assam

By comparing the water level of November 2014 with November 2013 it was observed that of all the monitored stations in the state 48.19% (120) of the GWMS showed rise in water level between 0-2 m, 3.21% (8) showed rise between 2-4 m and 0.8% (2) showed rise of more than 4 m. About 44.98% (112) of the GWMS showed fall in water level between 0-2 m, 2.42% (6) showed fall between 2-4 m and 0.4% (1) showed fall of more than 4 m.

Nagaland

By comparing the water level of November 2014 with November 2013 it was observed that of all the monitored stations in the state 35% (7) of the GWMS showed rise in water level between 0-2 m and 5% (1) showed rise in water level between 2-4 m. About 40% (8) of the GWMS showed fall in water level between 0-2 m, 5% (1) showed fall in water level between 2-4 m and 15% (3) showed fall of more than 4 m.

Tripura

By comparing the water level of November 2014 with November 2013 it was observed that of all the monitored stations in the state 35.29% (18) of the GWMS showed rise in water level between 0-2 m and 5.88% (3) showed rise between 2-4 m. About 56.87% (29) of the GWMS showed fall between 0-2 m and 1.96% (1) showed fall between 2-4 m.

6.5.4 January 2015 and January 2014 (Fig. 18 and Annexure XVI)

Arunachal Pradesh

By comparing the water level of January 2015 with January 2014 it was observed that the maximum monitoring stations in the state shows rising trend. About 63.64% (14) of the GWMS showed rise in water level between 0-2 m and 36.36% (8) of the GWMS showed fall in water level between 0-2 m.

Assam

By comparing the water level of January 2015 with January 2014 it was observed that the of all the monitored stations in the state 38.41% (111) of the GWMS showed fall in water level between 0-2 m, 1.73%(5) showed fall between 2-4 m and 0.69% (2) showed fall of more than 4 m bgl. About 56.06% (162) of the GWMS showed rise in between 0-2 m, 2.08% (6) showed rise in between 2-4 m and 1.04% (3) showed rise of more than 4 m.

Meghalaya

By comparing the water level of January 2015 with January 2014 it was observed that the of all the monitored stations in the state 36.37% (4) of the GWMS showed fall in water level between 0-2 m and 9.09%(1) showed fall of more than 4 m. About 45.45% (5) of the GWMS showed rise in water level between 0-2 m and 9.09% (1) showed rise in water level of more than 4 m.

Nagaland

By comparing the water level of January 2015 with January 2014 it was observed that the of all the monitored stations in the state 42.86% (9) of the GWMS showed rise in water level between 0-2 m and 57.14% (12) of the GWMS showed fall in water level between 0-2 m.

Tripura

By comparing the water level of January 2015 with January 2014 it was observed that the of all the monitored stations in the state 61.7% (29) of the GWMS showed fall in water level between 0-2 m and 2.13% (1) showed fall in water level of more than 4 m. About 34.04% (16) of the GWMS showed rise in water level between 0-2 m and 2.13% (1) showed rise between 2-4 m.

6.6.1 August 2014 and Decadal Mean (August 2004-2013) (Fig. 19 and Annexure XVII)

Arunachal Pradesh

August 2014 water level has been compared with mean water level data of the same period of preceding 10 years. 77.8% (7) GWMS shows 0-2 mbgl rising trend and 22.2% (2)

GWMS shows 2-4 mbgl rising trend. The minimum and maximum rising water levels are 0.3 mbgl and 2.33 mbgl are recorded at Papumpare and Tirap districts respectively.

Assam

August 2014 water level has been compared with mean water level data of the same period of preceding 10 years. 58.14% (100) GWMS shows 0-2 mbgl rising trend, 5.81% (10) GWMS shows 2-4 mbgl rising trend, 2.33% (4) GWMS shows >4 mbgl rising trend and 30.23% (52) GWMS shows 0-2 mbgl falling trend, 2.33% (4) GWMS Shows 2-4 mbgl falling trend , 1.16% (2) GWMS shows >4 mbgl falling trend. The minimum and maximum rising water levels are 0.01 mbgl and 51.02 mbgl are recorded at Cachar and Golaghat districts GWMS respectively. The minimum and maximum falling water levels 0.01 mbgl and 7.18 mbgl are recorded at Golaghat and Karbi Anglong District GWMS respectively.

Meghalaya

August 2014 water level has been compared with mean water level data of the same period of preceding 10 years. 60% (3) GWMS shows 0-2 mbgl rising trend and 40% (2) GWMS shows 0-2 mbgl falling trend. The minimum and maximum rising water levels are 0.23 mbgl and 0.39 mbgl are recorded at West Khasi Hills and Jaintia Hills districts GWMS respectively. The minimum and maximum falling water levels 0.66 mbgl and 1.15 mbgl are recorded at East Khasi Hills District GWMS.

Tripura

August 2014 water level has been compared with mean water level data of the same period of preceding 10 years71.43% (20) GWMS shows 0-2 mbgl rising trend and 25% (7) GWMS shows 0-2 mbgl falling trend, 3.57% (1) GWMS shows 2-4 mbgl falling trend in water level. The minimum and maximum rising water levels are 0.01 mbgl and 1.55 mbgl are recorded at North Tripura and West Tripura districts GWMS respectively. The minimum and maximum falling water levels 0.05 mbgl and 3.55 mbgl are recorded at West Tripura district GWMS.

6.6.2 November 2014 and Decadal Mean (Nov2004-2013) (Fig. 20 and Annexure XVIII)

Arunachal Pradesh

November 2014 water level has been compared with mean water level data of the same period of preceding 10 years. 77.78% (7) GWMS shows 0-2 mbgl rising trend and 22.22% (2) GWMS shows 0-2 mbgl falling trend. The minimum and maximum rising water levels are 0.13 mbgl and 1.05 mbgl are recorded at Changlang and Tirap districts respectively. The maximum falling water levels 0.66 mbgl are recorded at Changlang district.

Assam

November 2014 water level has been compared with mean water level data of the same period of preceding 10 years. 49.71% (87) GWMS shows rising trend within 0-2 mbgl and 2.29% (4) GWMS shows rising trend between 2-4 mbgl and 0.57% (1) GWMS shows rising trend >4 mbgl 47.43% (83) GWMS shows falling trend within 0-2 mbgl . The maximum rising water level of 5.87 m recorded at Karbi Anglong district. The maximum falling water 1.8 m recorded at district GWMS.

Meghalaya

November 2014 water level has been compared with mean water level data of the same period of preceding 10 years. 50% (8) GWMS shows rising trend within 0-2 mbgl and 37.5% (6) GWMS shows falling trend within 0-2 mbgl and 12.5% (5) GWMS shows falling trend between 2-4 mbgl. The maximum rising water level 1.46 m recorded at Jaintia hills district and the maximum falling water level 2.42 m recorded at East khasi hill district.

Tripura

November 2014 water level has been compared with mean water level data of the same period of preceding 10 years. 30.5% (7) GWMS shows rising trend within 0-2 mbgl and 60.8% (14) GWMS shows falling trend within 0-2 mbgl, 8.7% (2) GWMS shows 2-4 m falling trend. The maximum rising water level 1.23 m maximum falling water level 0.66 m recorded at North Tripura & South Tripura district GWMS respectively.

6.6.3 January 2015 and Decadal Mean (Jan 2005-2014) (Fig.21 and Annexure XIX)

Arunachal Pradesh

January 2015 water level has been compared with mean water level data of the same period of preceding 10 years. 81.82% (9) GWMS shows 0-2 mbgl rising trend and 18.18% (2) GWMS shows 0-2 mbgl falling trend. The maximum rising water level 1.41 m and maximum falling water level 0.13 m recorded at Tirap and East Siang districts respectively.

Assam

January 2015 water level has been compared with mean water level data of the same period of preceding 10 years. 44.62% (83) GWMS shows 0-2 mbgl rising trend, 1.08% (2) GWMS shows 2-4 mbgl rising trend and 51.07% (95) GWMS Shows 0-2 mbgl falling trend and 2.15% (4) GWMS shows 2-4 mbgl falling trend in water level and 1.08% (2) GWMS shows >4 mbgl falling trend . The maximum rising water level 3.88 m and maximum falling water level 7.99 m recorded at Karimganj and Karbi Anglong districts GWMS respectively.

Meghalaya

January 2015 water level has been compared with mean water level data of the same period of preceding 10 years. 47.62% (10) GWMS shows 0-2 mbgl rising trend and 47.62% (10) GWMS Shows 0-2 mbgl falling trend and 4.76% (1) GWMS shows 2-4 mbgl falling trend in water level. The maximum rising water level 1.06 m and maximum falling water level 3.01 m recorded at Jaintia Hills and East Khasi Hills districts GWMS respectively.

Tripura

January 2015 water level has been compared with mean water level data of the same period of preceding 10 years. 34.62% (9) GWMS shows 0-2 mbgl rising trend 61.54% (16) GWMS Shows 0-2 mbgl falling trend ,3.84% (1) GWMS shows >4 mbgl falling trend. The maximum rising water level 1.08 m and maximum falling water levels 4.17 m recorded at South Tripura and West Tripura districts GWMS respectively.

6.7 Ground Water Level Trend (2008-2014) Pre Monsoon

The historical water level data of GWMS, available in GWDES is analysed for calculating long term water level trends (for the period 2008-2014) for pre monsoon period separately (long term water level data, of last 10 years is not available for many stations). Monitoring of Ground Water Monitoring Stations for pre-monsoon water level during March has been commenced from the year, 2008 only.

A total number of 287 stations are 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

A total 11 stations are analysed for pre-monsoon water level trends. Out of these, 7 stations show rising trends ranging from 0.04 to 0.98m/year whereas, 4 stations show falling water level trends ranging from 0.11 to 0.35m/year. The maximum fall is observed at Changlang district. The declining water level trend has been observed, but is not significant.

6.7.2 Assam

A total 207 stations are analysed for pre-monsoon water level trends. Out of these, 100 stations show rising trends ranging from 0.001 to 0.919m/year whereas, 107 stations show falling water level trends ranging from 0.002 to 1.3m/year. The water level trends show both rising and falling trends all over the State. Rise has been observed in 100 (48 %) stations and fall in 107 (52%) stations during post-monsoon period.

The rising trend above 0.20 m/year is observed in 34 stations in the State. The fall of more than 0.20 m/yr has been observed in 28 stations in Assam. The maximum falling trend has been found as 1.37m/yr. in Kamrup district GWMS. A general decline is observed in the pre monsoon period.

6.7.3 Meghalaya

A total number of 26 stations are analysed for pre-monsoon water level trends. Out of these, 5 stations shows rising trends ranging from 0.009 to 0.42m/year and 21 stations declining water level trends ranging from 0.021 to 1.259m/year have been observed. Most of the rising and declining trend has been restricted below 0.1m/year. Two stations indicated raise the range of 0.20 m/year. The maximum fall is observed at Shillong Polo GWMS.

6.7.4 Nagaland

A total 6 stations are analysed for pre-monsoon water level trends. Out of these, 2 stations show rising trends ranging from 0.15 to 0.66m/year whereas, 4 stations show falling water level trends ranging from 0.11 to 1.437m/year. The maximum fall is observed at Dimapur district. The declining water level trend has been observed at places, but is not significant.

6.7.5 Tripura

Analysis for Tripura State is done for 37 stations for pre-monsoon water level trends. Out of these, 13 stations show rising trend and 24 stations declining trend. The rising trend ranged from 0.021 to 0.44 m/year and the declining trend in the range of 0.001 to 0.358m/year. Maximum decline and maximum rise of 0.661m/year and 0.318m/year have been observed in West Tripura and South Tripura district GWMS respectively. Most of the rise and decline have been recorded below 0.1m/year.

6.8 Ground Water Level Trend (2005-2014) Post Monsoon

The historical water level data of GWMS, available in GWDES is analysed for calculating long term water level trends (for the period 2005-2014) for post monsoon period separately (long term water level data, of last 10 years is not available for many stations). A total number of 341 stations are 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

A total 12 stations are analysed for post-monsoon water level trends. Out of these, 7 stations show rising trends ranging from 0.004 to 0.125m/year whereas, 5 stations show falling water level trends ranging from 0.041 to 0.558m/year. The maximum fall is observed at Pasighat in East Siang district. The declining water level trend has been observed at places, but is not significant.

6.8.2 Assam

A total 242 stations are analysed for post-monsoon water level trends. Out of these, 124 stations show rising trends ranging from 0.006 to 1.407m/year whereas, 118 stations show falling water level trends ranging from 0 to 0.657 m/year. The water level trends show both rising and falling trends all over the State. Rise has been observed in 124 (51 %) stations and fall in 118 (49%) stations during post-monsoon period.

The rising trend above 0.20 m/year is observed in 22 stations in the State. The fall of more than 0.20 m/yr has been observed in 11 stations. The maximum falling trend has been found as 0.657m/yr. in Karbi Anglong district GWMS. A general decline is observed in the post monsoon period.

6.8.3 Meghalaya

A total number of 30 stations are analysed for post-monsoon water level trends. Out of these, 12 stations shows rising trends ranging from 0.005 to 0.257m/year and 18 stations declining water level trends ranging from 0.002 to 0.274m/year have been observed. Most of the rising and declining trend has been restricted below 0.1m/year. Two stations indicated raise the range of 0.20 m/year. The maximum fall is observed at East Garo Hills District.

6.8.4 Nagaland

A total 17 stations are analysed for post-monsoon water level trends. Out of these, 8 stations show rising trends ranging from 0.005 to 0.269m/year whereas, 9 stations show falling water level trends ranging from 0.01 to 1.737m/year. The maximum fall is observed at Dimapur district. The declining water level trend has been observed at places, but is not significant.

6.8.5 Tripura

Analysis for Tripura State is done for 39 stations for post-monsoon water level trends. Out of these, 9 stations show rising trend and 30 stations declining trend. The rising trend

ranged from 0.036 to 0.327 m/year and the declining trend in the range of 0.006 to 0.789m/year. Maximum decline and maximum rise of 0.327m/year and 0.789m/year have been observed in West Tripura and South Tripura district GWMS respectively. Most of the rise and decline have been recorded below 0.1m/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 m bgl are recorded in about 31% (138) of the stations during pre-monsoon and in about 61.2% (290) stations during post-monsoon. Such conditions have occurred due to high rainfall recharge, shallow water level and poor ground water draft from shallow aquifers. Low ground water gradients in valley areas results in water logging conditions. Maps showing areas under water logged and prone to water logging conditions are prepared (Fig. 22 and 23) for both pre- and post-monsoon periods based on water level ranges of 0 to 2.0 mbgl and 2.0 to 3.0 mbgl 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 and 2 to 3 mbgl for areas prone to water logging, for both the pre- and post-monsoon periods. During pre-monsoon period (March 2014), 13.7 % (61) stations show water logging condition, whereas 17.3% (77) stations show prone to water logging condition. During post monsoon period (November 2014) 34.2%(162) stations show water logging condition and 27% (128)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 West Tripura district in Tripura. In Arunachal Pradesh and Meghalaya also water logged and prone to water logging areas has been observed in pockets.

During post-monsoon period (November 14), 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 angling 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 has 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 473 analysed stations, 162(34.2%) stations recorded water level in the range 0 to 2 mbgl and 128(27%) stations in the range 2 to 3 mbgl. Remaining 183(38.8%) stations, most of which are located near inselbergs or in hard rock areas show water levels more than 3 mbgl.

It is observed that in both pre and post monsoon periods, a large parts 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 being collected in the month of March (pre-monsoon) every year. Water quality standards for drinking use and the range of chemical constituents analyzed and the values were compared with the standard values given by BIS (IS 10500:2012). The overall chemical quality of North Eastern region for the year 2014-2015 is provided and in shown in Table – 7.

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

S.No.		1		2		3		4		5		IS 10500:2012	
State		Assam		Meghalaya		Tripura		Nagaland		Arunachal Pradesh		Acceptable limit)	Permissible limit
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max		
pH		6.25	9.5	6.6	8.5	6.8	8.6	6.1	9	6.6	8.2	6.5-8.5	6.5-8.5
Turbidity, NTU		0.1	4.9	0.1	4.6	0.1	4.2	0.4	12	0.1	4	1	5
EC (µs/cm) 25^{o}C		28.9	1780	77	392	74.2	367	79.1	1040	43.0	529	-	-
TDS	mg/L (ppm)	15.1	915	7	201	32.5	169	37.8	534	20.9	285	500	2000
Carbonate alkalinity as $CaCO_3$		8	120	8	40	8	72	8	64	6	32	-	-
Bicarbonate alkalinity as $CaCO_3$		4	436	8	88	8	144	8	216	4	136	-	-
Total alkalinity as $CaCO_3$		12	556	16	128	16	216	16	288	10	168	200	600
Chloride		2	273	6.8	85.4	6.8	71.8	9.9	247	9.9	188	250	1000
Sulphate		0.99	216	0.99	27.14	0.99	15.5	0.99	59.2	0.99	60.5	200	400
Nitrate		0.1	21.6	0.1	13.1	0.1	9.6	0.3	12.2	0.3	10.7	45	45
Flouride		0.01	2.93	0.01	0.42	0.1	0.58	0.02	0.97	0.05	0.53	1	1.5
Calcium (as Ca)		5.6	210	3.2	35.2	4.8	40	6.4	72	6.4	56	75	200
Magnesium (as Mg)		0.5	129	1	26.2	1.9	17.5	2.9	36.9	0.2	48	30	100
Total Hardness (as $CaCO_3$)		20	1020	20	156	32	136	36	260	28	272	200	600
Sodium		0.2	190	0.23	38.2	2.1	36.5	6.8	117	1.49	40.3	-	-
Potassium		0.15	165	0.1	33.8	0.44	10.5	0.83	29.7	0.33	22.1	-	-
Iron		0.01	14.6	0.01	5.1	0.01	1.27	0.02	1.85	0.02	12.3	0.3	0.3

Table 7 shows the minimum and maximum values of 16 basic constituents of ground water in North Eastern region. Among the seven states the minimum value of pH (6.1) was observed in Nagaland where as the maximum pH (9.5) was found in Assam which exceeds the permissible range of pH for drinking water, 6.5-8.5 (BIS10500:2012). In case of Total Dissolved Solids, the level of TDS in the entire North East was within permissible limit but in Assam and Nagaland some samples exceeded the acceptable limit as prescribed by BIS (2012). In case of Chloride, except Assam, the other states were in safe range (250 mg/L and 1000 mg/L). Fluoride contamination of Ground water was found to some extent in Assam (2.93 mg/L) where the value exceeds the permissible limit of 1.5 mg/L. In Assam the total harness, calcium and magnesium content of groundwater exceeds the permissible limit of 1000 mg/L, 200 mg/L, 100 mg/L respectively; the values of total harness and magnesium in other states of NE via Nagaland and Arunachal Pradesh were found exceeding the acceptable limit. Iron contamination was found in maximum extent in North East. All the North eastern states depicted higher concentration of Iron exceeding the permissible limit of 0.3 mg/L. Maximum concentration of iron was observed in Assam (14.6 mg/L) . In Assam distributions of iron in ground water with concentration of 1.0 to 3.0 mg/L is seen spread all over the region whereas concentration of more than 3.0 mg/L is found mostly in Brahmaputra valley of Assam. However, the ground water qualities for other constituents in all NE regions were found within range for drinking purpose.

No major changes were observed in the Chemical quality of the NE regions except TDS, Fluoride and Total harness content in ground water on Tripura are within the permissible limit and the changes may be due the rainfall and other related factors.

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, 645 stations are being monitored of which 437 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, 2014-15, the general depth to water level scenario in the region in March, 2014, depicts water level within 5.0 mbgl, in 70.6%, i.e. 314 stations show a depth range of 0 to 5 mbgl, out of which about 13.7% of the stations indicated water level within 2 mbgl and 56.9% stations between 2 and 5 mbgl. 102 (22.9%) 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 19 (4.3%) stations in East Siang, Papumpare districts of Arunachal Pradesh, Darrang, Dhubri , karbi Anglong and Sibsagar districts of Assam and piezometers of Dimapur, wokha districts of Nagaland and South Tripura ,West Tripura districts of Tripura. Also 10 (2.2 %) 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 2014) mostly ranges between 0 and 5 mbgl. Water level within 5 mbgl has been recorded in 409(86.3%) stations, out of which, 163(34.4%) stations recorded water level within 2 mbgl and 246 (51.9%) stations record water levels from 2 to 5 mbgl. 44 (9.3%) stations recorded water level in the range of 5 to 10 mbgl and 12 (2.5%) stations show water levels in the range

of 10 to 20mbgl. 9 (1.9%) 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 331(82.2%) stations. Rise is recorded within 2 m in 263 (65.3 %) stations and in the range of 2 to 4m in 68(16.9%) stations. 22 (5.5%) stations shows more than 4mbgl rise in water level. 50 (12.4) stations shows fall in water level. out of that 39 (9.7%) stations shows 0 to 2 mbgl fall in, 6 (1.5%) stations shows 2-4 mbgl fall in and more than 4mbgl fall is observed in 5(1.2%) 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 2014.

Water level monitored during November 2014 has been compared with mean water level data of preceding 10 years. The compared result indicates, in general, a rise in 116 (51.5%) stations and fall in 109 (48.5%) monitored stations. Rise within 2 m have been observed in 111(49.3%) stations and in the range of 2 to 4m in 4 (1.8%) stations respectively and beyond 4 m rise in 1(0.4%) station. Fall in water level with respect to decadal mean have been observed within 2m in 105(46.7%) stations in the range of 2m to 4m in 4(1.8%) stations.

5. Water levels of post-monsoon for last 10 years were taken for trend analysis. A total number of 341 stations were analysed. During post monsoon period 180 stations show a declining water level trend mostly within 0.19m/year. Only 27 stations showed decline above 0.2m/year. Significant decline is not observed anywhere in the region. The rise is observed in 161 stations ranging mostly from 0.19m/year. 29 stations indicated rise above 0.2m/year.

6. Water levels of pre-monsoon for last 7 years were taken for trend analysis. A total number of 287 stations were analysed. During pre-monsoon period 160 stations show a declining water level trend mostly within 0.19m/year. Only 51 stations showed decline above 0.2m/year. Significant decline is not observed anywhere in the region. The rise is observed in 127 stations ranging mostly within 0.19m/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.

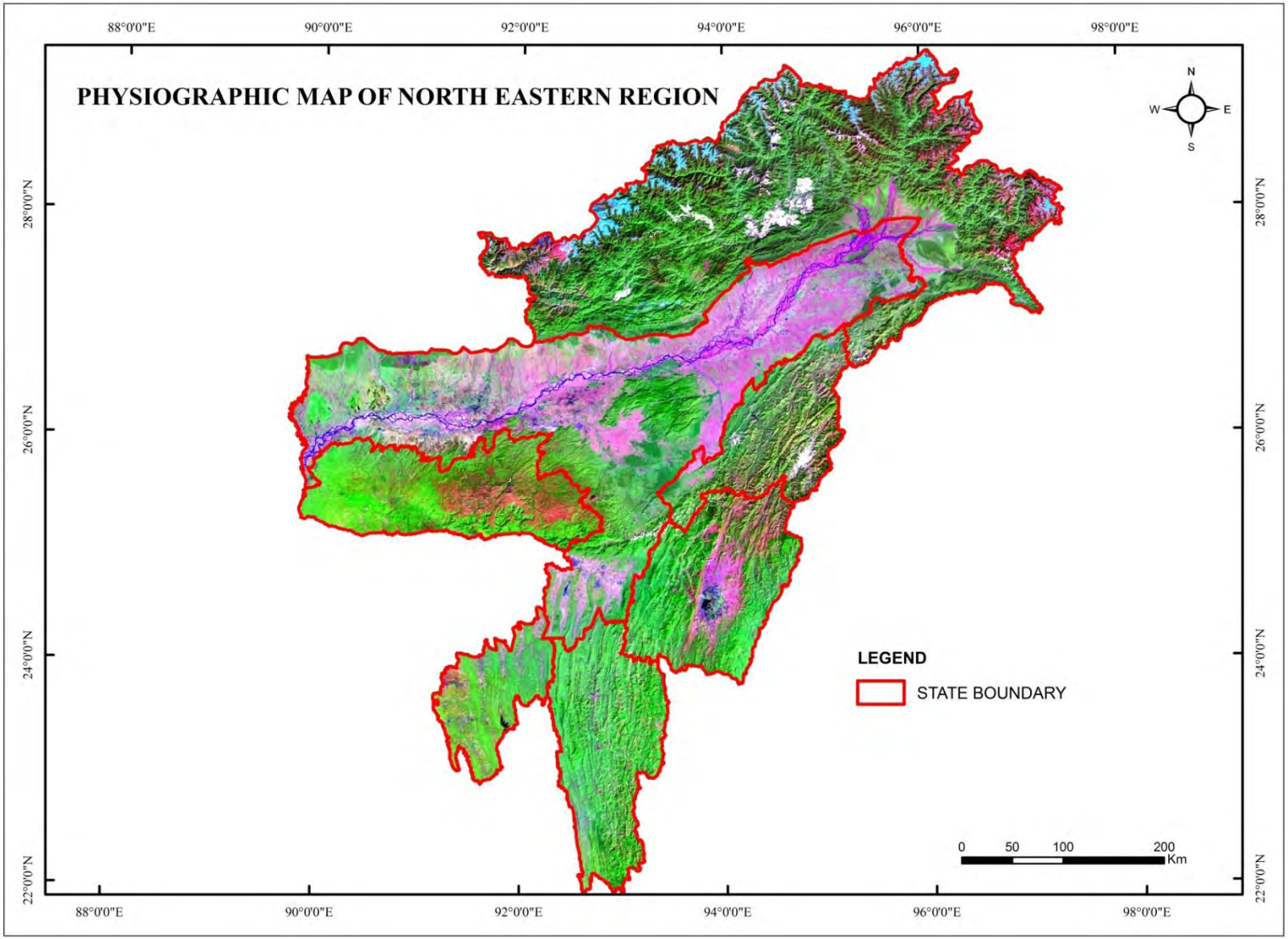

Fig.1Physiographic Map of North Eastern Region

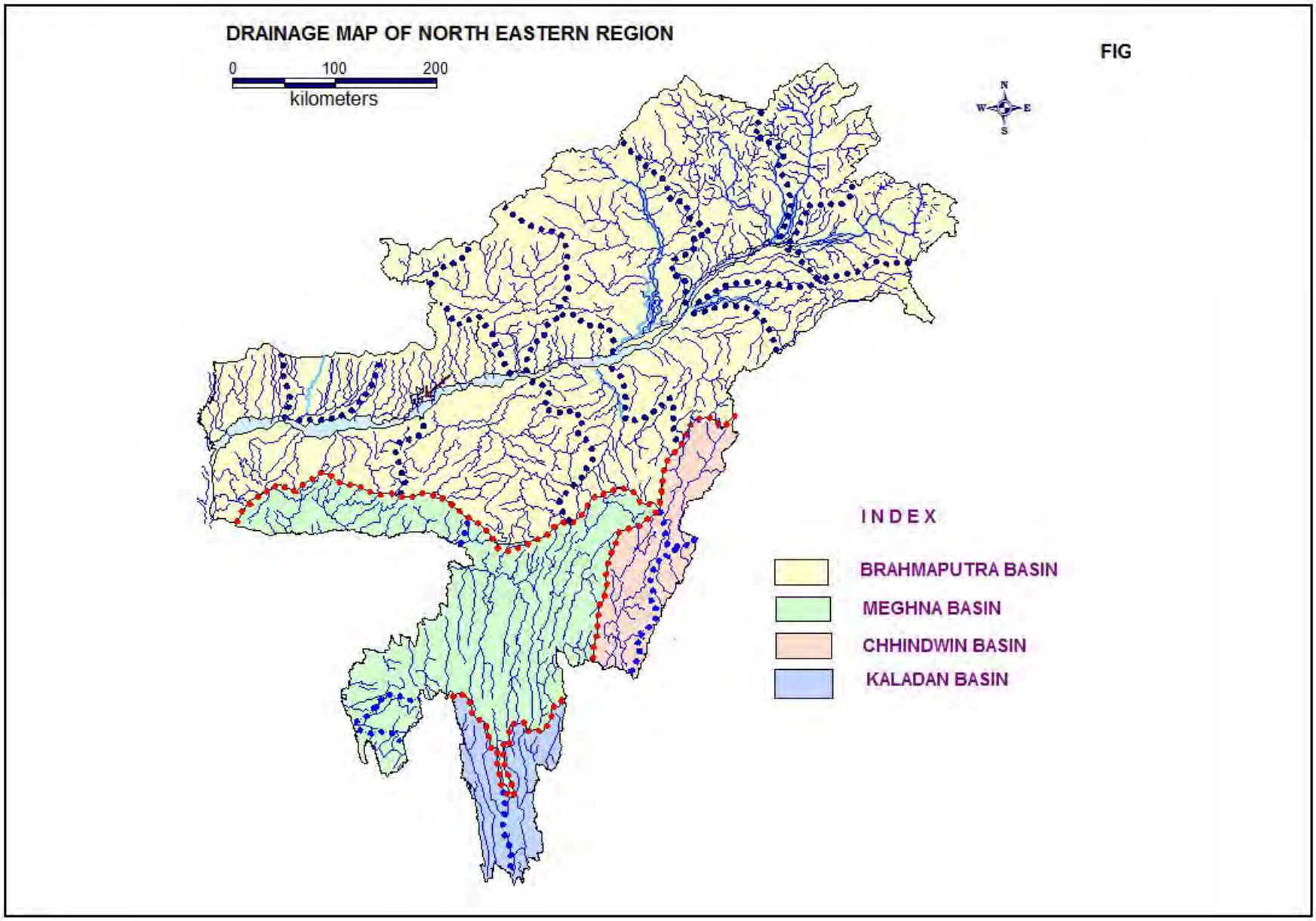

Fig.2Drainage Map of North Eastern Region

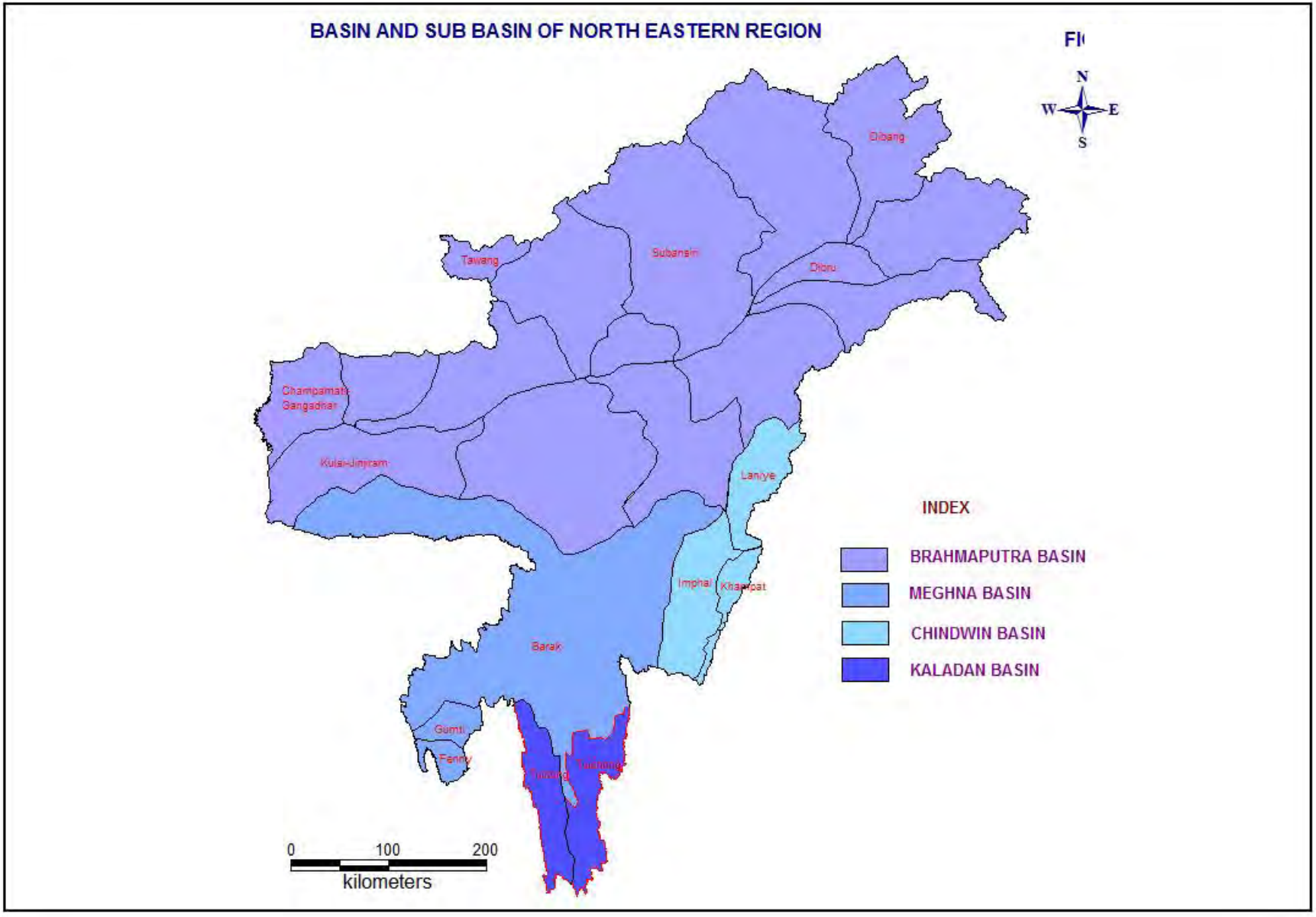

Fig.3Basin & Sub-basin Map of North Eastern Region

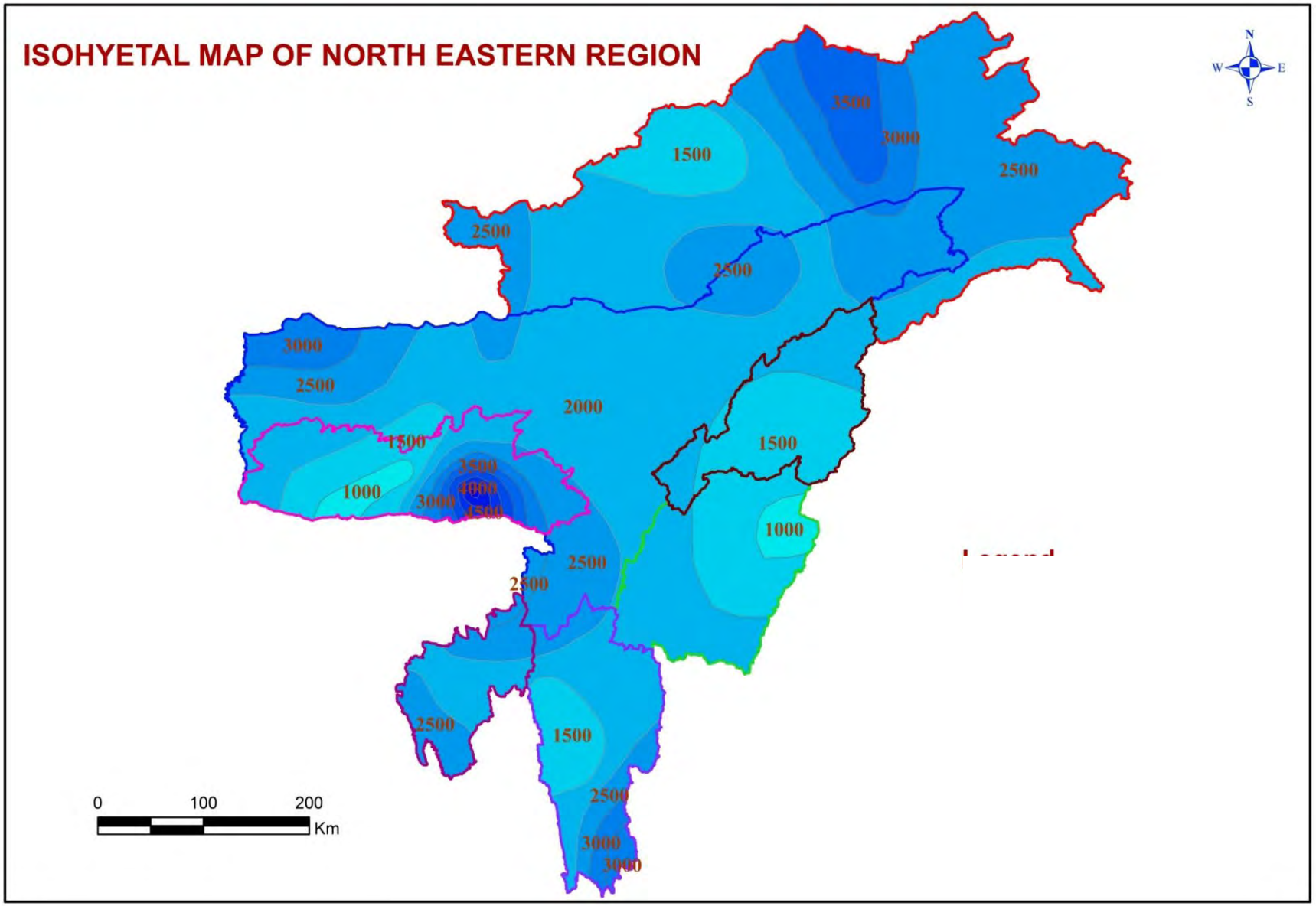

Fig.4Isohyet (Rainfall Distribution) Map of North Eastern

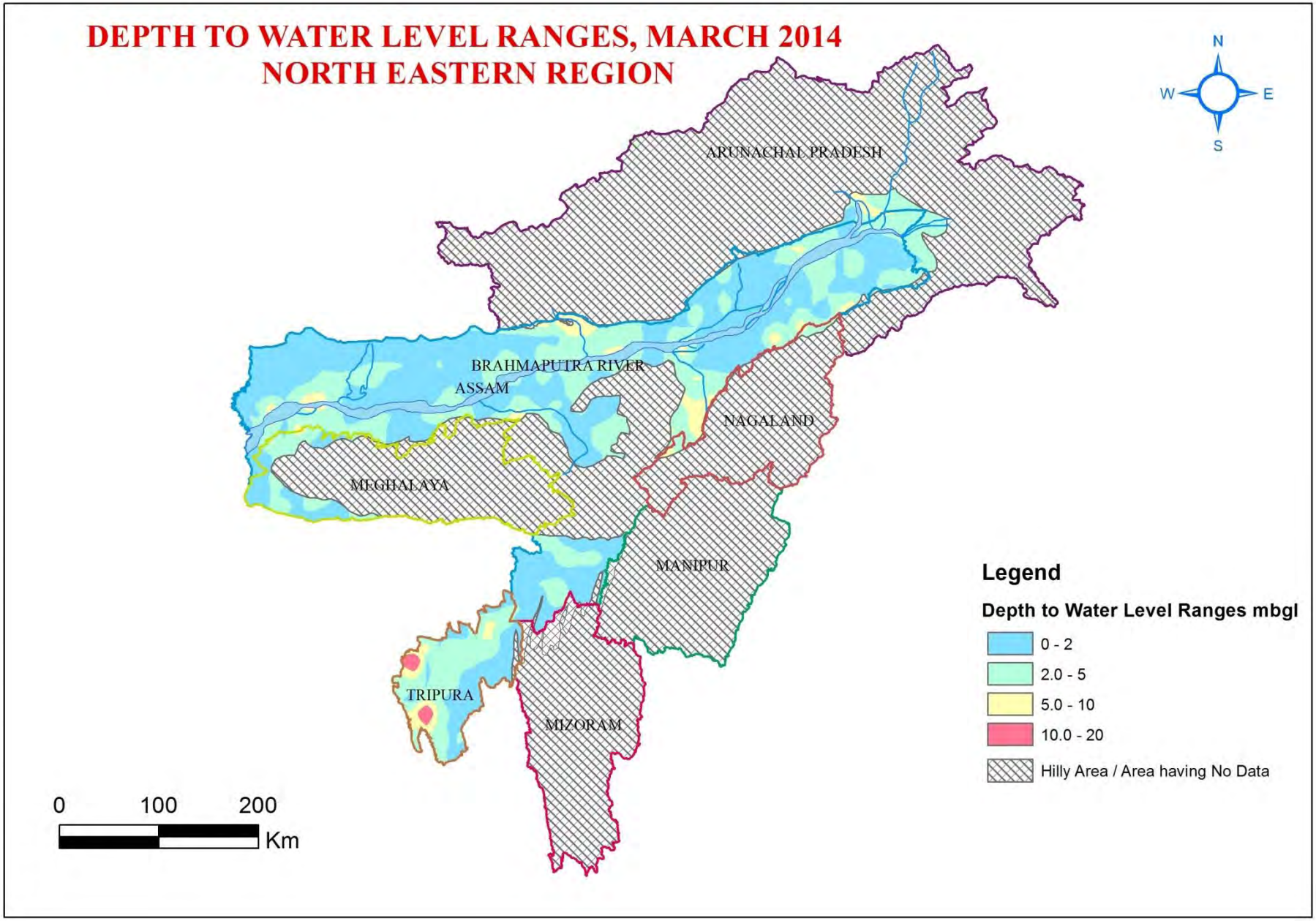

Fig.5Depth to Water Level, March 2014 Map of North Eastern Region

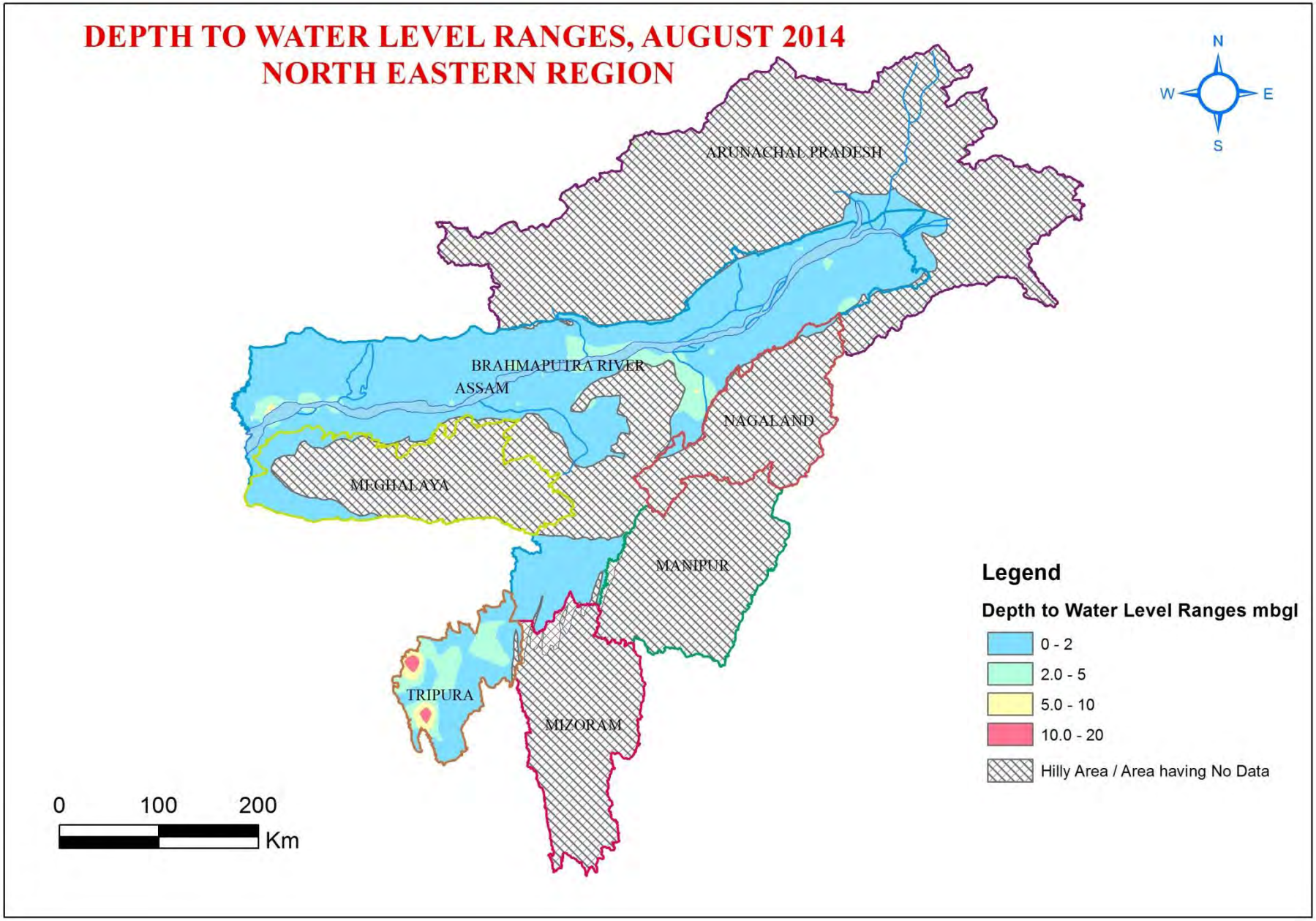

Fig.6Depth to Water Level, August 2014 Map of North Eastern Region

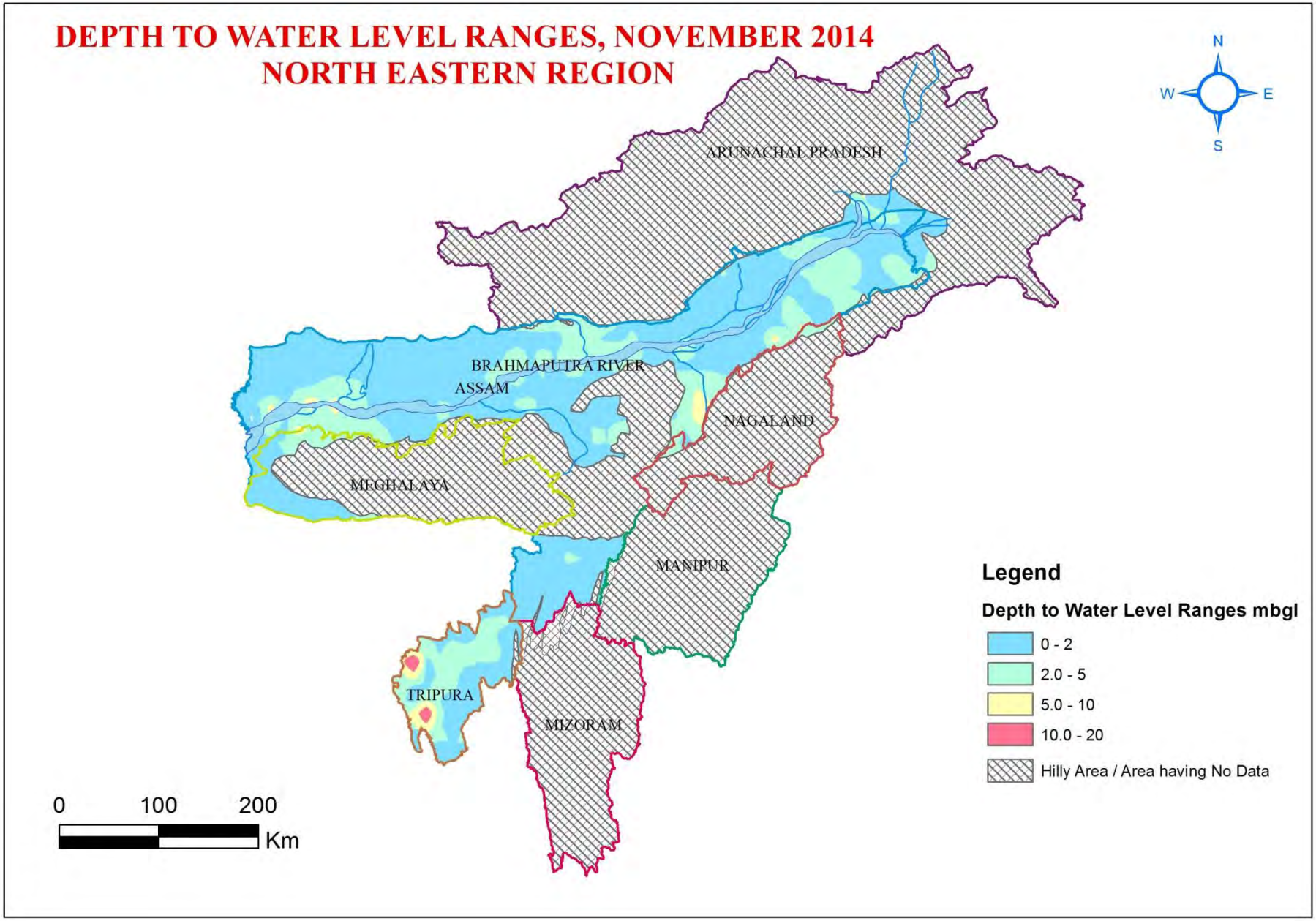

Fig.7Depth to Water Level, November 2014 Map of North Eastern Region

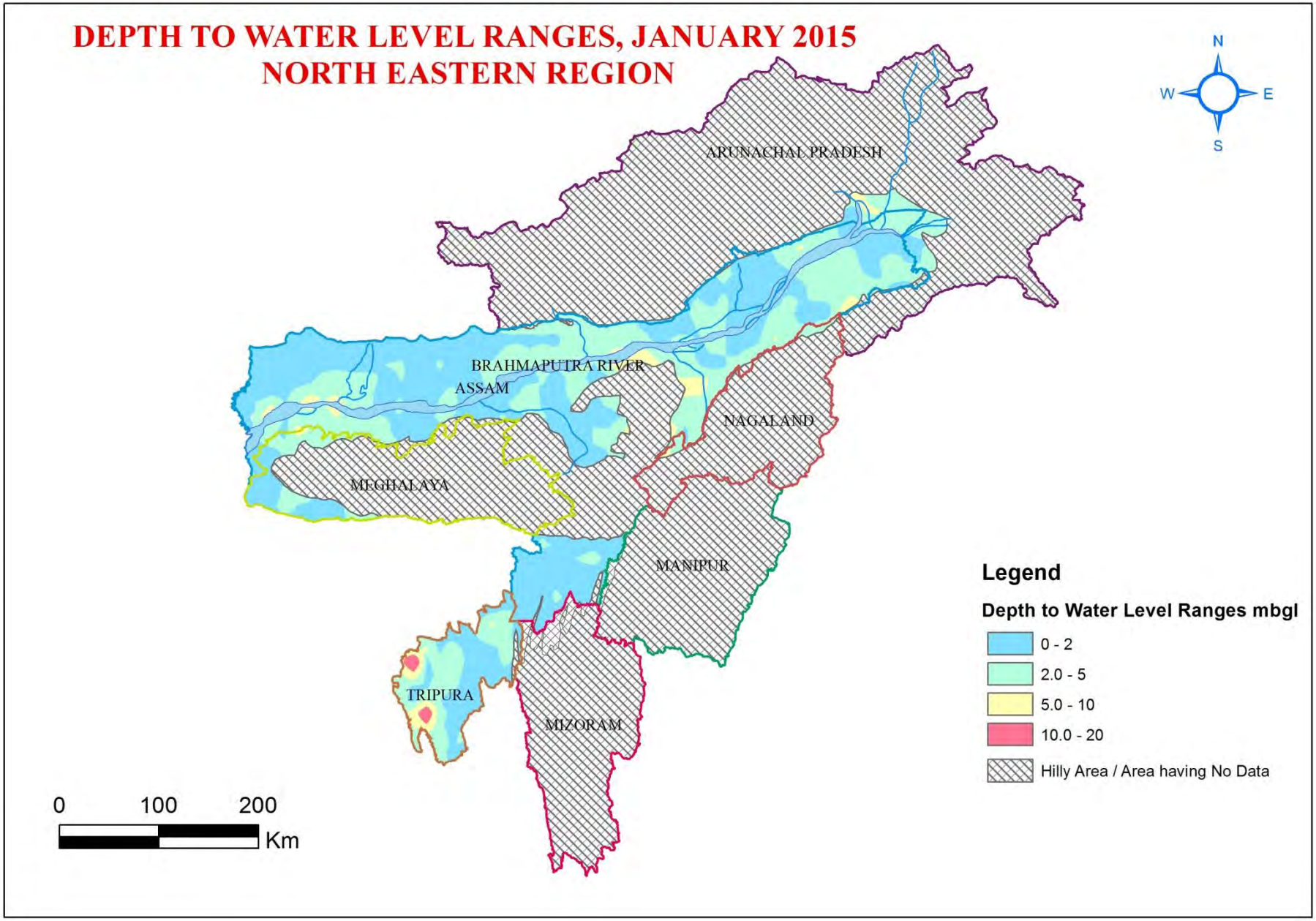

Fig.8Depth to Water Level, January 2015 Map of North Easter Region

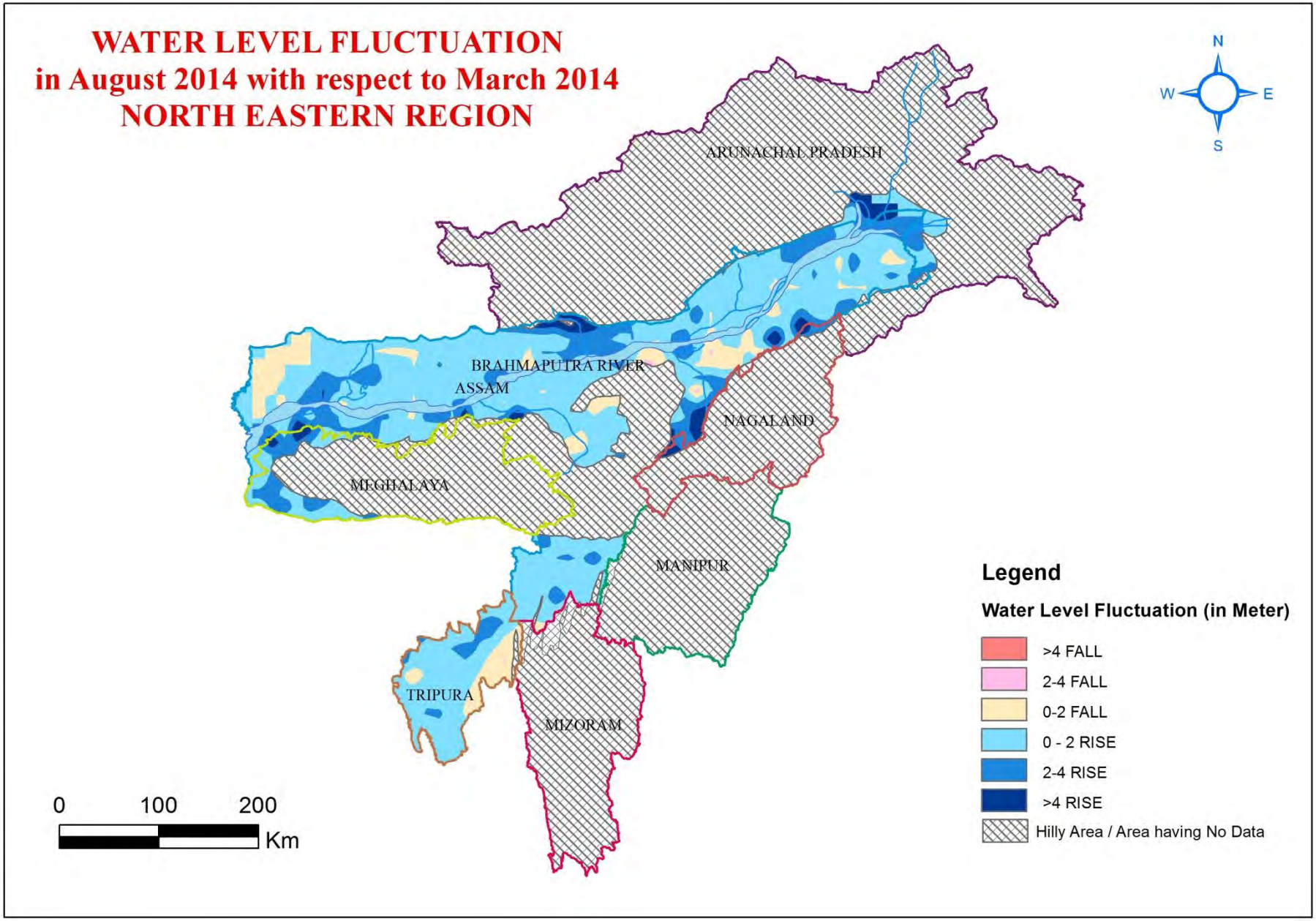

Fig.9 Water Level Fluctuation in August 2014 with respect to March 2014

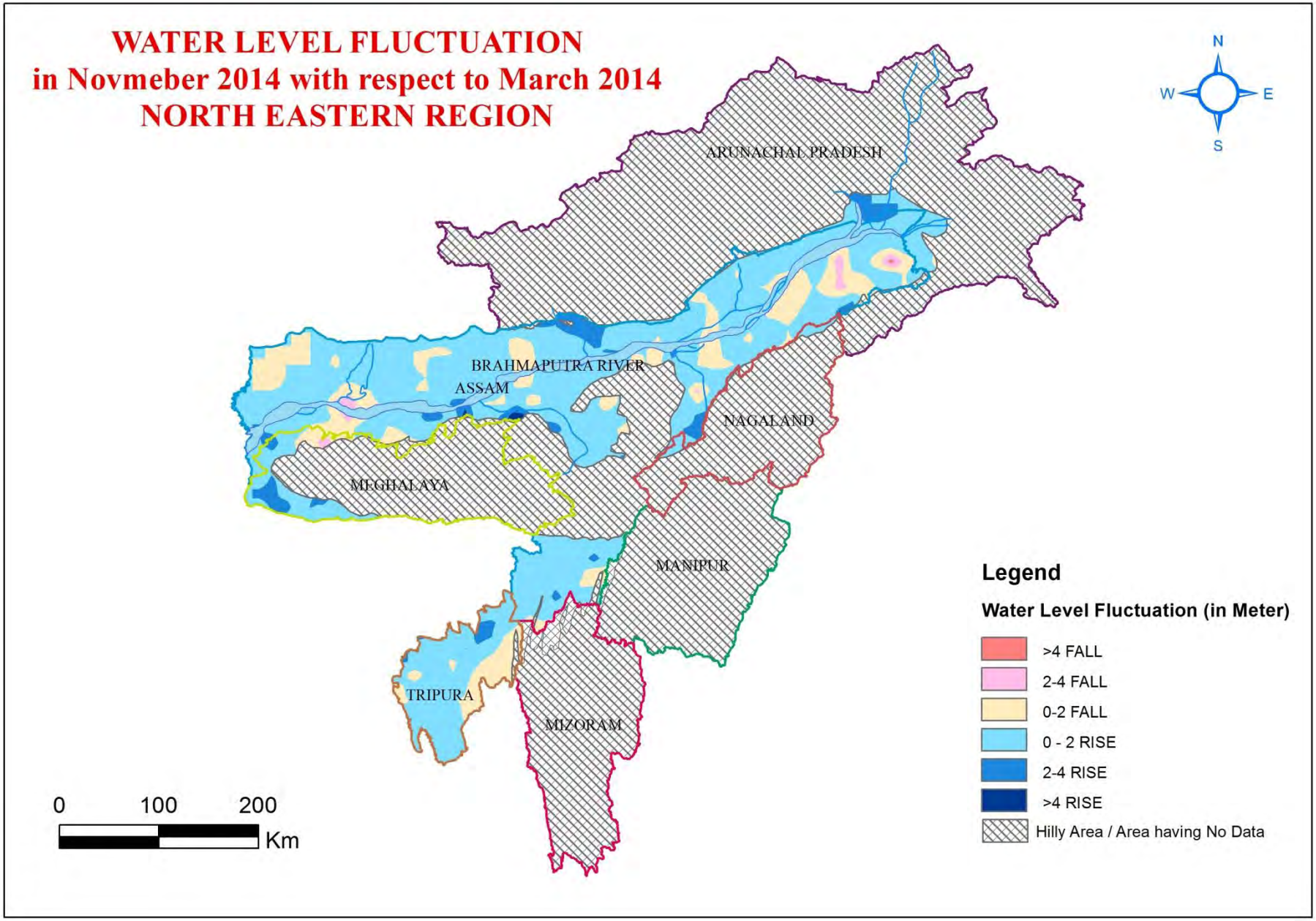

Fig.10 Water Level Fluctuation in November 2014 with respect to March 2014

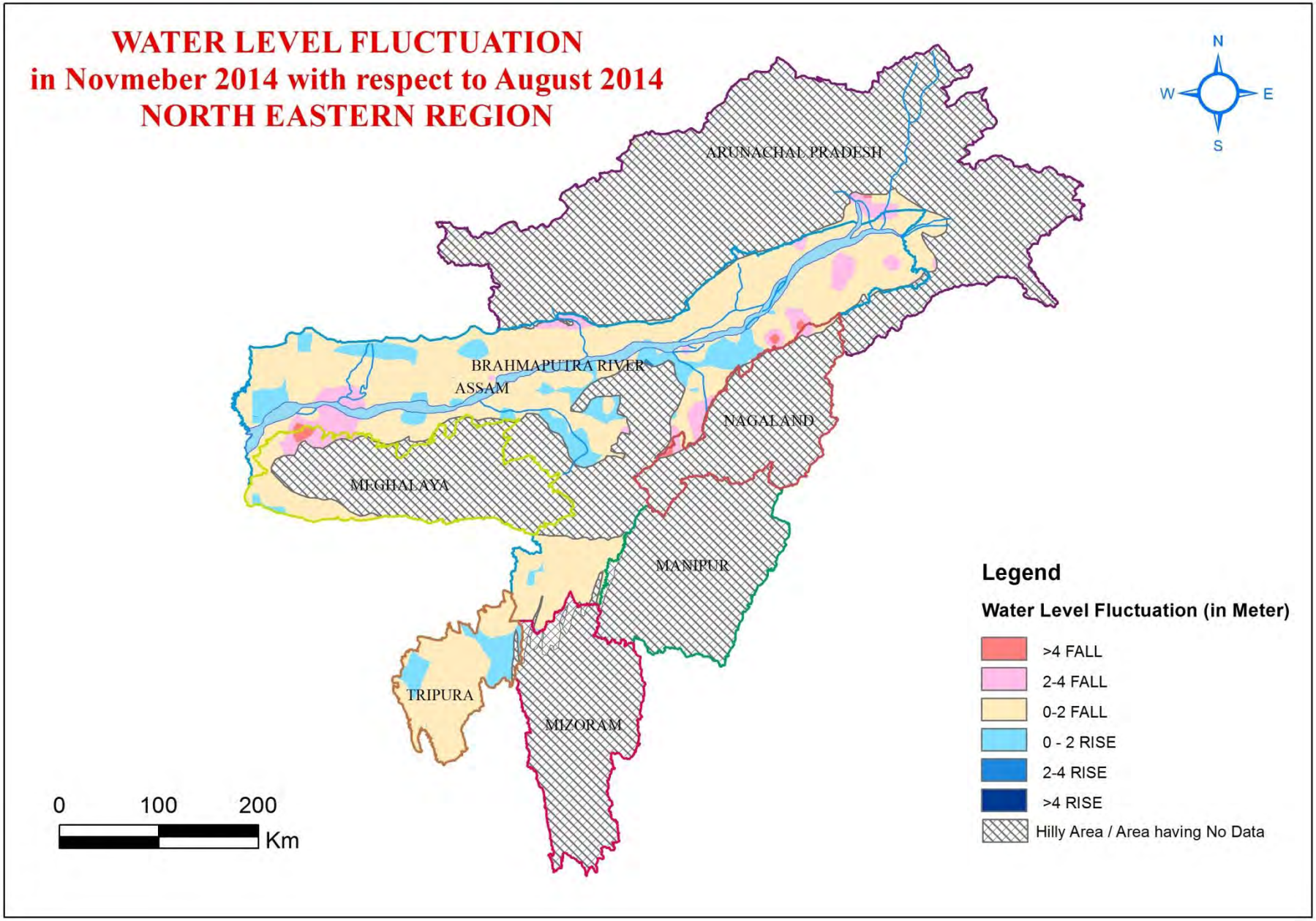

Fig.11 Water Level Fluctuation in November 2014 with respect to August 2014

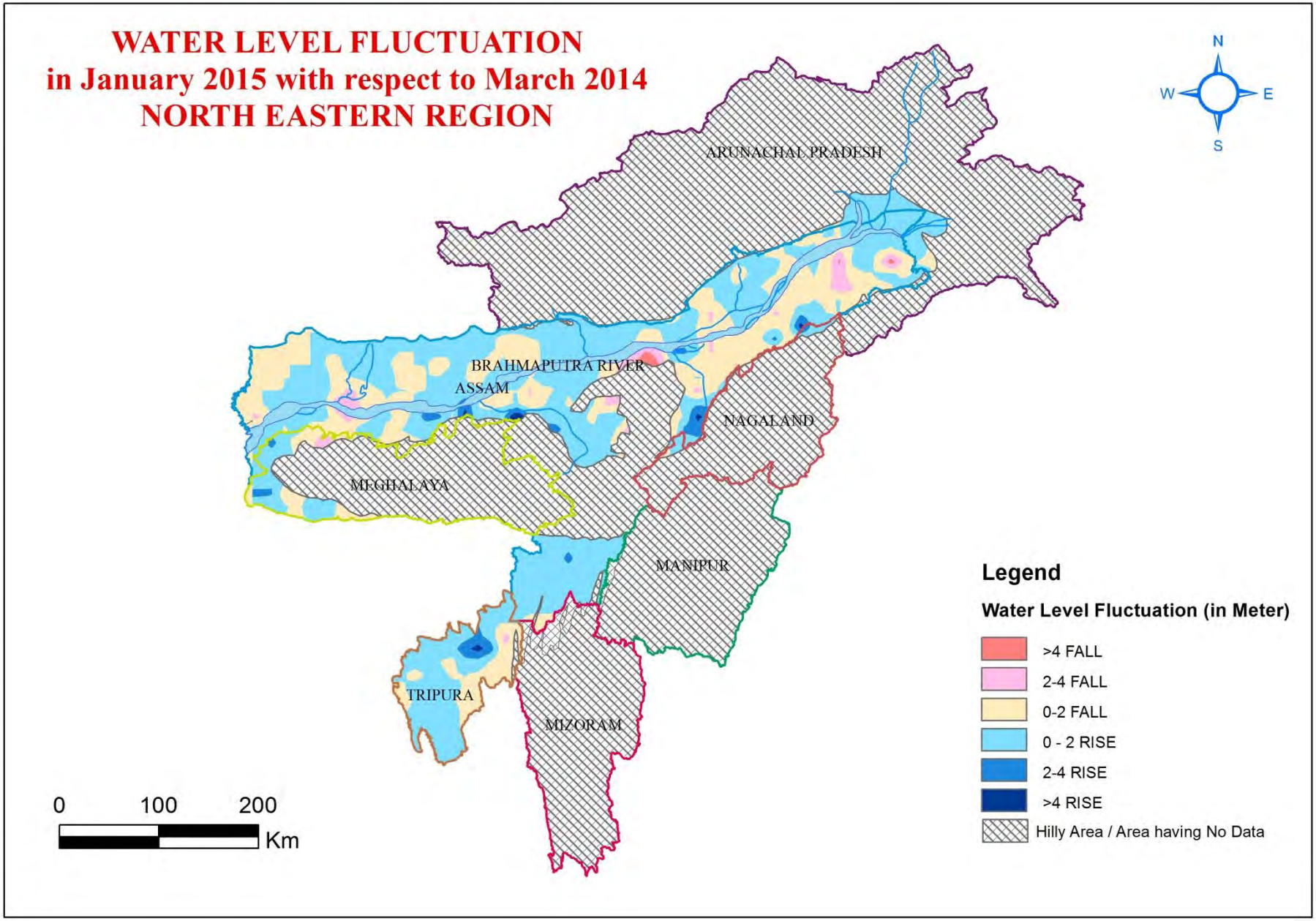

Fig.12Water Level Fluctuation in January 2015 with respect to March 2014

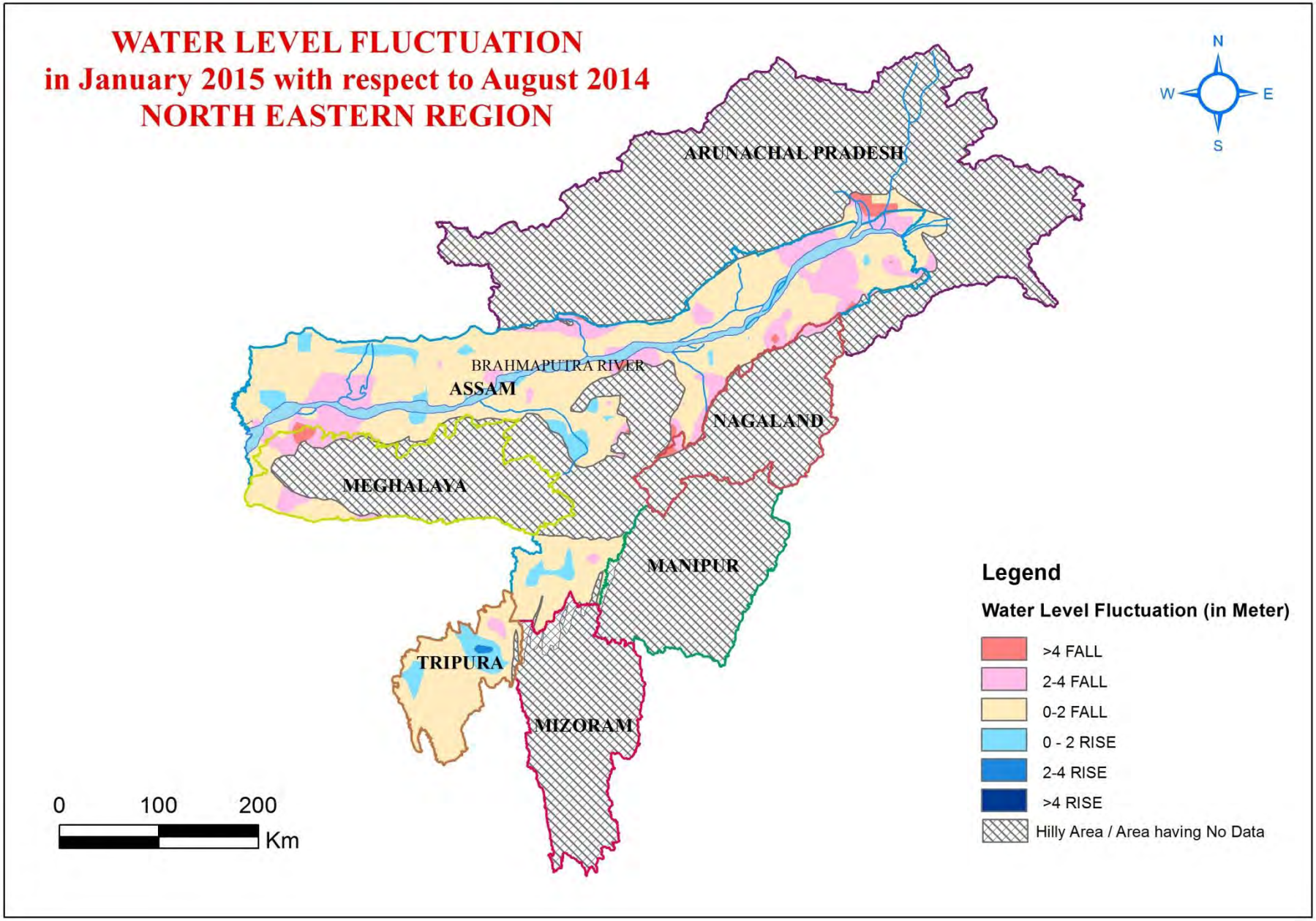

Fig.13Water Level Fluctuation in January 2015 with respect to August 2014

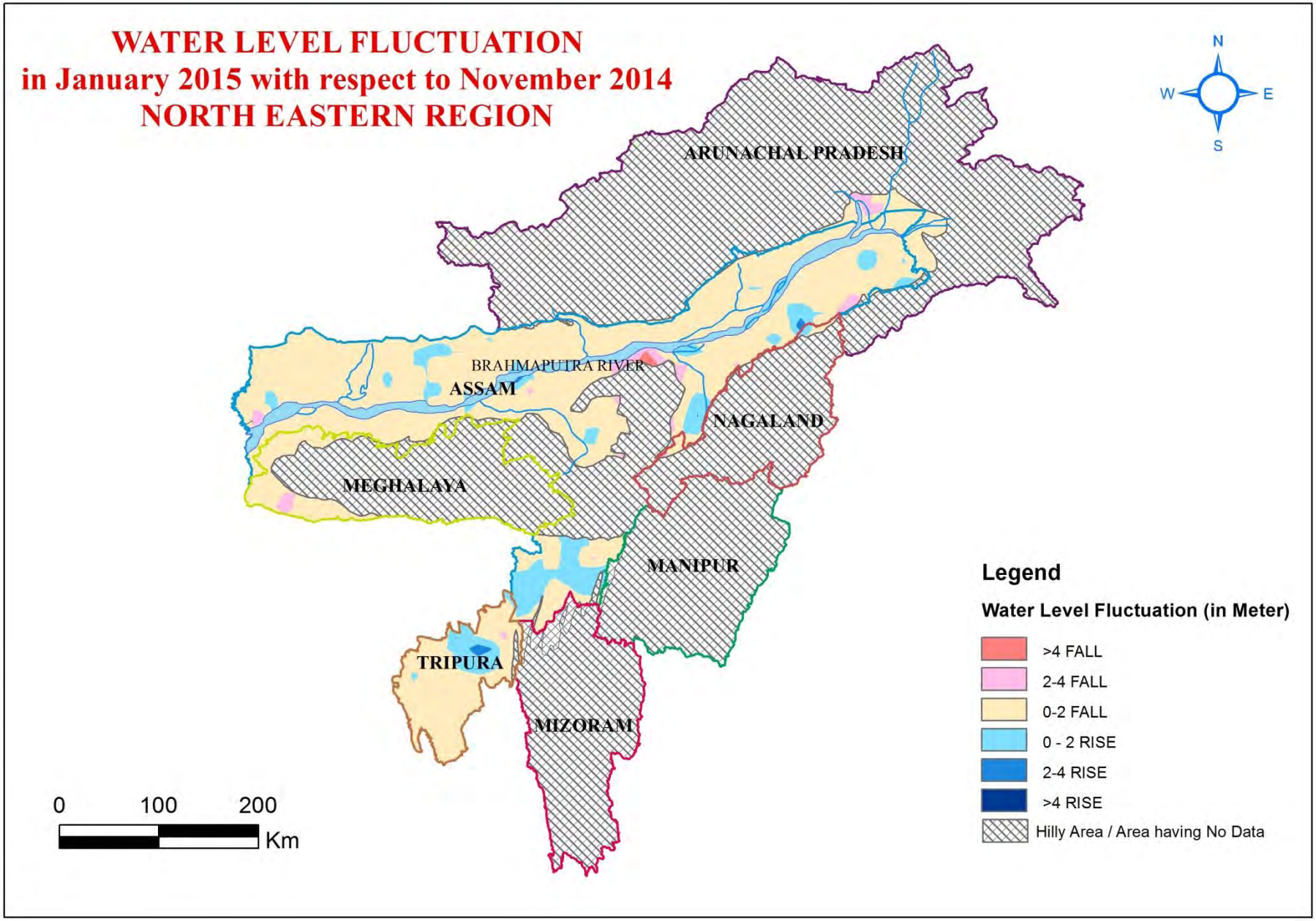

Fig.14Water Level Fluctuation in January 2015 with respect to November 2014

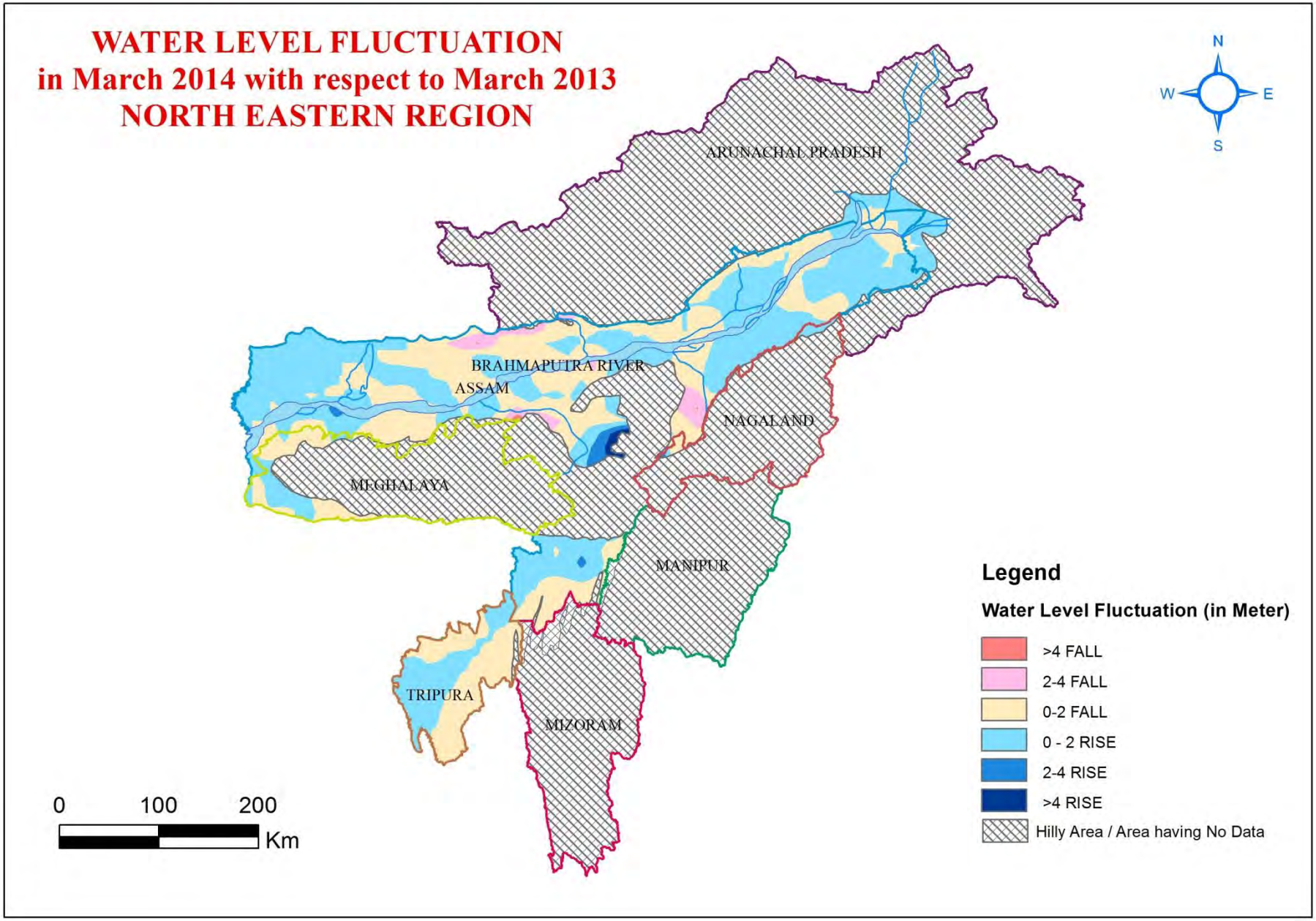

Fig.15 Water Level Fluctuation in March 2014 with respect to March 2013

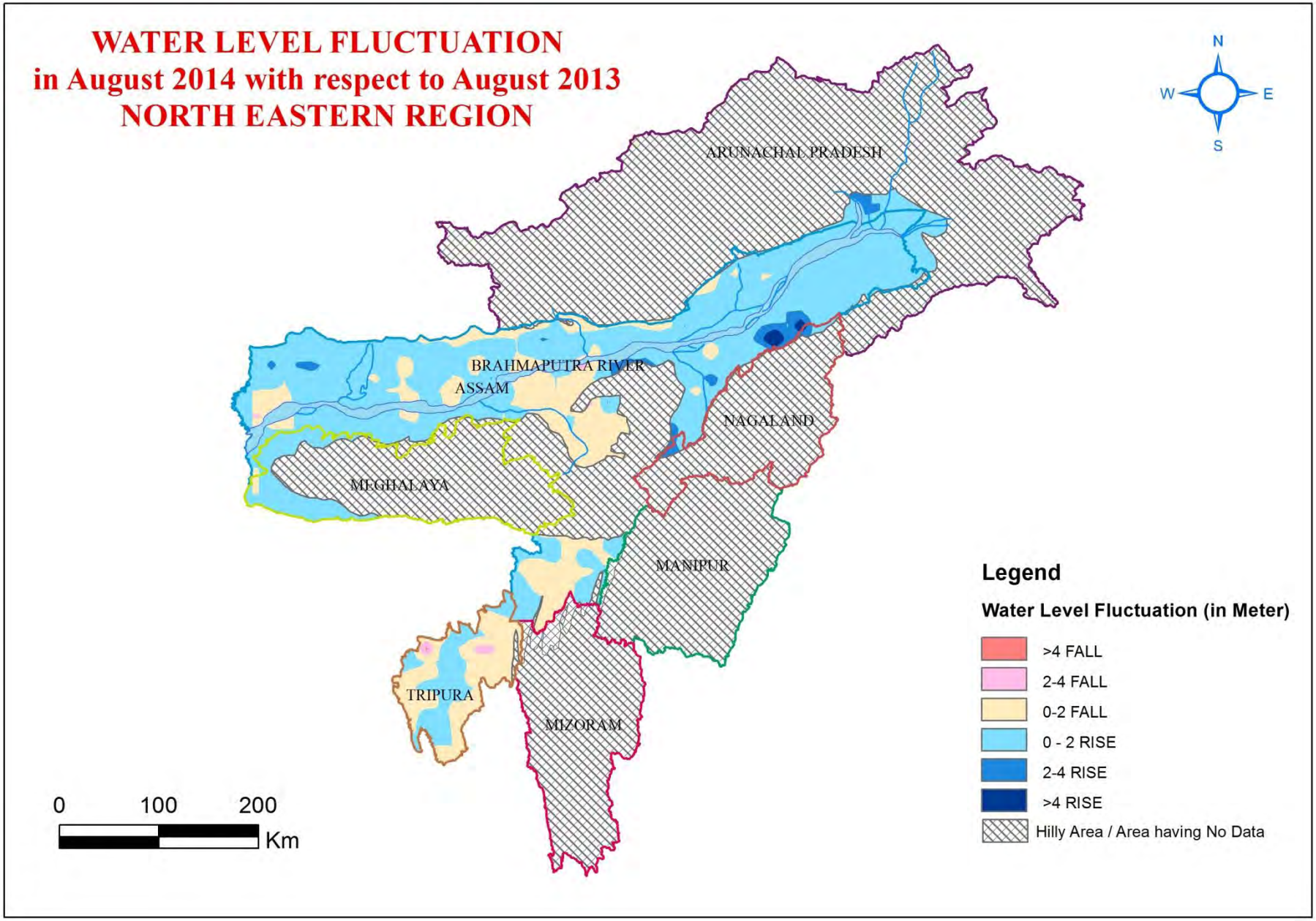

Fig.16Water Level Fluctuation in August 2014 with respect to August 2013

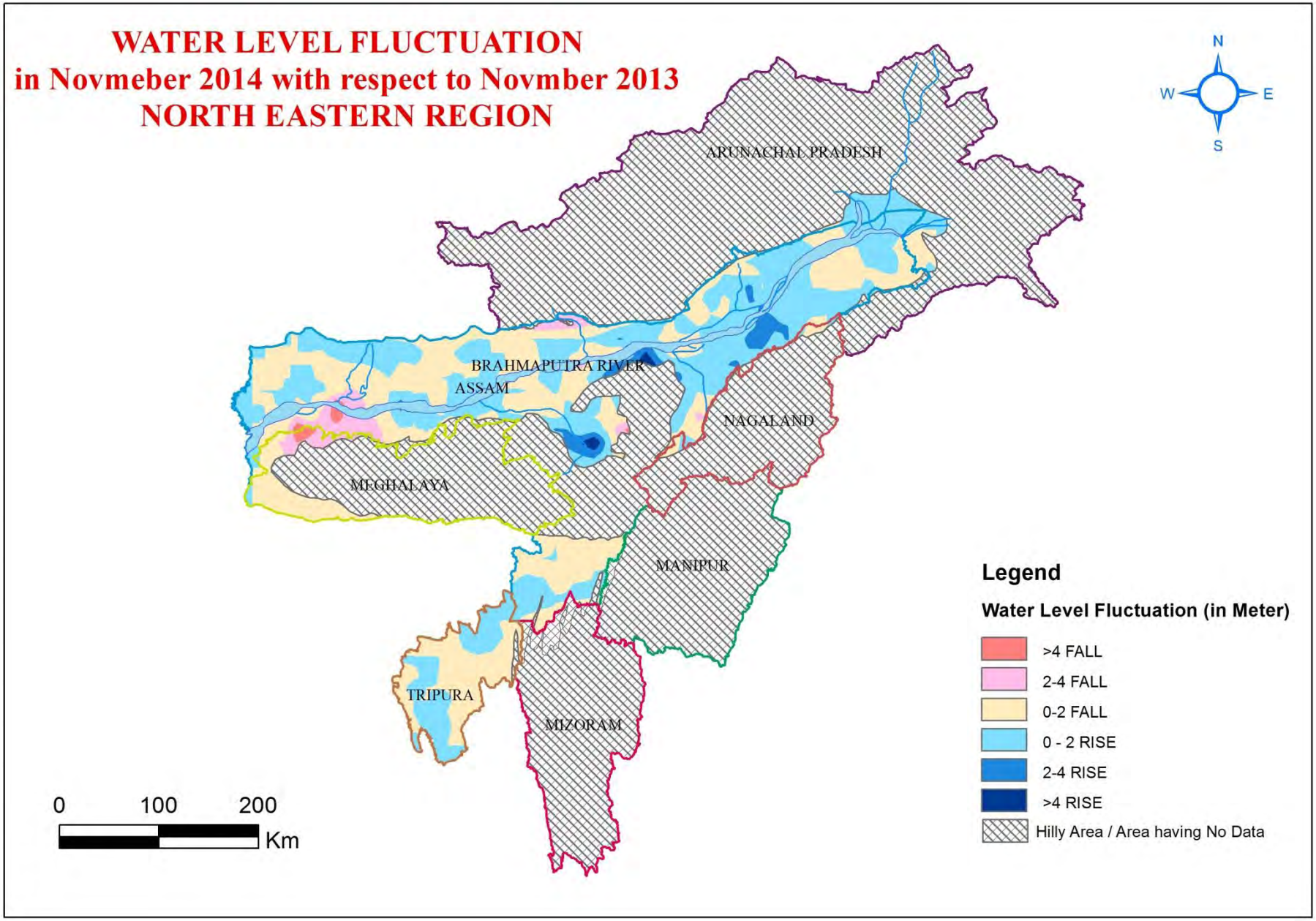

Fig.17Water Level Fluctuation in November 2014 with respect to November 2013

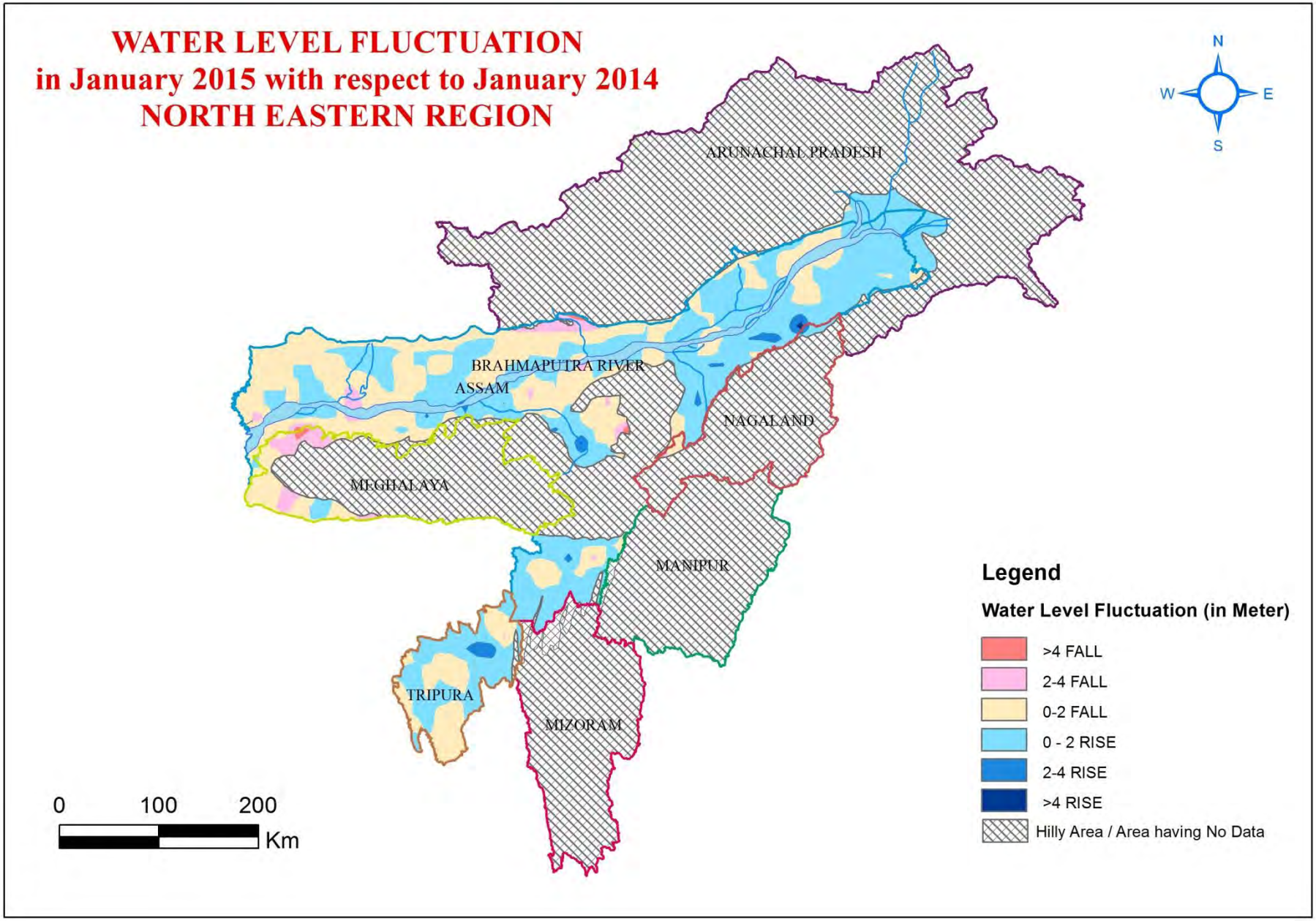

Fig.18Water Level Fluctuation in January 2015 with respect to January 2014

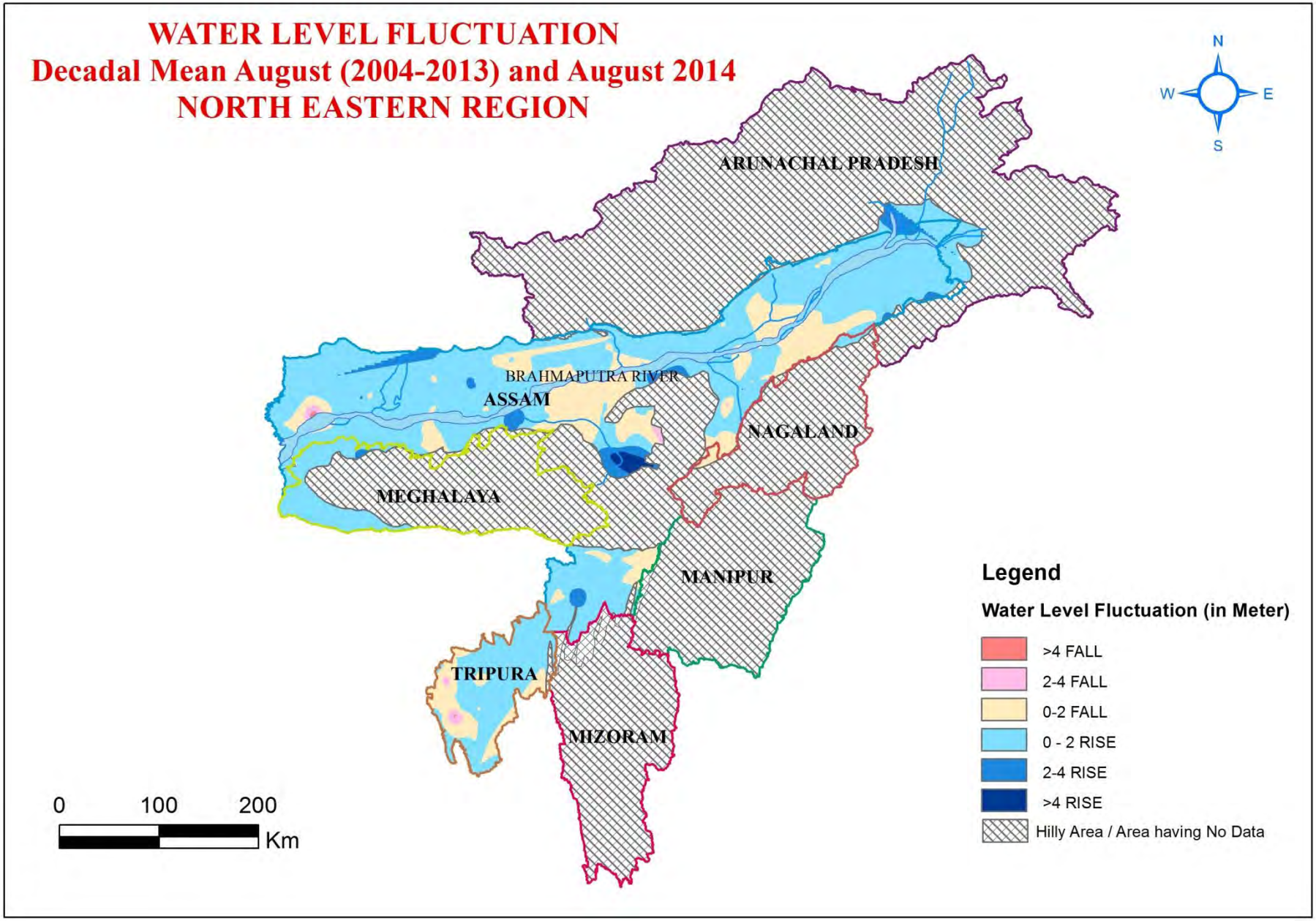

Fig.19Water Level Fluctuation in August 2014 with respect to Decadal Mean (Aug 04-2013) 2014

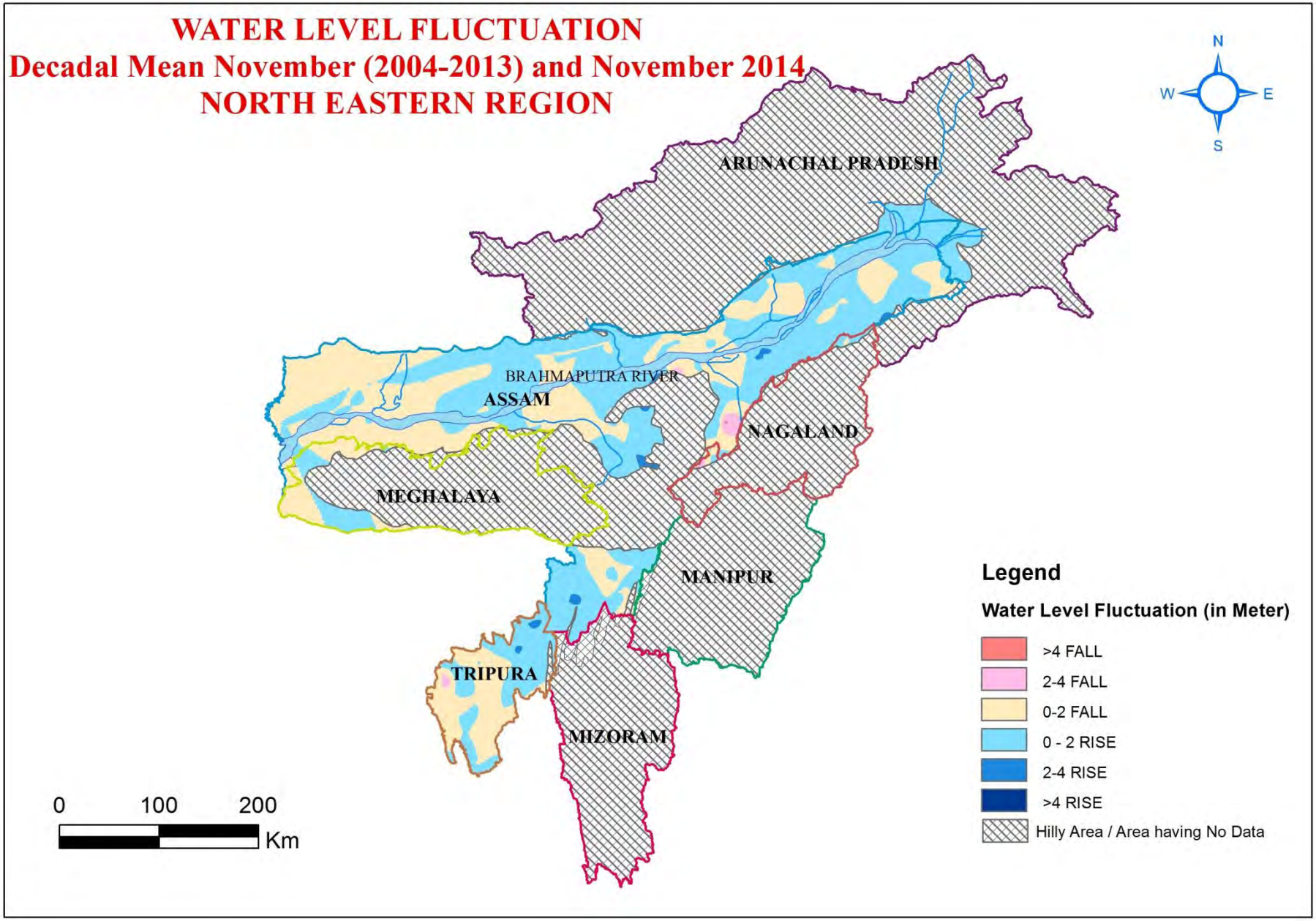

Fig.20Water Level Fluctuation in November 2014 with respect to Decadal Mean (Nov 04-2013) 2014

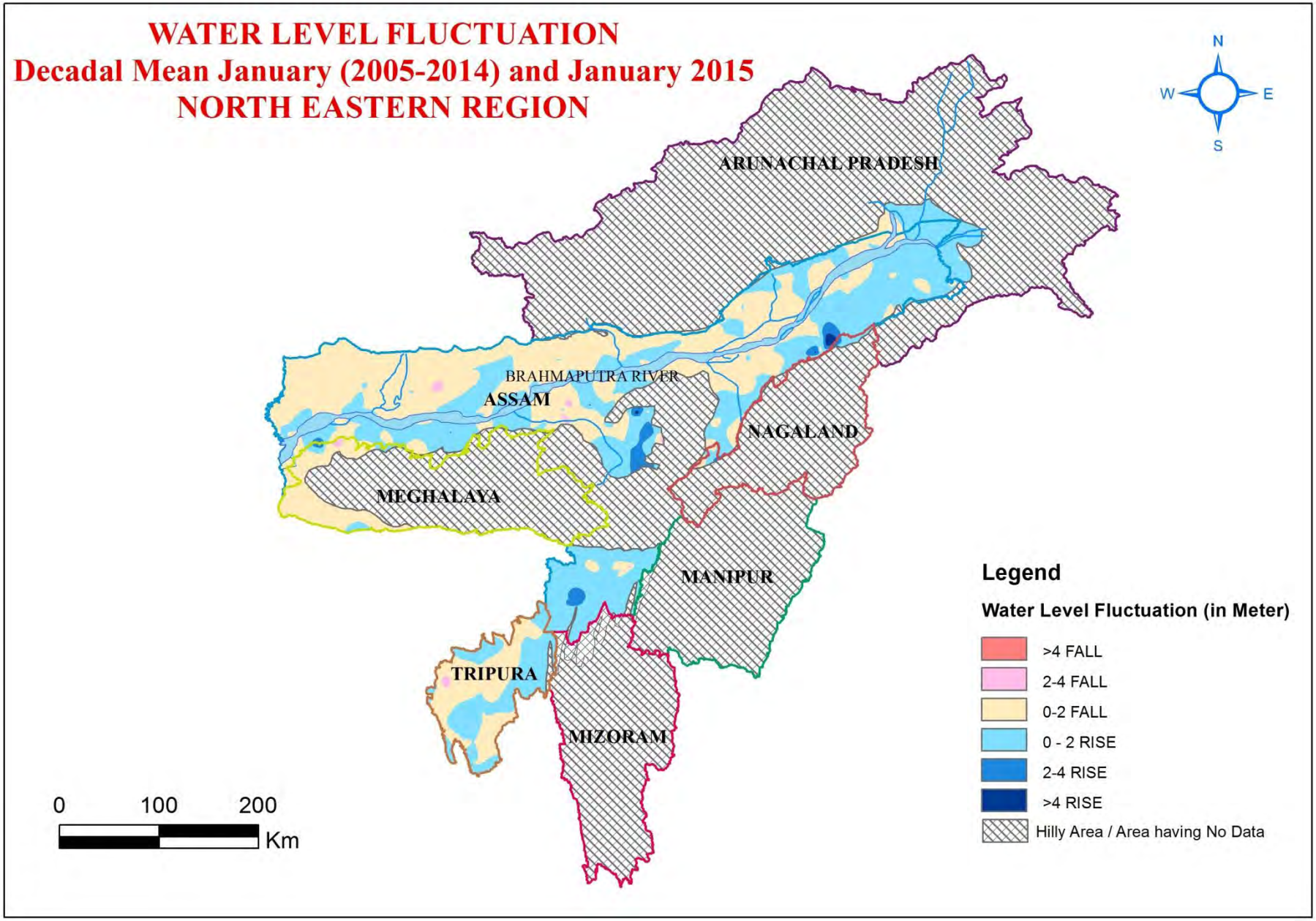

Fig.21Water Level Fluctuation in January 2015 with respect to Decadal Mean (Jan 05-2014) 2014

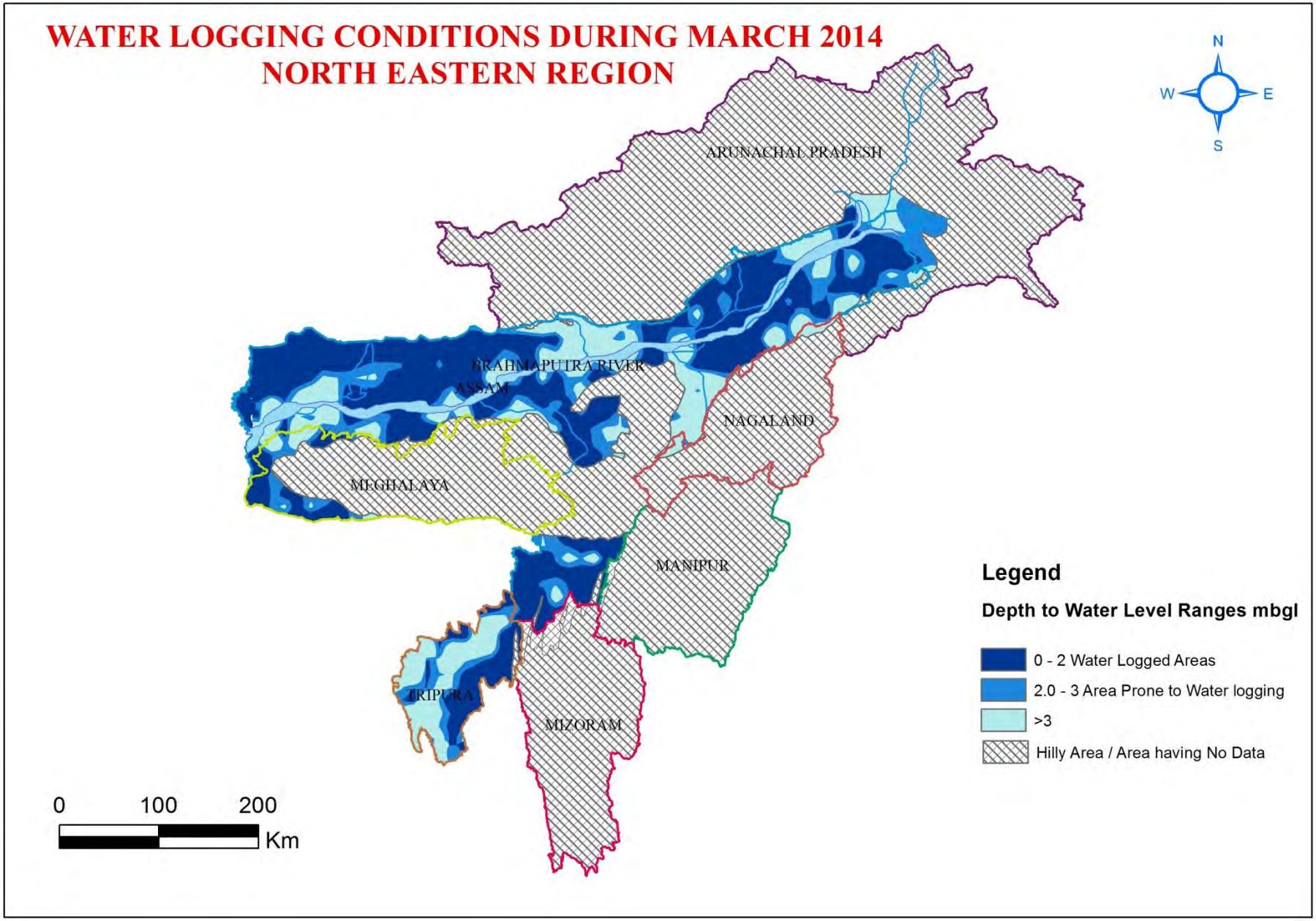

Fig.22Water Logging Condition during Pre Monsoon (March 2014)

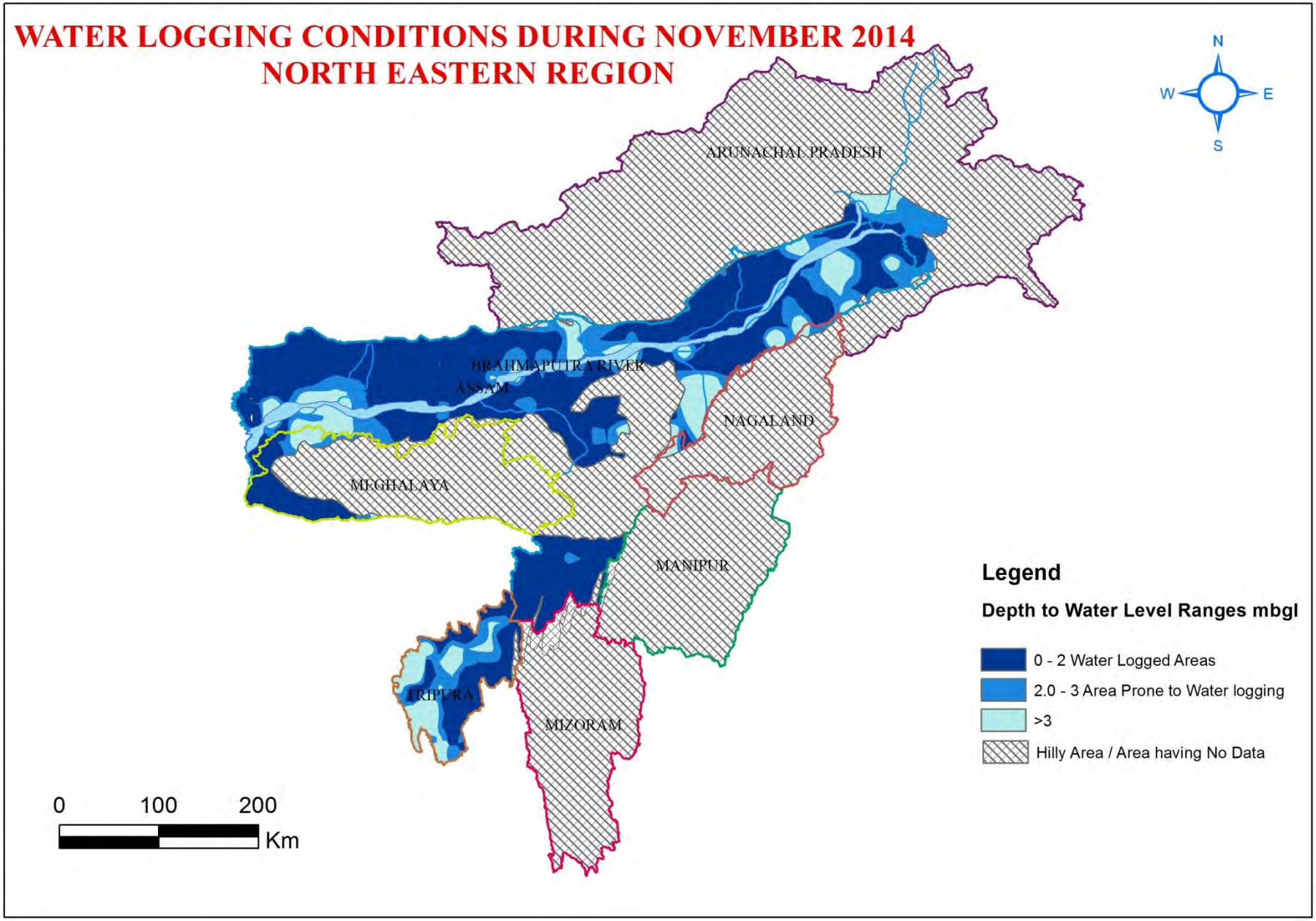

Fig.23Water Logging Condition during Post Monsoon(November 2014)

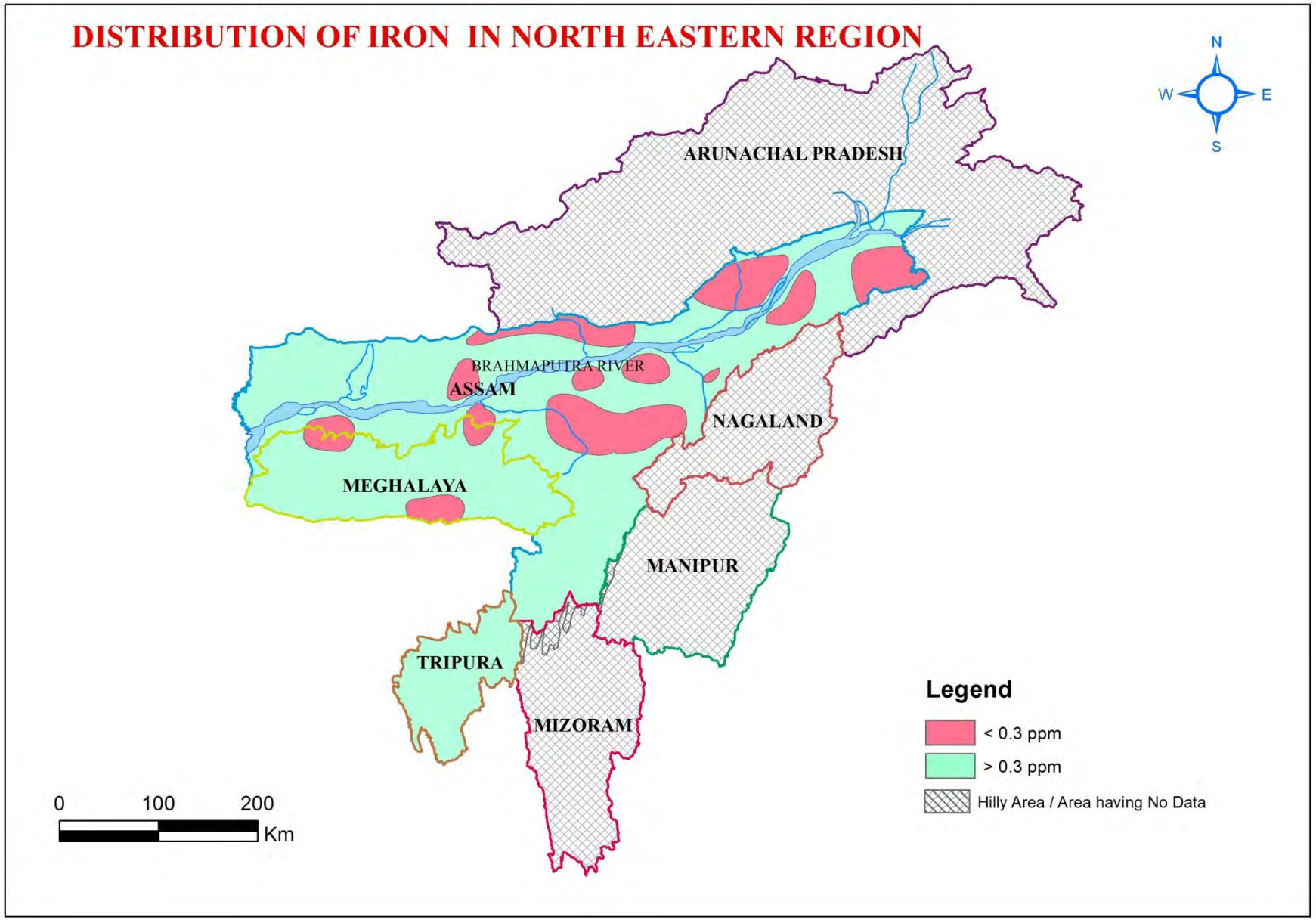

Fig.24 Distribution of Iron in North Eastern Region

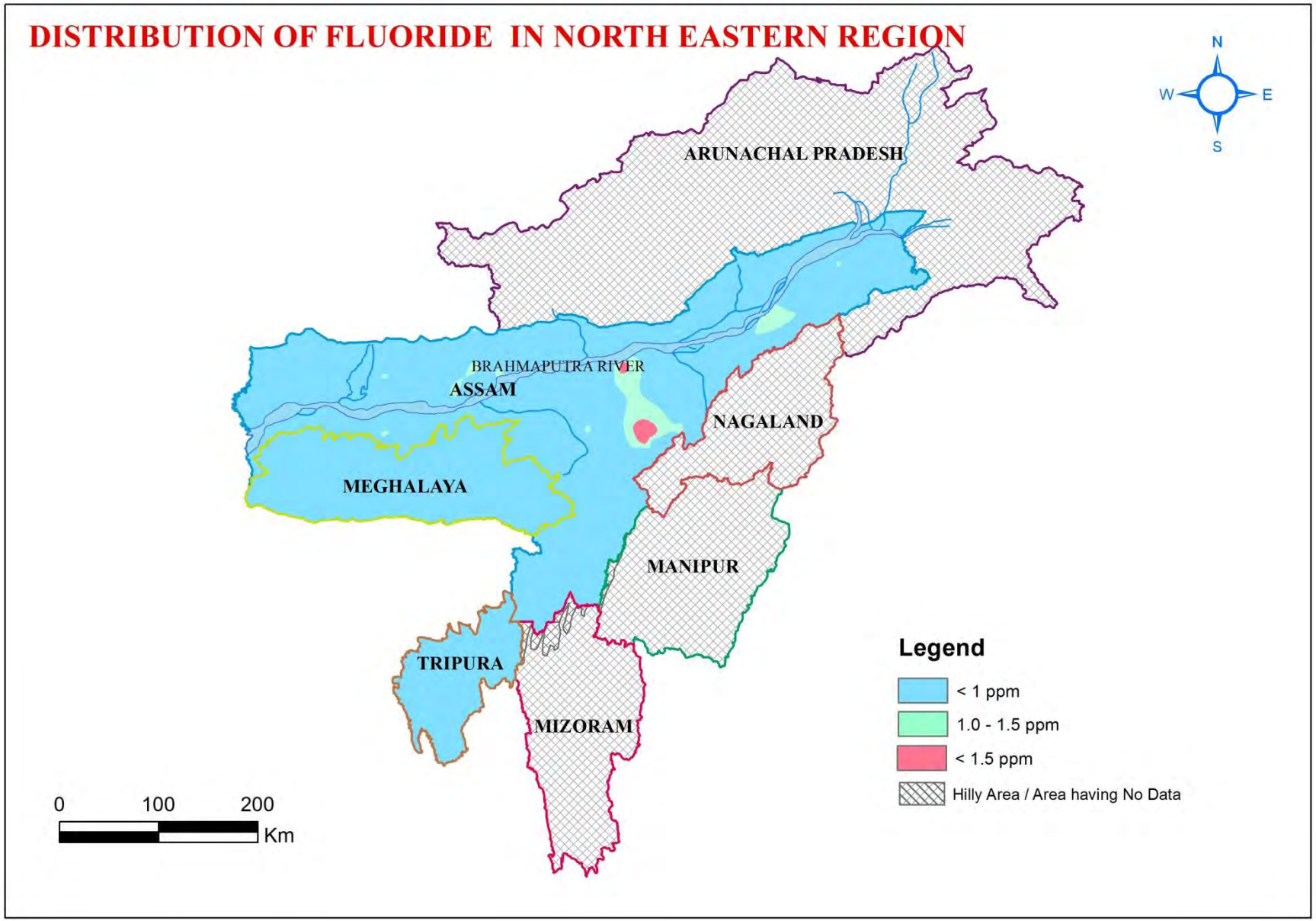

Fig.25 Distribution of Fluoride in North Eastern Region

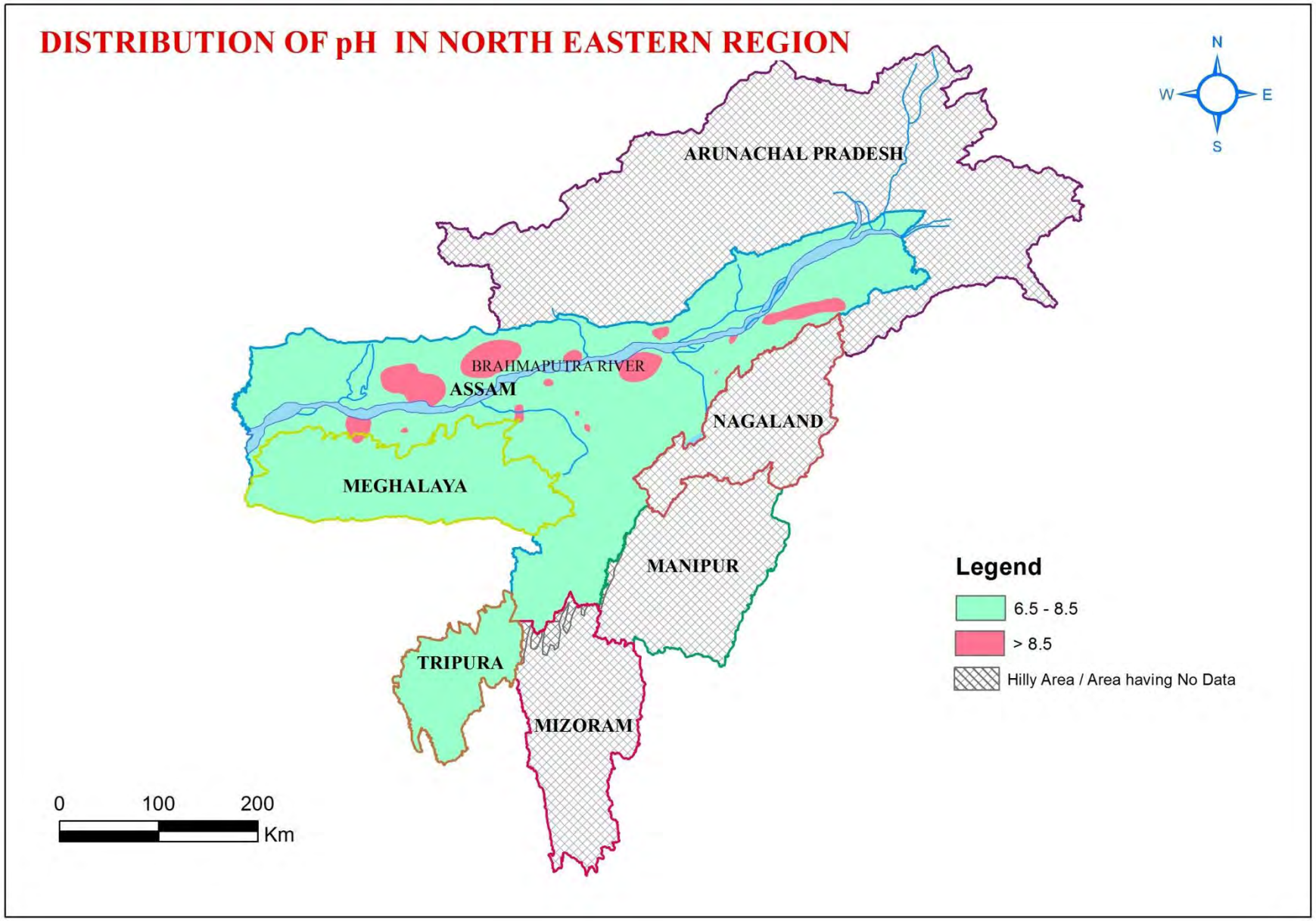

Fig.26 Distribution of pH in North Eastern Region

ANNEXURE-I

DETAILS OF GROUND WATER MONITORING WELLS IN NORTH EASTERN REGION

Village	Well No	Well Type	Latitude	Longitude	MP magl	RL mamsl	Geology	Basin
State:Arunachal Pradesh								
District:Changlang								
Jairampur	92A4A1	Dug	27°12'30"	96°02'30"	1.10	185.65	Alluvium	Brahmaputra
Namchik	92A3A1	Dug	27°25'00"	96°02'45"	1.20	162.32	Alluvium	Brahmaputra
Namphai	92A3A2	Dug	27°27'30"	96°06'30"	0.70	199.15	Alluvium	Brahmaputra
Newlisan Kharsang	92A2A1	Dug	27°30'00"	96°08'00"	1.00	999.00	Alluvium	Brahmaputra
District:East Siang								
Berung	83M1B4	Dug	27°59'11"	95°20'06"	0.78		Alluvium	Brahmaputra
Oyen	ARES12	Dug	27°52'32"	95°18'41"		125.00	Alluvium	Brahmaputra
Pasighat- III	ARES16	Dug	27°03'52"	95°18'37"	0.70	188.00	Alluvium	Brahmaputra
Pasighat New	ARES02A	Dug	28°09'05"	95°17'45"	0.29	158.00	Alluvium	Brahmaputra
Pasighat-II	ARES15	Dug	28°03'03"	95°20'10"	0.70	153.00	Alluvium	Brahmaputra
Ruksin	ARES11	Dug	27°50'16"	95°12'32"	0.95	121.00	Alluvium	Brahmaputra
Sika Baman Todee	ARES14	Dug	27°54'48"	95°20'37"	0.91	130.00	Alluvium	Brahmaputra
District: Lohit								
Lathow	83M2D1	Dug	27°40'00"	95°52'30"	0.86	143.25	Alluvium	Brahmaputra
District : Papumpare								
Banderedewa I	ARPP04	Dug	27°06'19"	93°49'33"	0.57		Alluvium	Brahmaputra
Chimpu	ARPP13	Dug	27°06'01"	93°42'00"	0.38		Sandstone	Brahmaputra
Itanagar I	ARPP10	Dug	27°06'14"	93°38'30"	0.80		Alluvium	Brahmaputra
Itanagar II	ARPP11	Dug	27°05'34"	93°37'29"	1.50		Alluvium	Brahmaputra
Kimin	83E3D2	Dug	27°18'30"	93°58'10"	0.95	150.05	Alluvium	Brahmaputra
Naharlagun I	ARPP08	Dug	27°06'11"	93°41'41"	0.55		Alluvium	Brahmaputra
Nirjuli Vill IIA	ARPP06	Dug	27°07'52"	93°43'59"	0.80		Alluvium	Brahmaputra
Nirjuli Vill IIB	ARPP07	Dug	27°07'48"	93°44'01"	1.02		Alluvium	Brahmaputra
Sonajuli	83E4C1	Dug	27°02'45"	93°41'15"	0.62	117.23	Alluvium	Brahmaputra
District: Tirap								
Borduria	83M4B3	Dug	27°01'00"	95°28'00"	0.98	229.74	Alluvium	Brahmaputra
Deomali	83M4C1	Dug	27°12'00"	95°31'30"	0.87	148.86	Alluvium	Brahmaputra
Hukanjuri	83M4B4	Dug	27°00'30"	95°28'00"	0.82	239.35	Alluvium	Brahmaputra
State: Assam								
District: Baksha								
Barama	78N2B3	Dug	26°31'30"	91°22'04"	0.64	53.13	Alluvium	Brahmaputra
Jhargaon	ASBS01	Dug	26°35'00"	91°35'15"	0.95		Alluvium	Brahmaputra
District: Barpeta								
Bhawanipur	78N3A1	Dug	26°29'05"	91°04'00"	0.74	48.10	Alluvium	Brahmaputra
Bhawanipur TW	ASBP17	Pz	26°28'00"	91°04'25"	0.30		Alluvium	Brahmaputra
Daulasal	ASBP14	Dug	26°16'06"	91°14'03"	1.07		Alluvium	Brahmaputra
Daulasal OW	ASBP15	Pz	26°16'08"	91°13'17"	0.80		Alluvium	Brahmaputra
Dhupguri(Galia)	ASBP13	Dug	26°25'30"	91°02'00"	0.98		Alluvium	Brahmaputra
Goraimari	78N2A4	Dug	26°36'40"	91°07'00"	0.60		Alluvium	Brahmaputra
Hastinapur	78N2A5	Dug	26°30'05"	91°07'10"	0.79		Alluvium	Brahmaputra
Hudukata	78N2A3	Dug	26°36'10"	91°06'20"	0.99		Alluvium	Brahmaputra
Nityanada OW	ASBP18	Pz	26°33'07"	91°12'52"	0.70		Alluvium	Brahmaputra
Patacharkuchi	ASBP16	Pz	26°30'20"	91°14'51"	1.00		Alluvium	Brahmaputra
Sarupeta	78N3A6	Dug	26°29'55"	91°04'30"	0.76		Alluvium	Brahmaputra

Village	Well No	Well Type	Latitude	Longitude	MP magl	RL mamsl	Geology	Basin
Simla	78N2A1	Dug	26°41'00"	91°13'00"	0.97	53.11	Alluvium	Brahmaputra
Sorbhog	78J3D4	Dug	26°28'30"	90°54'10"	0.82		Alluvium	Brahmaputra
Ujanborbori	78N2A2	Dug	26°36'00"	91°06'00"	1.20	51.46	Alluvium	Brahmaputra
District: Bongaigaon								
Abhayapuri	78J3C2	Dug	26°22'00"	90°38'00"	1.04	38.94	Alluvium	Brahmaputra
Baitamari	78J3C1	Dug	26°22'00"	90°34'00"	0.86	44.45	Alluvium	Brahmaputra
Bijni	78J3C5	Dug	26°29'30"	90°42'30"	0.90		Alluvium	Brahmaputra
Bongaigaon New	78J3C9	Dug	26°29'30"	90°33'00"	0.83		Alluvium	Brahmaputra
Chalantapara	78J3C4	Dug	26°16'00"	90°35'30"	1.10		Alluvium	Brahmaputra
Chaprakata	78J3C7	Dug	26°29'20"	90°37'00"	0.92		Alluvium	Brahmaputra
Chaprakata (Dankinamari)	ASBN10	Dug	26°29'14"	90°38'00"	0.65		Alluvium	Brahmaputra
Majgaon	ASBN11	Dug	26°25'08"	90°35'27"	0.90		Alluvium	Brahmaputra
Manikpur	78J3D1	Dug	26°28'00"	90°46'30"	1.00	43.88	Alluvium	Brahmaputra
Medhipara(Deo)	78J3C6	Dug	26°18'25"	90°39'15"	0.44		Alluvium	Brahmaputra
North salmara	78J3C8	Dug	26°21'30"	90°37'00"	0.65		Alluvium	Brahmaputra
District: Cachar								
Atalbasti	ASCR35	Dug			0.86		Alluvium	Meghna
Badribasti	83D1D7	Dug	24°48'35"	92°53'30"	1.00	22.28	Alluvium	Meghna
Badribasti OW	83D1D8	Pz	24°48'37"	92°53'28"	0.50	21.74	Sandstone	Meghna
Borjalinga	83D2D1	Dug	24°33'30"	92°48'00"	1.00	21.39	Alluvium	Meghna
Borkhola	83D1C8	Dug	24°56'20"	92°44'30"	0.65	21.03	Alluvium	Meghna
Dargakuna	ASCR25	Dug	24°41'47"	92°45'28"	0.73		Alluvium	Meghna
Digharkhal	83D1C3	Dug	24°59'20"	92°30'00"	0.85	22.74	Alluvium	Meghna
Fulertol	ASCR37	Dug			0.70		Alluvium	Meghna
Ghungoor TW	83D1D10	Pz	24°47'20"	92°47'54"	0.61	26.62	Sandstone	Meghna
Gosaipur Part-II	ASCR34	Dug			0.92		Alluvium	Meghna
Hilara	ASCR26	Dug	24°55'65"	92°35'43"	0.58	15.00	Alluvium	Meghna
Kalain	83D1C14	Dug	24°58'20"	92°35'00"	0.60	18.72	Alluvium	Meghna
Kalain PZ	83D1C13	Pz	24°57'30"	92°35'05"	0.51	18.22	Sandstone	Meghna
Kashipur	ASCR31	Dug			0.94		Alluvium	Meghna
Katigora	ASCR27	Dug			0.85		Alluvium	Brahmaputra
Masimpur	ASCR23	Dug			0.60		Alluvium	Brahmaputra
Moinarbond	83D1D6	Dug	24°52'47"	92°53'05"	1.00		Alluvium	Meghna
Nagdirgram	ASCR39	Dug	24°40'48"	92°52'48"	0.65		Alluvium	Meghna
Poilapul	83H1A9	Dug	24°50'10"	93°01'55"	0.85	27.00	Alluvium	Meghna
Razabazar	83H1A7	Dug	24°52'00"	93°03'00"	0.75		Alluvium	Meghna
Shivachal	ASCR28	Dug	24°49'55"	92°43'56"	0.75		Alluvium	Meghna
Shivtila	83H1A4	Dug	24°50'00"	93°00'15"	0.85	25.42	Alluvium	Meghna
Silcoorie	ASCR38	Dug	24°43'06"	92°46'37"	0.85		Sandstone	Meghna
Silkuri Pz	83D2D3	Pz	24°43'00"	92°47'00"	0.74	20.00	Sandstone	Meghna
Tarapur	ASCR32	Dug			1.15		Alluvium	Meghna
District: Darrang								
Amjuli colony	78N1D2	Dug	26°49'00"	91°59'20"	0.75	179.18	Alluvium	Brahmaputra
Bengbari	78N2D10	Dug	26°43'25"	91°59'00"	1.00	104.88	Alluvium	Brahmaputra
Bhakatpara Ow	ASDR33	Pz	26°32'20"	91°05'40"	0.65		Alluvium	Brahmaputra
Bhalukmari-I	83B2A7	Dug	26°41'55"	92°13'50"	0.82		Alluvium	Brahmaputra
Chamuapara	83B3A2	Dug	26°29'00"	92°00'06"	1.00	61.40	Alluvium	Brahmaputra
Dalgaon	83B2A2	Dug	26°33'03"	92°12'30"	0.73	68.48	Alluvium	Brahmaputra
Dharmajuli TG	78N2D5	Dug	26°44'00"	91°45'20"	1.26	120.11	Alluvium	Brahmaputra
Dimakuchi	78N2D7	Dug	26°44'50"	91°50'00"	1.34	123.77	Alluvium	Brahmaputra

Village	Well No	Well Type	Latitude	Longitude	MP magl	RL mamsl	Geology	Basin
Dingdongpara	78N2D8	Dug	26°42'30"	91°50'30"	1.04	98.74	Alluvium	Brahmaputra
Gelabil (Thelamara)	83B2B6	Dug	26°42'50"	92°17'45"	0.73		Alluvium	Brahmaputra
Goroibari	ASDR31	Dug	26°45'05"	92°08'30"	0.46		Alluvium	Brahmaputra
Hatitopagaon	83B1B1	Dug	26°50'41"	92°19'16"	0.76	140.86	Alluvium	Brahmaputra
Kalaigaon	78N2D3	Dug	26°34'30"	91°54'00"	0.77	69.22	Alluvium	Brahmaputra
Kendurtal	78N2D11	Dug	26°36'00"	91°56'00"	1.27	69.00	Alluvium	Brahmaputra
Khoirabari	78N2D6	Dug	26°36'20"	91°49'00"	1.09	75.54	Alluvium	Brahmaputra
Madanpur OW	ASKM55	Pz	26°43'12"	91°16'07"	0.87		Alluvium	Brahmaputra
Madhupur	83B2A6	Dug	26°36'10"	92°14'20"	0.75		Alluvium	Brahmaputra
Majgaon OW	ASDR34	Pz	26°28'30"	92°04'56"	0.55		Alluvium	Brahmaputra
Mangaldoi	83B3A1	Dug	26°26'00"	92°02'00"	0.65	55.59	Alluvium	Brahmaputra
Mangaldoi II	83B3A3	Dug	26°25'48"	92°01'15"	0.83	56.07	Alluvium	Brahmaputra
Nij Ghagrapar	78N1D1	Dug	26°45'10"	91°58'30"	0.82	117.20	Alluvium	Brahmaputra
Orang	83B2B1	Dug	26°42'50"	92°19'30"	0.65	85.17	Alluvium	Brahmaputra
Paneri	78N2D9	Dug	26°43'15"	91°55'00"	0.95	106.68	Alluvium	Brahmaputra
Paneri TG	78N2D1	Dug	26°45'00"	91°55'00"	0.69	128.47	Alluvium	Brahmaputra
Rowta chariali	83B2A3	Dug	26°42'02"	92°13'00"	0.82	100.83	Alluvium	Brahmaputra
Sinnangpara	83B2A5	Dug	26°40'00"	92°03'00"	0.95	92.35	Alluvium	Brahmaputra
Thekerabari .1	83B2A1	Dug	26°30'00"	92°07'30"	0.91	59.88	Alluvium	Brahmaputra
Udalguri	83B2A4	Dug	26°45'00"	92°06'30"	0.84	107.86	Alluvium	Brahmaputra
District: Dhemaji								
Akajan	83I2D1	Dug	27°31'30"	94°46'00"	1.10	105.66	Alluvium	Brahmaputra
Bhagaban charali	83I2D2	Dug	27°38'15"	94°47'44"	1.05		Alluvium	Brahmaputra
Bijoypur	83M1A3	Dug	27°45'10"	95°08'20"	1.00	122.29	Alluvium	Brahmaputra
Bokabil Ow	ASDM24	Pz	27°29'50"	94°32'30"	0.80		Alluvium	Brahmaputra
Bordoloni	83I3B1	Dug	27°24'30"	94°24'00"	1.25	95.12	Alluvium	Brahmaputra
Chengali Pather Ow	ASDM23	Pz	27°26'10"	94°31'30"	0.76		Alluvium	Brahmaputra
Dekapam	ASDM21	Dug	27°44'57"	94°55'20"	0.50	140.00	Alluvium	Brahmaputra
Dhakuakhana1	ASDM07	Dug	27°12'16"	94°51'21"	0.73		Alluvium	Brahmaputra
Dhemaji 1	83I3C1	Dug	27°30'00"	94°32'40"	0.99	102.41	Alluvium	Brahmaputra
Dhemaji 2	ASDM 23	Dug	27°30'42"	94°35'16"	1.21	89.00	Alluvium	Brahmaputra
Dipa	83I2D3	Dug	27°42'10"	94°51'21"	0.95		Alluvium	Brahmaputra
Ghilamara	ASDM11	Dug	27°18'28"	94°27'05"	0.86		Alluvium	Brahmaputra
Ghilamara Ow	ASDM26	Pz	27°18'28"	94°27'05"	0.80		Alluvium	Brahmaputra
Gogamukh Hss Ow	ASDM25	Pz	27°25'50"	94°15'45"	0.76		Alluvium	Brahmaputra
Jamuguri	83F1D3	Dug	26°53'00"	93°46'00"	0.37	83.44	Alluvium	Brahmaputra
Jonai murkongselek	83M1A1	Dug	27°50'12"	95°08'48"	0.80	124.36	Alluvium	Brahmaputra
Silapathar	83I2C1	Dug	27°32'50"	94°41'00"	0.98	114.68	Alluvium	Brahmaputra
Simen Chapori	ASDM22	Dug	27°43'30"	94°52'55"	1.17	129.00	Alluvium	Brahmaputra
Siripani	83I2C3	Dug	27°34'58"	94°39'00"	0.45		Alluvium	Brahmaputra
Sisibargaon	83I2C2	Dug	27°32'30"	94°43'20"	0.97	108.21	Alluvium	Brahmaputra
Telem	83M2A1	Dug	27°42'45"	95°03'20"	1.01	126.98	Alluvium	Brahmaputra
District: Dhubri								
Bagaribari	78J4A4	Dug	26°12'10"	90°08'20"	0.81		Gneiss	Brahmaputra
Bahalpur	78J3B4	Dug	26°18'34"	90°27'52"	1.00		Alluvium	Brahmaputra
Balajan	ASDH15	Dug	26°05'50"	89°53'13"	0.83		Alluvium	Brahmaputra
Bilasipara	78J4A1	Dug	26°13'00"	90°14'30"	0.85	34.90	Alluvium	Brahmaputra
Chapar	78J3B2	Dug	26°16'18"	90°27'36"	0.90		Alluvium	Brahmaputra
Civil Hospital	ASDH18	Pz	26°10'12"	89°51'44"	0.87		Alluvium	Brahmaputra
Dakhin Tokesara	ASDH16	Dug	26°06'12"	89°50'13"	1.36		Alluvium	Brahmaputra

Village	Well No	Well Type	Latitude	Longitude	MP magl	RL mamsl	Geology	Basin
Dhubri Town	78F4D4	Dug	26°01'00"	89°59'00"	1.00		Alluvium	Brahmaputra
Matabag	ASDH19	Pz	26°06'00"	89°59'00"	0.73		Alluvium	Brahmaputra
Moterjhar	ASDH17	Dug	26°07'40"	89°52'30"	0.81		Alluvium	Brahmaputra
Panbari	78J4A2	Dug	26°09'00"	90°03'00"	0.86	44.20	Gneiss	Brahmaputra
Rupshi	78F4D3	Dug	26°03'59"	89°49'45"	0.90		Alluvium	Brahmaputra
Shapamari Beat	ASDH13	Dug	26°13'30"	90°21'30"	0.91		Alluvium	Brahmaputra
Sonamukhi	ASDH14	Dug	26°12'05"	90°18'30"	0.35		Alluvium	Brahmaputra
Tamarhat	78F4D2	Dug	26°11'30"	89°52'00"	0.80	36.76	Alluvium	Brahmaputra
Tipkai	78J3A2	Dug	26°17'00"	90°03'00"	0.66		Alluvium	Brahmaputra
District: Dibrugarh								
AMC Campus	ASDB14	Pz	27°02'14"	94°02'14"	0.66		Alluvium	Brahmaputra
Azarguri gaon	83I3D4	Dug	27°19'00"	94°57'00"	0.64	100.51	Alluvium	Brahmaputra
Bamunbari	83I4D4	Dug	27°14'46"	94°59'35"	0.80		Alluvium	Brahmaputra
Barbaruah	83I3D6	Dug	27°23'55"	94°52'55"	1.05		Alluvium	Brahmaputra
Chabua	83M3A2	Dug	27°29'15"	95°11'30"	0.59	115.14	Alluvium	Brahmaputra
Dibrugarh	83I3D1	Dug	27°29'00"	94°54'30"	0.56	105.29	Alluvium	Brahmaputra
Dikom	83M3A1	Dug	27°28'00"	95°04'05"	0.68	109.94	Alluvium	Brahmaputra
Dirialgaon Pz	83M4B6	Pz	27°13'58"	95°22'09"	0.40		Alluvium	Brahmaputra
Domar Dolong Tw	ASDB12	Pz	27°12'50"	94°57'00"	1.00		Alluvium	Brahmaputra
Jaipur Naharani	83M3A4	Dug	27°15'18"	95°14'17"	0.80		Alluvium	Brahmaputra
Lepetkata	ASDB13	Dug	27°22'20"	94°52'22"	0.80	86.00	Alluvium	Brahmaputra
Melengial PWSS	ASDB15	Pz	27°02'14"	95°26'34"	0.82		Alluvium	Brahmaputra
District: Goalpara								
Agia1	78J4C3	Dug	26°06'40"	90°32'55"	0.95		Alluvium	Brahmaputra
Agia2	ASGP21	Dug	26°04'56"	90°32'59"	0.65		Alluvium	Brahmaputra
Baida	78J4B3	Dug	26°02'00"	90°25'30"	0.90	38.22	Gneiss	Brahmaputra
Bhalukdubi (Goalpara)	ASGP15	Dug	25°44'16"	90°49'21"	0.80		Alluvium	Brahmaputra
Damra	78K1D8	Dug	25°55'50"	90°46'37"	0.90		Alluvium	Brahmaputra
Dhupdhara	78O1A2	Dug	25°56'40"	91°04'00"	0.57	46.95	Alluvium	Brahmaputra
Dudhnai	78K1D1	Dug	25°58'51"	90°48'15"	0.95	49.20	Alluvium	Brahmaputra
Dudhnoi II	ASGP17	Dug	25°57'07"	90°46'23"	0.75		Alluvium	Brahmaputra
Dwarka	ASGP19	Dug	25°03'24"	90°29'43"	0.90		Alluvium	Brahmaputra
Goalpara Town	78J4C4	Dug	26°10'42"	90°38'04"	0.86		Alluvium	Brahmaputra
Khutabari	78N4A1	Dug	26°01'40"	91°04'30"	1.00	43.41	Alluvium	Brahmaputra
Krishnai	78J4C1	Dug	26°02'00"	90°40'30"	1.10	45.28	Alluvium	Brahmaputra
Lakhipur	78J4B1	Dug	26°04'30"	90°18'00"	0.95	32.16	Alluvium	Brahmaputra
Matia	78J4D1	Dug	26°05'40"	90°46'20"	0.60	37.90	Alluvium	Brahmaputra
Narangbari Pz	78J4B2	Pz	26°04'30"	90°25'30"	0.58	32.41	Alluvium	Brahmaputra
Pattarpara	ASGP22	Dug	25°58'04"	90°54'23"	0.70		Alluvium	Brahmaputra
Rongjuli	78K1D2	Dug	25°58'10"	90°56'40"	0.70	45.51	Alluvium	Brahmaputra
Salpara	ASGP16	Dug	26°00'46"	90°42'03"	0.70		Alluvium	Brahmaputra
Sarapara	ASGP23	Dug	25°58'17"	90°57'09"	0.85		Alluvium	Brahmaputra
Teuli	ASGP20	Dug	26°04'24"	90°37'47"	0.60		Alluvium	Brahmaputra
District: Golaghat								
Balibat	ASGL09	Dug			0.20	75.00	Alluvium	Brahmaputra
Bokakhat1	ASGL12	Dug	26°38'14"	93°37'40"	0.70		Alluvium	Brahmaputra
Bongaon	ASGL11	Dug	26°39'23"	93°48'09"	0.66		Alluvium	Brahmaputra
Dhalaguri	ASGL14	Dug	26°31'48"	93°51'11"	0.72		Alluvium	Brahmaputra
Gaghibari Namghar	ASGL10	Dug	26°31'38"	94°02'35"	0.82		Alluvium	Brahmaputra
Garampani	ASGL15	Dug	26°23'34"	93°52'49"	0.75		Alluvium	Brahmaputra

Village	Well No	Well Type	Latitude	Longitude	MP magl	RL mamsl	Geology	Basin
Golaghat	83F2D1	Dug	26°32'00"	93°59'00"	0.85	93.11	Alluvium	Brahmaputra
Haldibari Buri Ai	ASGL13	Dug	26°35'09"	93°19'33"			Alluvium	Brahmaputra
Kamargaon1	83F2C1	Dug	26°38'00"	93°43'00"	0.98	79.91	Alluvium	Brahmaputra
Kohra kaziranga	83F2B1	Dug	26°37'00"	93°27'30"	1.10	81.44	Alluvium	Brahmaputra
Oating	83J3A1	Dug	26°26'00"	94°00'30"	0.75	109.06	Alluvium	Brahmaputra
District: Hailakandi								
Burakhai	ASHL08	Dug			0.80		Alluvium	Meghna
Katlicherra N	ASHL02A	Dug	24°27'05"	92°37'10"	0.20	31.54	Alluvium	Meghna
Monacherra	83D2C3	Pz	24°36'45"	92°33'15"	0.89	22.62	Sandstone	Meghna
Panchgram New	ASHL05A	Dug	24°51'30"	92°36'02"	0.90		Alluvium	Meghna
Syedband Part II	ASHL01A	Dug	24°43'39"	94°35'00"	0.90		Alluvium	Meghna
District: Jorhat								
Chandan Nagar	ASJR23	Dug	26°44'30"	94°12'56"	0.38		Alluvium	Brahmaputra
Chengal Ati	ASJR24	Dug	26°48'00"	94°05'04"	0.60		Alluvium	Brahmaputra
Chutuyakari	ASJR31	Dug	26°42'25"	94°10'34"	0.76		Alluvium	Brahmaputra
Cinamara Tinali	ASJR27	Dug	26°42'38"	94°13'57"	0.86		Alluvium	Brahmaputra
Cinemora	ASJR18	Dug	26°42'34"	94°12'59"	0.53		Alluvium	Brahmaputra
Dabarapara charali	83J2B3	Dug	26°40'00"	94°20'30"	0.85	84.15	Alluvium	Brahmaputra
Dahotia	ASJR29	Dug	26°43'17"	94°07'22"	0.75		Alluvium	Brahmaputra
Kokilamukh	83J1A3	Dug	26°49'07"	94°10'18"	0.51		Alluvium	Brahmaputra
Kolakhowa	ASJR20	Dug	26°46'48"	94°13'28"	0.67	44.63	Alluvium	Brahmaputra
Lichubari	ASJR21	Dug	26°43'38"	94°12'38"	0.92		Alluvium	Brahmaputra
Mariani	83J2B4	Dug	26°33'30"	94°19'30"	0.90	115.05	Alluvium	Brahmaputra
Meleng Kaparadharia	ASJR28	Dug	26°47'25"	94°18'08"	0.75		Alluvium	Brahmaputra
Nefa Tiniali	ASJR30	Dug	26°43'30"	94°11'36"	0.82	25.40	Alluvium	Brahmaputra
Rajoi TG	83J2B5	Dug	26°44'00"	94°20'00"	0.85	48.59	Alluvium	Brahmaputra
Rangajan PHE Sc	ASJR26	Dug	26°38'21"	94°12'58"	0.80	21.27	Alluvium	Brahmaputra
Saklatinga TGI	83J2A11	Dug	26°43'12"	94°03'24"	0.90		Alluvium	Brahmaputra
Saruhoj	ASJR19	Dug	26°43'12"	94°21'15"	0.82		Alluvium	Brahmaputra
Selenghat	83J2B2	Dug	26°42'30"	94°30'00"	1.05	97.03	Alluvium	Brahmaputra
Sodial Kacharigaon	ASJR22	Dug	26°30'24"	94°09'25"	1.08		Alluvium	Brahmaputra
Tipamia	83J2A6	Dug	26°32'00"	94°11'00"	0.50	100.77	Alluvium	Brahmaputra
Titabor	83J2A7	Dug	26°30'00"	94°05'30"	0.35	96.59	Alluvium	Brahmaputra
District: Kamrup								
Abhaipur	ASKM44	Dug	26°15'15"	91°33'30"	0.90		Alluvium	Brahmaputra
Agyathuri	78N4C2	Dug	26°12'30"	91°37'30"	0.85	49.80	Alluvium	Brahmaputra
Alikash Adarsh	78N4C16	Dug	26°14'00"	91°37'00"	1.05		Alluvium	Brahmaputra
Amingaon	ASKM46	Dug	26°12'40"	91°41'32"	0.80		Alluvium	Brahmaputra
Azara	78N4C1	Dug	26°07'00"	91°30'00"	1.18	49.51	Alluvium	Brahmaputra
Bamfor	ASKM50	Dug	26°06'10"	92°08'31"	0.96		Alluvium	Brahmaputra
Bamunigaon1	78N4B3	Dug	26°01'15"	91°19'40"	0.70	51.67	Alluvium	Brahmaputra
Bamunigaon2	ASKM40	Dug	26°06'41"	91°17'54"	0.80		Alluvium	Brahmaputra
Boko1	ASKM39	Dug	25°59'42"	91°16'04"	0.75		Alluvium	Brahmaputra
Boragaon	78N4C7	Dug	26°05'00"	91°37'00"	0.90	46.81	Alluvium	Brahmaputra
Borghuli	78N2C3	Dug	26°31'00"	91°40'00"	1.48	61.59	Alluvium	Brahmaputra
Charani	ASKM48	Dug	26°30'05"	91°35'15"	0.85		Alluvium	Brahmaputra
Chhaygaon	ASKM41	Dug	26°02'28"	91°21'35"	0.90		Alluvium	Brahmaputra
Darkuchi	78N2C4	Dug	26°30'30"	91°36'00"	0.72	62.56	Alluvium	Brahmaputra
Dhobartari	ASKM45	Dug	26°15'30"	91°41'50"	0.81		Alluvium	Brahmaputra
Dirgheswari	78N4C12	Dug	26°14'18"	91°44'34"	0.93	50.73	Alluvium	Brahmaputra

Village	Well No	Well Type	Latitude	Longitude	MP magl	RL mamsl	Geology	Basin
Dora Kahara	ASKM47	Dug	26°17'30"	90°43'00"	0.62		Alluvium	Brahmaputra
Goreswar	78N2C2	Dug	26°31'55"	91°43'55"	0.60	60.44	Alluvium	Brahmaputra
Hajo	78N4C5	Dug	26°15'00"	91°32'00"	0.82	47.43	Alluvium	Brahmaputra
Hengulapara	78N3D3	Dug	26°29'30"	91°46'00"	0.78		Alluvium	Brahmaputra
Kachkatchi	ASKM49	Dug	26°06'37"	92°10'06"	0.61		Alluvium	Brahmaputra
Kahara	78N3C2	Dug	26°18'10"	91°43'07"	0.90	52.25	Alluvium	Brahmaputra
Kahilipara	78N4D7	Dug	26°08'00"	91°46'00"	0.75		Gneiss	Brahmaputra
Khanapara	78N4D3	Dug	26°07'15"	91°49'05"	0.75		Alluvium	Brahmaputra
Khetri	83B4A3	Dug	26°06'30"	92°04'30"	0.80	65.25	Alluvium	Brahmaputra
Khetri II	ASKM51	Dug	26°07'08"	92°06'06"	0.60		Alluvium	Brahmaputra
Maligaon	78N4C6	Dug	26°07'40"	91°37'40"	0.87	45.57	Alluvium	Brahmaputra
Mirza	ASKM42	Dug	26°05'35"	91°32'50"	0.80		Alluvium	Brahmaputra
Naokata	78N2C7	Dug	26°38'50"	91°44'00"	1.06	84.51	Alluvium	Brahmaputra
Paltan bazar	78N4C14	Dug	26°10'42"	91°45'23"	0.84		Alluvium	Brahmaputra
Panikhaiti	78N4D4	Dug	26°11'30"	91°53'00"	0.66	52.34	Alluvium	Brahmaputra
Pattarkuchi	78N4D1	Dug	26°07'00"	91°55'00"	0.63	67.37	Alluvium	Brahmaputra
Rajapara	78O1A3	Dug	25°56'39"	91°07'05"	0.80		Alluvium	Brahmaputra
Rangia Ow	ASKM54	Pz	26°27'45"	91°36'45"	0.45		Alluvium	Brahmaputra
Rani1	78N4C9	Dug	26°05'00"	91°40'00"	0.90	53.64	Alluvium	Brahmaputra
Rani2	ASKM43	Dug	26°03'55"	91°36'22"	0.85		Alluvium	Brahmaputra
Samanta Pathar	ASKM36A	Dug			0.92		Alluvium	Brahmaputra
Sonapur	83B4A2	Dug	26°07'00"	92°00'30"	0.85	61.71	Alluvium	Brahmaputra
Sonapur II	ASKM52	Dug	26°07'58"	91°58'48"	1.00		Alluvium	Brahmaputra
Sualkuchi	78N4C11	Dug	26°10'15"	91°35'05"	0.87		Alluvium	Brahmaputra
Taptoli New	ASKM35A	Dug			0.50		Alluvium	Brahmaputra
Topatoli	83B4A4	Dug	26°06'30"	92°07'00"	0.98	58.54	Alluvium	Brahmaputra
Umsiang Ow	ASKM53	Pz	25°44'03"	91°52'54"			Alluvium	Brahmaputra
Zoo narangi rd	78N4D2	Dug	26°10'30"	91°47'10"	1.04	59.22	Alluvium	Brahmaputra
District: Karbi Anglong								
Adarakha Tiniali	ASKA44	Dug	26°07'03"	93°47'06"	0.87		Alluvium	Brahmaputra
Balipathar	83F4D3	Dug	26°09'25"	93°48'00"	0.90	125.88	Alluvium	Brahmaputra
Boithalangsu	83C1C2	Dug	25°58'45"	92°36'19"	0.97	69.30	Alluvium	Brahmaputra
Bokajan I	ASKA41	Dug	26°08'32"	93°51'10"	0.75		Alluvium	Brahmaputra
Bokajan II	ASKA42	Dug	26°01'38"	93°45'48"	0.60		Alluvium	Brahmaputra
Bokoliaghat	ASKA34	Dug	26°03'49"	93°11'06"	1.00		Alluvium	Brahmaputra
Bokulia	83G1C3	Dug	25°52'30"	93°32'00"	0.69	104.78	Alluvium	Brahmaputra
Dengaon R10	ASKA33	Dug	26°13'21"	92°58'47"	0.95		Alluvium	Brahmaputra
Dengaon R5	83B4D7	Dug	26°11'36"	92°57'57"	0.93	82.84	Alluvium	Brahmaputra
Dentaghat	83F3A1	Dug	26°16'41"	93°08'19"	0.90	103.24	Alluvium	Brahmaputra
Deopani	83F4D4	Dug	26°13'15"	93°50'32"	1.05	116.16	Alluvium	Brahmaputra
Dillai	83G1C4	Dug	25°57'45"	93°35'06"	0.69		Alluvium	Brahmaputra
Diphu	83G1B1	Dug	25°50'30"	93°27'00"	0.79	183.60	Sandstone	Brahmaputra
Dishobai	ASKA35	Dug	26°03'49"	93°11'06"	0.67		Alluvium	Brahmaputra
Donkamokam	83C1C1	Dug	25°56'00"	92°42'31"	0.95	74.89	Alluvium	Brahmaputra
Ghouria Dhubi	ASKA43	Dug	26°00'17"	93°46'07"	0.80		Alluvium	Brahmaputra
Habranrangapar	83F4A7	Dug	26°13'15"	93°03'14"	0.95	90.25	Alluvium	Brahmaputra
Hapjan	83G1C1	Dug	25°54'10"	93°32'00"	0.82	148.35	Sandstone	Brahmaputra
Hawaipur	83C1D5	Dug	25°50'46"	92°57'53"	0.67	86.90	Alluvium	Brahmaputra
Kalonga	83C1D2	Dug	25°51'43"	92°46'06"	0.77	91.92	Alluvium	Brahmaputra
Khatkhati	83G1D3	Dug	25°58'38"	93°45'45"	0.79	139.16	Alluvium	Brahmaputra

Village	Well No	Well Type	Latitude	Longitude	MP magl	RL mamsl	Geology	Basin
Khatkhati CRBF	ASKA40	Dug	26°02'22"	93°36'24"	0.72		Alluvium	Brahmaputra
Kheronighat	83C1D3	Dug	25°50'49"	92°53'52"	0.88	79.87	Alluvium	Brahmaputra
Langhing	ASKA32	Dug	26°12'10"	93°08'01"	0.84		Alluvium	Brahmaputra
Manikpur	83F4A6	Dug	26°14'57"	93°09'04"	0.87	98.64	Alluvium	Brahmaputra
Manja Bus Stand	ASKA39	Dug	25°58'12"	93°26'14"	0.20		Alluvium	Brahmaputra
Manja Forest	83G1B2	Dug	25°57'25"	93°26'33"	0.90	161.05	Alluvium	Brahmaputra
Mohendijua	ASKA38	Dug	25°59'40"	93°24'39"	1.00		Alluvium	Brahmaputra
Phonglangso	ASKA36	Dug	26°00'34"	93°15'44"	0.92		Alluvium	Brahmaputra
Phuloni	83F4A2	Dug	26°10'56"	93°08'49"	0.94	90.56	Alluvium	Brahmaputra
Saphapani	ASKA45	Dug	26°11'48"	93°47'43"	0.89		Alluvium	Brahmaputra
Silanijan	83F3D1	Dug	26°19'00"	93°52'30"	0.80	106.35	Alluvium	Brahmaputra
Siljuri	83F2B2	Dug	26°32'30"	93°27'00"	0.71	79.78	Alluvium	Brahmaputra
Swarghati	ASKA31	Dug	26°12'10"	93°06'33"	0.63		Alluvium	Brahmaputra
Terangaon	ASKA37	Dug	26°01'02"	93°22'54"	1.00		Alluvium	Brahmaputra
District: Karimganj								
Badarpur	83D1C1	Dug	24°52'00"	92°34'00"	0.65	19.47	Alluvium	Meghna
Badarpur II	ASKG13	Dug	24°51'43"	92°33'39"	0.65		Alluvium	Meghna
Badarpur Pz	ASKG03	Dug	24°52'20"	92°35'10"	0.62		Alluvium	Meghna
Badarpur Pz	83D1C9	Pz	24°52'20"	92°35'10"	0.62	18.11	Sandstone	Meghna
Dhaulia	83D2B6	Dug	24°38'30"	92°21'15"	0.60	25.83	Alluvium	Meghna
Harinadik	ASKG14	Pz			1.00		Alluvium	Meghna
Hatikira	83D3B1	Dug	24°26'00"	92°17'30"	0.66	28.88	Sandstone	Meghna
Karmganj	ASKG15	Dug			0.90		Alluvium	Meghna
Kayasthagram	ASKG16	Dug					Alluvium	Meghna
Patharkandi	ASKG17	Dug					Alluvium	Meghna
Rk Nagar I	83D2B4	Dug	24°32'20"	92°29'00"	0.90	25.06	Sandstone	Meghna
Sarkaribari	83D2B7	Dug	24°33'45"	92°24'50"	0.85	19.22	Alluvium	Meghna
District: Kokrajhar								
Balemjhora	78F2D1	Dug	26°38'00"	89°53'30"	0.80	78.00	Alluvium	Brahmaputra
Bhowraguri	78J3A3	Dug	26°25'30"	90°04'30"	0.65		Alluvium	Brahmaputra
Bisumari	78J2B1	Dug	26°34'00"	90°18'00"	0.85	68.23	Alluvium	Brahmaputra
Borobazar	78J2C1	Dug	26°36'00"	90°40'48"	1.25		Alluvium	Brahmaputra
Deosiri	78J1B1	Dug	26°46'00"	90°28'00"	0.81	148.51	Alluvium	Brahmaputra
Dotma	78J3A1	Dug	26°29'30"	90°09'30"	0.83	51.65	Alluvium	Brahmaputra
Garubassa	78J2B5	Dug	26°33'30"	90°23'00"	0.86		Alluvium	Brahmaputra
Gossaigaon	78F3D1	Dug	26°26'30"	89°58'00"	1.15	47.29	Alluvium	Brahmaputra
Guma	78F3D2	Dug	26°21'48"	89°54'00"	1.20		Alluvium	Brahmaputra
Haltugaon	78J2C2	Dug	26°43'00"	90°34'00"	0.90		Alluvium	Brahmaputra
Kachugaon	78J2A1	Dug	26°34'00"	90°04'00"	0.65	57.28	Alluvium	Brahmaputra
Kokrajhar	78J3B1	Dug	26°22'45"	90°17'00"	1.00	44.69	Alluvium	Brahmaputra
Runikhata	78J2B2	Dug	26°38'00"	90°23'00"	1.20	81.78	Alluvium	Brahmaputra
Sataguri	ASKK20	Dug			1.35		Alluvium	Brahmaputra
Serfanguri	78J2A2	Dug	26°34'09"	90°09'00"	0.78		Alluvium	Brahmaputra
Sidli	78J2B6	Dug	26°32'00"	90°28'00"	0.71		Alluvium	Brahmaputra
Ultapani	78J1B2	Dug	26°49'30"	90°15'20"	1.20		Alluvium	Brahmaputra
District: Lakhimpur								
Amguri	ASLK23	Dug	26°53'00"	93°46'00"	1.00		Alluvium	Brahmaputra
Amsoi	ASLK01	Dug	27°02'00"	93°43'00"	0.37		Alluvium	Brahmaputra
Basudeothan	83I3B8	Dug	27°15'30"	94°21'30"	0.83	89.56	Alluvium	Brahmaputra
Bhogpur charali	83E4D1	Dug	27°02'00"	93°50'10"	0.82	91.71	Alluvium	Brahmaputra

Village	Well No	Well Type	Latitude	Longitude	MP magl	RL mamsl	Geology	Basin
Bihpuria	83E4D4	Dug	27°02'00"	93°54'30"	0.87	87.28	Alluvium	Brahmaputra
Boginadi(balijan)	83I3A1	Dug	27°23'23"	94°11'35"	0.83	96.87	Alluvium	Brahmaputra
Dejoo	ASLK24	Dug			1.03		Alluvium	Brahmaputra
Dholpur	83F1D1	Dug	26°54'00"	93°47'00"	0.69	81.53	Alluvium	Brahmaputra
Dolanghat chara	83I4A3	Dug	27°10'00"	94°00'00"	0.46	93.99	Alluvium	Brahmaputra
Dowagaon	83I4B2	Dug	27°13'30"	94°20'30"	1.25	90.66	Alluvium	Brahmaputra
Harmoti	83E4D6	Dug	27°07'21"	93°51'20"	1.00		Alluvium	Brahmaputra
Islampur	83E4D3	Dug	27°04'55"	93°54'00"	0.90	86.98	Alluvium	Brahmaputra
Kadam	83I3A3	Dug	27°17'40"	94°09'10"	0.75		Alluvium	Brahmaputra
Kakai	83I3A2	Dug	27°17'00"	94°06'45"	0.90	110.84	Alluvium	Brahmaputra
Laluk	83E4D2	Dug	27°07'30"	93°54'30"	1.12	93.96	Alluvium	Brahmaputra
Madhupur	ASLK22	Dug	27°19'20"	94°24'00"	0.90		Alluvium	Brahmaputra
Milanpur	ASLK26	Dug	27°26'14"	94°17'53"	0.80	98.00	Alluvium	Brahmaputra
N Lakhimpur Ow	ASLK27	Pz	27°11'56"	94°26'34"	0.65		Alluvium	Brahmaputra
N.lakhipur(old)	83I4A1	Dug	27°13'00"	94°06'30"	1.12	93.35	Alluvium	Brahmaputra
Naoboisa	83I4A4	Dug	27°10'07"	94°01'23"	0.91	93.46	Alluvium	Brahmaputra
Narayanpur	83F1D4	Dug	26°57'44"	93°51'26"	1.14	83.06	Alluvium	Brahmaputra
Panigaon	83I4A2	Dug	27°07'00"	94°06'42"	0.90	87.74	Alluvium	Brahmaputra
Pathalipam	83I3B6	Dug	27°26'30"	94°17'00"	0.99	100.92	Alluvium	Brahmaputra
Pathalipam II	ASLK25	Dug	27°26'39"	94°12'47"	0.96	65.00	Alluvium	Brahmaputra
District: Morigaon								
Baghara	83B4B2	Dug	26°11'01"	92°17'51"	0.92	60.22	Alluvium	Brahmaputra
Baropujia	ASMR14	Dug	26°16'28"	92°29'47"	0.98		Alluvium	Brahmaputra
Barukati Ow	ASMR23	Pz	26°24'30"	92°14'00"	0.72		Alluvium	Brahmaputra
Basanaghat Ow	ASMR19	Pz	26°08'30"	92°19'27"			Alluvium	Brahmaputra
Charibahi Ow	ASMR22	Pz	26°27'30"	92°17'30"	0.55		Alluvium	Brahmaputra
Daponibari Ow	ASMR18	Pz	26°14'44"	92°23'10"			Alluvium	Brahmaputra
Deosal	ASMR12	Dug			0.94		Alluvium	Brahmaputra
Garmari gaon	83B3A4	Dug	26°15'21"	92°13'46"	1.00		Alluvium	Brahmaputra
Jagibhagatgaon Ow	ASMR20	Pz	26°11'00"	91°14'20"	0.71		Alluvium	Brahmaputra
Jagiroad	83B4A1	Dug	26°07'00"	92°10'00"	0.62	65.24	Alluvium	Brahmaputra
Kumoi	ASMR15	Dug	26°11'38"	92°14'46"	1.13		Alluvium	Brahmaputra
Morigaon	83B3B10	Dug	26°15'41"	92°22'53"	0.92		Alluvium	Brahmaputra
Nasatra	83B4A5	Dug	26°13'30"	92°13'00"	1.00	58.80	Alluvium	Brahmaputra
Nelle New	ASMR11	Dug	26°57'45"	92°42'10"	0.84		Alluvium	Brahmaputra
Pabbarbhagia	ASMR24	Dug			0.84		Alluvium	Brahmaputra
Pamibahua	ASMR16	Dug	26°14'27"	92°15'50"	0.92		Alluvium	Brahmaputra
Shugumbari	ASMR17	Dug	26°25'24"	92°25'13"	1.20		Alluvium	Brahmaputra
Silsang Namghar	ASMR13	Dug			0.94		Alluvium	Brahmaputra
Solmari Ow	ASMR21	Pz	26°13'45"	92°23'00"	0.72		Alluvium	Brahmaputra
District: Nagaon								
Amsoi	83B4B5	Dug	26°08'16"	92°25'27"	0.77	65.77	Alluvium	Brahmaputra
Bagori	83F2A4	Dug	26°33'00"	93°15'00"	1.15	73.08	Alluvium	Brahmaputra
Balijan Ow	ASNG42	Pz	26°19'44"	92°51'07"			Alluvium	Brahmaputra
Bamuni tinali	83B3D9	Dug	26°18'00"	92°47'00"	1.41	58.82	Alluvium	Brahmaputra
Beldonga mandir	83B4D8	Dug	26°08'19"	92°49'20"	0.84	80.01	Alluvium	Brahmaputra
Bichamari	83B3B1	Dug	26°25'00"	92°27'30"	0.87	56.42	Alluvium	Brahmaputra
Borchukhaba	83B3B5	Dug	26°18'10"	92°25'40"	1.04	56.60	Alluvium	Brahmaputra
Bordowa	83B3C2	Dug	26°24'20"	92°32'30"	1.01	57.78	Alluvium	Brahmaputra
Dakhinpath OW	ASNG44	Pz	26°15'33"	92°38'38"	0.72		Alluvium	Brahmaputra

Village	Well No	Well Type	Latitude	Longitude	MP magl	RL mamsl	Geology	Basin
Dalapani	ASNG39	Dug	26°34'01"	92°51'44"	0.90		Alluvium	Brahmaputra
Dhing	83B3B6	Dug	26°29'00"	92°29'30"	0.49	60.15	Alluvium	Brahmaputra
Doboka	83B4D1	Dug	26°11'30"	92°51'00"	0.80	60.61	Alluvium	Brahmaputra
Ghasibasti Ow	ASNG46	Pz	26°20'51"	92°52'31"	0.40		Alluvium	Brahmaputra
Gomotha	ASNG34	Dug	26°20'44"	92°44'55"	0.85		Alluvium	Brahmaputra
Haldiati sub bt	83B4D6	Dug	26°10'19"	92°56'20"	0.89	85.20	Alluvium	Brahmaputra
Hatibatha	ASNG35	Dug	26°20'11"	92°45'40"	0.68		Alluvium	Brahmaputra
Jurapukhuri	83C1D7	Dug	25°59'00"	92°55'44"	0.84	74.69	Alluvium	Brahmaputra
Kathiatoli	83B4C4	Dug	26°11'13"	92°44'06"	0.94	63.22	Alluvium	Brahmaputra
Kazirang Tourist Vil	ASNG27	Dug	26°35'09"	93°23'42"	0.60		Alluvium	Brahmaputra
Kondali	83B3D5	Dug	26°15'45"	92°47'00"	0.99	82.99	Alluvium	Brahmaputra
Langteng TE	83F3A2	Dug	26°27'00"	93°04'00"	0.85	75.31	Gneiss	Brahmaputra
Lanka	83C1D1	Dug	25°54'47"	92°57'42"	0.72	79.71	Alluvium	Brahmaputra
Lumding	83G1A1	Dug	25°46'00"	93°10'30"	0.70	137.02	Sandstone	Brahmaputra
Mahariali	ASNG38	Dug	26°17'02"	92°38'16"	0.60		Alluvium	Brahmaputra
Nadeorigaon	83B4D2	Dug	26°05'15"	92°47'00"	0.83	61.56	Alluvium	Brahmaputra
Natali	ASNG37	Dug	26°33'00"	92°53'37"	0.66		Alluvium	Brahmaputra
Pahukata	ASNG36	Dug	26°24'07"	92°48'31"	0.91		Alluvium	Brahmaputra
Phulaguri R5	ASNG41	Dug	26°01'58"	92°40'03"	0.80		Alluvium	Brahmaputra
Phulaguri R6	83F2A5	Dug	26°34'40"	93°11'07"	0.37		Alluvium	Brahmaputra
Rangamati Ow	ASNG45	Pz	26°24'45"	92°25'45"			Alluvium	Brahmaputra
Samuguri	83B3D7	Dug	26°24'30"	92°49'45"	0.70	63.75	Alluvium	Brahmaputra
Silghat	83B2D6	Dug	26°35'32"	92°56'04"	0.96		Alluvium	Brahmaputra
Sulung p.o.	83B3D8	Dug	26°24'00"	92°58'00"	0.74	66.49	Alluvium	Brahmaputra
Telia bebejia	83B3C7	Dug	26°25'00"	92°37'00"	0.50	66.96	Alluvium	Brahmaputra
Tirchang	ASNG47	Dug	26°15'37"	92°35'45"	0.85		Alluvium	Brahmaputra
Zebra Khua	ASNG33	Dug			0.85		Alluvium	Brahmaputra
District: Nalbari								
Aithabari	78N2B5	Dug	26°44'05"	91°21'30"	0.86	58.98	Alluvium	Brahmaputra
Arikuchi	78N3B4	Dug	26°22'18"	91°26'42"	0.90	44.99	Alluvium	Brahmaputra
Balilecha	78N3B6	Pz	26°25'04"	91°28'29"	0.50		Alluvium	Brahmaputra
Dhamdhama	78N2B1	Dug	26°33'22"	91°27'09"	0.71	61.24	Alluvium	Brahmaputra
Dumnibazar	78N2B2	Dug	26°35'30"	91°18'54"	0.57	77.75	Alluvium	Brahmaputra
Hazaregaon	78N2C10	Dug	26°42'55"	91°33'36"	0.81	81.56	Alluvium	Brahmaputra
Mithabari	78N1B2	Dug	26°45'42"	91°23'30"	0.93	112.60	Alluvium	Brahmaputra
Tamulpur	78N2C1	Dug	26°37'50"	91°34'15"	0.86	68.55	Alluvium	Brahmaputra
Tihu	78N3B3	Dug	26°28'30"	91°15'27"	0.93	51.63	Alluvium	Brahmaputra
District: Sibsagar								
Athkhel Grant	ASSA05	Dug	26°46'52"	94°40'49"	0.50		Alluvium	Brahmaputra
Bandarmari	83I4C14	Dug	27°11'45"	94°44'55"	0.87		Alluvium	Brahmaputra
Betbari alimore	83I4C8	Dug	27°03'55"	94°42'45"	0.68		Alluvium	Brahmaputra
Demow Sukan	83I4C11	Dug	27°08'45"	94°44'50"	0.70		Alluvium	Brahmaputra
Dhapaboria	83I4C5	Dug	27°02'10"	94°36'00"	0.84		Alluvium	Brahmaputra
Geleki	83J1C9	Dug	26°48'15"	94°42'30"	0.43		Alluvium	Brahmaputra
Hanumanbagh	83J1C7	Dug	26°54'10"	94°43'15"	0.86		Alluvium	Brahmaputra
Madhurigohain Gaon	ASSA03	Dug	26°06'00"	94°42'00"	1.00		Alluvium	Brahmaputra
Moranhat	83I4D1	Dug	27°12'00"	94°56'00"	0.50	106.43	Alluvium	Brahmaputra
Santak	ASSA04	Dug	26°52'45"	94°48'00"	1.00		Alluvium	Brahmaputra
Sapekhati	83M4A1	Dug	27°05'00"	95°12'00"	1.00	110.71	Alluvium	Brahmaputra
Sibsagar	83J1C2	Dug	26°59'30"	94°38'00"	0.73	92.25	Alluvium	Brahmaputra

Village	Well No	Well Type	Latitude	Longitude	MP magl	RL mamsl	Geology	Basin
Sonarigaon	ASSA02	Dug	26°44'12"	94°44'07"	0.68		Alluvium	Brahmaputra
District: Sonitpur								
18th Mile	ASSP29	Dug			1.00		Alluvium	Brahmaputra
Balipara	83B1D4	Dug	26°49'21"	92°47'10"	0.90		Alluvium	Brahmaputra
Barchola	83B2B5	Dug	26°36'30"	92°23'00"	0.83	69.71	Alluvium	Brahmaputra
Bihupukhuri	83F2A7	Dug	26°44'50"	93°15'00"	0.84		Alluvium	Brahmaputra
Biswanath	83F2A8	Dug	26°39'30"	93°10'30"	0.76	74.01	Alluvium	Brahmaputra
Borgang	83F1B2	Dug	26°50'27"	93°17'24"	1.05		Alluvium	Brahmaputra
Buroighat	ASSP 25	Dug	26°52'04"	93°24'59"	0.80	89.00	Alluvium	Brahmaputra
Charduar	83B1D1	Dug	26°52'00"	92°46'30"	0.72	84.00	Alluvium	Brahmaputra
Dhalaibil	83B1D3	Dug	26°46'34"	92°54'17"	0.75		Alluvium	Brahmaputra
Dhekiajuli	83B2B2	Dug	26°42'08"	92°28'28"	0.85	78.04	Alluvium	Brahmaputra
Dihaljali	83B1C1	Dug	26°51'00"	92°33'36"	0.83	103.68	Alluvium	Brahmaputra
Garumari	83B1D2	Dug	26°52'00"	92°48'45"	0.88		Alluvium	Brahmaputra
Gaudhara Gaon	ASSP 22	Dug	26°50'18"	93°33'45"	0.50	73.00	Alluvium	Brahmaputra
Gohpur	83F1C2	Dug	26°53'30"	93°37'30"	0.88	80.03	Alluvium	Brahmaputra
Hawajan	83F1C4	Dug	26°52'30"	93°44'30"	0.69		Alluvium	Brahmaputra
Helem	ASSP24	Dug	26°50'59"	93°27'55"	0.97	75.00	Alluvium	Brahmaputra
Jamuguri North	83B2D3	Dug	26°43'00"	92°55'30"	0.89	77.12	Alluvium	Brahmaputra
Japoriguri	ASSP27	Dug	26°44'04"	93°11'27"	0.70	70.00	Alluvium	Brahmaputra
Ketela TE	ASSP26	Dug	26°49'43"	93°19'23"	0.82	81.00	Alluvium	Brahmaputra
Kolabari	ASSP23	Dug	26°54'05"	93°42'29"	1.10	56.00	Alluvium	Brahmaputra
Kolony	83B1C2	Dug	26°51'41"	92°42'21"	0.70	99.64	Alluvium	Brahmaputra
Na Pam	ASSP31	Dug	26°41'17"	92°22'40"	1.00	72.00	Alluvium	Brahmaputra
Panigaon Ow	ASSP32	Pz	26°45'09"	92°55'03"	0.81		Alluvium	Brahmaputra
Rangapara	83B2C1	Dug	26°44'10"	92°41'05"	0.63		Alluvium	Brahmaputra
Sootia	83F2A2	Dug	26°44'00"	93°02'30"	0.80	71.18	Alluvium	Brahmaputra
Tezpur	83B2D2	Dug	26°37'30"	92°48'00"	0.91	70.06	Alluvium	Brahmaputra
Thelamara	ASSP30	Dug	26°41'40"	92°35'12"	0.54	33.00	Alluvium	Brahmaputra
Tolakbari Ow	ASSP34	Pz	26°41'51"	92°57'22"	0.72		Alluvium	Brahmaputra
Tupia	ASSP28	Dug	26°47'56"	92°43'40"	0.74	76.00	Alluvium	Brahmaputra
District: Tinsukia								
Bordumsa	83M3D3	Dug	27°30'00"	95°50'00"	1.32	156.53	Alluvium	Brahmaputra
Borgolai	83M3C2	Dug	27°17'30"	95°37'30"	0.40	141.51	Alluvium	Brahmaputra
Bortorani	83M2B4	Dug	27°31'21"	95°28'17"	0.80		Alluvium	Brahmaputra
Digboi	83M3C1	Dug	27°23'30"	95°38'30"	0.95	151.50	Alluvium	Brahmaputra
Jagun	83M3D4	Dug	27°23'37"	95°53'57"	0.90	157.90	Alluvium	Brahmaputra
Jaipur naharjan	83M4B5	Dug	27°14'29"	95°24'47"	0.50		Alluvium	Brahmaputra
Ledo forest off	83M3C3	Dug	27°18'00"	95°42'00"	0.94	146.45	Alluvium	Brahmaputra
Lekhapani	83M3D1	Dug	27°18'00"	95°51'30"	0.49	147.50	Alluvium	Brahmaputra
Panitola	83M3B4	Dug	27°29'35"	95°15'36"	0.62		Alluvium	Brahmaputra
Philobari	83M2C7	Dug	27°30'09"	95°40'05"	0.74	141.50	Alluvium	Brahmaputra
Rangagora guijn	83M2B3	Dug	27°34'22"	95°19'46"	0.40		Alluvium	Brahmaputra
Tinsukia	83M3B2	Dug	27°28'30"	95°22'00"	0.75	127.37	Alluvium	Brahmaputra
Tirap gate	83M3D2	Dug	27°19'52"	95°51'11"	0.80	148.80	Sandstone	Brahmaputra
State: Manipur								
District: Bishnupur								
Kumbhi OW	83H3D4	Pz	24°29'00"	93°47'00"	0.67	777.86	Sandstone	Imphal
Maibam	83H2D4	Dug	24°40'30"	93°48'15"	0.80	749.15	Alluvium	Imphal

Village	Well No	Well Type	Latitude	Longitude	MP magl	RL mamsl	Geology	Basin
District: Chandel								
Khongsim	83L3A1	Dug	24°29'49"	94°01'12"	0.70		Alluvium	Imphal
Moreh	83L3B1	Dug	24°15'30"	94°18'30"	0.87		Alluvium	Imphal
Shairo	83H3D6	Dug	24°16'02"	93°52'41"	0.68	786.44	Alluvium	Imphal
District: Churachandpur								
Churachandpur	83H3C1	Dug	24°19'55"	93°41'00"	0.87	817.43	Alluvium	Imphal
Kongwai OW	83H3C3	Pz	24°26'24"	93°43'50"	0.50	780.95	Sandstone	Imphal
Saikot Tw	83H3C2	Pz	24°20'07"	93°43'46"	0.50	798.98	Sandstone	Imphal
District: Imphal East								
Jiribam	83H1A2	Dug	24°48'00"	93°07'00"	0.76	25.66	Sandstone	Imphal
Tengdongyem	83H1D5	Dug	24°54'27"	93°53'11"	0.74	807.79	Alluvium	Imphal
District: Imphal West								
Chaprau	83H1D3	Dug	24°54'19"	93°51'47"	0.83		Alluvium	Imphal
Imphal	83H1D2	Dug	24°48'26"	93°48'26"	0.38	783.62	Alluvium	Imphal
Lemakhong	83H1D6	Dug	24°55'58"	93°50'33"	0.70		Alluvium	Imphal
Lilong Pz	83H2D3	Pz	24°44'00"	93°56'00"	0.61	773.94	Sandstone	Imphal
Sekmai	83H1D1	Dug	24°57'30"	93°53'00"	0.70	824.18	Sandstone	Imphal
District:Senapati								
Motbung	83H1D4	Dug	24°59'52"	93°54'28"	0.70	891.15	Alluvium	Imphal
District: Tamenglong								
Kamrenga PZ	83H1A3	Pz	24°47'30"	93°09'00"	0.36	28.68	Sandstone	Imphal
District: Thoubal								
Kakching Pz	83L3A3	Pz	24°29'25"	94°00'06"	0.35		Sandstone	Imphal
Khongjom Pz	83L2A3	Pz	24°35'21"	94°03'13"	0.50		Sandstone	Imphal
Pangaltabi Pz	83H3D2	Pz	24°20'00"	93°57'00"	0.58	793.52	Sandstone	Imphal
Sugnu Pz	83H3D1	Pz	24°17'00"	93°55'30"	0.80	777.95	Sandstone	Imphal
Wabagai lamkhai	83H2D2	Pz	24°31'30"	93°58'30"	0.50	772.13	Sandstone	Imphal
Waikhong	83H3D5	Dug	24°25'14"	93°55'52"	0.50	786.15	Alluvium	Imphal
Waikhong Pz	83H3D3	Pz	24°30'00"	93°56'00"	0.61	785.25	Alluvium	Imphal
Wangbol	83L2A1	Dug	24°31'00"	94°00'55"	0.61	779.31	Sandstone	Imphal
State: Meghalaya								
District: East Garo Hills								
Baiza Rongreng	MLEG15	Dug	25°32'33"	90°35'06"	0.75		Sandstone	Meghna
Bajengdoba	78K1C2	Dug	25°53'10"	90°30'45"	0.97		Alluvium	Brahmaputra
Dainadubi	MLEG11	Dug	25°53'56"	90°46'39"	0.80		Sandstone	Brahmaputra
Darugiri	78K2D2	Dug	25°37'09"	90°46'03"	0.77		Alluvium	Brahmaputra
Depa sarangma	78K1D4	Dug	25°52'00"	90°47'00"	0.00	63.95	Alluvium	Brahmaputra
Dobetkolgiri	MEEG12	Dug	25°30'33"	90°36'42"	0.30		Sandstone	Meghna
Dobu	MLEG13	Dug	25°33'58"	90°42'47"	0.60		Granite	Brahmaputra
Kharkutta	78K1D7	Dug	25°54'20"	90°53'40"	0.93		Alluvium	Brahmaputra
Mendal	78K1B1	Dug	25°49'29"	90°27'57"	0.80		Gneiss	Brahmaputra
Mendipathar	78K1C1	Dug	25°55'15"	90°30'30"	0.72	58.22	Alluvium	Brahmaputra
Narringirri	MLEG14	Dug	25°36'37"	90°44'23"	0.85		Granite	Brahmaputra
Rongjeng	78K2D1	Dug	25°40'00"	90°48'15"	0.84	300.43	Quartzite	Brahmaputra
Rongmil	78K2D3	Dug	25°44'10"	90°49'28"	0.78		Gneiss	Brahmaputra
Samanda Megapagre	MLEG16	Dug	25°34'38"	90°31'37"	1.00		Sandstone	Meghna
Songsak	MLEG17	Dug	25°39'48"	90°36'37"	0.85		Sandstone	Meghna
Williamnagar	78K2C2	Dug	25°30'36"	90°31'10"	0.90		Alluvium	Meghna

Village	Well No	Well Type	Latitude	Longitude	MP magl	RL mamsl	Geology	Basin
District: East Khasi Hills								
Balat	78O4B1	Dug	25°12'20"	91°24'00"	0.78	11.67	Gneiss	Meghna
Cherrapunji	78O3C1	Dug	25°17'00"	91°43'00"	0.20	1411.47	Gneiss	Meghna
Dhankheti	MLEK08	Dug	25°23'58"	91°53'34"	0.86		Quartzite	Brahmaputra
Golf Link	MLEK07	Dug	25°34'55"	91°50'40"	0.75		Quartzite	Brahmaputra
Lachuamiere	MLEK09	Dug	25°34'14"	91°50'25"	0.80		Quartzite	Brahmaputra
Mawpat	MLEK11	Dug	25°35'34"	91°55'09"	0.54		Quartzite	Brahmaputra
Nongmynsong	MLEK12	Dug	25°34'47"	91°54'25"	0.52		Quartzite	Brahmaputra
Rynjah (R & R Col)	MLEK10	Dug	25°34'49"	91°54'00"	0.00		Quartzite	Brahmaputra
Shillong Polo	78O2D1	Dug	25°35'00"	91°53'00"	0.75	1426.67	Quartzite	Brahmaputra
District: Jaintia Hills								
Dauki	83C4A1	Dug	25°12'00"	92°02'00"	0.70	70.95	Alluvium	Meghna
Jowai	83C3A1	Dug	25°26'30"	92°10'30"	0.83	1219.08	Sandstone	Meghna
District: Ri-Bhoi								
Byrnihat	MLRB02A	Dug	25°42'39"	92°01'22"	0.45		Sandstone	Brahmaputra
Nongpoh	78O1D1	Dug	25°54'00"	91°53'00"	0.95	540.47	Gneiss	Brahmaputra
District: South Garo Hills								
Dimapara	MLSG06	Dug	25°13'31"	90°14'39"	0.80		Sandstone	Meghna
Dumnikura	MLSG02	Dug	25°11'06"	90°23'21"	0.96		Sandstone	Meghna
Gasuapara	MLSG04	Dug	25°11'39"	90°20'56"	1.00		Sandstone	Meghna
Jatrokona	MLSG05	Dug	25°12'06"	90°16'24"	0.85		Sandstone	Meghna
Khondoh	MLSG03	Dug	25°12'25"	92°21'25"	0.90		Sandstone	Meghna
District: West Garo Hills								
Ampati	78G3D1	Dug	25°30'00"	89°57'30"	1.50	33.11	Alluvium	Brahmaputra
Asanang	78K2B1	Dug	25°35'58"	90°16'32"	0.77		Gneiss	Brahmaputra
Baljek	ASWG17	Dug	25°39'50"	90°16'32"	0.70		Alluvium	Brahmaputra
Barengapara	78K4A1	Dug	25°13'00"	90°14'00"	0.98	15.45	Alluvium	Brahmaputra
Barengapara II	ASWG22	Dug	25°14'17"	90°12'26"	0.80		Alluvium	Brahmaputra
Barkona	78G2D2	Pz	25°33'50"	89°57'00"	0.50	22.81	Sandstone	Brahmaputra
Belguri	ASWG21	Dug	25°57'50"	90°20'34"	0.70		Alluvium	Brahmaputra
Betasing II	ASWG25	Dug	25°30'40"	89°57'15"	0.70		Sandstone	Brahmaputra
Borkona	78G2D4	Dug	25°33'56"	89°56'35"	0.80		Alluvium	Brahmaputra
Garobandha	78K2A1	Dug	25°35'00"	90°02'00"	0.89	20.25	Sandstone	Brahmaputra
Ichaguri	78G2D1	Pz	25°33'14"	89°53'14"	0.50	23.19	Sandstone	Brahmaputra
Jarangkhona	ASWG23	Dug	25°17'50"	90°00'33"	0.70		Sandstone	Meghna
Kherapara	78K3A2	Dug	25°20'30"	90°13'30"	0.89	138.56	Sandstone	Brahmaputra
Mahendraganj	78G3D2	Dug	25°18'00"	89°51'35"	1.00	17.51	Alluvium	Brahmaputra
Mahendraganj Pz	78G3D4	Pz	25°18'20"	89°51'15"	0.50	23.59	Sandstone	Brahmaputra
Nidanpur II	ASWG19	Dug	25°56'07"	90°07'30"	0.90		Sandstone	Brahmaputra
Nongopara	ASWG24	Dug	25°20'53"	89°50'39"	0.75		Sandstone	Brahmaputra
Phulbari	78K1A1	Dug	25°53'00"	90°03'00"	0.95	30.95	Alluvium	Brahmaputra
Phutamati	ASWG20	Dug	25°56'36"	90°13'12"	0.80		Sandstone	Brahmaputra
Purkhasia	78K3A1	Dug	25°18'00"	90°01'00"	0.78	27.92	Alluvium	Brahmaputra
Rajabala	ASWG26	Dug	25°45'20"	89°58'51"	0.72		Alluvium	Brahmaputra
Rongram	ASWG18	Dug	25°50'39"	90°12'56"	0.90		Granite	Brahmaputra
Tikrikilla	78K1A2	Dug	25°56'45"	90°14'40"	0.87	36.95	Alluvium	Brahmaputra
Zikzak	78G3D3	Pz	25°23'30"	89°53'55"	1.00	25.59	Sandstone	Brahmaputra
Zikzak PZ	78G3D5	Dug	25°23'28"	89°53'56"	0.84		Alluvium	Brahmaputra
District: West Khasi Hills								
Mairang	78O2C1	Dug	25°34'40"	91°38'30"	0.30		Gneiss	Brahmaputra

Village	Well No	Well Type	Latitude	Longitude	MP magl	RL mamsl	Geology	Basin
State: Nagaland								
District: Dimapur								
3 Mile Bazar	NLDM19	Dug	25°52'50"	92°45'44"	0.90		Alluvium	Brahmaputra
7th Mile Colony	NLDM21	Dug	25°50'38"	93°46'27"	0.70		Alluvium	Brahmaputra
Bade Bazar	NLDM14	Dug	25°49'33"	93°41'07"	0.80		Alluvium	Brahmaputra
Chumkidima	83G1D1	Dug	25°48'00"	93°47'45"	0.85	191.90	Alluvium	Brahmaputra
Dgm Colony	83G1C8	Pz	25°54'46"	93°42'55"	0.23	152.00	Alluvium	Brahmaputra
Dgmofficedimapur	83G13GM10	Pz			1.20		Alluvium	Brahmaputra
Dhansiripar	83G1C5	Dug	25°46'00"	93°37'00"	0.80	168.54	Sandstone	Brahmaputra
Dimapur	83G1C2	Dug	25°54'20"	93°42'45"	0.70	152.26	Alluvium	Brahmaputra
Diphupar	NLDM22	Dug	25°51'52"	93°46'24"	0.85		Alluvium	Brahmaputra
Doyabur DMC	NLDM12	Dug	25°45'40"	93°36'02"	0.63		Alluvium	Brahmaputra
Industrial Estate	83G1C7	Dug	25°53'58"	93°41'59"	0.90	158.00	Alluvium	Brahmaputra
Jalukie	83G2C1	Dug	25°38'00"	93°39'00"	0.89		Alluvium	Brahmaputra
Lumthi colony	83G1D2	Pz	25°54'00"	93°45'50"	0.52	151.74	Sandstone	Brahmaputra
Maibiram	NLDM13	Dug	25°46'58"	93°37'25"	0.70		Alluvium	Brahmaputra
Marwari Colony	83G1C9	Dug	25°54'10"	93°43'45"	0.76	152.00	Alluvium	Brahmaputra
Purana Bazar	83G1C10	Pz	25°54'54"	93°44'58"	0.50	140.00	Alluvium	Brahmaputra
Rilayan Colony	NLDM24	Dug	25°54'10"	93°41'04"	1.19		Alluvium	Brahmaputra
Seirujha Colony Chumukedi	83G9GM11	Pz			1.00		Alluvium	Brahmaputra
Singrijan	83G1C6	Dug	25°50'00"	93°43'00"	0.66		Sandstone	Brahmaputra
Thilaxu Block-II	NLDM16	Dug	25°52'38"	93°44'15"	0.61		Alluvium	Brahmaputra
Zakesatho Colony	NLDM23	Dug	25°55'06"	93°43'44"	0.85		Alluvium	Brahmaputra
Zion Hospital	NLDM18	Dug	25°54'39"	93°44'46"	0.85		Alluvium	Brahmaputra
District: Kohima								
Cathedral Complex	83K2A1	Dug	25°39'00"	94°06'25"	0.89	1590.00	Sandstone	Brahmaputra
NLSA Complex	83K2A2	Pz	25°43'02"	94°06'31"	0.50	1310.00	Sandstone	Brahmaputra
Sepfuzou Colony	83K2A3	Dug	25°41'03"	94°06'22"	0.76	1425.00	Sandstone	Brahmaputra
District: Mokokchung								
Lampi	83J3B1	Pz	26°27'30"	94°22'10"	0.50	189.91	Sandstone	Brahmaputra
District: Mon								
Mon Town	83N2GM14	Pz			0.80		Alluvium	Brahmaputra
Namsa	83J1D1	Dug	26°51'30"	94°56'30"	0.73	125.83	Alluvium	Brahmaputra
District: Phek								
Phek Town	83K6GM13	Pz			0.80		Alluvium	Brahmaputra
District: Tuensang								
Tuensang	83J16GM12	Pz					Alluvium	Brahmaputra
District: Wokha								
New Market	83J4B2	Dug	26°05'39"	94°15'23"	0.41	1365.00	Sandstone	Brahmaputra
Tourist Lodge	83J4B1	Dug	26°06'20"	94°15'26"	0.80	1370.00	Alluvium	Brahmaputra
Wokha Town	83N2GM15	Pz					Alluvium	Brahmaputra
State: Tripura								
District: Dhalai								
Abhanga N	TRDL04	Dug	24°03'14"	91°49'51"	0.77	58.70	Alluvium	Meghna
Ambassa N	TRDL06	Dug	23°54'55"	91°52'00"	0.92	58.89	Alluvium	Meghna
Darlang Basti	TRDL02	Dug	24°06'43"	92°11'54"	0.90		Alluvium	Meghna
Durga Chowmuhani	TRDL01	Dug	24°06'43"	92°11'54"	0.80		Alluvium	Meghna
Kamalpur	78P4D1	Dug	24°12'15"	91°50'30"	0.66	32.59	Alluvium	Meghna
Manu N	TRDL05	Dug	24°00'00"	91°59'00"	0.95	39.50	Sandstone	Meghna
District: North Tripura								

Village	Well No	Well Type	Latitude	Longitude	MP magl	RL mamsl	Geology	Basin
Bagbasa N	TRNT10	Dug	24°20'26"	91°13'07"	0.95		Alluvium	Meghna
Chandramanikami	TRNT18	Dug	24°06'43"	92°11'54"	0.90		Alluvium	Meghna
Dharmanagar	83D3B2	Dug	24°16'00"	92°16'00"	1.47		Alluvium	Meghna
Gauranagar N	TRNT11	Dug	24°19'30"	92°01'00"	0.79		Sandstone	Meghna
Kanchanchhera	TRNT12	Dug	24°05'08"	92°00'09"	0.74		Alluvium	Meghna
Kanchanpur	84A1A1	Dug	23°55'00"	92°12'00"	0.50	87.86	Sandstone	Meghna
Karaicherra	TRNT14	Dug	24°08'24"	92°09'05"			Alluvium	Meghna
Kumarghat	83D4A6	Dug	24°08'00"	92°03'00"	0.32		Sandstone	Meghna
Laljuri	TRNT15	Dug	24°06'43"	92°11'54"	0.87		Alluvium	Meghna
Panchamnagar	TRNT17	Dug	24°06'43"	92°11'54"	0.85		Alluvium	Meghna
Panisagar	83D4A1	Dug	24°14'30"	92°11'00"	0.78	41.60	Alluvium	Meghna
Pecharthal	83D4A7	Dug	24°11'57"	92°06'21"	0.68		Alluvium	Meghna
Rajnagar	TRNT13	Dug	24°19'14"	92°07'05"	0.84		Alluvium	Meghna
Satnala	TRNT16	Dug	24°08'00"	92°09'05"	1.05		Alluvium	Meghna
District: South Tripura								
Amarpur	TRST05	Dug	23°30'49"	91°39'24"	0.89		Alluvium	Meghna
Amarpur0	79M2C2	Dug	23°31'30"	91°41'30"	0.75	40.03	Alluvium	Meghna
Ampi Colony	TRST07	Dug	23°40'17"	91°38'30"	0.85		Alluvium	Meghna
Bampur	TRST 06	Dug	23°33'44"	91°38'07"	0.96		Alluvium	Meghna
Dhawajnagar Udaipur	79M2B8	Dug	23°32'55"	91°28'35"	1.36		Alluvium	Meghna
Gardhang	TRST11	Dug	23°17'50"	91°31'57"	0.74		Alluvium	Meghna
Garjee Bazar	79M3B4	Dug	23°25'36"	91°13'21"	0.80	32.62	Alluvium	Meghna
Hrishyamukh	79M4C4	Dug	23°08'30"	91°32'00"	0.80	23.64	Alluvium	Meghna
Jhajhari	TRST08	Dug	23°13'49"	91°29'31"	0.77		Alluvium	Meghna
Kalachhara	TRST10	Dug	23°08'27"	91°37'38"	0.90		Alluvium	Meghna
Kankraban	TRST12	Dug	23°29'43"	91°24'49"	0.87		Alluvium	Meghna
Manu Bazar	TRST 9	Dug	23°03'51"	91°38'55"	0.66		Alluvium	Meghna
Manurmukh	TRST03A	Dug	23°15'56"	91°29'17"	1.00		Alluvium	Meghna
Naobari	TRST04	Dug	23°30'43"	91°33'57"	0.83		Alluvium	Meghna
Radhanagar	TRST15	Dug	23°13'32"	91°19'46"	0.88		Alluvium	Meghna
Rajnagar	TRST14	Dug	23°13'56"	91°23'30"	1.35		Alluvium	Meghna
Sabroom	79M4C1	Dug	23°57'30"	91°43'30"	0.83	18.75	Sandstone	Meghna
Santirbazar Purba	TRST13	Dug	23°19'03"	91°35'13"	0.77		Alluvium	Meghna
District: West Tripura								
Badharghat DTW	TRWT25	Pz	23°48'10"	91°16'17"	0.63		Alluvium	Meghna
Bagan Bazar	TRWT33	Dug	23°58'13"	91°37'40"	0.92		Sandstone	Meghna
Bishalgarh	79M2B1	Dug	23°41'00"	91°17'00"	0.78	16.28	Alluvium	Meghna
Bodhjanagar Dtw	TRWT19	Pz	23°52'19"	91°20'41"	0.75		Alluvium	Meghna
Bodhjanagar Stw	TRWT20	Pz	23°52'58"	91°21'55"	0.95		Alluvium	Meghna
Chamapnagar1	TRWT39	Dug	23°48'32"	91°28'32"	0.80		Alluvium	Meghna
Dakshin Kalamcherra	TRWT04A	Dug	23°34'25"	91°12'33"	0.96		Alluvium	Meghna
East Narayanpur	TRWT40	Dug	23°53'25"	91°14'48"	0.87		Alluvium	Meghna
Gongrai	TRWT36	Dug	23°39'24"	91°27'14"	0.55		Alluvium	Meghna
Ishanpur	TRWT31	Dug	24°02'43"	91°23'57"	0.80		Alluvium	Meghna
Kalyanpur	79M1C2	Dug	23°55'00"	91°36'40"	0.92	41.71	Alluvium	Meghna
Kathalia bazar	79M3B5	Dug	23°23'00"	91°19'00"	0.75	13.76	Alluvium	Meghna
Kenania	79M2A2	Dug	23°44'00"	91°11'00"	0.84	20.72	Alluvium	Meghna
Khowai	78P4C5	Dug	24°04'55"	91°36'58"	0.72		Alluvium	Meghna
Lichubagan STW	TRWT22	Pz	23°52'16"	91°17'25"	0.58		Alluvium	Meghna
Mohanpur2	TRWT38	Dug	23°58'18"	91°22'22"	0.63		Alluvium	Meghna

Village	Well No	Well Type	Latitude	Longitude	MP magl	RL mamsl	Geology	Basin
Nagicherra1	TRWT29	Pz	23°00'13"	91°19'49"	0.55		Alluvium	Meghna
Nagicherra2	TRWT30	Pz	23°48'13"	91°19'49"	0.63		Sandstone	Meghna
Narsinghgarh DTW	TRWT28	Pz	23°54'15"	91°14'49"	0.70		Alluvium	Meghna
Paschim Howaibari	TRWT34	Dug	23°48'36"	91°35'31"	0.70		Alluvium	Meghna
Simna	78P4B1	Dug	24°02'00"	91°24'30"	0.79	23.77	Sandstone	Meghna
Sipoyjala	79M2B7	Dug	23°41'30"	91°20'15"	0.68		Alluvium	Meghna
Sonamura1	79M3B6	Dug	23°28'00"	91°16'30"	0.81		Sandstone	Meghna
Subalsingh	TRWT32	Dug	24°00'17"	91°27'26"	0.64		Alluvium	Meghna
Suryamaninagar DTW	TRWT23	Pz	23°45'44"	91°15'46"	0.64		Alluvium	Meghna
Suryamaninagar STW	TRWT24	Pz	23°45'44"	91°15'45"	0.63		Alluvium	Meghna
Tufaniamura	TRWT35	Dug	23°41'55"	91°24'25"	0.72		Alluvium	Meghna
Tuimadhu	TRWT37	Dug	23°50'06"	91°41'11"	0.96		Alluvium	Meghna

ANNEXURE-II

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

State / District	Village	Well No	Well Type	Mar-14	Aug-14	Nov-14	Jan-15
Arunachal Pradesh							
Changlang	Jairampur	92A4A1	Dug	2.33	0.69	3.48	3.78
	Namchik	92A3A1	Dug	3.95	1.07	2.74	3.42
	Namphai	92A3A2	Dug	4.35	0.75	2.62	2.66
	Newlisan Kharsang	92A2A1	Dug	2.87	1.02	4.25	5.23
East Siang	Berung	83M1B4	Dug	2.85	NA	NA	2.72
	Oyen	ARES12	Dug	3.45	0.58	0.58	NA
	Pasighat- III	ARES16	Dug	10.95	5.28	5.61	12.77
	Pasighat New	ARES02A	Dug	11.09	1.56	6.53	10.07
	Pasighat-II	ARES15	Dug	10.49	0.43	6.10	9.55
	Ruksin	ARES11	Dug	2.59	0.27	1.35	2.41
	Sika Baman Todee	ARES14	Dug	NA	0.19	NA	2.45
Lohit	Lathow	83M2D1	Dug	5.00	0.58	2.32	2.61
Papumpare	Banderedewa I	ARPP04	Dug	11.69	10.09	10.87	11.66
	Chimpu	ARPP13	Dug	3.10	0.64	2.62	3.35
	Itanagar I	ARPP10	Dug	4.15	0.85	2.21	3.52
	Itanagar II	ARPP11	Dug	2.27	NA	0.37	1.62
	Kimin	83E3D2	Dug	1.48	0.95	1.44	1.50
	Naharlagun I	ARPP08	Dug	7.99	4.38	5.78	6.68
	Nirjuli Vill IIA	ARPP06	Dug	1.15	0.72	1.00	1.02
	Nirjuli Vill IIB	ARPP07	Dug	-0.07	-0.70	-0.28	-0.06
	Sonajuli	83E4C1	Dug	NA	NA	NA	3.05
Tirap	Borduria	83M4B3	Dug	4.17	1.22	4.10	5.36
	Deomali	83M4C1	Dug	3.38	1.35	3.53	4.00
	Hukanjuri	83M4B4	Dug	6.13	2.20	5.23	6.93
Assam							
Baksha	Jhargaon	ASBS01	Dug	3.08	NA	2.22	2.85
Barpeta	Bhawanipur	78N3A1	Dug	3.76	0.69	2.57	3.28
	Bhawanipur TW	ASBP17	Pz	3.10	0.65	1.95	NA
	Daulasal	ASBP14	Dug	4.95	0.02	2.25	3.80
	Daulasal OW	ASBP15	Pz	4.00	0.81	3.24	4.24
	Dhupguri(Galia)	ASBP13	Dug	2.92	0.36	1.27	2.23
	Nityanada OW	ASBP18	Pz	3.18	2.14	2.68	3.95
	Patacharkuchi	ASBP16	Pz	NA	1.81	NA	NA
	Sarupeta	78N3A6	Dug	4.42	1.56	3.69	3.79
	Sorbhog	78J3D4	Dug	3.70	0.30	1.84	2.79
	Ujanborbori	78N2A2	Dug	2.59	NA	NA	NA
Bongaigaon	Abhayapuri	78J3C2	Dug	3.66	1.65	2.51	4.10
	Baitamari	78J3C1	Dug	4.24	0.05	1.99	3.49
	Bijni	78J3C5	Dug	3.30	1.23	2.35	3.17
	Bongaigaon New	78J3C9	Dug	4.17	0.21	2.37	3.66
	Chalantapara	78J3C4	Dug	9.10	3.74	7.65	8.25
	Chaprakata	78J3C7	Dug	NA	0.76	3.77	2.17
	Chaprakata (Dankinamari)	ASBN10	Dug	2.20	0.47	1.88	3.42
	Majgaon	ASBN11	Dug	3.90	0.15	2.56	3.52
	Manikpur	78J3D1	Dug	3.10	0.73	1.75	2.79
	Medhipara(Deo)	78J3C6	Dug	4.25	0.41	3.26	3.63
	North salmara	78J3C8	Dug	NA	1.20	4.25	4.72

State / District	Village	Well No	Well Type	Mar-14	Aug-14	Nov-14	Jan-15
Cachar	Atalbasti	ASCR35	Dug	NA	4.73	4.58	NA
	Badribasti	83D1D7	Dug	4.04	1.16	1.90	2.31
	Badribasti OW	83D1D8	Pz	2.89	0.97	1.96	2.62
	Borjalinga	83D2D1	Dug	1.28	0.71	0.80	0.69
	Borkhola	83D1C8	Dug	1.83	0.70	1.31	0.78
	Dargakuna	ASCR25	Dug	1.40	1.20	1.24	0.75
	Digharkhal	83D1C3	Dug	5.31	1.06	3.21	4.53
	Fulertol	ASCR37	Dug	5.07	0.64	2.38	2.68
	Ghungoor TW	83D1D10	Pz	7.99	6.00	6.49	7.30
	Gosaipur Part-II	ASCR34	Dug	2.64	0.51	1.16	1.45
	Hilara	ASCR26	Dug	4.42	1.74	2.88	2.40
	Kalain	83D1C14	Dug	4.74	0.20	1.32	1.19
	Kalain PZ	83D1C13	Pz	2.13	0.83	1.08	1.44
	Kashipur	ASCR31	Dug	NA	0.78	1.26	1.66
	Katigora	ASCR27	Dug	2.93	1.62	NA	2.02
	Masimpur	ASCR23	Dug	0.23	0.13	2.31	0.01
	Moinarbond	83D1D6	Dug	3.50	1.08	2.86	3.83
	Nagdirgram	ASCR39	Dug	1.77	0.36	1.23	0.83
	Poilapul	83H1A9	Dug	2.31	1.11	1.19	1.03
	Razabazar	83H1A7	Dug	9.01	1.98	2.70	8.38
	Shivachal	ASCR28	Dug	4.08	1.02	2.62	NA
	Shivtila	83H1A4	Dug	7.67	0.52	2.43	6.92
	Silcoorie	ASCR38	Dug	NA	NA	0.92	NA
	Silkuri Pz	83D2D3	Pz	1.41	0.28	1.77	1.00
	Tarapur	ASCR32	Dug	1.53	0.15	0.13	NA
Darrang	Bengbari	78N2D10	Dug	3.77	2.83	3.07	6.12
	Bhakatpara Ow	ASDR33	Pz	4.57	2.63	3.28	4.72
	Bhalukmari-I	83B2A7	Dug	3.92	0.61	3.19	3.76
	Chamuapara	83B3A2	Dug	2.20	0.63	1.43	3.94
	Dalgaon	83B2A2	Dug	4.76	2.60	2.84	4.72
	Gelabil (Thelamara)	83B2B6	Dug	NA	1.07	2.69	3.32
	Goroibari	ASDR31	Dug	1.90	1.02	1.69	3.84
	Kalaigaon	78N2D3	Dug	2.31	0.23	1.48	2.08
	Kendurtal	78N2D11	Dug	2.10	2.43	1.38	2.23
	Madanpur OW	ASKM55	Pz	NA	1.23	NA	NA
	Madhupur	83B2A6	Dug	3.72	2.72	3.30	3.56
	Majgaon OW	ASDR34	Pz	5.73	2.31	2.97	5.18
	Mangaldoi	83B3A1	Dug	4.59	0.15	3.72	4.30
	Mangaldoi II	83B3A3	Dug	4.54	1.49	2.98	3.65
	Orang	83B2B1	Dug	2.82	0.09	1.87	2.60
	Paneri	78N2D9	Dug	1.35	0.95	1.22	1.30
	Paneri TG	78N2D1	Dug	10.51	4.33	3.68	6.53
	Rowta chariali	83B2A3	Dug	3.08	0.46	2.23	2.92
	Thekerabari .1	83B2A1	Dug	4.41	2.29	2.79	4.03
	Udalguri	83B2A4	Dug	3.06	1.46	1.91	NA
Dhemaji	Akajan	83I2D1	Dug	3.48	0.27	2.00	4.46
	Bhagaban charali	83I2D2	Dug	9.25	4.39	8.17	9.08
	Bijoypur	83M1A3	Dug	2.78	0.17	1.79	2.47
	Bokabil Ow	ASDM24	Pz	3.85	1.11	2.30	3.16
	Bordoloni	83I3B1	Dug	1.14	NA	0.35	1.06

State / District	Village	Well No	Well Type	Mar-14	Aug-14	Nov-14	Jan-15
	Chengali Pather Ow	ASDM23	Pz	2.50	0.34	1.29	2.03
	Dekapam	ASDM21	Dug	2.23	0.70	1.44	2.05
	Dhakuakhana1	ASDM07	Dug	NA	NA	4.47	5.29
	Dhemaji 1	83I3C1	Dug	NA	-0.99	NA	NA
	Dhemaji 2	ASDM 23	Dug	2.28	0.55	0.82	1.87
	Dipa	83I2D3	Dug	7.00	2.03	4.14	5.34
	Ghilamara	ASDM11	Dug	NA	NA	4.47	4.47
	Ghilamara Ow	ASDM26	Pz	3.73	NA	4.47	4.24
	Gogamukh Hss Ow	ASDM25	Pz	NA	0.92	2.79	2.00
	Jamuguri	83F1D3	Dug	3.04	NA	2.40	3.23
	Jonai murkongselek	83M1A1	Dug	2.48	0.42	1.54	2.72
	Silapathar	83I2C1	Dug	4.96	0.67	1.88	4.04
	Simen Chapori	ASDM22	Dug	NA	NA	4.41	5.17
	Siripani	83I2C3	Dug	1.60	-0.04	NA	1.28
	Sisibargaon	83I2C2	Dug	2.32	0.68	1.62	2.23
	Telem	83M2A1	Dug	4.61	0.74	2.05	4.54
Dhubri	Bagaribari	78J4A4	Dug	14.89	18.89	12.86	14.50
	Bahalpur	78J3B4	Dug	4.50	0.80	2.55	3.75
	Balajan	ASDH15	Dug	4.07	0.30	NA	2.10
	Bilasipara	78J4A1	Dug	3.44	NA	2.32	3.02
	Chapar	78J3B2	Dug	4.27	1.02	3.48	2.31
	Civil Hospital	ASDH18	Pz	4.83	2.91	2.60	3.93
	Dakhin Tokesara	ASDH16	Dug	3.90	0.65	2.71	3.14
	Dhubri Town	78F4D4	Dug	5.40	0.78	3.03	4.15
	Matabag	ASDH19	Pz	NA	4.01	NA	5.23
	Moterjhar	ASDH17	Dug	5.03	0.99	3.23	4.89
	Panbari	78J4A2	Dug	16.64	15.97	16.09	14.99
	Rupshi	78F4D3	Dug	4.20	0.03	1.61	3.75
	Shapamari Beat	ASDH13	Dug	16.29	12.39	14.14	15.99
	Sonamukhi	ASDH14	Dug	1.91	0.45	1.37	1.58
Dibrugarh	AMC Campus	ASDB14	Pz	NA	0.36	1.03	2.68
	Azarguri gaon	83I3D4	Dug	3.71	0.45	2.84	3.67
	Bamunbari	83I4D4	Dug	2.35	0.94	2.10	3.40
	Barbaruah	83I3D6	Dug	4.65	1.55	2.85	4.49
	Chabua	83M3A2	Dug	NA	1.94	4.72	5.33
	Dibrugarh	83I3D1	Dug	1.38	0.35	0.45	0.56
	Dikom	83M3A1	Dug	5.15	2.82	3.98	4.93
	Dirialgaon Pz	83M4B6	Pz	NA	0.30	NA	0.98
	Domar Dolong Tw	ASDB12	Pz	NA	0.46	1.53	1.68
	Jaipur Naharani	83M3A4	Dug	NA	0.73	3.63	3.96
	Lepetkata	ASDB13	Dug	NA	0.34	2.46	2.78
	Melengial PWSS	ASDB15	Pz	NA	0.40	1.34	2.98
Goalpara	Agia1	78J4C3	Dug	5.05	NA	3.65	4.15
	Agia2	ASGP21	Dug	4.85	1.98	3.05	3.33
	Baida	78J4B3	Dug	4.90	NA	4.00	4.01
	Bhalukdubi (Goalpara)	ASGP15	Dug	7.35	2.27	4.50	4.81
	Damra	78K1D8	Dug	5.40	3.79	4.15	4.61
	Dhupdhara	78O1A2	Dug	5.13	1.06	3.83	3.85
	Dudhnai	78K1D1	Dug	2.25	0.94	3.00	3.01
	Dudhnoi II	ASGP17	Dug	2.95	NA	4.40	4.45

State / District	Village	Well No	Well Type	Mar-14	Aug-14	Nov-14	Jan-15
	Dwarka	ASGP19	Dug	3.80	NA	1.40	1.71
	Goalpara Town	78J4C4	Dug	3.64	6.21	7.54	8.24
	Khutabari	78N4A1	Dug	3.70	NA	2.20	2.31
	Krishnai	78J4C1	Dug	2.59	NA	2.64	2.70
	Lakhipur	78J4B1	Dug	3.70	NA	2.84	2.92
	Matia	78J4D1	Dug	NA	NA	3.00	3.16
	Pattarpara	ASGP22	Dug	4.10	0.93	1.50	2.08
	Rongjuli	78K1D2	Dug	3.20	1.83	2.10	2.37
	Salpara	ASGP16	Dug	3.40	0.87	3.01	3.12
	Sarapara	ASGP23	Dug	4.10	1.94	2.30	2.66
	Teuli	ASGP20	Dug	5.00	NA	4.41	4.60
Golaghat	Balibat	ASGL09	Dug	3.10	NA	2.90	3.29
	Bokakhat1	ASGL12	Dug	3.90	1.80	3.18	3.62
	Bongaon	ASGL11	Dug	7.10	1.96	6.30	4.50
	Dhalaguri	ASGL14	Dug	NA	1.54	NA	4.49
	Gaghibari Namghar	ASGL10	Dug	1.80	1.20	2.03	1.74
	Garampani	ASGL15	Dug	9.70	4.63	6.15	6.20
	Golaghat	83F2D1	Dug	NA	1.23	2.55	2.53
	Haldibari Buri Ai	ASGL13	Dug	NA	2.17	3.55	5.16
	Kamargaon1	83F2C1	Dug	5.22	3.54	NA	NA
	Kohra kaziranga	83F2B1	Dug	NA	3.23	NA	8.05
	Oating	83J3A1	Dug	5.35	1.86	4.20	5.66
Hailakandi	Burakhai	ASHL08	Dug	1.60	0.31	0.32	NA
	Katlicherra N	ASHL02A	Dug	4.63	0.48	1.66	2.89
	Monacherra	83D2C3	Pz	3.09	1.61	1.60	1.50
	Panchgram New	ASHL05A	Dug	8.08	0.71	2.71	7.07
	Syedband Part II	ASHL01A	Dug	1.55	0.38	2.72	1.55
Jorhat	Chandan Nagar	ASJR23	Dug	1.32	1.20	1.77	2.63
Jorhat	Chengal Ati	ASJR24	Dug	NA	1.48	1.78	2.74
	Chutuyakari	ASJR31	Dug	NA	1.47	NA	3.46
	Cinamara Tinali	ASJR27	Dug	NA	1.25	NA	3.66
	Cinemora	ASJR18	Dug	2.27	1.59	2.07	3.56
	Dabarapara charali	83J2B3	Dug	2.61	1.26	1.30	2.79
	Dahotia	ASJR29	Dug	1.81	1.03	1.05	3.28
	Kokilamukh	83J1A3	Dug	2.89	1.47	1.24	2.93
	Kolakhowa	ASJR20	Dug	2.13	1.87	1.23	4.41
	Lichubari	ASJR21	Dug	0.98	2.10	0.58	3.82
	Mariani	83J2B4	Dug	1.95	2.24	1.45	3.78
	Meleng Kaparadharia	ASJR28	Dug	1.91	0.55	1.45	1.73
	Nefa Tiniali	ASJR30	Dug	0.48	1.62	0.66	2.99
	Rajoi TG	83J2B5	Dug	NA	1.41	NA	3.27
	Rangajan PHE Sc	ASJR26	Dug	NA	2.54	NA	3.63
	Saklatinga TGI	83J2A11	Dug	NA	3.11	2.45	3.14
	Saruhoj	ASJR19	Dug	NA	1.22	0.98	2.40
	Selenghat	83J2B2	Dug	NA	1.19	NA	2.31
	Sodial Kacharigaon	ASJR22	Dug	1.79	1.02	1.77	2.34
	Tipamia	83J2A6	Dug	NA	0.95	0.80	2.06
	Titabor	83J2A7	Dug	2.15	1.95	2.05	3.10
Kamrup	Abhaipur	ASKM44	Dug	1.94	1.93	2.55	1.37
	Agyathuri	78N4C2	Dug	4.15	1.01	3.20	5.08

State / District	Village	Well No	Well Type	Mar-14	Aug-14	Nov-14	Jan-15
	Alikash Adarsh	78N4C16	Dug	3.00	0.90	2.60	4.10
	Amingaon	ASKM46	Dug	5.70	3.02	2.35	4.55
	Azara	78N4C1	Dug	5.82	NA	NA	NA
	Bamfor	ASKM50	Dug	3.49	1.64	1.13	2.20
	Bamunigaon1	78N4B3	Dug	5.44	NA	3.20	3.32
	Bamunigaon2	ASKM40	Dug	NA	1.87	NA	NA
	Boko1	ASKM39	Dug	3.75	2.50	2.96	3.17
	Boragaon	78N4C7	Dug	6.06	NA	NA	NA
	Charani	ASKM48	Dug	NA	0.26	2.36	3.04
	Chhaygaon	ASKM41	Dug	7.40	1.25	2.80	3.02
	Darkuchi	78N2C4	Dug	4.34	1.85	2.97	4.13
	Dhobartari	ASKM45	Dug	2.25	1.93	2.65	2.34
	Dirgheswari	78N4C12	Dug	3.97	0.47	0.64	NA
	Dora Kahara	ASKM47	Dug	NA	NA	3.31	4.03
	Hajo	78N4C5	Dug	1.28	1.64	0.83	0.82
	Kachkatchi	ASKM49	Dug	3.50	2.33	1.93	3.06
	Kahara	78N3C2	Dug	4.30	1.80	2.70	4.12
	Kahilipara	78N4D7	Dug	6.09	NA	NA	NA
	Khanapara	78N4D3	Dug	8.20	NA	NA	NA
	Khetri	83B4A3	Dug	2.20	0.48	1.33	1.64
	Khetri II	ASKM51	Dug	NA	NA	1.43	2.41
	Maligaon	78N4C6	Dug	1.00	NA	NA	NA
	Mirza	ASKM42	Dug	8.00	3.22	4.61	5.34
	Paltan bazar	78N4C14	Dug	1.06	NA	NA	NA
	Rajapara	78O1A3	Dug	NA	1.83	2.21	2.79
	Rangia Ow	ASKM54	Pz	1.99	0.26	1.31	1.85
	Rani1	78N4C9	Dug	NA	NA	2.62	2.96
	Rani2	ASKM43	Dug	NA	1.02	2.25	2.67
	Samanta Pathar	ASKM36A	Dug	NA	NA	NA	2.31
	Sonapur	83B4A2	Dug	1.55	0.31	1.05	1.25
	Sonapur II	ASKM52	Dug	1.97	0.31	0.63	2.23
	Sualkuchi	78N4C11	Dug	2.67	NA	1.78	2.26
	Taptoli New	ASKM35A	Dug	NA	1.06	NA	NA
	Topatoli	83B4A4	Dug	1.80	0.47	0.88	1.91
	Umsiang Ow	ASKM53	Pz	7.01	NA	NA	NA
	Zoo narangi rd	78N4D2	Dug	8.20	NA	NA	NA
Karbi Anglong	Adarakha Tiniali	ASKA44	Dug	NA	1.36	1.93	4.25
	Balipathar	83F4D3	Dug	NA	1.53	2.10	3.27
	Boithalangsu	83C1C2	Dug	5.37	3.15	NA	NA
	Bokajan I	ASKA41	Dug	11.45	3.79	9.45	4.39
	Bokajan II	ASKA42	Dug	4.08	3.40	4.23	2.80
	Bokoliaghat	ASKA34	Dug	6.10	1.54	1.40	NA
	Bokulia	83G1C3	Dug	3.00	1.36	2.16	3.05
	Dengaon R10	ASKA33	Dug	NA	2.51	NA	NA
	Dengaon R5	83B4D7	Dug	4.31	1.52	1.19	3.66
	Dentaghat	83F3A1	Dug	NA	2.33	1.64	2.95
	Dillai	83G1C4	Dug	3.91	6.11	3.69	6.56
	Diphu	83G1B1	Dug	1.31	NA	1.61	19.21
	Dishobai	ASKA35	Dug	8.03	3.36	2.13	2.36
	Ghouria Dhubi	ASKA43	Dug	3.60	2.32	2.86	3.86

State / District	Village	Well No	Well Type	Mar-14	Aug-14	Nov-14	Jan-15
	Habranrangapar	83F4A7	Dug	NA	NA	NA	2.61
	Hapjan	83G1C1	Dug	NA	NA	2.10	4.22
	Kalonga	83C1D2	Dug	NA	0.46	NA	NA
	Khatkhati	83G1D3	Dug	4.81	3.07	3.81	4.04
	Khatkhati CRBF	ASKA40	Dug	NA	2.39	NA	3.31
	Kheronighat	83C1D3	Dug	NA	1.24	NA	NA
	Langhing	ASKA32	Dug	3.31	2.39	1.08	2.05
	Manikpur	83F4A6	Dug	NA	0.69	NA	3.25
	Manja Bus Stand	ASKA39	Dug	5.70	7.69	4.45	4.45
	Manja Forest	83G1B2	Dug	3.40	9.54	3.15	2.85
	Mohendijua	ASKA38	Dug	9.85	1.67	11.90	11.90
	Phonglangso	ASKA36	Dug	2.32	1.41	6.38	6.38
	Phuloni	83F4A2	Dug	4.16	3.08	1.68	2.31
	Saphapani	ASKA45	Dug	6.51	2.19	3.71	4.67
	Silanijan	83F3D1	Dug	NA	7.90	5.80	5.89
	Siljuri	83F2B2	Dug	NA	4.12	NA	7.83
	Swarghati	ASKA31	Dug	NA	NA	2.07	2.49
	Terangaon	ASKA37	Dug	2.10	1.11	1.90	2.35
Karimganj	Badarpur	83D1C1	Dug	5.55	0.80	2.52	3.34
	Badarpur Pz	ASKG03	Dug	1.30	0.29	NA	0.90
	Badarpur Pz	83D1C9	Pz	NA	NA	0.98	0.91
	Dhaulia	83D2B6	Dug	0.65	-0.01	0.05	0.01
	Harinadik	ASKG14	Pz	0.12	0.17	0.50	-0.20
	Hatikira	83D3B1	Dug	1.94	NA	1.75	1.15
	Karmganj	ASKG15	Dug	0.80	0.34	0.93	0.04
	Kayasthagram	ASKG16	Dug	1.57	1.07	1.17	1.57
	Patharkandi	ASKG17	Dug	3.95	3.10	2.19	1.64
	Rk Nagar I	83D2B4	Dug	2.93	0.34	1.02	0.87
	Sarkaribari	83D2B7	Dug	1.55	0.85	0.62	0.61
Lakhimpur	Amguri	ASLK23	Dug	4.98	2.05	3.63	4.49
	Bhogpur charali	83E4D1	Dug	2.45	0.98	1.66	1.78
	Bihpuria	83E4D4	Dug	4.12	NA	1.80	3.56
	Boginadi(balijan)	83I3A1	Dug	2.92	0.56	1.52	2.45
	Dejoo	ASLK24	Dug	2.22	0.85	1.60	1.88
	Dholpur	83F1D1	Dug	1.48	NA	NA	NA
	Dolanghat chara	83I4A3	Dug	2.81	0.89	2.62	2.67
	Harmoti	83E4D6	Dug	3.25	0.28	2.05	2.85
	Islampur	83E4D3	Dug	5.05	2.27	3.66	4.61
	Kadam	83I3A3	Dug	1.75	0.36	1.14	1.65
	Laluk	83E4D2	Dug	NA	NA	1.34	1.86
	Madhupur	ASLK22	Dug	NA	NA	NA	0.77
	Milanpur	ASLK26	Dug	3.55	0.47	1.32	2.53
	N Lakhimpur Ow	ASLK27	Pz	3.47	NA	NA	NA
	N.lakhipur(old)	83I4A1	Dug	2.20	NA	NA	2.10
	Naoboisa	83I4A4	Dug	NA	0.35	NA	NA
	Narayanpur	83F1D4	Dug	3.36	0.28	1.63	2.75
	Panigaon	83I4A2	Dug	3.97	1.80	2.62	3.40
	Pathalipam	83I3B6	Dug	3.44	1.44	2.51	3.26
	Pathalipam II	ASLK25	Dug	5.75	2.74	3.80	5.06

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Morigaon	Baghara	83B4B2	Dug	4.94	1.67	2.47	4.36
	Baropujia	ASMR14	Dug	2.11	2.72	2.25	3.25
	Barukati Ow	ASMR23	Pz	4.53	NA	3.28	3.47
	Basanaghat Ow	ASMR19	Pz	3.25	3.96	4.43	2.94
	Charibahi Ow	ASMR22	Pz	3.01	1.95	4.25	NA
	Daponibari Ow	ASMR18	Pz	NA	NA	3.32	4.41
	Deosal	ASMR12	Dug	NA	NA	3.64	4.71
	Garmari gaon	83B3A4	Dug	4.65	1.59	2.69	3.64
	Jagibhagatgaon Ow	ASMR20	Pz	NA	NA	NA	2.85
	Jagiroad	83B4A1	Dug	4.01	1.88	2.35	3.70
	Kumoi	ASMR15	Dug	2.66	1.02	1.22	2.17
	Morigaon	83B3B10	Dug	1.94	1.58	0.96	1.64
	Nasatra	83B4A5	Dug	NA	0.65	NA	NA
	Nelle New	ASMR11	Dug	8.12	1.02	4.79	6.18
	Pabbarbhagia	ASMR24	Dug	NA	NA	NA	2.61
	Pamibahua	ASMR16	Dug	4.34	3.31	3.27	4.27
	Shugumbari	ASMR17	Dug	NA	NA	2.16	2.92
	Silsang Namghar	ASMR13	Dug	NA	NA	4.32	5.18
	Solmari Ow	ASMR21	Pz	2.73	2.13	3.65	4.77
Nagaon	Amsoi	83B4B5	Dug	3.46	2.45	3.28	4.35
	Bagori	83F2A4	Dug	5.28	1.40	2.70	6.97
	Balijan Ow	ASNG42	Pz	4.09	2.43	2.18	2.83
	Bamuni tinali	83B3D9	Dug	NA	NA	NA	3.47
	Beldonga mandir	83B4D8	Dug	3.06	1.41	2.52	2.87
	Bichamari	83B3B1	Dug	3.18	2.15	3.02	3.36
	Borchukhaba	83B3B5	Dug	NA	NA	NA	5.53
	Bordowa	83B3C2	Dug	3.44	0.89	1.12	1.55
	Dakhinpath OW	ASNG44	Pz	4.73	3.53	3.33	4.23
	Dalapani	ASNG39	Dug	4.96	3.62	2.78	3.66
	Dhing	83B3B6	Dug	4.60	3.00	2.82	3.53
	Doboka	83B4D1	Dug	4.26	4.26	2.72	3.76
	Ghasibasti Ow	ASNG46	Pz	2.83	1.16	1.05	2.85
	Gomotha	ASNG34	Dug	3.46	1.95	1.92	2.89
	Haldiati sub bt	83B4D6	Dug	2.46	2.46	2.31	3.53
	Hatibatha	ASNG35	Dug	3.21	1.56	1.44	2.64
	Jurapukhuri	83C1D7	Dug	6.29	5.89	5.64	5.94
	Kathiatoli	83B4C4	Dug	1.23	0.34	0.56	1.39
	Kazirang Tourist Vil	ASNG27	Dug	9.83	3.05	9.53	6.17
	Kondali	83B3D5	Dug	1.78	0.98	1.58	2.57
	Lanka	83C1D1	Dug	6.18	5.12	6.41	5.98
	Lumding	83G1A1	Dug	3.40	1.23	1.45	2.55
	Mahariali	ASNG38	Dug	1.70	0.89	2.00	2.40
	Nadeorigaon	83B4D2	Dug	3.13	NA	NA	NA
	Natali	ASNG37	Dug	3.70	1.98	1.56	2.57
	Pahukata	ASNG36	Dug	5.86	4.12	3.65	4.65
	Phulaguri R5	ASNG41	Dug	NA	NA	1.00	1.67
	Phulaguri R6	83F2A5	Dug	3.63	1.65	4.13	6.85
	Rangamati Ow	ASNG45	Pz	5.98	4.56	3.78	4.85
	Samuguri	83B3D7	Dug	3.80	0.80	3.00	4.00
	Silghat	83B2D6	Dug	6.34	3.89	2.14	3.16

State / District	Village	Well No	Well Type	Mar-14	Aug-14	Nov-14	Jan-15
	Sulung p.o.	83B3D8	Dug	5.28	2.80	2.63	4.02
	Tirchang	ASNG47	Dug	5.15	NA	NA	NA
	Zebra Khua	ASNG33	Dug	5.04	NA	NA	NA
Nalbari	Tamulpur	78N2C1	Dug	2.79	0.92	3.32	2.56
	Tihu	78N3B3	Dug	2.19	0.79	2.15	4.71
Sibsagar	Athkhel Grant	ASSA05	Dug	15.30	NA	12.80	8.94
Sibsagar	Bandarmari	83I4C14	Dug	NA	1.45	2.23	3.62
	Betbari alimore	83I4C8	Dug	NA	NA	3.45	3.68
	Demow Sukan	83I4C11	Dug	5.10	2.31	4.40	3.67
	Dhapaboria	83I4C5	Dug	NA	1.90	2.16	3.59
	Geleki	83J1C9	Dug	NA	1.98	NA	3.55
	Hanumanbagh	83J1C7	Dug	NA	1.29	NA	2.52
	Madhurigohain Gaon	ASSA03	Dug	4.75	6.10	4.10	3.42
	Moranhat	83I4D1	Dug	4.80	1.06	2.80	3.84
	Santak	ASSA04	Dug	11.40	NA	9.30	2.20
	Sapekhati	83M4A1	Dug	6.08	2.45	2.30	3.00
	Sibsagar	83J1C2	Dug	1.65	1.14	NA	3.99
	Sonarigaon	ASSA02	Dug	NA	1.53	2.00	3.86
Sonitpur	18th Mile	ASSP29	Dug	2.45	1.00	1.59	2.19
	Balipara	83B1D4	Dug	2.05	0.95	1.73	2.10
	Barchola	83B2B5	Dug	NA	1.91	1.95	2.72
	Bihupukhuri	83F2A7	Dug	8.45	5.83	6.07	6.90
	Biswanath	83F2A8	Dug	9.02	3.89	5.65	7.63
	Borgang	83F1B2	Dug	2.89	0.91	1.86	2.60
	Buroighat	ASSP 25	Dug	2.94	0.97	1.89	2.43
	Charduar	83B1D1	Dug	3.50	1.77	2.87	3.38
	Dhalaibil	83B1D3	Dug	5.23	2.88	3.54	4.65
	Dhekiajuli	83B2B2	Dug	4.12	2.13	2.69	3.67
	Garumari	83B1D2	Dug	6.33	0.57	1.64	3.84
	Gohpur	83F1C2	Dug	2.23	0.39	1.17	1.81
	Hawajan	83F1C4	Dug	3.45	0.31	1.03	3.09
	Helem	ASSP24	Dug	2.44	0.34	1.48	2.03
	Jamuguri North	83B2D3	Dug	2.49	1.34	1.30	2.26
	Japoriguri	ASSP27	Dug	3.29	NA	1.97	NA
	Ketela TE	ASSP26	Dug	3.22	0.86	1.96	2.44
	Kolabari	ASSP23	Dug	2.18	0.17	0.88	1.10
	Na Pam	ASSP31	Dug	NA	0.63	1.27	1.87
	Panigaon Ow	ASSP32	Pz	NA	NA	2.37	NA
	Sootia	83F2A2	Dug	3.79	2.16	2.03	3.45
	Tezpur	83B2D2	Dug	6.96	3.39	5.34	5.67
	Thelamara	ASSP30	Dug	3.62	1.01	2.00	3.36
	Tolakbari Ow	ASSP34	Pz	4.04	1.65	3.13	3.49
	Tupia	ASSP28	Dug	5.76	3.39	4.21	5.25
Tinsukia	Bordumsa	83M3D3	Dug	0.28	0.84	1.71	1.50
	Borgolai	83M3C2	Dug	2.32	0.83	1.42	2.36
	Bortorani	83M2B4	Dug	1.90	0.54	1.65	2.30
	Digboi	83M3C1	Dug	4.65	1.03	1.43	2.47
	Jagun	83M3D4	Dug	4.42	1.27	2.65	3.97
	Jaipur naharjan	83M4B5	Dug	NA	0.74	1.43	2.33
	Ledo forest off	83M3C3	Dug	2.31	0.76	4.97	5.64

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	Lekhapani	83M3D1	Dug	6.07	1.60	3.81	3.73
	Panitola	83M3B4	Dug	4.71	0.64	3.64	4.54
	Philobari	83M2C7	Dug	NA	0.98	5.20	5.37
	Rangagora guijn	83M2B3	Dug	2.20	0.64	1.98	2.48
	Tinsukia	83M3B2	Dug	5.03	1.27	3.56	4.20
	Tirap gate	83M3D2	Dug	4.75	1.47	4.90	5.32
Meghalaya							
East Garo Hills	Baiza Rongreng	MLEG15	Dug	NA	NA	NA	4.11
	Bajengdoba	78K1C2	Dug	NA	NA	3.40	3.52
	Dainadubi	MLEG11	Dug	4.21	NA	3.60	3.75
	Darugiri	78K2D2	Dug	4.15	NA	2.56	3.51
	Depa sarangma	78K1D4	Dug	NA	NA	2.12	2.81
	Dobetkolgiri	MEEG12	Dug	NA	NA	NA	2.85
	Dobu	MLEG13	Dug	NA	NA	NA	2.45
	Kharkutta	78K1D7	Dug	4.32	NA	2.56	3.05
	Mendal	78K1B1	Dug	NA	NA	1.85	2.29
	Mendipathar	78K1C1	Dug	NA	NA	3.10	3.32
	Narringirri	MLEG14	Dug	NA	NA	NA	2.13
	Rongjeng	78K2D1	Dug	5.25	NA	5.05	4.74
	Rongmil	78K2D3	Dug	3.90	NA	2.87	2.94
	Samanda Megapagre	MLEG16	Dug	3.30	NA	NA	2.71
	Songsak	MLEG17	Dug	NA	NA	NA	1.75
	Williamnagar	78K2C2	Dug	2.08	NA	NA	2.06
East Khasi Hills	Balat	78O4B1	Dug	7.51	2.62	6.53	8.57
	Cherrapunji	78O3C1	Dug	1.38	NA	0.41	0.54
	Dhankheti	MLEK08	Dug	1.86	2.24	1.76	1.63
	Golf Link	MLEK07	Dug	7.57	1.47	2.78	3.73
	Lachuamiere	MLEK09	Dug	1.11	0.45	0.85	1.01
	Mawpat	MLEK11	Dug	NA	6.26	3.56	2.40
	Nongmynsong	MLEK12	Dug	NA	1.44	2.73	2.72
	Rynjah (R & R Col)	MLEK10	Dug	NA	3.90	4.88	5.32
	Shillong Polo	78O2D1	Dug	7.57	1.47	NA	1.25
Jaintia hills	Dauki	83C4A1	Dug	3.08	0.75	1.57	1.86
	Jowai	83C3A1	Dug	NA	1.07	0.40	0.57
Ri-Bhoi	Byrnihat	MLRB02A	Dug	2.75	1.05	1.70	2.60
	Nongpoh	78O1D1	Dug	2.90	1.50	2.65	2.82
West Garo Hills	Ampati	78G3D1	Dug	4.30	NA	NA	NA
	Asanang	78K2B1	Dug	4.03	NA	3.13	3.13
	Baljek	ASWG17	Dug	2.85	NA	2.10	2.38
	Barengapara	78K4A1	Dug	5.03	NA	NA	7.14
	Barengapara II	ASWG22	Dug	4.95	NA	NA	3.92
	Belguri	ASWG21	Dug	7.10	NA	6.67	6.82
	Garobandha	78K2A1	Dug	2.16	NA	NA	NA
	Kherapara	78K3A2	Dug	NA	NA	NA	3.27
	Nidanpur II	ASWG19	Dug	NA	NA	0.85	1.08
	Nongopara	ASWG24	Dug	2.45	NA	NA	NA
	Phulbari	78K1A1	Dug	7.47	NA	2.17	3.29
	Phutamati	ASWG20	Dug	2.70	NA	1.50	1.62
	Purkhasia	78K3A1	Dug	4.92	NA	NA	NA
	Rongram	ASWG18	Dug	3.20	NA	3.15	3.28
	Tikrikilla	78K1A2	Dug	7.78	NA	7.63	7.69
	Zikzak	78G3D3	Pz	4.25	NA	NA	NA

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West Khasi Hills	Mairang	78O2C1	Dug	1.16	0.38	0.73	0.80
Nagaland							
Dimapur	3 Mile Bazar	NLDM19	Dug	8.15	NA	11.00	11.50
	7th Mile Colony	NLDM21	Dug	11.80	NA	8.50	8.58
	Bade Bazar	NLDM14	Dug	6.85	NA	4.90	9.11
	Chumkidima	83G1D1	Dug	3.53	NA	0.85	3.08
	Dgm Colony	83G1C8	Pz	21.01	NA	16.75	20.97
	Dgmofficedimapur	83G13GM10	Pz	23.36	NA	27.58	28.11
	Dhansiripar	83G1C5	Dug	4.28	NA	6.87	4.56
	Dimapur	83G1C2	Dug	14.25	NA	4.00	11.19
	Diphupar	NLDM22	Dug	8.75	NA	2.65	2.71
	Doyabur DMC	NLDM12	Dug	7.47	NA	4.90	5.66
	Industrial Estate	83G1C7	Dug	4.44	NA	4.50	3.79
	Jalukie	83G2C1	Dug	9.20	NA	3.69	7.09
	Maibiram	NLDM13	Dug	NA	NA	5.30	5.82
	Marwari Colony	83G1C9	Dug	6.34	NA	2.84	3.34
	Purana Bazar	83G1C10	Pz	13.36	NA	12.80	10.95
	Rilayan Colony	NLDM24	Dug	18.81	NA	20.46	20.22
	Seirujha Colony Chumukedi	83G9GM11	Pz	18.81	NA	12.20	12.45
	Singrijan	83G1C6	Dug	5.59	NA	4.04	4.76
	Thilaxu Block-II	NLDM16	Dug	9.79	NA	11.14	4.56
	Zakesatho Colony	NLDM23	Dug	4.90	NA	5.60	5.64
	Zion Hospital	NLDM18	Dug	8.15	NA	7.35	8.08
Kohima	Cathedral Complex	83K2A1	Dug	2.86	NA	1.81	2.86
	NLSA Complex	83K2A2	Pz	4.22	NA	4.18	3.98
	Sepfuzou Colony	83K2A3	Dug	6.29	NA	6.18	6.51
Mokokchung	Lampi	83J3B1	Pz	3.17	NA	2.11	1.72
Mon	Mon Town	83N2GM14	Pz	35.77	NA	34.49	34.38
	Namsa	83J1D1	Dug	4.25	NA	2.44	3.36
Phek	Phek Town	83K6GM13	Pz	54.44	NA	64.07	53.56
Tuensang	Tuensang	83J16GM12	Pz	38.43	NA	37.41	37.42
Wokha	New Market	83J4B2	Dug	11.58	NA	4.35	11.13
	Tourist Lodge	83J4B1	Dug	5.52	NA	2.47	3.70
	Wokha Town	83N2GM15	Pz	28.08	NA	49.59	26.82
Tripura							
Dhalai	Abhanga N	TRDL04	Dug	5.43	1.35	2.12	NA
	Ambassa N	TRDL06	Dug	2.55	0.13	1.83	NA
	Darlang Basti	TRDL02	Dug	NA	NA	NA	4.00
	Durga Chowmuhani	TRDL01	Dug	NA	NA	NA	4.04
	Kamalpur	78P4D1	Dug	3.59	1.84	1.54	NA
	Manu N	TRDL05	Dug	5.55	4.79	4.27	NA
North Tripura	Bagbasa N	TRNT10	Dug	1.45	0.46	1.10	1.45
	Chandramanikami	TRNT18	Dug	NA	NA	NA	4.14
	Dharmanagar	83D3B2	Dug	4.98	4.02	4.12	4.47
	Gauranagar N	TRNT11	Dug	5.56	1.74	2.62	5.63
	Kanchanchhera	TRNT12	Dug	7.76	3.41	2.98	4.35
	Kanchanpur	84A1A1	Dug	NA	2.38	2.01	2.34
	Karaicherra	TRNT14	Dug	NA	1.02	1.61	2.32
	Kumarghat	83D4A6	Dug	5.38	3.61	4.01	5.40
	Laljuri	TRNT15	Dug	NA	6.19	6.18	6.83

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	Panchamnagar	TRNT17	Dug	NA	NA	NA	5.16
	Panisagar	83D4A1	Dug	3.72	2.44	2.77	3.83
	Pecharthal	83D4A7	Dug	6.70	1.66	3.84	5.87
	Rajnagar	TRNT13	Dug	4.46	2.24	2.40	4.14
	Satnala	TRNT16	Dug	NA	NA	NA	0.98
South Tripura	Amarpur	TRST05	Dug	2.11	1.10	1.58	1.58
	Ampi Colony	TRST07	Dug	5.75	4.89	5.13	5.13
	Bampur	TRST 06	Dug	4.14	2.96	3.29	3.29
	Dhawajnagar Udaipur	79M2B8	Dug	4.54	2.38	3.54	3.54
	Gardhang	TRST11	Dug	0.81	0.38	0.71	0.76
	Garjee Bazar	79M3B4	Dug	3.40	0.62	2.09	2.79
	Hrishyamukh	79M4C4	Dug	4.95	2.40	3.81	4.12
	Jhajhari	TRST08	Dug	4.73	0.71	3.19	4.21
	Kalachhara	TRST10	Dug	5.77	3.98	5.14	5.36
	Kankraban	TRST12	Dug	10.33	8.69	9.52	9.52
	Manu Bazar	TRST 9	Dug	4.34	2.67	3.74	4.13
	Manurmukh	TRST03A	Dug	1.15	0.68	1.07	1.06
	Naobari	TRST04	Dug	3.22	1.27	2.57	2.57
	Radhanagar	TRST15	Dug	4.02	1.42	3.18	3.56
	Rajnagar	TRST14	Dug	4.75	2.54	3.96	4.48
	Sabroom	79M4C1	Dug	6.17	3.81	5.61	5.82
	Santirbazar Purba	TRST13	Dug	5.03	2.16	3.89	4.35
West Tripura	Badharghat DTW	TRWT25	Pz	4.09	3.36	3.55	3.73
	Bagan Bazar	TRWT33	Dug	3.98	1.35	1.68	1.96
	Bishalgarh	79M2B1	Dug	3.32	2.59	4.12	4.19
	Bodhjanagar Dtw	TRWT19	Pz	21.85	20.81	20.42	20.75
	Bodhjanagar Stw	TRWT20	Pz	21.00	18.81	18.04	18.70
	Chamapnagar1	TRWT39	Dug	2.80	1.11	1.79	1.98
	Dakshin Kalamcherra	TRWT04A	Dug	1.69	1.39	2.56	2.93
	East Narayanpur	TRWT40	Dug	5.75	NA	NA	3.58
	Gongrai	TRWT36	Dug	3.55	1.88	2.75	3.10
	Ishanpur	TRWT31	Dug	3.96	1.21	0.82	2.82
	Kalyanpur	79M1C2	Dug	4.38	3.80	4.09	4.53
	Kathalia bazar	79M3B5	Dug	2.75	1.64	2.92	3.16
	Kenania	79M2A2	Dug	5.94	6.21	4.67	4.78
	Khowai	78P4C5	Dug	2.08	1.52	2.16	1.88
	Lichubagan STW	TRWT22	Pz	5.84	5.09	6.27	6.55
	Mohanpur2	TRWT38	Dug	NA	0.86	0.86	3.11
	Nagicherra1	TRWT29	Pz	27.75	25.47	24.73	25.59
	Nagicherra2	TRWT30	Pz	21.95	28.58	28.56	29.26
	Narsinghgarh DTW	TRWT28	Pz	11.07	7.48	8.82	9.28
	Paschim Howaibari	TRWT34	Dug	4.35	2.32	3.06	3.87
	Simna	78P4B1	Dug	6.19	4.65	5.61	5.39
	Sipoyjala	79M2B7	Dug	2.49	1.97	NA	NA
	Sonamura1	79M3B6	Dug	3.54	NA	1.53	2.65
	Subalsingh	TRWT32	Dug	7.91	5.84	6.90	7.23
	Suryamaninagar DTW	TRWT23	Pz	6.69	5.76	6.27	NA
	Suryamaninagar STW	TRWT24	Pz	6.70	5.39	6.01	6.22
	Tufaniamura	TRWT35	Dug	4.62	4.31	3.95	4.26
	Tuimadhu	TRWT37	Dug	3.94	4.34	4.70	5.06

ANNEXURE – IIA

Monthly Water level monitoring wells in NER

State / District	Village	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15
ARUNACHAL PRADESH													
Changlang	Jairampur	3.84	5.23	5.58	6.00	5.74	4.36	1.79	3.80	2.55	4.72	4.96	5.89
East Siang	Ruksin	3.42	-	3.72	2.76	1.75	1.44	1.22	1.33	2.22	2.30	1.88	2.33
Papumpare	Banderdewa-I	12.41	11.69	11.39	11.87	11.72	NA	NA	10.03	10.28	10.87	11.12	12.23
Papumpare	Chimpu	3.47	3.10	3.13	4.17	1.57	1.19	0.64	1.72	2.06	2.62	3.31	3.35
Papumpare	Itanagar-I	3.82	4.15	3.85	4.60	1.98	NA	NA	1.18	1.89	2.21	2.97	3.52
Papumpare	Itanagar-II	1.80	2.27	2.15	2.96	0.86	0.91	0.85	0.32	0.31	0.37	0.76	1.62
Papumpare	Naharlagun-I	7.49	7.99	7.84	7.92	NA	4.87	4.38	4.65	4.94	5.78	8.21	6.68
Papumpare	Nirjuli Vill-I	1.12	1.15	1.03	1.33	0.96	0.67	0.72	1.57	0.90	1.00	1.06	1.02
Papumpare	Nirjuli Vill-II	NA	-0.07	-0.27	0.18	-0.51	-0.39	-0.70	-0.58	-0.43	-0.28	-0.18	-0.06
ASSAM													
Bongaigaon	Baithamari IB	3.84	4.34	4.24	4.24	1.24	0.74	1.44	0.94	1.34	2.24	2.79	3.74
Bongaigaon	Manikpur	2.80	3.00	3.20	3.30	1.80	0.80	1.10	0.90	1.10	2.00	2.50	2.70
Cachar	Borjalinga	0.76	2.32	1.44	1.27	0.95	1.40	0.80	0.78	0.92	0.86	0.88	0.90
Cachar	Digarkhal	5.20	5.29	5.35	3.45	2.22	2.35	2.95	1.45	2.25	3.21	4.33	-
Darrang	Dalgaon	4.39	4.61	4.78	4.50	3.51	2.58	2.73	1.32	2.02	3.09	3.65	3.89
Darrang	Thekerabari	4.28	4.54	4.73	4.44	3.47	2.57	2.69	1.22	2.04	3.04	3.54	3.87
Dhubri	Bagaribari	14.60	14.75	14.83	14.94	14.80	15.01	13.84	14.75	13.93	13.11	13.71	14.50
Dhubri	Bilasipara	3.25	3.35	3.40	2.72	0.92	1.17	1.81	1.88	1.69	2.57	2.84	3.02
Dhubri	Chapar	4.50	4.67	4.79	4.98	4.30	2.35	-0.90	1.53	2.45	3.73	4.15	3.45
Dhubri	Dhubri	4.90	5.10	5.30	7.00	1.25	0.90	1.30	0.90	1.65	2.00	4.10	4.40
Dhubri	Rupshi	3.30	2.95	3.35	3.60	2.36	1.85	2.24	1.25	1.60	1.86	1.75	3.20
Dibrugarh	Barbaruah	5.30	5.18	6.70	5.77	4.39	3.70	2.60	-	-	-	-	-
Kamrup	Agayathuri	5.35	4.15	5.05	4.15	4.00	0.90	2.05	1.35	1.75	3.45	4.10	5.05
Kamrup	Hajo	1.12	1.12	1.66	2.12	0.64	0.13	1.07	-	-	-	-	-
Kamrup	Rangia	0.44	0.45	-	-	-	-	-	-	-	-	-	-
Kamrup	Sonapur	-	-	-	-	-	-	-	-	-	-	4.17	4.76
Kamrup	Sualkuchi	-	3.64	-	-	-	-	-	-	-	-	-	-

ANNEXURE – IIA

Monthly Water level monitoring wells in NER

State / District	Village	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15
Kamrup	Tihu	1.73	1.77	1.75	2.23	0.89	0.96	0.84	0.57	0.88	1.47	1.65	1.86
Kamrup (M)	Amingaon (GWMS)	5.22	4.92	5.27	3.47	3.27	3.00	3.40	0.24	4.08	3.44	5.05	5.71
Kamrup (M)	Ashwaklanta Temple	6.46	2.39	3.42	2.79	2.58	2.15	1.61	1.84	3.26	2.67	4.22	4.00
Kamrup (M)	Avayapuri	1.54	1.53	1.94	1.29	2.06	1.78	1.52	1.42	2.47	2.55	2.39	2.10
Kamrup (M)	Azara PHC (GWMS)	4.64	5.82	5.68	3.60	3.77	0.66	0.93	0.58	1.26	1.68	4.45	5.55
Kamrup (M)	Bakarapara	4.24	3.97	4.86	3.03	2.66	1.14	0.82	1.01	2.07	1.81	3.37	4.35
Kamrup (M)	Basitha FG	10.74	10.74	11.74	10.77	11.30	10.03	8.70	11.54	10.56	10.83	11.77	12.20
Kamrup (M)	Bhellaguri	2.40	3.45	3.67	2.41	2.18	0.73	0.66	0.62	1.26	0.85	1.83	2.38
Kamrup (M)	Boragaon (GWMS)	8.56	6.06	8.46	1.33	1.42	0.85	0.86	0.93	1.67	1.31	2.55	7.63
Kamrup (M)	Choonsali, Madhabpur	3.99	4.25	4.44	4.32	4.06	3.33	3.23	2.98	4.77	3.46	4.12	4.51
Kamrup (M)	Dirgheshwari (GWMS)	3.60	3.68	4.02	3.83	2.58	0.93	1.12	1.02	1.80	1.82	3.58	4.41
Kamrup (M)	Dte of Agri	7.30	8.10	8.36	7.73	6.55	4.45	4.75	NAP	5.93	5.37	7.06	8.45
Kamrup (M)	Fatasil-Ambari	2.18	2.40	2.40	1.46	1.40	0.95	1.34	1.04	1.53	1.44	2.88	2.53
Kamrup (M)	Ganesh Mandir, Narengi	3.97	5.27	5.47	4.10	3.74	2.89	2.77	2.75	3.62	4.64	3.48	3.95
Kamrup (M)	Garigaon	1.45	NA	NA	0.98	NA	0.36	0.21	GL	0.90	0.75	2.03	2.14
Kamrup (M)	GMC	1.08	1.58	1.76	1.05	1.22	0.87	0.91	0.87	2.14	1.23	2.55	2.49
Kamrup (M)	Hengrabari FG	1.60	1.60	1.64	0.95	0.91	1.13	1.33	1.34	2.08	1.55	2.09	2.25
Kamrup (M)	kacharibastiChristian	8.52	8.92	9.02	NA	5.86	4.43	5.64	5.44	5.90	6.77	9.25	9.00
Kamrup (M)	Kahilipara (GWMS)	1.73	6.09	8.83	2.84	2.37	1.36	1.20	1.65	2.21	1.98	2.89	3.42
Kamrup (M)	Khanapara Sc. Museum (GWMS)	5.05	8.20	9.35	3.77	2.40	1.13	NA	0.92	2.08	2.44	4.32	4.75
Kamrup (M)	krishnagar	4.63	GL	5.44	4.50	3.81	3.37	3.39	3.61	GL	4.29	5.40	5.87
Kamrup (M)	Lachitpur	9.49	NA	10.27	4.94	4.37	0.97	1.29	1.22	2.27	3.38	6.45	7.78
Kamrup (M)	Lakhra Chariali	4.67	5.57	5.57	5.02	4.57	3.83	3.94	1.47	4.04	3.63	3.91	6.10
Kamrup (M)	Lakshmi Mandir	8.70	7.90	8.50	7.26	6.44	3.47	0.40	2.72	5.03	8.35	9.05	9.15
Kamrup (M)	Lalganesh Chariali	3.06	GL	5.57	2.19	2.94	1.23	0.73	1.73	2.52	1.81	3.44	4.15
Kamrup (M)	Lalmati New	NA	NA	2.82	2.35	0.51	NA	0.74	1.12	NA	NA	2.60	4.00
Kamrup (M)	Mairapatti	6.49	5.09	6.11	4.42	5.97	1.09	1.66	0.59	1.76	2.31	5.69	7.87

ANNEXURE – IIA

Monthly Water level monitoring wells in NER

State / District	Village	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15
Kamrup (M)	Maligaon (GWMS)	1.20	1.00	1.10	0.68	0.55	0.55	0.13	0.63	1.00	0.45	1.45	1.60
Kamrup (M)	Narangi	6.82	6.92	7.88	7.15	6.79	5.55	5.42	6.50	8.14	7.39	7.89	8.25
Kamrup (M)	Paltan bazar (GWMS)	0.80	1.06	0.88	0.39	0.53	0.43	0.38	0.70	1.30	0.94	1.49	1.99
Kamrup (M)	Panjabari	9.75	10.60	10.55	10.38	9.88	7.53	7.59	8.72	7.80	7.50	10.28	9.75
Kamrup (M)	Patgaon	1.30	1.30	1.68	1.18	1.13	0.72	0.90	0.96	1.56	0.85	1.95	2.06
Kamrup (M)	Patherquery	1.54	1.20	1.84	0.88	0.64	0.75	1.24	1.32	1.52	1.29	1.38	1.85
Kamrup (M)	Sijubari	NA	7.91	NA	4.83	4.44	3.46	3.11	3.20	4.43	4.45	5.66	9.55
Kamrup (M)	Survey Odalbakra	6.50	7.85	6.42	6.66	3.57	4.85	3.50	2.09	5.43	5.39	6.67	7.10
Kamrup (M)	Vishwakarma Temple	3.92	4.15	5.40	1.22	1.23	1.00	1.29	1.19	2.10	1.38	2.24	2.24
Kamrup (M)	Wireless	1.82	1.50	1.50	0.97	0.74	0.71	0.37	1.02	1.60	1.17	1.88	1.85
Kamrup (M)	Zoo Narengi Road HS (GWMS)	6.06	8.20	6.22	3.14	3.32	2.93	3.06	2.70	4.43	3.21	4.65	7.00
Karbi Anglong	Dillai	3.41	3.46	3.91	4.01	6.11	6.01	6.11	2.91	3.11	3.91	4.21	4.31
Karbi Anglong	Diphu	-	-	-	-	-	-	-	12.33	14.71	18.21	18.43	18.42
Karbi Anglong	Khatkhati	4.05	4.41	4.77	4.13	4.19	3.55	3.09	3.32	3.73	3.79	4.01	4.03
Karbi Anglong	Siljuri	7.41	8.05	7.21	6.89	6.39	4.74	4.12	3.67	4.85	6.21	7.02	7.10
Karbi Anglong	Silonijan	6.55	7.45	7.30	7.61	7.72	7.81	7.90	7.30	8.40	8.45	6.15	6.25
Karimganj	Badarpur	4.55	4.75	5.55	2.75	1.35	0.75	0.95	1.15	1.35	1.95	2.95	3.75
Karimganj	Dhualia	-		0.48	0.45	0.45	0.50	0.50	0.65	0.55	0.50	0.45	0.40
Karimganj	Hatikira	1.70	1.81	2.02	1.66	1.31	1.16	1.03	1.17	1.10	1.56	1.75	1.77
Lakhimpur	North Lakhimpur	3.27	3.30	3.44	-	2.30	1.84	-	0.98	0.78	1.77	2.48	0.98
Nagaon	Ding	-	-	4.81	5.21	4.61	4.31	2.51	2.26	2.03	2.93	3.25	3.91
Nagaon	Gomatha	4.04	3.27	2.71	3.35	3.95	1.95	1.10	2.60	2.27	1.40	2.89	3.25
Nagaon	Joraphukuri	6.36	6.30	6.32	6.34	6.26	6.52	6.06	5.76	5.84	5.82	5.94	6.09
Nagaon	Lanka	-	-	-	-	-	-	-	-	-	5.96	5.98	6.14
Nagaon	Samuguri	3.42	3.80	4.40	3.90	4.90	2.90	0.80	3.90	3.60	3.90	4.00	3.60
Nagaon	Sulung PO	4.29	5.28	5.46	5.41	5.46	2.51	2.06	4.15	3.28	2.63		4.12
Sibsagar	Moranhat	4.80	5.20	5.88	5.12	3.73	2.10	2.70	3.30	3.00	2.77	-	-

ANNEXURE – IIA

Monthly Water level monitoring wells in NER

State / District	Village	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15
Sibsagar	Sapekhati	3.90	6.10	6.15	5.60	1.80	1.60	2.45	2.10	2.80	2.30	2.90	3.00
Sibsagar	Sibsagar	3.65	3.42	3.54	3.25	3.37	2.13	1.16	1.49	2.33	2.78	2.96	3.00
Sonitpur	Barchola	4.12	4.12	4.45	4.54	4.24	3.45	3.26	2.72	2.33	2.74	2.55	2.57
Tinsukia	Jagun	4.60	5.33	2.57	3.65	3.30	4.36	2.17	2.23	1.50	2.88	3.55	4.95
Tinsukia	Lekhapani	5.30	5.20	5.33	2.75	3.12	3.48	2.09	3.56	3.35	4.30	4.98	5.50
Tinsukia	Panitola	4.95	5.16	1.80	1.40	1.60	1.50	1.26	3.80	4.12	5.00	5.76	5.27
Tinsukia	Tinsukia	-	-	-	-	-	-	-	-	-	-	-	5.90
Tinsukia	Tipong	4.55	4.80	4.87	2.45	3.00	3.45	2.12	3.80	4.12	5.00	5.68	5.90
Tinsukia	Tirap Gate	6.57	7.20	7.50	7.10	2.50	3.63	2.27	2.80	3.65	5.70	5.76	6.50
MEGHALAYA													
East Garo Hills	Williamnagar	2.00	2.00	2.10	1.20	1.10	1.00	0.90	0.70	0.90	NA	NA	2.06
East Khasi Hills	Dhankheti	1.84	1.86	1.89	2.39	1.74	1.86	2.24	1.11	1.85	1.76	1.76	1.84
East Khasi Hills	Golf Links	5.65	7.57	9.72	8.04	2.77	2.38	1.47	0.78	2.21	2.78	3.29	3.73
East Khasi Hills	Lr. Lachaumiere	1.10	1.11	1.35	0.86	0.35	0.64	0.45	0.24	0.63	0.85	1.00	1.01
East Khasi Hills	Mawpat	-	-	-	-	-	NA	6.26	1.56	2.46	3.56	4.86	2.40
East Khasi Hills	Nongmynsong	-	-	-	-	-	NA	1.44	NA	4.93	2.73	2.85	2.72
East Khasi Hills	Umpling/R&R Colony	-	-	-	-	-	-	-	-	-	4.88	4.89	5.32
Ri-Bhoi	Nongpoh	3.03	3.28	2.88	2.63	2.13	2.20	NA	1.73	1.78	3.03	3.78	2.82
West Khasi Hills	Mairang	1.40	1.16	1.30	0.64	0.44	0.52	0.68	0.50	0.47	0.73	0.91	0.80
NAGALAND													
Dimapur	Bamunpukhri-I village	6.84	7.37	7.78	7.85	5.71	5.44	3.41	4.68	4.13	NA	4.13	6.76
Dimapur	DGM colony Quarter no28	4.65	5.31	4.78	4.67	2.78	2.45	0.80	1.46	0.84	NA	2.71	4.85
Dimapur	F.O. compound,chumikedima	3.89	4.36	5.00	4.76	2.94	2.32	1.50	2.39	1.76	2.68	2.93	3.01
Dimapur	Forest colony , Dimapur	14.30	15.13	14.10	14.15	6.61	6.44	1.90	2.78	2.54	3.17	3.69	11.09
Dimapur	Govt. college, Dimapur	6.06	6.76	7.49	7.29	4.76	4.55	3.23	3.85	3.38	3.60	5.04	5.26
Dimapur	vocational training centre	2.34	2.61	2.91	2.61	2.54	2.34	2.25	2.97	2.00	NA	2.46	2.20

ANNEXURE – IIA

Monthly Water level monitoring wells in NER

State / District	Village	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15
Kohima	R.Angami's Compound Sepfuzou Colony Kohima	6.64	6.67	6.66	6.25	5.63	5.30	1.66	2.23	2.32	6.32	6.05	6.65
Wokha	Namsa, Agri.Seed Farm Tizit	4.03	4.57	5.30	2.91	2.34	2.25	0.95	1.71	1.45	2.39	3.00	3.31
Wokha	Tourist Lodge Compound Wokha	4.79	5.52	5.60	4.65	4.43	4.14	0.47	1.28	1.74	2.52	3.75	3.75
TRIPURA													
Dhalai	Ambassa	1.75	2.01	1.08	1.72	0.82	0.28	0.03	0.30	0.62	0.98	1.32	1.64
Khowai	Bagan Bazaar	-	-	-	-	-	-	-	1.20	1.29	1.52	1.81	2.00
Khowai	Kalyanpur	-	-	-	-	-	-	-	3.77	3.82	3.99	4.11	4.20
Khowai	Khowai	2.11	2.22	1.96	1.64	1.56	1.57	1.63	1.25	1.74	1.98	2.00	1.85
North Tripura	Baghbassa	-	1.23	0.99	0.72	0.28	0.23	0.18	0.22	0.26	0.48	0.81	0.84
North Tripura	Dharmanagar	4.38	5.27	5.16	4.10	3.89	4.00	3.86	3.91	3.95	4.75	5.17	5.36
North Tripura	Panisagar	4.78	4.94	4.94	3.87	3.19	2.89	2.37	2.47	2.78	3.18	3.70	4.10
North Tripura	Pecharthal	6.19	7.14	6.93	2.53	1.13	2.19	1.56	1.77	2.86	4.59	5.52	6.14
Unakoti	Gaurngar	5.66	6.05	6.18	3.31	2.07	2.08	2.01	1.68	1.84	2.03	2.33	5.61
West Tripura	AD Nagar	5.92	6.26	6.76	3.54	4.42	4.01	3.37	3.60	NA	5.13	4.49	4.49
West Tripura	East Narayanpur	4.85	5.82	5.85	Dry	2.25	Dry	Dry	Dry	NA	NA	3.46	3.66
West Tripura	Ishanpur	-	-	-	-	-	-	-	0.43	0.55	1.62	2.42	2.85
West Tripura	Jogindar nagar	6.41	7.04	7.28	Dry	4.86	4.53	4.23	4.40	NA	5.04	5.03	6.28
West Tripura	Malainagar	5.19	5.41	5.74	4.10	4.48	4.60	4.14	4.32	NA	4.91	5.07	5.15
West Tripura	Mohanpur	-	-	-	-	-	-	-	0.90	1.27	2.07	3.09	3.29
West Tripura	Nathpara	7.01	7.57	7.89	7.67	7.20	6.67	6.50	6.46	NA	6.87	6.87	6.94
West Tripura	Radhakishore nagar	3.86	4.08	3.62	3.24	1.81	2.65	1.98	3.14	NA	3.26	3.24	3.52
West Tripura	Simna	5.71	6.11	5.81	4.77	4.92	4.73	4.79	4.71	4.73	4.91	5.28	5.41
West Tripura	SM Nagar	5.08	5.20	6.21	3.61	4.37	5.00	4.03	4.16	NA	4.90	6.49	4.94

ANNEXURE- III

DEPTH TO WATER LEVEL RANGE MARCH - 2014

State / District	No of WL measured	DTW(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	2.33	4.35	0	0	4	100	0	0	0	0	0	0
East Siang	7	2.59	11.09	0	0	4	57.1	0	0	3	42.9	0	0
Lohit	1	5	5	0	0	1	100	0	0	0	0	0	0
Papumpare	8	-0.07	11.69	3	37.5	3	37.5	1	12.5	1	12.5	0	0
Tirap	3	3.38	6.13	0	0	2	66.7	1	33.3	0	0	0	0
Total	**23**			**3**	**13.04**	**14**	**60.87**	**2**	**8.7**	**4**	**17.39**	**0**	**0**
Assam													
Baksha	1	3.08	3.08	0	0	1	100	0	0	0	0	0	0
Barpeta	9	2.59	4.95	0	0	9	100	0	0	0	0	0	0
Bongaigaon	9	2.2	9.1	0	0	8	88.9	1	11.1	0	0	0	0
Cachar	22	0.23	9.01	7	31.8	10	45.5	5	22.7	0	0	0	0
Darrang	19	1.35	10.51	2	10.5	14	73.7	2	10.5	1	5.3	0	0
Dhemaji	16	1.14	9.25	2	12.5	12	75	2	12.5	0	0	0	0
Dhubri	13	1.91	16.64	1	7.7	7	53.8	2	15.4	3	23.1	0	0
Dibrugarh	5	1.38	5.15	1	20	3	60	1	20	0	0	0	0
Goalpara	19	2.25	7.35	0	0	14	73.7	5	26.3	0	0	0	0
Golaghat	7	1.8	9.7	1	14.3	2	28.6	4	57.1	0	0	0	0
Hailakandi	5	1.55	8.08	2	40	2	40	1	20	0	0	0	0
Jorhat	12	0.48	2.89	7	58.3	5	41.7	0	0	0	0	0	0
Kamrup	30	0.42	8.2	9	30	11	36.7	10	33.3	0	0	0	0
Karbi Anglong	20	1.31	11.45	1	5	12	60	6	30	1	5	0	0
Karimganj	10	0.12	5.55	7	70	2	20	1	10	0	0	0	0
Lakhimpur	17	1.48	5.75	2	11.8	13	76.5	2	11.8	0	0	0	0
Morigaon	13	1.94	8.12	1	7.7	10	76.9	2	15.4	0	0	0	0
Nagaon	32	1.23	9.83	3	9.4	19	59.4	10	31.3	0	0	0	0
Nalbari	2	2.19	2.79	0	0	2	100	0	0	0	0	0	0
Sibsagar	7	1.65	15.3	1	14.3	2	28.6	2	28.6	2	28.6	0	0
Sonitpur	23	-0.18	9.02	1	4.3	16	69.6	6	26.1	0	0	0	0
Tinsukia	13	0.28	6.07	2	15.4	9	69.2	2	15.4	0	0	0	0
Total	**304**			**50**	**16.45**	**183**	**60.2**	**64**	**21.05**	**7**	**2.3**	**0**	**0**
Meghalaya													
East Garo Hills	7	2.08	5.25	0	0	6	85.7	1	14.3	0	0	0	0
East Khasi Hills	6	1.11	7.57	3	50	0	0	3	50	0	0	0	0
Jaintia hills	1	3.08	3.08	0	0	1	100	0	0	0	0	0	0
Ri-Bhoi	2	2.75	2.9	0	0	2	100	0	0	0	0	0	0
West Garo Hills	14	2.16	7.78	0	0	10	71.4	4	28.6	0	0	0	0
West Khasi Hills	1	1.16	1.16	1	100	0	0	0	0	0	0	0	0

State / District	No of WL measured	DTW(mbgl)		0-2 (m)		2-5 (m)		5-10 (m)		10-20 (m)		>20 (m)	
		Min	Max	No	%	No	%	No	%	No	%	No	%
Total	**31**			**4**	**12.9**	**19**	**61.29**	**8**	**25.81**	**0**	**0**	**0**	**0**
Nagaland													
Dimapur	20	3.53	23.36	0	0	4	20	9	45	5	25	2	10
Kohima	3	2.86	6.29	0	0	2	66.7	1	33.3	0	0	0	0
Mokokchung	1	3.17	3.17	0	0	1	100	0	0	0	0	0	0
Mon	2	4.25	35.77	0	0	1	50	0	0	0	0	1	50
Phek	1	54.44	54.44	0	0	0	0	0	0	0	0	1	100
Tuensang	1	38.43	38.43	0	0	0	0	0	0	0	0	1	100
Wokha	3	5.52	28.08	0	0	0	0	1	33.3	1	33.3	1	33.3
Total	**31**			**0**	**0**	**8**	**25.81**	**11**	**35.49**	**6**	**19.35**	**6**	**19.35**
Tripura													
Dhalai	4	2.55	5.55	0	0	2	50	2	50	0	0	0	0
North Tripura	8	1.45	7.76	1	12.5	3	37.5	4	50	0	0	0	0
South Tripura	17	0.81	10.33	2	11.8	10	58.8	4	23.5	1	5.9	0	0
West Tripura	27	1.69	27.75	1	3.7	14	51.9	7	25.9	1	3.7	4	14.8
Total	**56**			**4**	**7.15**	**29**	**51.77**	**17**	**30.36**	**2**	**3.57**	**4**	**7.15**
Grand Total	**445**			**61**	**13.7**	**253**	**56.9**	**102**	**22.9**	**19**	**4.3**	**10**	**2.2**

ANNEXURE- IV

DEPTH TO WATER LEVEL RANGE AUGUST - 2014

State / District	No of WL measured	DTW(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	0.69	1.07	4	100	0	0	0	0	0	0	0	0
East Siang	6	0.19	5.28	5	83.3	0	0	1	16.7	0	0	0	0
Lohit	1	0.58	0.58	1	100	0	0	0	0	0	0	0	0
Papumpare	7	-0.7	10.1	5	71.4	1	14.3	0	0	1	14.3	0	0
Tirap	3	1.22	2.2	2	66.7	1	33.3	0	0	0	0	0	0
Total	**21**			**17**	**81**	**2**	**9.53**	**1**	**4.76**	**1**	**4.76**	**0**	**0**
Assam													
Barpeta	9	0.02	2.14	8	88.9	1	11.1	0	0	0	0	0	0
Bongaigaon	11	0.05	3.74	10	90.9	1	9.1	0	0	0	0	0	0
Cachar	24	0.13	6	22	91.7	1	4.2	1	4.2	0	0	0	0
Darrang	24	0.09	4.33	14	58.3	10	41.7	0	0	0	0	0	0
Dhemaji	15	-0.99	4.39	13	86.7	2	13.3	0	0	0	0	0	0
Dhubri	14	0.03	18.9	8	57.1	3	21.4	0	0	3	21.4	0	0
Dibrugarh	12	0.3	2.82	11	91.7	1	8.3	0	0	0	0	0	0
Goalpara	10	0.87	6.21	7	70	2	20	1	10	0	0	0	0
Golaghat	12	1.2	4.63	7	58.3	5	41.7	0	0	0	0	0	0
Hailakandi	5	0.31	1.61	5	100	0	0	0	0	0	0	0	0
Jorhat	23	0.55	3.11	18	78.3	5	21.7	0	0	0	0	0	0
Kamrup	26	0.18	3.22	22	84.6	4	15.4	0	0	0	0	0	0
Karbi Anglong	29	0.46	9.54	11	37.9	13	44.8	5	17.2	0	0	0	0
Karimganj	9	-0.01	3.1	8	88.9	1	11.1	0	0	0	0	0	0
Lakhimpur	14	0.28	2.74	11	78.6	3	21.4	0	0	0	0	0	0
Morigaon	12	0.65	3.96	8	66.7	4	33.3	0	0	0	0	0	0
Nagaon	28	0.34	5.89	13	46.4	13	46.4	2	7.1	0	0	0	0
Nalbari	2	0.79	0.92	2	100	0	0	0	0	0	0	0	0
Sibsagar	12	0.04	6.1	9	75	2	16.7	1	8.3	0	0	0	0
Sonitpur	23	0.17	5.83	16	69.6	6	26.1	1	4.3	0	0	0	0
Tinsukia	15	0.54	2.18	14	93.3	1	6.7	0	0	0	0	0	0
Total	**329**			**237**	**72**	**78**	**23.7**	**11**	**3.34**	**3**	**0.91**	**0**	**0**
Meghalaya													
East Khasi Hills	8	0.45	6.26	4	50	3	37.5	1	12.5	0	0	0	0
Jaintia hills	2	0.75	1.07	2	100	0	0	0	0	0	0	0	0
Ri-Bhoi	2	1.05	1.5	2	100	0	0	0	0	0	0	0	0
West Khasi Hills	1	0.38	0.38	1	100	0	0	0	0	0	0	0	0
Total	**13**			**9**	**69.2**	**3**	**23.1**	**1**	**7.69**	**0**	**0**	**0**	**0**
Tripura													
Dhalai	4	0.13	4.79	3	75	1	25	0	0	0	0	0	0
North Tripura	11	0.46	6.19	4	36.4	6	54.5	1	9.1	0	0	0	0
South Tripura	17	0.38	8.69	7	41.2	9	52.9	1	5.9	0	0	0	0
West Tripura	28	0.34	28.6	11	39.3	7	25	6	21.4	1	3.6	3	10.7
Total	**60**			**25**	**41.7**	**23**	**38.3**	**8**	**13.3**	**1**	**1.67**	**3**	**5**
Grand Total	**423**			**288**	**68.1**	**106**	**25.1**	**21**	**5**	**5**	**1.2**	**3**	**0.7**

ANNEXURE- V

DEPTH TO WATER LEVEL RANGE NOVEMBER - 2014

State / District	No of WL measured	DTW (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	2.62	4.25	0	0	4	100	0	0	0	0	0	0
East Siang	5	0.58	6.53	2	40	0	0	3	60	0	0	0	0
Lohit	1	2.32	2.32	0	0	1	100	0	0	0	0	0	0
Papumpare	8	-0.28	10.9	4	50	2	25	1	12.5	1	12.5	0	0
Tirap	3	3.53	5.23	0	0	2	66.7	1	33.3	0	0	0	0
Total	**21**			**6**	**28.6**	**9**	**42.9**	**5**	**23.8**	**1**	**4.76**	**0**	**0**
Assam													
Baksha	1	2.22	2.22	0	0	1	100	0	0	0	0	0	0
Barpeta	8	1.27	3.69	3	37.5	5	62.5	0	0	0	0	0	0
Bongaigaon	11	1.75	7.65	3	27.3	7	63.6	1	9.1	0	0	0	0
Cachar	25	0.13	6.49	15	60	9	36	1	4	0	0	0	0
Darrang	20	1.22	3.72	8	40	12	60	0	0	0	0	0	0
Dhemaji	19	0.35	8.17	9	47.4	9	47.4	1	5.3	0	0	0	0
Dhubri	12	1.37	16.1	2	16.7	7	58.3	0	0	3	25	0	0
Dibrugarh	11	0.45	4.72	4	36.4	7	63.6	0	0	0	0	0	0
Goalpara	19	1.4	7.54	2	10.5	16	84.2	1	5.3	0	0	0	0
Golaghat	10	2.03	6.3	0	0	8	80	2	20	0	0	0	0
Hailakandi	5	0.32	2.72	3	60	2	40	0	0	0	0	0	0
Jorhat	17	0.58	2.45	14	82.4	3	17.6	0	0	0	0	0	0
Kamrup	28	0.63	4.61	12	42.9	16	57.1	0	0	0	0	0	0
Karbi Anglong	25	1.08	11.9	8	32	12	48	4	16	1	4	0	0
Karimganj	10	0.05	2.52	8	80	2	20	0	0	0	0	0	0
Lakhimpur	15	1.14	3.8	8	53.3	7	46.7	0	0	0	0	0	0
Morigaon	16	0.96	4.79	2	12.5	14	87.5	0	0	0	0	0	0
Nagaon	29	0.56	9.53	10	34.5	16	55.2	3	10.3	0	0	0	0
Nalbari	2	2.15	3.32	0	0	2	100	0	0	0	0	0	0
Sibsagar	10	2	12.8	1	10	7	70	1	10	1	10	0	0
Sonitpur	25	0.88	6.07	15	60	7	28	3	12	0	0	0	0
Tinsukia	15	1.42	5.2	6	40	8	53.3	1	6.7	0	0	0	0
Total	**333**			**133**	**39.9**	**177**	**53.2**	**18**	**5.41**	**5**	**1.5**	**0**	**0**
Meghalaya													
East Garo Hills	9	1.85	5.05	1	11.1	7	77.8	1	11.1	0	0	0	0
East Khasi Hills	8	0.41	6.53	3	37.5	4	50	1	12.5	0	0	0	0
Jaintia hills	2	0.4	1.57	2	100	0	0	0	0	0	0	0	0
Ri-Bhoi	2	1.7	2.65	1	50	1	50	0	0	0	0	0	0
West Garo Hills	8	0.85	7.63	2	25	4	50	2	25	0	0	0	0
West Khasi Hills	1	0.73	0.73	1	100	0	0	0	0	0	0	0	0
Total	**30**			**10**	**33.3**	**16**	**53.3**	**4**	**13.3**	**0**	**0**	**0**	**0**

State / District	No of WL measured	DTW (mbgl)		0-2 (m)		2-5 (m)		5-10 (m)		10-20 (m)		>20 (m)	
		Min	Max	No	%	No	%	No	%	No	%	No	%
Nagaland													
Dimapur	21	0.85	27.6	1	4.8	8	38.1	5	23.8	5	23.8	2	9.5
Kohima	3	1.81	6.18	1	33.3	1	33.3	1	33.3	0	0	0	0
Mokokchung	1	2.11	2.11	0	0	1	100	0	0	0	0	0	0
Mon	2	2.44	34.5	0	0	1	50	0	0	0	0	1	50
Phek	1	64.07	64.1	0	0	0	0	0	0	0	0	1	100
Tuensang	1	37.41	37.4	0	0	0	0	0	0	0	0	1	100
Wokha	3	2.47	49.6	0	0	2	66.7	0	0	0	0	1	33.3
Total	**32**			**2**	**6.25**	**13**	**40.6**	**6**	**18.8**	**5**	**15.6**	**6**	**18.8**
Tripura													
Dhalai	4	1.54	4.27	2	50	2	50	0	0	0	0	0	0
North Tripura	11	1.1	6.18	2	18.2	8	72.7	1	9.1	0	0	0	0
South Tripura	17	0.71	9.52	3	17.6	10	58.8	4	23.5	0	0	0	0
West Tripura	26	0.82	28.6	5	19.2	11	42.3	6	23.1	1	3.8	3	11.5
Total	**58**			**12**	**20.7**	**31**	**53.5**	**11**	**19**	**1**	**1.72**	**3**	**5.17**
Grand Total	**474**			**163**	**34.4**	**246**	**51.9**	**44**	**9.3**	**12**	**2.5**	**9**	**1.9**

ANNEXURE- VI

DEPTH TO WATER LEVEL RANGE JANUARY - 2015

State / District	No of WL measured	DTW(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	2.66	5.23	0	0	3	75	1	25	0	0	0	0
East Siang	6	2.41	12.77	0	0	3	50	1	17	2	33.3	0	0
Lohit	1	2.61	2.61	0	0	1	100	0	0	0	0	0	0
Papumpare	9	-0.06	11.66	4	44	3	33.3	1	11	1	11.1	0	0
Tirap	3	4	6.93	0	0	1	33.3	2	67	0	0	0	0
Total	**23**			**4**	**17**	**11**	**47.8**	**5**	**22**	**3**	**13.04**	**0**	**0**
Assam													
Baksha	1	2.85	2.85	0	0	1	100	0	0	0	0	0	0
Barpeta	7	2.23	4.24	0	0	7	100	0	0	0	0	0	0
Bongaigaon	11	2.17	8.25	0	0	10	90.9	1	9.1	0	0	0	0
Cachar	22	0	8.38	12	55	7	31.8	3	14	0	0	0	0
Darrang	19	1.3	6.53	1	5.3	15	78.9	3	16	0	0	0	0
Dhemaji	20	1.06	9.08	4	20	12	60	4	20	0	0	0	0
Dhubri	14	1.58	15.99	1	7.1	9	64.3	1	7.1	3	21.4	0	0
Dibrugarh	12	0.56	5.33	3	25	8	66.7	1	8.3	0	0	0	0
Goalpara	19	1.71	8.24	1	5.3	17	89.5	1	5.3	0	0	0	0
Golaghat	12	1.74	8.05	1	8.3	6	50	5	42	0	0	0	0
Hailakandi	5	0	7.07	3	60	1	20	1	20	0	0	0	0
Jorhat	21	1.73	4.41	1	4.8	20	95.2	0	0	0	0	0	0
Kamrup	28	0.82	7.63	6	21	19	67.9	3	11	0	0	0	0
Karbi Anglong	29	2.05	19.21	0	0	22	75.9	5	17	2	6.9	0	0
Karimganj	11	-0.2	3.34	10	91	1	9.1	0	0	0	0	0	0
Lakhimpur	17	0.77	5.06	5	29	11	64.7	1	5.9	0	0	0	0
Morigaon	17	1.64	6.18	1	5.9	14	82.4	2	12	0	0	0	0
Nagaon	31	1.39	6.97	3	9.7	22	71	6	19	0	0	0	0
Nalbari	2	2.56	4.71	0	0	2	100	0	0	0	0	0	0
Sibsagar	13	2.2	8.94	0	0	12	92.3	1	7.7	0	0	0	0
Sonitpur	23	1.1	7.63	3	13	16	69.6	4	17	0	0	0	0
Tinsukia	13	1.5	5.64	1	7.7	9	69.2	3	23	0	0	0	0
Total	**347**			**56**	**16**	**241**	**69.5**	**45**	**13**	**5**	**1.44**	**0**	**0**
Meghalaya													
East Garo Hills	16	1.75	4.74	1	6.3	15	93.8	0	0	0	0	0	0
East Khasi Hills	9	0.54	8.57	4	44	3	33.3	2	22	0	0	0	0
Jaintia hills	2	0.57	1.86	2	100	0	0	0	0	0	0	0	0
Ri-Bhoi	2	2.6	2.82	0	0	2	100	0	0	0	0	0	0
West Garo Hills	11	1.08	7.69	2	18	6	54.5	3	27	0	0	0	0
West Khasi Hills	1	0.8	0.8	1	100	0	0	0	0	0	0	0	0
Total	**41**			**10**	**24**	**26**	**63.4**	**5**	**12**	**0**	**0**	**0**	**0**

State / District	No of WL measured	DTW(mbgl)		0-2 (m)		2-5 (m)		5-10 (m)		10-20 (m)		>20 (m)	
		Min.	Max.	No	%	No	%	No	%	No	%	No	%
Nagaland													
Dimapur	21	2.71	28.11	0	0	7	33.3	7	33	4	19	3	14.3
Kohima	3	2.86	6.51	0	0	2	66.7	1	33	0	0	0	0
Mokokchung	1	1.72	1.72	1	100	0	0	0	0	0	0	0	0
Mon	2	3.36	34.38	0	0	1	50	0	0	0	0	1	50
Phek	1	53.56	53.56	0	0	0	0	0	0	0	0	1	100
Tuensang	1	37.42	37.42	0	0	0	0	0	0	0	0	1	100
Wokha	3	3.7	26.82	0	0	1	33.3	0	0	1	33.3	1	33.3
Total	**32**			**1**	**3.1**	**11**	**34.4**	**8**	**25**	**5**	**15.63**	**7**	**21.87**
Tripura													
Dhalai	2	4	4.04	0	0	2	100	0	0	0	0	0	0
North Tripura	14	0.98	6.83	2	14	7	50	5	36	0	0	0	0
South Tripura	17	0.76	9.52	3	18	10	58.8	4	24	0	0	0	0
West Tripura	26	1.88	29.26	3	12	13	50	6	23	1	3.8	3	11.5
Total	**59**			**8**	**14**	**32**	**54.2**	**15**	**25**	**1**	**1.7**	**3**	**5.08**
Grand Total	**502**			**79**	**16**	**321**	**63.9**	**78**	**16**	**14**	**2.8**	**10**	**2**

ANNEXURE- VII

DISTRICT WISE CATEGORIZATION OF WATER LEVEL FLUCTUATION (AUGUST 2014 AND MARCH 2014)

State / District	Number of Stations Analyzed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
Arunachal Pradesh													
Changlang	4	0	0	0	0	0	0	2	50	2	50	0	0
East Siang	5	0	0	0	0	0	0	0	0	2	40	3	60
Lohit	1	0	0	0	0	0	0	0	0	0	0	1	100
Papumpare	7	0	0	0	0	0	0	4	57.1	3	42.9	0	0
Tirap	3	0	0	0	0	0	0	0	0	3	100	0	0
Total	**20**	**0**	**0**	**0**	**0**	**0**	**0**	**6**	**30**	**10**	**50**	**4**	**20**
Assam													
Barpeta	8	0	0	0	0	0	0	1	12.5	6	75	1	12.5
Bongaigaon	9	0	0	0	0	0	0	1	11.1	6	66.7	2	22.2
Cachar	22	0	0	0	0	0	0	12	54.5	5	22.7	5	22.7
Darrang	19	1	5.3	0	0	0	0	7	36.8	9	47.4	2	10.5
Dhemaji	13	0	0	0	0	0	0	4	30.8	6	46.2	3	23.1
Dhubri	12	0	0	0	0	1	8.3	3	25	5	41.7	3	25
Dibrugarh	5	0	0	0	0	0	0	2	40	3	60	0	0
Goalpara	10	0	0	1	10	0	0	3	30	4	40	2	20
Golaghat	6	0	0	0	0	0	0	2	33.3	2	33.3	2	33.3
Hailakandi	5	0	0	0	0	0	0	3	60	0	0	2	40
Jorhat	12	3	25	0	0	0	0	9	75	0	0	0	0
Kamrup	21	1	4.8	0	0	0	0	11	52.4	6	28.6	3	14.3
Karbi Anglong	18	1	5.6	1	5.6	1	5.6	8	44.4	2	11.1	5	27.8
Karimganj	9	1	11.1	0	0	0	0	6	66.7	1	11.1	1	11.1

State / District	Number of Stations Analyzed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
Lakhimpur	13	0	0	0	0	0	0	5	38.5	8	61.5	0	0
Morigaon	11	2	18.2	0	0	0	0	5	45.5	3	27.3	1	9.1
Nagaon	28	0	0	0	0	0	0	21	75	6	21.4	1	3.6
Nalbari	2	0	0	0	0	0	0	2	100	0	0	0	0
Sibsagar	5	1	20	0	0	0	0	1	20	3	60	0	0
Sonitpur	21	0	0	0	0	0	0	9	42.9	10	47.6	2	9.5
Tinsukia	13	1	7.7	0	0	0	0	4	30.8	6	46.2	2	15.4
Total	**262**	**11**	**4.2**	**2**	**0.76**	**2**	**0.76**	**119**	**45.43**	**91**	**34.73**	**37**	**14.12**
Meghalaya													
East Khasi Hills	5	1	20	0	0	0	0	1	20	0	0	3	60
Jaintia hills	1	0	0	0	0	0	0	0	0	1	100	0	0
Ri-Bhoi	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	**9**	**1**	**11.11**	**0**	**0**	**0**	**0**	**4**	**44.45**	**1**	**11.11**	**3**	**33.33**
Tripura													
Dhalai	4	0	0	0	0	0	0	2	50	1	25	1	25
North Tripura	8	0	0	0	0	0	0	4	50	2	25	2	25
South Tripura	17	0	0	0	0	0	0	9	52.9	7	41.2	1	5.9
West Tripura	25	2	8	0	0	1	4	15	60	7	28	0	0
Total	**54**	**2**	**3.7**	**0**	**0**	**1**	**1.85**	**30**	**55.56**	**17**	**31.48**	**4**	**7.41**
Grand Total	**345**	**14**	**4.1**	**2**	**0.6**	**3**	**0.9**	**159**	**46.1**	**119**	**34.5**	**48**	**13.9**

ANNEXURE- VIII

DISTRICT WISE CATEGORIZATION OF WATER LEVEL FLUCTUATION (NOVEMBER 2014 AND MARCH 2014)

State / District	Number of Stations Analyzed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
Arunachal Pradesh													
Changlang	4	2	50	0	0	0	0	2	50	0	0	0	0
East Siang	5	0	0	0	0	0	0	1	20	1	20	3	60
Lohit	1	0	0	0	0	0	0	0	0	1	100	0	0
Papumpare	8	0	0	0	0	0	0	7	87.5	1	12.5	0	0
Tirap	3	1	33.3	0	0	0	0	2	66.7	0	0	0	0
Total	**21**	**3**	**14.29**	**0**	**0**	**0**	**0**	**12**	**57.13**	**3**	**14.29**	**3**	**14.29**
Assam													
Baksha	1	0	0	0	0	0	0	1	100	0	0	0	0
Barpeta	8	0	0	0	0	0	0	7	87.5	1	12.5	0	0
Bongaigaon	9	0	0	0	0	0	0	8	88.9	1	11.1	0	0
Cachar	21	1	4.8	1	4.8	0	0	13	61.9	4	19	2	9.5
Darrang	18	0	0	0	0	0	0	16	88.9	1	5.6	1	5.6
Dhemaji	15	1	6.7	0	0	0	0	11	73.3	3	20	0	0
Dhubri	12	0	0	0	0	0	0	7	58.3	5	41.7	0	0
Dibrugarh	5	0	0	0	0	0	0	5	100	0	0	0	0
Goalpara	18	3	16.7	1	5.6	0	0	11	61.1	3	16.7	0	0
Golaghat	6	1	16.7	0	0	0	0	4	66.7	1	16.7	0	0
Hailakandi	5	1	20	0	0	0	0	2	40	1	20	1	20
Jorhat	12	2	16.7	0	0	0	0	10	83.3	0	0	0	0
Kamrup	22	2	9.1	0	0	0	0	13	59.1	5	22.7	2	9.1
Karbi Anglong	18	2	11.1	1	5.6	1	5.6	8	44.4	4	22.2	2	11.1
Karimganj	9	2	22.2	0	0	0	0	6	66.7	1	11.1	0	0
Lakhimpur	14	0	0	0	0	0	0	12	85.7	2	14.3	0	0
Morigaon	12	4	33.3	0	0	0	0	6	50	2	16.7	0	0
Nagaon	28	3	10.7	0	0	0	0	17	60.7	7	25	1	3.6
Nalbari	2	1	50	0	0	0	0	1	50	0	0	0	0
Sibsagar	6	0	0	0	0	0	0	3	50	3	50	0	0

State / District	Number of Stations Analyzed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
Sonitpur	22	0	0	0	0	0	0	18	81.8	3	13.6	1	4.5
Tinsukia	13	3	23.1	1	7.7	0	0	7	53.8	2	15.4	0	0
Total	**276**	**26**	**9.42**	**4**	**1.45**	**1**	**0.36**	**186**	**67.39**	**49**	**17.75**	**10**	**3.63**
Meghalaya													
East Garo Hills	5	0	0	0	0	0	0	5	100	0	0	0	0
East Khasi Hills	5	0	0	0	0	0	0	4	80	0	0	1	20
Jaintia hills	1	0	0	0	0	0	0	1	100	0	0	0	0
Ri-Bhoi	2	0	0	0	0	0	0	2	100	0	0	0	0
West Garo Hills	7	0	0	0	0	0	0	6	85.7	0	0	1	14.3
West Khasi Hills	1	0	0	0	0	0	0	1	100	0	0	0	0
Total	**21**	**0**	**0**	**0**	**0**	**0**	**0**	**19**	**90.48**	**0**	**0**	**2**	**9.52**
Nagaland													
Dimapur	20	4	20	2	10	1	5	4	20	4	20	5	25
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	0	0	2	100	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	3	0	0	0	0	1	33.3	0	0	1	33.3	1	33.3
Total	**31**	**4**	**12.9**	**2**	**6.45**	**3**	**9.7**	**11**	**35.48**	**5**	**16.13**	**6**	**19.34**
Tripura													
Dhalai	4	0	0	0	0	0	0	2	50	2	50	0	0
North Tripura	8	0	0	0	0	0	0	4	50	3	37.5	1	12.5
South Tripura	17	0	0	0	0	0	0	17	100	0	0	0	0
West Tripura	25	6	24	0	0	1	4	12	48	6	24	0	0
Total	**54**	**6**	**11.11**	**0**	**0**	**1**	**1.85**	**35**	**64.82**	**11**	**20.37**	**1**	**1.85**
Grand Total	**403**	**39**	**9.7**	**6**	**1.5**	**5**	**1.2**	**263**	**65.3**	**68**	**16.9**	**22**	**5.5**

ANNEXURE- IX

DISTRICT WISE CATEGORIZATION OF WATER LEVEL FLUCTUATION (NOVEMBER 2014 AND AUGUST 2014)

State / District	Number of Stations Analyzed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
Arunachal Pradesh													
Changlang	4	2	50	2	50	0	0	0	0	0	0	0	0
East Siang	5	2	40	0	0	2	40	1	20	0	0	0	0
Lohit	1	1	100	0	0	0	0	0	0	0	0	0	0
Papumpare	7	7	100	0	0	0	0	0	0	0	0	0	0
Tirap	3	0	0	3	100	0	0	0	0	0	0	0	0
Total	**20**	**12**	**60**	**5**	**25**	**2**	**10**	**1**	**5**	**0**	**0**	**0**	**0**
Assam													
Barpeta	8	5	62.5	3	37.5	0	0	0	0	0	0	0	0
Bongaigaon	11	5	45.5	6	54.5	0	0	0	0	0	0	0	0
Cachar	23	19	82.6	2	8.7	0	0	2	8.7	0	0	0	0
Darrang	20	16	80	2	10	0	0	2	10	0	0	0	0
Dhemaji	13	11	84.6	2	15.4	0	0	0	0	0	0	0	0
Dhubri	11	5	45.5	4	36.4	0	0	1	9.1	0	0	1	9.1
Dibrugarh	11	7	63.6	4	36.4	0	0	0	0	0	0	0	0
Goalpara	10	6	60	4	40	0	0	0	0	0	0	0	0
Golaghat	9	7	77.8	1	11.1	1	11.1	0	0	0	0	0	0
Hailakandi	5	2	40	2	40	0	0	1	20	0	0	0	0
Jorhat	16	8	50	0	0	0	0	8	50	0	0	0	0
Kamrup	23	17	73.9	2	8.7	0	0	4	17.4	0	0	0	0
Karbi Anglong	22	8	36.4	0	0	3	13.6	7	31.8	3	13.6	1	4.5
Karimganj	8	6	75	0	0	0	0	2	25	0	0	0	0

State / District	Number of Stations Analyzed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
Lakhimpur	13	13	100	0	0	0	0	0	0	0	0	0	0
Morigaon	11	6	54.5	2	18.2	0	0	3	27.3	0	0	0	0
Nagaon	28	10	35.7	2	7.1	1	3.6	15	53.6	0	0	0	0
Nalbari	2	1	50	1	50	0	0	0	0	0	0	0	0
Sibsagar	7	4	57.1	1	14.3	0	0	2	28.6	0	0	0	0
Sonitpur	23	21	91.3	0	0	0	0	2	8.7	0	0	0	0
Tinsukia	15	8	53.3	5	33.3	2	13.3	0	0	0	0	0	0
Total	**289**	**185**	**64.01**	**43**	**14.88**	**7**	**2.42**	**49**	**16.96**	**3**	**1.04**	**2**	**0.69**
Meghalaya													
East Khasi Hills	7	4	57.1	1	14.3	0	0	1	14.3	1	14.3	0	0
Jaintia hills	2	1	50	0	0	0	0	1	50	0	0	0	0
Ri-Bhoi	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	**12**	**8**	**66.67**	**1**	**8.33**	**0**	**0**	**2**	**16.67**	**1**	**8.33**	**0**	**0**
Tripura													
Dhalai	4	2	50	0	0	0	0	2	50	0	0	0	0
North Tripura	11	7	63.6	1	9.1	0	0	3	27.3	0	0	0	0
South Tripura	17	16	94.1	1	5.9	0	0	0	0	0	0	0	0
West Tripura	25	17	68	0	0	0	0	8	32	0	0	0	0
Total	**57**	**42**	**73.68**	**2**	**3.51**	**0**	**0**	**13**	**22.81**	**0**	**0**	**0**	**0**
Grand Total	**378**	**247**	**65.3**	**51**	**13.5**	**9**	**2.4**	**65**	**17.2**	**4**	**1.1**	**2**	**0.5**

ANNEXURE- X

DISTRICT WISE CATEGORIZATION OF WATER LEVEL FLUCTUATION (JANUARY 2015 AND MARCH 2014)

State / District	Number of Stations Analyzed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
Arunachal Pradesh													
Changlang	4	1	25	1	25	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	0	0	0	0	0	0	0	0	1	100	0	0
Papumpare	8	3	37.5	0	0	0	0	5	62.5	0	0	0	0
Tirap	3	3	100	0	0	0	0	0	0	0	0	0	0
Total	**21**	**8**	**38.1**	**1**	**4.76**	**0**	**0**	**11**	**52.38**	**1**	**4.76**	**0**	**0**
Assam													
Baksha	1	0	0	0	0	0	0	1	100	0	0	0	0
Barpeta	7	2	28.6	0	0	0	0	5	71.4	0	0	0	0
Bongaigaon	9	2	22.2	0	0	0	0	7	77.8	0	0	0	0
Cachar	21	1	4.8	0	0	0	0	17	81	3	14.3	0	0
Darrang	17	4	23.5	1	5.9	0	0	11	64.7	1	5.9	0	0
Dhemaji	16	4	25	0	0	0	0	12	75	0	0	0	0
Dhubri	13	0	0	0	0	0	0	13	100	0	0	0	0
Dibrugarh	5	1	20	0	0	0	0	4	80	0	0	0	0
Goalpara	18	3	16.7	0	0	1	5.6	11	61.1	3	16.7	0	0
Golaghat	6	2	33.3	0	0	0	0	2	33.3	2	33.3	0	0
Hailakandi	5	0	0	0	0	0	0	5	100	0	0	0	0
Jorhat	12	8	66.7	3	25	0	0	1	8.3	0	0	0	0
Kamrup	21	6	28.6	0	0	0	0	12	57.1	2	9.5	1	4.8
Karbi Anglong	17	3	17.6	2	11.8	2	11.8	8	47.1	0	0	2	11.8
Karimganj	10	0	0	0	0	0	0	7	70	3	30	0	0
Lakhimpur	15	0	0	0	0	0	0	15	100	0	0	0	0
Nagaon	28	9	32.1	1	3.6	0	0	16	57.1	2	7.1	0	0

State / District	Number of Stations Analyzed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
Nalbari	2	0	0	1	50	0	0	1	50	0	0	0	0
Sibsagar	7	0	0	1	14.3	0	0	3	42.9	1	14.3	2	28.6
Sonitpur	21	1	4.8	0	0	0	0	19	90.5	1	4.8	0	0
Tinsukia	11	5	45.5	1	9.1	0	0	3	27.3	2	18.2	0	0
Total	**262**	**51**	**19.47**	**10**	**3.82**	**3**	**1.15**	**173**	**66.03**	**20**	**7.63**	**5**	**1.9**
Meghalaya													
East Garo Hills	7	0	0	0	0	0	0	7	100	0	0	0	0
East Khasi Hills	6	1	16.7	0	0	0	0	3	50	1	16.7	1	16.7
Jaintia hills	1	0	0	0	0	0	0	1	100	0	0	0	0
Ri-Bhoi	2	0	0	0	0	0	0	2	100	0	0	0	0
West Garo Hills	9	1	11.1	1	11.1	0	0	6	66.7	0	0	1	11.1
West Khasi Hills	1	0	0	0	0	0	0	1	100	0	0	0	0
Total	**26**	**2**	**7.69**	**1**	**3.85**	**0**	**0**	**20**	**76.92**	**1**	**3.85**	**2**	**7.69**
Nagaland													
Dimapur	20	3	15	2	10	1	5	6	30	5	25	3	15
Kohima	3	1	33.3	0	0	0	0	2	66.7	0	0	0	0
Mokokchung	1	0	0	0	0	0	0	1	100	0	0	0	0
Mon	2	0	0	0	0	0	0	2	100	0	0	0	0
Morigaon	11	1	9.1	1	9.1	0	0	9	81.8	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	3	0	0	0	0	0	0	3	100	0	0	0	0
Total	**42**	**5**	**11.9**	**3**	**7.15**	**1**	**2.38**	**25**	**59.52**	**5**	**11.9**	**3**	**7.15**
Tripura													
North Tripura	8	3	37.5	0	0	0	0	4	50	1	12.5	0	0
South Tripura	17	0	0	0	0	0	0	17	100	0	0	0	0
West Tripura	25	6	24	0	0	1	4	14	56	4	16	0	0
Total	**50**	**9**	**18**	**0**	**0**	**1**	**2**	**35**	**70**	**5**	**10**	**0**	**0**
Grand Total	**401**	**75**	**18.7**	**15**	**3.7**	**5**	**1.2**	**264**	**65.8**	**32**	**8**	**10**	**2.5**

ANNEXURE- XI

DISTRICT WISE CATEGORIZATION OF WATER LEVEL FLUCTUATION (JANUARY 2015 AND AUGUST 2014)

State / District	Number of Stations Analyzed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
Arunachal Pradesh													
Changlang	4	1	25	2	50	1	25	0	0	0	0	0	0
East Siang	5	0	0	2	40	3	60	0	0	0	0	0	0
Lohit	1	0	0	1	100	0	0	0	0	0	0	0	0
Papumpare	7	4	57.1	3	42.9	0	0	0	0	0	0	0	0
Tirap	3	0	0	1	33.3	2	66.7	0	0	0	0	0	0
Total	**20**	**5**	**25**	**9**	**45**	**6**	**30**	**0**	**0**	**0**	**0**	**0**	**0**
Assam													
Barpeta	7	2	28.6	5	71.4	0	0	0	0	0	0	0	0
Bongaigaon	11	2	18.2	8	72.7	1	9.1	0	0	0	0	0	0
Cachar	22	12	54.5	3	13.6	2	9.1	5	22.7	0	0	0	0
Darrang	19	4	21.1	13	68.4	1	5.3	1	5.3	0	0	0	0
Dhemaji	14	6	42.9	6	42.9	2	14.3	0	0	0	0	0	0
Dhubri	13	5	38.5	6	46.2	0	0	1	7.7	0	0	1	7.7
Dibrugarh	12	3	25	9	75	0	0	0	0	0	0	0	0
Goalpara	10	5	50	5	50	0	0	0	0	0	0	0	0
Golaghat	11	6	54.5	4	36.4	1	9.1	0	0	0	0	0	0
Hailakandi	5	1	20	1	20	1	20	2	40	0	0	0	0
Jorhat	21	18	85.7	3	14.3	0	0	0	0	0	0	0	0
Kamrup	22	13	59.1	5	22.7	2	9.1	2	9.1	0	0	0	0
Karbi Anglong	24	10	41.7	5	20.8	2	8.3	4	16.7	2	8.3	1	4.2
Karimganj	9	4	44.4	1	11.1	0	0	4	44.4	0	0	0	0
Lakhimpur	13	7	53.8	6	46.2	0	0	0	0	0	0	0	0
Morigaon	10	5	50	3	30	1	10	1	10	0	0	0	0

State / District	Number of Stations Analyzed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
Nagaon	28	22	78.6	2	7.1	2	7.1	2	7.1	0	0	0	0
Nalbari	2	1	50	1	50	0	0	0	0	0	0	0	0
Sibsagar	10	5	50	4	40	0	0	0	0	1	10	0	0
Sonitpur	23	18	78.3	5	21.7	0	0	0	0	0	0	0	0
Tinsukia	13	6	46.2	5	38.5	2	15.4	0	0	0	0	0	0
Total	**299**	**155**	**51.84**	**100**	**33.44**	**17**	**5.69**	**22**	**7.36**	**3**	**1**	**2**	**0.67**
Meghalaya													
East Khasi Hills	8	3	37.5	1	12.5	1	12.5	2	25	1	12.5	0	0
Jaintia hills	2	1	50	0	0	0	0	1	50	0	0	0	0
Ri-Bhoi	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	**13**	**7**	**53.85**	**1**	**7.69**	**1**	**7.69**	**3**	**23.08**	**1**	**7.69**	**0**	**0**
Tripura													
North Tripura	11	8	72.7	1	9.1	1	9.1	1	9.1	0	0	0	0
South Tripura	17	12	70.6	5	29.4	0	0	0	0	0	0	0	0
West Tripura	24	19	79.2	1	4.2	0	0	4	16.7	0	0	0	0
Total	**52**	**39**	**75**	**7**	**13.46**	**1**	**1.92**	**5**	**9.62**	**0**	**0**	**0**	**0**
Grand Total	**384**	**206**	**53.6**	**117**	**30.5**	**25**	**6.5**	**30**	**7.8**	**4**	**1**	**2**	**0.5**

ANNEXURE- XII

DISTRICT WISE CATEGORIZATION OF WATER LEVEL FLUCTUATION (JANUARY 2015 AND NOVEMBER 2014)

State / District	Number of Stations Analyzed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
Arunachal Pradesh													
Changlang	4	4	100	0	0	0	0	0	0	0	0	0	0
East Siang	4	1	25	2	50	1	25	0	0	0	0	0	0
Lohit	1	1	100	0	0	0	0	0	0	0	0	0	0
Papumpare	8	8	100	0	0	0	0	0	0	0	0	0	0
Tirap	3	3	100	0	0	0	0	0	0	0	0	0	0
Total	**20**	**17**	**85**	**2**	**10**	**1**	**5**	**0**	**0**	**0**	**0**	**0**	**0**
Assam													
Baksha	1	1	100	0	0	0	0	0	0	0	0	0	0
Barpeta	7	7	100	0	0	0	0	0	0	0	0	0	0
Bongaigaon	11	10	90.9	0	0	0	0	1	9.1	0	0	0	0
Cachar	21	9	42.9	0	0	2	9.5	9	42.9	1	4.8	0	0
Darrang	19	13	68.4	6	31.6	0	0	0	0	0	0	0	0
Dhemaji	19	13	68.4	3	15.8	0	0	3	15.8	0	0	0	0
Dhubri	12	9	75	1	8.3	0	0	2	16.7	0	0	0	0
Dibrugarh	11	11	100	0	0	0	0	0	0	0	0	0	0
Goalpara	19	19	100	0	0	0	0	0	0	0	0	0	0
Golaghat	10	7	70	0	0	0	0	3	30	0	0	0	0
Hailakandi	5	1	20	0	0	1	20	3	60	0	0	0	0
Jorhat	16	11	68.8	5	31.3	0	0	0	0	0	0	0	0
Kamrup	27	22	81.5	1	3.7	1	3.7	3	11.1	0	0	0	0
Karbi Anglong	24	13	54.2	4	16.7	1	4.2	5	20.8	0	0	1	4.2
Karimganj	10	2	20	0	0	0	0	8	80	0	0	0	0
Lakhimpur	15	15	100	0	0	0	0	0	0	0	0	0	0
Morigaon	15	14	93.3	0	0	0	0	1	6.7	0	0	0	0
Nagaon	29	25	86.2	1	3.4	1	3.4	1	3.4	1	3.4	0	0
Nalbari	2	0	0	1	50	0	0	1	50	0	0	0	0
Sibsagar	10	6	60	0	0	0	0	2	20	1	10	1	10

State / District	Number of Stations Analyzed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
Sonitpur	23	21	91.3	2	8.7	0	0	0	0	0	0	0	0
Tinsukia	13	11	84.6	0	0	0	0	2	15.4	0	0	0	0
Total	**319**	**240**	**75.24**	**24**	**7.52**	**6**	**1.88**	**44**	**13.79**	**3**	**0.94**	**2**	**0.63**
Meghalaya													
East Garo Hills	9	8	88.9	0	0	0	0	1	11.1	0	0	0	0
East Khasi Hills	8	4	50	1	12.5	0	0	3	37.5	0	0	0	0
Jaintia hills	2	2	100	0	0	0	0	0	0	0	0	0	0
Ri-Bhoi	2	2	100	0	0	0	0	0	0	0	0	0	0
West Garo Hills	8	7	87.5	0	0	0	0	1	12.5	0	0	0	0
West Khasi Hills	1	1	100	0	0	0	0	0	0	0	0	0	0
Total	**30**	**24**	**80**	**1**	**3.33**	**0**	**0**	**5**	**16.67**	**0**	**0**	**0**	**0**
Nagaland													
Dimapur	21	11	52.4	2	9.5	3	14.3	3	14.3	1	4.8	1	4.8
Kohima	3	2	66.7	0	0	0	0	1	33.3	0	0	0	0
Mokokchung	1	0	0	0	0	0	0	1	100	0	0	0	0
Mon	2	1	50	0	0	0	0	1	50	0	0	0	0
Phek	1	0	0	0	0	0	0	0	0	0	0	1	100
Tuensang	1	1	100	0	0	0	0	0	0	0	0	0	0
Wokha	3	1	33.3	0	0	1	33.3	0	0	0	0	1	33.3
Total	**32**	**16**	**50**	**2**	**6.25**	**4**	**12.5**	**6**	**18.75**	**1**	**3.13**	**3**	**9.37**
Tripura													
North Tripura	11	9	81.8	2	18.2	0	0	0	0	0	0	0	0
South Tripura	17	10	58.8	0	0	0	0	7	41.2	0	0	0	0
West Tripura	25	21	84	2	8	0	0	2	8	0	0	0	0
Total	**53**	**40**	**75.47**	**4**	**7.55**	**0**	**0**	**9**	**16.98**	**0**	**0**	**0**	**0**
Grand Total	**454**	**337**	**74.2**	**33**	**7.3**	**11**	**2.4**	**64**	**14.1**	**4**	**0.9**	**5**	**1.1**

ANNEXURE- XIII

DISTRICT WISE CATEGORIZATION OF WATER LEVEL FLUCTUATION (MARCH 2014 AND MARCH 2013)

State / District	Number of Stations Analyzed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
Arunachal Pradesh													
Changlang	4	1	25	0	0	0	0	1	25	2	50	0	0
East Siang	7	3	42.9	0	0	0	0	4	57.1	0	0	0	0
Lohit	1	1	100	0	0	0	0	0	0	0	0	0	0
Papumpare	7	4	57.1	0	0	0	0	3	42.9	0	0	0	0
Tirap	3	0	0	0	0	0	0	3	100	0	0	0	0
Total	**22**	**9**	**40.91**	**0**	**0**	**0**	**0**	**11**	**50**	**2**	**9.09**	**0**	**0**
Assam													
Baksha	1	1	100	0	0	0	0	0	0	0	0	0	0
Barpeta	7	5	71.4	0	0	0	0	2	28.6	0	0	0	0
Bongaigaon	8	3	37.5	0	0	0	0	5	62.5	0	0	0	0
Cachar	14	7	50	0	0	0	0	5	35.7	1	7.1	1	7.1
Darrang	16	12	75	0	0	1	6.3	3	18.8	0	0	0	0
Dhemaji	16	9	56.3	0	0	0	0	6	37.5	1	6.3	0	0
Dhubri	13	8	61.5	0	0	0	0	5	38.5	0	0	0	0
Dibrugarh	5	2	40	0	0	0	0	3	60	0	0	0	0
Goalpara	19	8	42.1	1	5.3	0	0	9	47.4	0	0	1	5.3
Golaghat	6	0	0	2	33.3	0	0	3	50	1	16.7	0	0
Hailakandi	2	1	50	0	0	0	0	1	50	0	0	0	0
Jorhat	9	1	11.1	0	0	0	0	7	77.8	1	11.1	0	0
Kamrup	22	12	54.5	1	4.5	0	0	6	27.3	3	13.6	0	0
Karbi Anglong	17	5	29.4	1	5.9	2	11.8	6	35.3	1	5.9	2	11.8
Karimganj	5	0	0	0	0	0	0	5	100	0	0	0	0
Lakhimpur	16	8	50	0	0	0	0	8	50	0	0	0	0
Morigaon	10	4	40	1	10	1	10	2	20	2	20	0	0
Nagaon	21	10	47.6	2	9.5	1	4.8	7	33.3	1	4.8	0	0
Nalbari	1	0	0	0	0	0	0	1	100	0	0	0	0
Sibsagar	4	3	75	0	0	0	0	1	25	0	0	0	0

State / District	Number of Stations Analyzed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
Sonitpur	23	12	52.2	0	0	0	0	10	43.5	1	4.3	0	0
Tinsukia	13	3	23.1	0	0	0	0	8	61.5	2	15.4	0	0
Total	**248**	**114**	**45.97**	**8**	**3.22**	**5**	**2.02**	**103**	**41.53**	**14**	**5.65**	**4**	**1.61**
Meghalaya													
East Garo Hills	7	3	42.9	0	0	0	0	4	57.1	0	0	0	0
Jaintia hills	1	1	100	0	0	0	0	0	0	0	0	0	0
Ri-Bhoi	2	0	0	0	0	0	0	2	100	0	0	0	0
West Garo Hills	14	8	57.1	2	14.3	0	0	2	14.3	2	14.3	0	0
West Khasi Hills	1	1	100	0	0	0	0	0	0	0	0	0	0
Total	**25**	**13**	**52**	**2**	**8**	**0**	**0**	**8**	**32**	**2**	**8**	**0**	**0**
Nagaland													
Dimapur	11	6	54.5	2	18.2	1	9.1	2	18.2	0	0	0	0
Kohima	3	2	66.7	0	0	0	0	1	33.3	0	0	0	0
Mokokchung	1	0	0	0	0	0	0	1	100	0	0	0	0
Mon	2	1	50	0	0	0	0	1	50	0	0	0	0
Phek	1	1	100	0	0	0	0	0	0	0	0	0	0
Tuensang	1	0	0	0	0	1	100	0	0	0	0	0	0
Wokha	2	1	50	0	0	0	0	1	50	0	0	0	0
Total	**21**	**11**	**52.39**	**2**	**9.52**	**2**	**9.52**	**6**	**28.57**	**0**	**0**	**0**	**0**
Tripura													
Dhalai	1	1	100	0	0	0	0	0	0	0	0	0	0
North Tripura	5	2	40	0	0	0	0	3	60	0	0	0	0
South Tripura	6	2	33.3	0	0	0	0	4	66.7	0	0	0	0
West Tripura	18	6	33.3	0	0	0	0	11	61.1	1	5.6	0	0
Total	**30**	**11**	**36.67**	**0**	**0**	**0**	**0**	**18**	**60**	**1**	**3.33**	**0**	**0**
Grand Total	**346**	**158**	**45.7**	**12**	**3.5**	**7**	**2**	**146**	**42.2**	**19**	**5.5**	**4**	**1.2**

ANNEXURE- XIV

DISTRICT WISE CATEGORIZATION OF WATER LEVEL FLUCTUATION (AUGUST 2014 AND AUGUST 2013)

State / District	Number of Stations Analyzed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
Arunachal Pradesh													
Changlang	4	0	0	0	0	0	0	4	100	0	0	0	0
East Siang	6	0	0	0	0	0	0	2	33.3	4	66.7	0	0
Lohit	1	0	0	0	0	0	0	1	100	0	0	0	0
Papumpare	7	1	14.3	0	0	0	0	6	85.7	0	0	0	0
Tirap	3	0	0	0	0	0	0	1	33.3	2	66.7	0	0
Total	**21**	**1**	**4.76**	**0**	**0**	**0**	**0**	**14**	**66.67**	**6**	**28.57**	**0**	**0**
Assam													
Barpeta	6	3	50	0	0	0	0	3	50	0	0	0	0
Bongaigaon	11	1	9.1	0	0	0	0	10	90.9	0	0	0	0
Cachar	12	5	41.7	0	0	0	0	7	58.3	0	0	0	0
Darrang	21	3	14.3	0	0	0	0	17	81	1	4.8	0	0
Dhemaji	13	0	0	0	0	0	0	11	84.6	2	15.4	0	0
Dhubri	12	3	25	0	0	1	8.3	7	58.3	1	8.3	0	0
Dibrugarh	12	0	0	0	0	0	0	12	100	0	0	0	0
Goalpara	10	3	30	0	0	0	0	5	50	2	20	0	0
Golaghat	12	0	0	0	0	0	0	9	75	3	25	0	0
Hailakandi	1	0	0	0	0	0	0	1	100	0	0	0	0
Jorhat	22	3	13.6	0	0	0	0	19	86.4	0	0	0	0
Kamrup	21	8	38.1	0	0	0	0	10	47.6	3	14.3	0	0
Karbi Anglong	16	2	12.5	2	12.5	0	0	9	56.3	3	18.8	0	0
Karimganj	4	2	50	0	0	0	0	2	50	0	0	0	0
Lakhimpur	13	3	23.1	0	0	0	0	9	69.2	1	7.7	0	0
Morigaon	8	4	50	1	12.5	0	0	3	37.5	0	0	0	0
Nagaon	19	11	57.9	2	10.5	0	0	4	21.1	2	10.5	0	0
Nalbari	2	1	50	0	0	0	0	1	50	0	0	0	0

State / District	Number of Stations Analyzed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
Sibsagar	12	4	33.3	0	0	0	0	8	66.7	0	0	0	0
Sonitpur	21	3	14.3	0	0	0	0	17	81	1	4.8	0	0
Tinsukia	15	0	0	0	0	0	0	14	93.3	1	6.7	0	0
Total	**263**	**59**	**22.43**	**5**	**1.9**	**1**	**0.38**	**178**	**67.68**	**20**	**7.61**	**0**	**0**
Meghalaya													
East Khasi Hills	2	2	100	0	0	0	0	0	0	0	0	0	0
Jaintia hills	2	1	50	0	0	0	0	1	50	0	0	0	0
Ri-Bhoi	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	**7**	**3**	**42.86**	**0**	**0**	**0**	**0**	**4**	**57.14**	**0**	**0**	**0**	**0**
Tripura													
Dhalai	1	1	100	0	0	0	0	0	0	0	0	0	0
North Tripura	9	6	66.7	0	0	0	0	3	33.3	0	0	0	0
South Tripura	16	4	25	0	0	1	6.3	11	68.8	0	0	0	0
West Tripura	24	11	45.8	1	4.2	0	0	11	45.8	1	4.2	0	0
Total	**50**	**22**	**44**	**1**	**2**	**1**	**2**	**25**	**50**	**1**	**2**	**0**	**0**
Grand Total	**341**	**85**	**24.9**	**6**	**1.8**	**2**	**0.6**	**221**	**64.8**	**27**	**7.9**	**0**	**0**

ANNEXURE- XV

DISTRICT WISE CATEGORIZATION OF WATER LEVEL FLUCTUATION (NOVEMBER 2014 AND NOVEMBER 2013)

State / District	Number of Stations Analyzed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
Arunachal Pradesh													
Changlang	4	1	25	0	0	0	0	3	75	0	0	0	0
East Siang	5	0	0	0	0	0	0	4	80	1	20	0	0
Lohit	1	1	100	0	0	0	0	0	0	0	0	0	0
Papumpare	7	5	71.4	0	0	0	0	2	28.6	0	0	0	0
Tirap	3	0	0	0	0	0	0	3	100	0	0	0	0
Total	**20**	**7**	**35**	**0**	**0**	**0**	**0**	**12**	**60**	**1**	**5**	**0**	**0**
Assam													
Baksha	1	1	100	0	0	0	0	0	0	0	0	0	0
Barpeta	7	4	57.1	1	14.3	0	0	2	28.6	0	0	0	0
Bongaigaon	11	7	63.6	0	0	0	0	4	36.4	0	0	0	0
Cachar	16	10	62.5	0	0	0	0	6	37.5	0	0	0	0
Darrang	18	9	50	0	0	0	0	9	50	0	0	0	0
Dhemaji	19	12	63.2	0	0	0	0	7	36.8	0	0	0	0
Dhubri	12	5	41.7	0	0	0	0	7	58.3	0	0	0	0
Dibrugarh	11	5	45.5	0	0	0	0	6	54.5	0	0	0	0
Golaghat	9	1	11.1	0	0	0	0	8	88.9	0	0	0	0
Hailakandi	3	0	0	1	33.3	0	0	2	66.7	0	0	0	0
Jorhat	16	0	0	0	0	0	0	11	68.8	5	31.3	0	0
Kamrup	24	13	54.2	0	0	0	0	11	45.8	0	0	0	0
Karbi Anglong	12	5	41.7	0	0	1	8.3	5	41.7	1	8.3	0	0
Karimganj	6	2	33.3	0	0	0	0	3	50	0	0	1	16.7
Lakhimpur	12	7	58.3	0	0	0	0	5	41.7	0	0	0	0
Morigaon	6	2	33.3	2	33.3	0	0	2	33.3	0	0	0	0
Nagaon	18	9	50	1	5.6	0	0	6	33.3	1	5.6	1	5.6
Nalbari	2	2	100	0	0	0	0	0	0	0	0	0	0

State / District	Number of Stations Analyzed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
Sibsagar	10	1	10	0	0	0	0	8	80	1	10	0	0
Sonitpur	21	8	38.1	1	4.8	0	0	12	57.1	0	0	0	0
Tinsukia	15	9	60	0	0	0	0	6	40	0	0	0	0
Total	**249**	**112**	**44.98**	**6**	**2.42**	**1**	**0.4**	**120**	**48.19**	**8**	**3.21**	**2**	**0.8**
Meghalaya													
East Khasi Hills	2	1	50	1	50	0	0	0	0	0	0	0	0
Jaintia hills	2	1	50	0	0	0	0	1	50	0	0	0	0
Ri-Bhoi	2	1	50	0	0	0	0	1	50	0	0	0	0
West Khasi Hills	1	0	0	0	0	0	0	1	100	0	0	0	0
Total	**7**	**3**	**42.86**	**1**	**14.28**	**0**	**0**	**3**	**42.86**	**0**	**0**	**0**	**0**
Nagaland													
Dimapur	10	2	20	1	10	1	10	5	50	1	10	0	0
Kohima	3	2	66.7	0	0	0	0	1	33.3	0	0	0	0
Mon	2	1	50	0	0	0	0	1	50	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	3	2	66.7	0	0	1	33.3	0	0	0	0	0	0
Total	**20**	**8**	**40**	**1**	**5**	**3**	**15**	**7**	**35**	**1**	**5**	**0**	**0**
Tripura													
Dhalai	4	1	25	0	0	0	0	3	75	0	0	0	0
North Tripura	8	3	37.5	0	0	0	0	3	37.5	2	25	0	0
South Tripura	16	12	75	0	0	0	0	4	25	0	0	0	0
West Tripura	23	13	56.5	1	4.3	0	0	8	34.8	1	4.3	0	0
Total	**51**	**29**	**56.87**	**1**	**1.96**	**0**	**0**	**18**	**35.29**	**3**	**5.88**	**0**	**0**
Grand Total	**347**	**159**	**45.8**	**9**	**2.6**	**4**	**1.2**	**160**	**46.1**	**13**	**3.7**	**2**	**0.6**

ANNEXURE- XVI

DISTRICT WISE CATEGORIZATION OF WATER LEVEL FLUCTUATION (JANUARY 2015 AND JANUARY 2014)

State / District	Number of Stations Analyzed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
Arunachal Pradesh													
Changlang	4	0	0	0	0	0	0	4	100	0	0	0	0
East Siang	6	4	66.7	0	0	0	0	2	33.3	0	0	0	0
Lohit	1	0	0	0	0	0	0	1	100	0	0	0	0
Papumpare	8	4	50	0	0	0	0	4	50	0	0	0	0
Tirap	3	0	0	0	0	0	0	3	100	0	0	0	0
Total	**22**	**8**	**36.36**	**0**	**0**	**0**	**0**	**14**	**63.64**	**0**	**0**	**0**	**0**
Assam													
Baksha	1	1	100	0	0	0	0	0	0	0	0	0	0
Barpeta	7	4	57.1	0	0	0	0	3	42.9	0	0	0	0
Bongaigaon	10	10	100	0	0	0	0	0	0	0	0	0	0
Cachar	15	2	13.3	0	0	0	0	13	86.7	0	0	0	0
Darrang	17	10	58.8	2	11.8	0	0	5	29.4	0	0	0	0
Dhemaji	18	8	44.4	0	0	0	0	10	55.6	0	0	0	0
Dhubri	13	4	30.8	0	0	0	0	9	69.2	0	0	0	0
Dibrugarh	10	4	40	0	0	0	0	6	60	0	0	0	0
Goalpara	17	7	41.2	1	5.9	0	0	9	52.9	0	0	0	0
Golaghat	10	0	0	0	0	0	0	10	100	0	0	0	0
Hailakandi	3	1	33.3	0	0	0	0	1	33.3	1	33.3	0	0
Jorhat	21	0	0	0	0	0	0	21	100	0	0	0	0
Kamrup	22	8	36.4	0	0	1	4.5	12	54.5	1	4.5	0	0
Karbi Anglong	16	4	25	0	0	1	6.3	9	56.3	2	12.5	0	0
Karimganj	6	0	0	0	0	0	0	6	100	0	0	0	0
Lakhimpur	16	8	50	0	0	0	0	8	50	0	0	0	0
Morigaon	11	8	72.7	1	9.1	0	0	1	9.1	1	9.1	0	0
Nagaon	25	11	44	0	0	0	0	13	52	1	4	0	0
Nalbari	2	0	0	1	50	0	0	1	50	0	0	0	0

State / District	Number of Stations Analyzed	Fall						Rise					
		0-2 m	%	2-4 m	%	>4 m	%	0-2 m	%	2-4 m	%	>4 m	%
Sibsagar	13	2	15.4	0	0	0	0	8	61.5	0	0	3	23.1
Sonitpur	23	15	65.2	0	0	0	0	8	34.8	0	0	0	0
Tinsukia	13	4	30.8	0	0	0	0	9	69.2	0	0	0	0
Total	**289**	**111**	**38.41**	**5**	**1.73**	**2**	**0.69**	**162**	**56.06**	**6**	**2.08**	**3**	**1.04**
Meghalaya													
East Garo Hills	3	1	33.3	0	0	0	0	2	66.7	0	0	0	0
East Khasi Hills	3	0	0	0	0	1	33.3	1	33.3	1	33.3	0	0
Jaintia hills	2	1	50	0	0	0	0	1	50	0	0	0	0
Ri-Bhoi	2	2	100	0	0	0	0	0	0	0	0	0	0
West Khasi Hills	1	0	0	0	0	0	0	1	100	0	0	0	0
Total	**11**	**4**	**36.37**	**0**	**0**	**1**	**9.09**	**5**	**45.45**	**1**	**9.09**	**0**	**0**
Nagaland													
Dimapur	10	6	60	0	0	0	0	4	40	0	0	0	0
Kohima	3	2	66.7	0	0	0	0	1	33.3	0	0	0	0
Mokokchung	1	0	0	0	0	0	0	1	100	0	0	0	0
Mon	2	1	50	0	0	0	0	1	50	0	0	0	0
Phek	1	1	100	0	0	0	0	0	0	0	0	0	0
Tuensang	1	1	100	0	0	0	0	0	0	0	0	0	0
Wokha	3	1	33.3	0	0	0	0	2	66.7	0	0	0	0
Total	**21**	**12**	**57.14**	**0**	**0**	**0**	**0**	**9**	**42.86**	**0**	**0**	**0**	**0**
Tripura													
North Tripura	9	7	77.8	0	0	0	0	2	22.2	0	0	0	0
South Tripura	14	9	64.3	0	0	0	0	5	35.7	0	0	0	0
West Tripura	24	13	54.2	0	0	1	4.2	9	37.5	1	4.2	0	0
Total	**47**	**29**	**61.7**	**0**	**0**	**1**	**2.13**	**16**	**34.04**	**1**	**2.13**	**0**	**0**
Grand Total	**390**	**164**	**42.1**	**5**	**1.3**	**4**	**1**	**206**	**52.8**	**8**	**2.1**	**3**	**0.8**

ANNEXURE- XVII

DISTRICT WISE CATEGORIZATION OF WATER LEVEL FLUCTUATION
10 years Mean (August 2004- August 2013) – August - 2014

State / District	Number of Stations Analysed	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	%
Arunachal Pradesh																	
Changlang	4	0.99	2.01	-	-	3	75	1	25	0	0	0	0	0	0	0	0
Lohit	1	0.89	0.89	-	-	1	100	0	0	0	0	0	0	0	0	0	0
Papumpare	1	0.3	0.3	-	-	1	100	0	0	0	0	0	0	0	0	0	0
Tirap	3	1.65	2.33	-	-	2	66.7	1	33.3	0	0	0	0	0	0	0	0
Total	**9**					**7**	**77.78**	**2**	**22.22**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Assam																	
Barpeta	3	0.05	0.56	-	-	3	100	0	0	0	0	0	0	0	0	0	0
Bongaigaon	9	0.34	2.46	0.59	0.59	7	77.8	1	11.1	0	0	1	11.1	0	0	0	0
Cachar	10	0.01	0.43	0.11	0.5	5	50	0	0	0	0	5	50	0	0	0	0
Darrang	16	0.33	2.27	0.02	1.46	9	56.3	1	6.3	0	0	6	37.5	0	0	0	0
Dhemaji	8	0.16	0.84	0.4	0.46	6	75	0	0	0	0	2	25	0	0	0	0
Dhubri	6	0.08	1.73	1.33	6.01	4	66.7	0	0	0	0	1	16.7	0	0	1	16.7
Dibrugarh	8	0.1	1.36	-	-	8	100	0	0	0	0	0	0	0	0	0	0
Goalpara	5	0	1.47	0.01	0.01	4	80	0	0	0	0	1	20	0	0	0	0
Golaghat	4	2.34	51.02	0.33	0.33	0	0	2	50	1	25	1	25	0	0	0	0
Jorhat	7	-	-	0.15	0.39	0	0	0	0	0	0	7	100	0	0	0	0
Kamrup	12	0.1	1.52	0.55	0.55	11	91.7	0	0	0	0	1	8.3	0	0	0	0
Karbi Anglong	14	0.32	5.41	0.11	7.18	2	14.3	2	14.3	1	7.1	6	42.9	2	14.3	1	7.1
Karimganj	4	0.79	4.01	0.01	0.35	1	25	0	0	1	25	2	50	0	0	0	0
Lakhimpur	10	0.02	0.51	0.08	0.4	7	70	0	0	0	0	3	30	0	0	0	0

State / District	Number of Stations Analysed	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	%
Morigaon	4	0.18	0.18	0.11	0.78	1	25	0	0	0	0	3	75	0	0	0	0
Nagaon	16	0.01	4.72	0.85	3.49	5	31.3	3	18.8	1	6.3	5	31.3	2	12.5	0	0
Nalbari	2	0.3	0.59	-	-	2	100	0	0	0	0	0	0	0	0	0	0
Sibsagar	8	0.05	0.73	0.24	0.87	4	50	0	0	0	0	4	50	0	0	0	0
Sonitpur	13	0.02	0.71	0.2	0.58	9	69.2	0	0	0	0	4	30.8	0	0	0	0
Tinsukia	13	0.17	2.63	-	-	12	92.3	1	7.7	0	0	0	0	0	0	0	0
Total	**172**					**100**	**58.14**	**10**	**5.81**	**4**	**2.33**	**52**	**30.23**	**4**	**2.33**	**2**	**1.16**
Meghalaya																	
East Khasi Hills	2	-	-	0.66	1.15	0	0	0	0	0	0	2	100	0	0	0	0
Jaintia hills	1	0.39	0.39	-	-	1	100	0	0	0	0	0	0	0	0	0	0
Ri-Bhoi	1	0.34	0.34	-	-	1	100	0	0	0	0	0	0	0	0	0	0
West Khasi Hills	1	0.23	0.23	-	-	1	100	0	0	0	0	0	0	0	0	0	0
Total	**5**					**3**	**60**	**0**	**0**	**0**	**0**	**2**	**40**	**0**	**0**	**0**	**0**
Tripura																	
Dhalai	1	0.03	0.03	-	-	1	100	0	0	0	0	0	0	0	0	0	0
North Tripura	6	0.01	0.86	-	-	6	100	0	0	0	0	0	0	0	0	0	0
South Tripura	5	0.35	1.39	-	-	5	100	0	0	0	0	0	0	0	0	0	0
West Tripura	16	0.07	1.55	0.05	3.55	8	50	0	0	0	0	7	43.8	1	6.3	0	0
Total	**28**					**20**	**71.43**	**0**	**0**	**0**	**0**	**7**	**25**	**1**	**3.57**	**0**	**0**
Grand Total	**214**	**-**	**-**	**-**	**-**	**130**	**60.7**	**12**	**5.6**	**4**	**1.9**	**61**	**28.5**	**5**	**2.3**	**2**	**0.9**

ANNEXURE- XVIII

DISTRICT WISE CATEGORIZATION OF WATER LEVEL FLUCTUATION
10 years Mean (November 2004- November 2013) – November - 2014

State / District	Number of Stations Analysed	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	%
Arunachal Pradesh																	
Changlang	4	0.13	0.8	0	0.66	2	50	0	0	0	0	2	50	0	0	0	0
Lohit	1	0.29	0.29	-	-	1	100	0	0	0	0	0	0	0	0	0	0
Papumpare	1	0.28	0.28	-	-	1	100	0	0	0	0	0	0	0	0	0	0
Tirap	3	0.54	1.05	-	-	3	100	0	0	0	0	0	0	0	0	0	0
Total	**9**					**7**	**77.78**	**0**	**0**	**0**	**0**	**2**	**22.22**	**0**	**0**	**0**	**0**
Assam																	
Barpeta	3	-	-	0.21	1.34	0	0	0	0	0	0	3	100	0	0	0	0
Bongaigaon	9	1.53	1.53	0.01	1.11	1	11.1	0	0	0	0	8	88.9	0	0	0	0
Cachar	13	0.01	1.8	0.06	0.66	7	53.8	0	0	0	0	6	46.2	0	0	0	0
Darrang	16	0.12	1.62	0.04	0.56	11	68.8	0	0	0	0	5	31.3	0	0	0	0
Dhemaji	10	0.03	0.36	0.08	1.45	7	70	0	0	0	0	3	30	0	0	0	0
Dhubri	7	0.16	1.55	0.04	0.78	3	42.9	0	0	0	0	4	57.1	0	0	0	0
Dibrugarh	7	0.08	0.58	0.06	1.07	4	57.1	0	0	0	0	3	42.9	0	0	0	0
Goalpara	10	0.22	0.54	0.1	1.66	2	20	0	0	0	0	8	80	0	0	0	0
Golaghat	1	0.6	0.6	-	-	1	100	0	0	0	0	0	0	0	0	0	0
Jorhat	5	0.03	1.64	-	-	5	100	0	0	0	0	0	0	0	0	0	0
Kamrup	14	0.27	1.62	0.04	1.43	6	42.9	0	0	0	0	8	57.1	0	0	0	0
Karbi Anglong	11	0.18	5.87	0.03	1.04	4	36.4	1	9.1	1	9.1	5	45.5	0	0	0	0
Karimganj	6	0.19	3.2	-	-	5	83.3	1	16.7	0	0	0	0	0	0	0	0
Lakhimpur	11	0	0.61	0.12	0.38	6	54.5	0	0	0	0	5	45.5	0	0	0	0
Morigaon	3	-	-	0.07	0.9	0	0	0	0	0	0	3	100	0	0	0	0
Nagaon	16	0	3.75	0.9	1.8	10	62.5	2	12.5	0	0	4	25	0	0	0	0
Nalbari	2	-	-	0.7	1.27	0	0	0	0	0	0	2	100	0	0	0	0
Sibsagar	5	0.24	1.1	0.25	0.41	3	60	0	0	0	0	2	40	0	0	0	0
Sonitpur	13	0.12	0.95	0.05	0.7	6	46.2	0	0	0	0	7	53.8	0	0	0	0

State / District	Number of Stations Analysed	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	%
Tinsukia	13	0.12	0.93	0	0.76	6	46.2	0	0	0	0	7	53.8	0	0	0	0
Total	**175**					**87**	**49.71**	**4**	**2.29**	**1**	**0.57**	**83**	**47.43**	**0**	**0**	**0**	**0**
Meghalaya																	
East Garo Hills	7	0.09	0.24	0.08	2.11	2	28.6	0	0	0	0	4	57.1	1	14.3	0	0
East Khasi Hills	2	-	-	0.17	2.42	0	0	0	0	0	0	1	50	1	50	0	0
Jaintia hills	2	0.11	1.46	-	-	2	100	0	0	0	0	0	0	0	0	0	0
Ri-Bhoi	1	0.04	0.04	-	-	1	100	0	0	0	0	0	0	0	0	0	0
West Garo Hills	3	0.24	0.47	0.55	0.55	2	66.7	0	0	0	0	1	33.3	0	0	0	0
West Khasi Hills	1	0.14	0.14	-	-	1	100	0	0	0	0	0	0	0	0	0	0
Total	**16**					**8**	**50**	**0**	**0**	**0**	**0**	**6**	**37.5**	**2**	**12.5**	**0**	**0**
Nagaland																	
Dimapur	1	0.13	0.13	-	-	1	100	0	0	0	0	0	0	0	0	0	0
Wokha	1	0.65	0.65	-	-	1	100	0	0	0	0	0	0	0	0	0	0
Total	**2**					**2**	**100**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Tripura																	
Dhalai	1	0.5	0.5	-	-	1	100	0	0	0	0	0	0	0	0	0	0
North Tripura	4	0.11	1.23	0.22	0.22	3	75	0	0	0	0	1	25	0	0	0	0
South Tripura	5	0.2	0.84	0.35	0.66	2	40	0	0	0	0	3	60	0	0	0	0
West Tripura	13					1	7.69	0	0	0	0	10	76.93	2	15.38	0	0
Total	**23**					**7**	**30.5**	**0**	**0**	**0**	**0**	**14**	**60.8**	**2**	**8.7**	**0**	**0**
Grand Total	**225**	**-**	**-**	**-**	**-**	**111**	**49.3**	**4**	**1.8**	**1**	**0.4**	**105**	**46.7**	**4**	**1.8**	**0**	**0**

ANNEXURE- XIX

DISTRICT WISE CATEGORIZATION OF WATER LEVEL FLUCTUATION
10 years Mean (January 2005- January 2014) – January - 2015

State / District	Number of Stations Analysed	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	%
Arunachal Pradesh																	
Changlang	4	0.03	0.67	0.05	0.05	3	75	0	0	0	0	1	25	0	0	0	0
East Siang	1	-	-	0.13	0.13	0	0	0	0	0	0	1	100	0	0	0	0
Lohit	1	0.57	0.57	-	-	1	100	0	0	0	0	0	0	0	0	0	0
Papumpare	2	0.02	0.39	-	-	2	100	0	0	0	0	0	0	0	0	0	0
Tirap	3	0.36	1.41	-	-	3	100	0	0	0	0	0	0	0	0	0	0
Total	**11**					**9**	**81.82**	**0**	**0**	**0**	**0**	**2**	**18.18**	**0**	**0**	**0**	**0**
Assam																	
Barpeta	3	-	-	0.24	0.79	0	0	0	0	0	0	3	100	0	0	0	0
Bongaigaon	9	0.73	1.93	0.02	1.29	2	22.2	0	0	0	0	7	77.8	0	0	0	0
Cachar	12	0.08	1.17	0.08	3.32	8	66.7	0	0	0	0	3	25	1	8.3	0	0
Darrang	15	0.12	0.9	0.03	1.78	6	40	0	0	0	0	9	60	0	0	0	0
Dhemaji	10	0.01	0.07	0.02	1.37	3	30	0	0	0	0	7	70	0	0	0	0
Dhubri	7	0.44	1.81	0.02	1.04	3	42.9	0	0	0	0	4	57.1	0	0	0	0
Dibrugarh	7	0.05	0.38	0.1	0.16	4	57.1	0	0	0	0	3	42.9	0	0	0	0
Goalpara	11	0.07	1.07	0.19	1.33	7	63.6	0	0	0	0	4	36.4	0	0	0	0
Golaghat	3	-	-	0.49	1.17	0	0	0	0	0	0	3	100	0	0	0	0
Jorhat	7	0.45	0.64	0.05	0.51	3	42.9	0	0	0	0	4	57.1	0	0	0	0
Kamrup	13	0.13	2.22	0.12	4.8	3	23.1	1	7.7	0	0	8	61.5	0	0	1	7.7
Karbi Anglong	14	0.91	1.89	0.11	7.99	6	42.9	0	0	0	0	6	42.9	1	7.1	1	7.1
Karimganj	6	0.55	3.88	-	-	5	83.3	1	16.7	0	0	0	0	0	0	0	0
Lakhimpur	12	0.03	0.54	0.04	0.63	6	50	0	0	0	0	6	50	0	0	0	0
Morigaon	3	0.1	0.1	0.33	0.51	1	33.3	0	0	0	0	2	66.7	0	0	0	0
Nagaon	16	0.07	1.84	0.07	2.23	9	56.3	0	0	0	0	6	37.5	1	6.3	0	0
Nalbari	2	0.02	0.02	2.92	2.92	1	50	0	0	0	0	0	0	1	50	0	0
Sibsagar	9	0.05	1.43	0.03	1.54	4	44.4	0	0	0	0	5	55.6	0	0	0	0
Sonitpur	14	0.03	0.92	0.04	0.74	3	21.4	0	0	0	0	11	78.6	0	0	0	0

State / District	Number of Stations Analysed	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	%
Tinsukia	13	0.11	1.73	0.01	0.44	9	69.2	0	0	0	0	4	30.8	0	0	0	0
Total	**186**					**83**	**44.62**	**2**	**1.08**	**0**	**0**	**95**	**51.07**	**4**	**2.15**	**2**	**1.08**
Meghalaya																	
East Garo Hills	9	0.14	0.47	0.2	1.71	3	33.3	0	0	0	0	6	66.7	0	0	0	0
East Khasi Hills	3	0.06	0.53	3.01	3.01	2	66.7	0	0	0	0	0	0	1	33.3	0	0
Jaintia hills	2	0.42	1.06	-	-	2	100	0	0	0	0	0	0	0	0	0	0
Ri-Bhoi	1	0.57	0.57	-	-	1	100	0	0	0	0	0	0	0	0	0	0
West Garo Hills	5	0.67	0.67	0.27	1.93	1	20	0	0	0	0	4	80	0	0	0	0
West Khasi Hills	1	0.26	0.26	-	-	1	100	0	0	0	0	0	0	0	0	0	0
Total	**21**					**10**	**47.62**	**0**	**0**	**0**	**0**	**10**	**47.62**	**1**	**4.76**	**0**	**0**
Nagaland																	
Dimapur	1	-	-	5.16	5.16	0	0	0	0	0	0	0	0	0	0	1	100
Wokha	2	1.49	1.49	7.68	7.68	1	50	0	0	0	0	0	0	0	0	1	50
Total	**3**					**1**	**33.33**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**66.67**
Tripura																	
North Tripura	6	0.21	0.42	0.01	0.29	2	33.3	0	0	0	0	4	66.7	0	0	0	0
South Tripura	5	0.07	1.08	0.17	0.18	3	60	0	0	0	0	2	40	0	0	0	0
West Tripura	15	0.06	1.04	0.1	4.17	4	26.7	0	0	0	0	10	66.7	0	0	1	6.7
Total	**26**					**9**	**34.62**	**0**	**0**	**0**	**0**	**16**	**61.54**	**0**	**0**	**1**	**3.84**
Grand Total	**247**	**-**	**-**	**-**	**-**	**112**	**45.3**	**2**	**0.8**	**0**	**0**	**123**	**49.8**	**5**	**2**	**5**	**2**

ANNEXURE -XX

LONG TERM GROUND WATER LEVEL TREND –PRE MONSOON

Period: March 2008 - March 2014

STATE / DISTRICT	STATION	WELL NO	RISE	FALL
Arunachal Pradesh				
Changlang	Jairampur	92A4A1	-	0.113
Changlang	Namchik	92A3A1	0.044	-
Changlang	Namphai	92A3A2	-	0.356
Changlang	Newlisan Kharsang	92A2A1	0.288	-
East Siang	Berung	83M1B4	-	0.137
Lohit	Lathow	83M2D1	-	0.209
Papumpare	Kimin	83E3D2	0.099	-
Papumpare	Sonajuli	83E4C1	0.986	-
Tirap	Borduria	83M4B3	0.337	-
Tirap	Deomali	83M4C1	0.185	-
Tirap	Hukanjuri	83M4B4	0.635	-
Assam				
Barpeta	Bhawanipur	78N3A1		0.123
Barpeta	Sarupeta	78N3A6		0.227
Barpeta	Sorbhog	78J3D4		0.099
Bongaigaon	Abhayapuri	78J3C2		0.018
Bongaigaon	Baitamari	78J3C1	0.072	
Bongaigaon	Bijni	78J3C5		0.08
Bongaigaon	Bongaigaon New	78J3C9	0.016	
Bongaigaon	Chalantapara	78J3C4	0.006	
Bongaigaon	Manikpur	78J3D1	0.048	
Bongaigaon	Medhipara(Deo)	78J3C6		0.136
Bongaigaon	North salmara	78J3C8	0.042	
Cachar	Badribasti	83D1D7		0.476
Cachar	Badribasti OW	83D1D8		0.048
Cachar	Borjalinga	83D2D1	0.051	
Cachar	Borkhola	83D1C8	0.123	
Cachar	Digharkhal	83D1C3		0.339
Cachar	Ghungoor TW	83D1D10		0.029
Cachar	Kalain	83D1C14		0.684
Cachar	Kalain PZ	83D1C13		0.138
Cachar	Moinarbond	83D1D6		0.068
Cachar	Palanghat	83D2D10	0.027	
Cachar	Razabazar	83H1A7		0.085
Cachar	Shivtila	83H1A4		0.553
Darrang	Baitamari (Beltala	83B2A8		0.04

STATE / DISTRICT	STATION	WELL NO	RISE	FALL
Darrang	Bengbari	78N2D10		0.007
Darrang	Bhalukmari-I	83B2A7	0.119	
Darrang	Dalgaon	83B2A2		0.039
Darrang	Gelabil (Thelamara)	83B2B6		0.029
Darrang	Kalaigaon	78N2D3		0.002
Darrang	Kendurtal	78N2D11		0.006
Darrang	Madhupur	83B2A6		0.056
Darrang	Mangaldoi	83B3A1	0.011	
Darrang	Mangaldoi II	83B3A3	0.086	
Darrang	Orang	83B2B1		0.016
Darrang	Paneri	78N2D9	0.225	
Darrang	Paneri TG	78N2D1		0.743
Darrang	Rowta chariali	83B2A3		0.019
Darrang	Tangla	78N2D2		0.082
Darrang	Thekerabari .1	83B2A1	0.012	
Darrang	Udalguri	83B2A4		0.034
Dhemaji	Akajan	83I2D1		0.019
Dhemaji	Bhagaban charali	83I2D2	0.026	
Dhemaji	Bijoypur	83M1A3	0.155	
Dhemaji	Bordoloni	83I3B1		0.04
Dhemaji	Dhakuakhana1	ASDM07		0.115
Dhemaji	Dhemaji 1	83I3C1		0.023
Dhemaji	Ghilamara	ASDM11		0.035
Dhemaji	Jonai murkongselek	83M1A1		0.086
Dhemaji	Silapathar	83I2C1		0.136
Dhemaji	Siripani	83I2C3		0.076
Dhemaji	Sisibargaon	83I2C2		0.069
Dhemaji	Telem	83M2A1	0.061	
Dhubri	Bagaribari	78J4A4		0.096
Dhubri	Bahalpur	78J3B4		0.021
Dhubri	Bilasipara	78J4A1		0.039
Dhubri	Chapar	78J3B2	0.044	
Dhubri	Dhubri Town	78F4D4		0.346
Dhubri	Mancachar	78G2D3	0.008	
Dhubri	Panbari	78J4A2	0.157	
Dhubri	Rupshi	78F4D3		0.101
Dibrugarh	Azarguri gaon	83I3D4		0.052
Dibrugarh	Bamunbari	83I4D4	0.26	
Dibrugarh	Barbaruah	83I3D6		0.024
Dibrugarh	Chabua	83M3A2		0.437
Dibrugarh	Dibrugarh	83I3D1		0.092

STATE / DISTRICT	STATION	WELL NO	RISE	FALL
Dibrugarh	Dikom	83M3A1		0.011
Dibrugarh	Jaipur Naharani	83M3A4		0.052
Goalpara	Agia1	78J4C3		0.075
Goalpara	Baida	78J4B3		0.65
Goalpara	Damra	78K1D8		0.02
Goalpara	Dhupdhara	78O1A2		0.346
Goalpara	Dudhnai	78K1D1	0.095	
Goalpara	Goalpara Town	78J4C4	0.393	
Goalpara	Khutabari	78N4A1		0.094
Goalpara	Krishnai	78J4C1	0.199	
Goalpara	Lakhipur	78J4B1		0.044
Goalpara	Matia	78J4D1	0.343	
Goalpara	Rongjuli	78K1D2		0.089
Golaghat	Oating	83J3A1		0.164
Hailakandi	Syedband Part II	ASHL01A	0.15	
Jorhat	Dabarapara charali	83J2B3	0.068	
Jorhat	Kakojan1	83J1B1		0.198
Jorhat	Mariani	83J2B4	0.402	
Jorhat	Rajoi TG	83J2B5	0.192	
Jorhat	Saklatinga TGI	83J2A11	0.558	
Jorhat	Selenghat	83J2B2	0.403	
Jorhat	Tipamia	83J2A6	0.162	
Jorhat	Titabor	83J2A7	0.076	
Kamrup	Agyathuri	78N4C2	0.762	
Kamrup	Alikash Adarsh	78N4C16	0.028	
Kamrup	Bamunigaon1	78N4B3		0.386
Kamrup	Chandrapur	78N4D9		0.197
Kamrup	Darkuchi	78N2C4	0.003	
Kamrup	Hajo	78N4C5	0.385	
Kamrup	Kahara	78N3C2		0.051
Kamrup	Rajapara	78O1A3		0.392
Kamrup	Rangia	78N3C1	0.238	
Kamrup	Sualkuchi	78N4C11		0.076
Kamrup Metro	Amingaon(ii)	78N4C18	0.344	
Kamrup Metro	Azara	78N4C1	0.014	
Kamrup Metro	Boragaon	78N4C7		0.496
Kamrup Metro	Kahilipara	78N4D7		0.466
Kamrup Metro	Khanapara	78N4D3		1.371
Kamrup Metro	Khetri	83B4A3		0.03
Kamrup Metro	Maligaon	78N4C6	0.857	
Kamrup Metro	Rani1	78N4C9		0.351

STATE / DISTRICT	STATION	WELL NO	RISE	FALL
Kamrup Metro	Sonapur	83B4A2	0.016	
Kamrup Metro	Topatoli	83B4A4	0.169	
Kamrup Metro	Zoo narangi rd	78N4D2		0.812
Karbi Anglong	Balipathar	83F4D3	0.197	
Karbi Anglong	Boithalangsu	83C1C2		0.436
Karbi Anglong	Bokajan	83F4D2	0.449	
Karbi Anglong	Bokulia	83G1C3	0.004	
Karbi Anglong	Dengaon R5	83B4D7		0.114
Karbi Anglong	Deopani	83F4D4		0.178
Karbi Anglong	Dillai	83G1C4		0.028
Karbi Anglong	Diphu	83G1B1	0.726	
Karbi Anglong	Donkamokam	83C1C1	0.006	
Karbi Anglong	Hapjan	83G1C1	0.949	
Karbi Anglong	Hawaipur	83C1D5		0.033
Karbi Anglong	Hidipi	83F4C1	0.34	
Karbi Anglong	Kalonga	83C1D2		0.407
Karbi Anglong	Khatkhati	83G1D3		0.015
Karbi Anglong	Kheronighat	83C1D3	0.095	
Karbi Anglong	Manja Forest	83G1B2	0.342	
Karbi Anglong	Phuloni	83F4A2		0.139
Karbi Anglong	Silanijan	83F3D1	0.237	
Karbi Anglong	Siljuri	83F2B2		0.546
Karimganj	Badarpur	83D1C1		0.697
Karimganj	Badarpur Pz	83D1C9	0.565	
Karimganj	Dhaulia	83D2B6	0.042	
Karimganj	Hatikira	83D3B1	0.094	
Karimganj	Rk Nagar I	83D2B4		0.252
Karimganj	Sarkaribari	83D2B7		0.025
Karimganj	Shrigauri	83D1C5	0.069	
Lakhimpur	Bhogpur charali	83E4D1		0.124
Lakhimpur	Bihpuria	83E4D4	0.04	
Lakhimpur	Boginadi(balijan)	83I3A1	0.078	
Lakhimpur	Dholpur	83F1D1		0.043
Lakhimpur	Dolanghat chara	83I4A3	0.096	
Lakhimpur	Harmoti	83E4D6		0.064
Lakhimpur	Islampur	83E4D3	0.004	
Lakhimpur	Kadam	83I3A3		0.01
Lakhimpur	Laluk	83E4D2		0.049
Lakhimpur	N.lakhipur(old)	83I4A1		0.034
Lakhimpur	Naoboisa	83I4A4	0.028	
Lakhimpur	Narayanpur	83F1D4	0.148	

STATE / DISTRICT	STATION	WELL NO	RISE	FALL
Lakhimpur	Panigaon	83I4A2		0.013
Lakhimpur	Pathalipam	83I3B6	0.002	
Morigaon	Baghara	83B4B2	0.129	
Morigaon	Garmari gaon	83B3A4		0.322
Morigaon	Jagiroad	83B4A1		0.158
Morigaon	Morigaon	83B3B10	0.011	
Morigaon	Nelle	83B4B4		0.567
Nagaon	Amsoi	83B4B5		0.226
Nagaon	Beldonga mandir	83B4D8	0.425	
Nagaon	Bichamari	83B3B1	0.608	
Nagaon	Bordowa	83B3C2		0.089
Nagaon	Dhing	83B3B6	0.345	
Nagaon	Doboka	83B4D1		0.393
Nagaon	Haldiati sub bt	83B4D6	0.01	
Nagaon	Jurapukhuri	83C1D7		0.143
Nagaon	Kathiatoli	83B4C4		0.065
Nagaon	Kondali	83B3D5	0.096	
Nagaon	Lanka	83C1D1	0.418	
Nagaon	Nadeorigaon	83B4D2	0.03	
Nagaon	Samuguri	83B3D7	0.144	
Nagaon	Silghat	83B2D6	0.309	
Nagaon	Sulung p.o.	83B3D8	0.023	
Nagaon	Telia bebejia	83B3C7		0.03
Nalbari	Tamulpur	78N2C1	0.133	
Nalbari	Tihu	78N3B3		0.085
Sibsagar	Bandarmari	83I4C14	0.243	
Sibsagar	Betbari alimore	83I4C8	0.301	
Sibsagar	Demow Sukan	83I4C11	0.204	
Sibsagar	Geleki	83J1C9	0.011	
Sibsagar	Hanumanbagh	83J1C7	0.437	
Sibsagar	Moranhat	83I4D1		0.066
Sibsagar	Rajabari TE	83I4C7	0.469	
Sibsagar	Sapekhati	83M4A1	0.129	
Sibsagar	Sibsagar	83J1C2	0.316	
Sonitpur	Balipara	83B1D4		0.094
Sonitpur	Bihupukhuri	83F2A7	0.105	
Sonitpur	Biswanath	83F2A8		0.043
Sonitpur	Biswanath chara	83F2A6	0.367	
Sonitpur	Borgang	83F1B2		0.006
Sonitpur	Charduar	83B1D1	0.002	
Sonitpur	Dhalaibil	83B1D3	0.014	

STATE / DISTRICT	STATION	WELL NO	RISE	FALL
Sonitpur	Dhekiajuli	83B2B2		0.037
Sonitpur	Garumari	83B1D2		0.003
Sonitpur	Gohpur	83F1C2	0.009	
Sonitpur	Hawajan	83F1C4	0.041	
Sonitpur	Jamuguri North	83B2D3	0.036	
Sonitpur	Sootia	83F2A2	0.037	
Sonitpur	Tezpur	83B2D2	0.001	
Tinsukia	Bordumsa	83M3D3	0.249	
Tinsukia	Borgolai	83M3C2		0.028
Tinsukia	Bortorani	83M2B4	0.219	
Tinsukia	Digboi	83M3C1		0.383
Tinsukia	Jagun	83M3D4		0.11
Tinsukia	Jaipur naharjan	83M4B5		0.429
Tinsukia	Ledo forest off	83M3C3	0.61	
Tinsukia	Lekhapani	83M3D1	0.145	
Tinsukia	Panitola	83M3B4	0.093	
Tinsukia	Rangagora guijn	83M2B3	0.036	
Tinsukia	Tinsukia	83M3B2		0.175
Tinsukia	Tirap gate	83M3D2	0.08	
Meghalaya				
East Garo Hills	Bajengdoba	78K1C2	-	0.6
East Garo Hills	Darugiri	78K2D2	-	0.13
East Garo Hills	Depa sarangma	78K1D4	-	0.229
East Garo Hills	Kharkutta	78K1D7	0.009	-
East Garo Hills	Mendal	78K1B1	0.03	-
East Garo Hills	Mendipathar	78K1C1	-	0.265
East Garo Hills	Rongjeng	78K2D1	-	0.265
East Garo Hills	Rongmil	78K2D3	-	0.313
East Garo Hills	Williamnagar	78K2C2	-	0.054
East Khasi Hills	Balat	78O4B1	-	0.336
East Khasi Hills	Shillong Polo	78O2D1	-	1.259
Jaintia hills	Dauki	83C4A1	-	0.234
Ri-Bhoi	Nongpoh	78O1D1	-	0.021
West Garo Hills	Ampati	78G3D1	-	0.063
West Garo Hills	Asanang	78K2B1	-	0.097
West Garo Hills	Barengapara	78K4A1	0.119	-
West Garo Hills	Borkona	78G2D4	-	0.22
West Garo Hills	Garobandha	78K2A1	0.422	-
West Garo Hills	Kherapara	78K3A2	-	0.065
West Garo Hills	Mahendraganj	78G3D2	-	0.106
West Garo Hills	Nidanpur	78K1A3	-	0.301

STATE / DISTRICT	STATION	WELL NO	RISE	FALL
West Garo Hills	Phulbari	78K1A1	-	0.614
West Garo Hills	Purkhasia	78K3A1	-	0.229
West Garo Hills	Tikrikilla	78K1A2	-	0.031
West Garo Hills	Zikzak PZ	78G3D5	-	0.355
West Khasi Hills	Mairang	78O2C1	0.009	-
Nagaland				
Dimapur	Chumkidima	83G1D1	0.668	-
Dimapur	Dhansiripar	83G1C5	-	0.386
Dimapur	Dimapur	83G1C2	-	1.437
Dimapur	Jalukie	83G2C1	-	0.367
Dimapur	Singrijan	83G1C6	0.155	-
Mokokchung	Lampi	83J3B1	-	0.117
Tripura				
Dhalai	Abhanga N	TRDL04	-	0.126
Dhalai	Kamalpur	78P4D1	-	0.099
Dhalai	Manu N	TRDL05	-	0.013
North Tripura	Bagbasa N	TRNT10	0.163	-
North Tripura	Dharmanagar	83D3B2	-	0.011
North Tripura	Gauranagar N	TRNT11	0.44	-
North Tripura	Kumarghat	83D4A6	0.238	-
North Tripura	Panisagar	83D4A1	0.179	-
North Tripura	Pecharthal	83D4A7	0.402	-
South Tripura	Dhawajnagar Udaipur	79M2B8	-	0.027
South Tripura	Garjee Bazar	79M3B4	-	0.219
South Tripura	Hrishyamukh	79M4C4	0.136	-
South Tripura	Manurmukh	TRST03A	0.03	-
South Tripura	Sabroom	79M4C1	-	0.052
South Tripura	Santirbazar	79M3C1	-	0.001
West Tripura	Badharghat DTW	TRWT25	-	0.127
West Tripura	Bishalgarh	79M2B1	-	0.16
West Tripura	Bodhjanagar Dtw	TRWT19	-	0.205
West Tripura	Bodhjanagar Stw	TRWT20	-	0.358
West Tripura	Champaknagar	79M1B6	0.14	-
West Tripura	Dakshin Kalamcherra	TRWT04A	0.124	-
West Tripura	Kalyanpur	79M1C2	-	0.006
West Tripura	Kathalia bazar	79M3B5	-	0.006
West Tripura	Kenania	79M2A2	-	0.035
West Tripura	Khowai	78P4C5	0.035	-

STATE / DISTRICT	STATION	WELL NO	RISE	FALL
West Tripura	Lichubagan DTW	TRWT21	-	0.233
West Tripura	Lichubagan STW	TRWT22	-	0.177
West Tripura	Mohanpur	79M1B5	0.103	-
West Tripura	Nagicherra1	TRWT29	-	0.32
West Tripura	Nagicherra2	TRWT30	0.021	-
West Tripura	Narsinghgarh DTW	TRWT28	-	0.155
West Tripura	Simna	78P4B1	-	0.092
West Tripura	Sipoyjala	79M2B7	-	0.011
West Tripura	Sonamura1	79M3B6	-	0.092
West Tripura	Suryamaninagar DTW	TRWT23	-	0.021
West Tripura	Suryamaninagar STW	TRWT24	-	0.038
West Tripura	Teliamura	79M1C1	0.104	-

ANNEXURE -XXI

LONG TERM GROUND WATER LEVEL TREND –POST MONSOON

Period: November 2005 - November 2014

STATE / DISTRICT	STATION	WELL NO	RISE	FALL
Arunachal Pradesh				
Changlang	Jairampur	92A4A1	-	0.092
Changlang	Namchik	92A3A1	0.088	-
Changlang	Namphai	92A3A2	-	0.07
Changlang	Newlisan Kharsang	92A2A1	0.025	-
East Siang	Berung	83M1B4	0.069	-
East Siang	Pasighat	82P4B1	-	0.558
Lohit	Lathow	83M2D1	0.07	-
Papumpare	Kimin	83E3D2	0.085	-
Papumpare	Sonajuli	83E4C1	0.004	-
Tirap	Borduria	83M4B3	-	0.083
Tirap	Deomali	83M4C1	-	0.041
Tirap	Hukanjuri	83M4B4	0.125	-
Assam				
Barpeta	Bhawanipur	78N3A1	-	0.096
Barpeta	Sarupeta	78N3A6	-	0.02
Barpeta	Sorbhog	78J3D4	-	0.059
Barpeta	Ujanborbori	78N2A2	0.106	-
Bongaigaon	Abhayapuri	78J3C2	-	0.036
Bongaigaon	Baitamari	78J3C1	0.192	-
Bongaigaon	Bijni	78J3C5	-	0.087
Bongaigaon	Bongaigaon New	78J3C9	-	0.065
Bongaigaon	Chalantapara	78J3C4	-	0.179
Bongaigaon	Chaprakata	78J3C7	-	0.018
Bongaigaon	Manikpur	78J3D1	-	0.039
Bongaigaon	Medhipara(Deo)	78J3C6	0.069	-
Bongaigaon	North salmara	78J3C8	-	0.099
Cachar	Badribasti	83D1D7	-	0
Cachar	Badribasti OW	83D1D8	-	0.011
Cachar	Borjalinga	83D2D1	0.026	-
Cachar	Borkhola	83D1C8	0.05	-
Cachar	Digharkhal	83D1C3	0.058	-
Cachar	Ghungoor TW	83D1D10	0.129	-
Cachar	Kalain	83D1C14	-	0.073
Cachar	Kalain PZ	83D1C13	-	0.005
Cachar	Moinarbond	83D1D6	-	0.062

STATE / DISTRICT	STATION	WELL NO	RISE	FALL
Cachar	Palanghat	83D2D10	0.007	-
Cachar	Panigram Pz	83D1D9	0.16	-
Cachar	Poilapul	83H1A9	0.085	-
Cachar	Razabazar	83H1A7	0.31	-
Cachar	Shivtila	83H1A4	0.009	-
Cachar	Silchar	83D1D1	0.018	-
Darrang	Baitamari (Beltala	83B2A8	-	0.062
Darrang	Bengbari	78N2D10	0.212	-
Darrang	Bhalukmari-I	83B2A7	-	0.144
Darrang	Chamuapara	83B3A2	-	0.083
Darrang	Dalgaon	83B2A2	0.036	-
Darrang	Gelabil (Thelamara)	83B2B6	-	0.075
Darrang	Kalaigaon	78N2D3	-	0.014
Darrang	Kendurtal	78N2D11	-	0.001
Darrang	Madhupur	83B2A6	-	0.148
Darrang	Mangaldoi	83B3A1	0.006	-
Darrang	Mangaldoi II	83B3A3	0.026	-
Darrang	Orang	83B2B1	0.078	-
Darrang	Paneri	78N2D9	0.055	-
Darrang	Paneri TG	78N2D1	0.177	-
Darrang	Rowta chariali	83B2A3	-	0.061
Darrang	Tangla	78N2D2	-	0.194
Darrang	Thekerabari .1	83B2A1	0.072	-
Darrang	Udalguri	83B2A4	0.035	-
Dhemaji	Akajan	83I2D1	0.043	-
Dhemaji	Bhagaban charali	83I2D2	-	0.1
Dhemaji	Bijoypur	83M1A3	0.049	-
Dhemaji	Bordoloni	83I3B1	0.041	-
Dhemaji	Dhakuakhana1	ASDM07	-	0.055
Dhemaji	Dhemaji 1	83I3C1	0.061	-
Dhemaji	Ghilamara	ASDM11	-	0.019
Dhemaji	Jonai murkongselek	83M1A1	0.043	-
Dhemaji	Silapathar	83I2C1	0.045	-
Dhemaji	Siripani	83I2C3	0.023	-
Dhemaji	Sisibargaon	83I2C2	0.056	-
Dhemaji	Telem	83M2A1	0.076	-
Dhubri	Bagaribari	78J4A4	-	0.058
Dhubri	Bahalpur	78J3B4	-	0.046
Dhubri	Bilasipara	78J4A1	0.019	-
Dhubri	Chapar	78J3B2	-	0.01
Dhubri	Dhubri Town	78F4D4	-	0.214

STATE / DISTRICT	STATION	WELL NO	RISE	FALL
Dhubri	Mancachar	78G2D3	-	0.016
Dhubri	Manipur Basti	78J4A5	0.249	-
Dhubri	Panbari	78J4A2	-	0.075
Dhubri	Rupshi	78F4D3	0.197	-
Dhubri	Tamarhat	78F4D2	0.209	-
Dibrugarh	Azarguri gaon	83I3D4	0.006	-
Dibrugarh	Bamunbari	83I4D4	0.039	-
Dibrugarh	Barbaruah	83I3D6	-	0.03
Dibrugarh	Chabua	83M3A2	-	0.194
Dibrugarh	Dibrugarh	83I3D1	0.147	-
Dibrugarh	Dikom	83M3A1	-	0.006
Dibrugarh	Jaipur Naharani	83M3A4	-	0.01
Goalpara	Agia1	78J4C3	-	0.066
Goalpara	Baida	78J4B3	-	0.015
Goalpara	Damra	78K1D8	0.014	-
Goalpara	Dhupdhara	78O1A2	-	0.157
Goalpara	Dudhnai	78K1D1	-	0.078
Goalpara	Goalpara Town	78J4C4	0.174	-
Goalpara	Khutabari	78N4A1	-	0.11
Goalpara	Krishnai	78J4C1	0.106	-
Goalpara	Lakhipur	78J4B1	-	0.103
Goalpara	Matia	78J4D1	-	0.147
Goalpara	Rongjuli	78K1D2	0.01	-
Golaghat	Kamargaon	83J2A4	-	0.286
Golaghat	Kohra kaziranga	83F2B1	-	0.151
Golaghat	Oating	83J3A1	-	0.156
Hailakandi	Panchgram New	ASHL05A	-	0.177
Hailakandi	Syedband Part II	ASHL01A	-	0.185
Jorhat	Baghmaria	83J2A10	-	0.094
Jorhat	Dabarapara charali	83J2B3	-	0.049
Jorhat	Kakojan1	83J1B1	-	0.092
Jorhat	Mariani	83J2B4	0.036	-
Jorhat	Rajoi TG	83J2B5	-	0.046
Jorhat	Saklatinga TGI	83J2A11	-	0.068
Jorhat	Selenghat	83J2B2	-	0.012
Jorhat	Tipamia	83J2A6	0.031	-
Jorhat	Titabor	83J2A7	-	0.134
Kamrup	Agyathuri	78N4C2	0.017	-
Kamrup	Alikash Adarsh	78N4C16	0.007	-
Kamrup	Bamunigaon1	78N4B3	-	0.151
Kamrup	Chandrapur	78N4D9	-	0.007

STATE / DISTRICT	STATION	WELL NO	RISE	FALL
Kamrup	Darkuchi	78N2C4	-	0.031
Kamrup	Goreswar	78N2C2	0.081	-
Kamrup	Hajo	78N4C5	0.343	-
Kamrup	Kahara	78N3C2	0.068	-
Kamrup	Rajapara	78O1A3	-	0.023
Kamrup	Rangia	78N3C1	0.4	-
Kamrup	Sualkuchi	78N4C11	0.016	-
Kamrup Metro	Amingaon(ii)	78N4C18	-	0.234
Kamrup Metro	Azara	78N4C1	-	0.022
Kamrup Metro	Boragaon	78N4C7	-	0.004
Kamrup Metro	Dirgheswari	78N4C12	0.073	-
Kamrup Metro	Kahilipara	78N4D7	0.01	-
Kamrup Metro	Khanapara	78N4D3	-	0.072
Kamrup Metro	Khetri	83B4A3	-	0.023
Kamrup Metro	Maligaon	78N4C6	0.312	-
Kamrup Metro	Paltan bazar	78N4C14	0.071	-
Kamrup Metro	Panikhaiti	78N4D4	-	0.113
Kamrup Metro	Rani1	78N4C9	-	0.061
Kamrup Metro	Sonapur	83B4A2	0.148	-
Kamrup Metro	Topatoli	83B4A4	-	0.019
Kamrup Metro	Zoo narangi rd	78N4D2	0.104	-
Karbi Anglong	Balipathar	83F4D3	0.049	-
Karbi Anglong	Boithalangsu	83C1C2	-	0.139
Karbi Anglong	Bokajan	83F4D2	-	0.3
Karbi Anglong	Bokulia	83G1C3	-	0.094
Karbi Anglong	Borjan	83F4B1	0.115	-
Karbi Anglong	Dengaon R5	83B4D7	0.3	-
Karbi Anglong	Dentaghat	83F3A1	0.466	-
Karbi Anglong	Deopani	83F4D4	-	0.657
Karbi Anglong	Dillai	83G1C4	-	0.116
Karbi Anglong	Diphu	83G1B1	-	0.138
Karbi Anglong	Donkamokam	83C1C1	-	0.356
Karbi Anglong	Habranrangapar	83F4A7	1.407	-
Karbi Anglong	Hapjan	83G1C1	0.101	-
Karbi Anglong	Hawaipur	83C1D5	0.529	-
Karbi Anglong	Hidipi	83F4C1	-	0.272
Karbi Anglong	Kalonga	83C1D2	0.545	-
Karbi Anglong	Khatkhati	83G1D3	-	0.16
Karbi Anglong	Kheronighat	83C1D3	-	0.281
Karbi Anglong	Manikpur	83F4A6	-	0.06
Karbi Anglong	Manja Forest	83G1B2	-	0.028

STATE / DISTRICT	STATION	WELL NO	RISE	FALL
Karbi Anglong	Phuloni	83F4A2	0.086	-
Karbi Anglong	Silanijan	83F3D1	0.059	-
Karbi Anglong	Siljuri	83F2B2	0.123	-
Karimganj	Badarpur	83D1C1	0.292	-
Karimganj	Badarpur Pz	83D1C9	0.017	-
Karimganj	Dhaulia	83D2B6	0.058	-
Karimganj	Hatikira	83D3B1	0.106	-
Karimganj	Rk Nagar I	83D2B4	0.162	-
Karimganj	Sarkaribari	83D2B7	0.075	-
Karimganj	Shrigauri	83D1C5	0.178	-
Kokrajhar	Kokrajhar	78J3B1	-	0.071
Lakhimpur	Amsoi	ASLK01	-	0.168
Lakhimpur	Basudeothan	83I3B8	-	0.025
Lakhimpur	Bhogpur charali	83E4D1	0.01	-
Lakhimpur	Bihpuria	83E4D4	0.07	-
Lakhimpur	Boginadi(balijan)	83I3A1	0.064	-
Lakhimpur	Dholpur	83F1D1	0.066	-
Lakhimpur	Dolanghat chara	83I4A3	0.01	-
Lakhimpur	Harmoti	83E4D6	0.028	-
Lakhimpur	Islampur	83E4D3	-	0.009
Lakhimpur	Kadam	83I3A3	0.032	-
Lakhimpur	Kakai	83I3A2	0.22	-
Lakhimpur	Laluk	83E4D2	0.037	-
Lakhimpur	N.lakhipur(old)	83I4A1	-	0.012
Lakhimpur	Naoboisa	83I4A4	-	0.061
Lakhimpur	Narayanpur	83F1D4	0.12	-
Lakhimpur	Panigaon	83I4A2	-	0.01
Lakhimpur	Pathalipam	83I3B6	-	0.035
Morigaon	Baghara	83B4B2	-	0.033
Morigaon	Garmari gaon	83B3A4	-	0.247
Morigaon	Jagiroad	83B4A1	-	0.041
Morigaon	Jaluguti	83B3B8	-	0.001
Morigaon	Morigaon	83B3B10	0.009	-
Morigaon	Nasatra	83B4A5	-	0.067
Morigaon	Nelle	83B4B4	0.007	-
Nagaon	Amsoi	83B4B5	-	0.188
Nagaon	Bagori	83F2A4	0.273	-
Nagaon	Bamuni tinali	83B3D9	0.142	-
Nagaon	Beldonga mandir	83B4D8	-	0.052
Nagaon	Bichamari	83B3B1	-	0.152
Nagaon	Bordowa	83B3C2	-	0.124

STATE / DISTRICT	STATION	WELL NO	RISE	FALL
Nagaon	Dhing	83B3B6	0.083	-
Nagaon	Doboka	83B4D1	-	0.012
Nagaon	Haldiati sub bt	83B4D6	0.01	-
Nagaon	Jurapukhuri	83C1D7	-	0.169
Nagaon	Kathiatoli	83B4C4	0.02	-
Nagaon	Kondali	83B3D5	-	0.028
Nagaon	Langteng TE	83F3A2	0.325	-
Nagaon	Lanka	83C1D1	0.241	-
Nagaon	Lumding	83G1A1	0.519	-
Nagaon	Nadeorigaon	83B4D2	0.295	-
Nagaon	Phulaguri R6	83F2A5	-	0.113
Nagaon	Samuguri	83B3D7	0.132	-
Nagaon	Silghat	83B2D6	0.314	-
Nagaon	Sulung p.o.	83B3D8	0.071	-
Nagaon	Telia bebejia	83B3C7	-	0.119
Nalbari	Arikuchi	78N3B4	0.133	-
Nalbari	Tamulpur	78N2C1	-	0.185
Nalbari	Tihu	78N3B3	-	0.056
Sibsagar	Bandarmari	83I4C14	0.066	-
Sibsagar	Betbari alimore	83I4C8	-	0.002
Sibsagar	Demow Sukan	83I4C11	0.041	-
Sibsagar	Geleki	83J1C9	-	0.27
Sibsagar	Hanumanbagh	83J1C7	0.148	-
Sibsagar	Moranhat	83I4D1	-	0.055
Sibsagar	Rajabari TE	83I4C7	0.059	-
Sibsagar	Sapekhati	83M4A1	-	0.06
Sibsagar	Sibsagar	83J1C2	-	0.038
Sonitpur	Balipara	83B1D4	-	0.082
Sonitpur	Barchola	83B2B5	-	0.069
Sonitpur	Bihupukhuri	83F2A7	0.067	-
Sonitpur	Biswanath	83F2A8	0.3	-
Sonitpur	Biswanath chara	83F2A6	-	0.633
Sonitpur	Borgang	83F1B2	0.017	-
Sonitpur	Charduar	83B1D1	-	0.014
Sonitpur	Dhalaibil	83B1D3	0.072	-
Sonitpur	Dhekiajuli	83B2B2	-	0.088
Sonitpur	Garumari	83B1D2	0.063	-
Sonitpur	Gohpur	83F1C2	-	0.085
Sonitpur	Hawajan	83F1C4	0.06	-
Sonitpur	Jamuguri North	83B2D3	-	0.014
Sonitpur	Rangapara	83B2C1	0.012	-

STATE / DISTRICT	STATION	WELL NO	RISE	FALL
Sonitpur	Sootia	83F2A2	0.076	-
Sonitpur	Tezpur	83B2D2	0.009	-
Tinsukia	Bordumsa	83M3D3	0.036	-
Tinsukia	Borgolai	83M3C2	0.187	-
Tinsukia	Bortorani	83M2B4	0.176	-
Tinsukia	Digboi	83M3C1	0.053	-
Tinsukia	Jagun	83M3D4	-	0.058
Tinsukia	Jaipur naharjan	83M4B5	0.156	-
Tinsukia	Ledo forest off	83M3C3	-	0.022
Tinsukia	Lekhapani	83M3D1	0.19	-
Tinsukia	Panitola	83M3B4	0.123	-
Tinsukia	Philobari	83M2C7	0.069	-
Tinsukia	Rangagora guijn	83M2B3	0.11	-
Tinsukia	Tinsukia	83M3B2	0.019	-
Tinsukia	Tirap gate	83M3D2	0.167	-
Manipur				
Imphal East	Jiribam	83H1A2	0.124	-
Meghalaya				
East Garo Hills	Bajengdoba	78K1C2	-	0.274
East Garo Hills	Darugiri	78K2D2	-	0.056
East Garo Hills	Depa sarangma	78K1D4	0.039	-
East Garo Hills	Kharkutta	78K1D7	-	0.045
East Garo Hills	Mendal	78K1B1	0.044	-
East Garo Hills	Mendipathar	78K1C1	-	0.015
East Garo Hills	Rongjeng	78K2D1	-	0.014
East Garo Hills	Rongmil	78K2D3	-	0.146
East Garo Hills	Williamnagar	78K2C2	0.005	-
East Khasi Hills	Balat	78O4B1	-	0.163
East Khasi Hills	Cherrapunji	78O3C1	-	0.046
East Khasi Hills	Mawngap	78O3D1	-	0.008
East Khasi Hills	Shillong Polo	78O2D1	-	0.013
Jaintia hills	Dauki	83C4A1	0.133	-
Jaintia hills	Jowai	83C3A1	0.257	-
Ri-Bhoi	Jorabat	78N4D6	0.233	-
Ri-Bhoi	Nongpoh	78O1D1	-	0.002
West Garo Hills	Ampati	78G3D1	-	0.12
West Garo Hills	Asanang	78K2B1	0.057	-
West Garo Hills	Barengapara	78K4A1	0.013	-
West Garo Hills	Borkona	78G2D4	-	0.233
West Garo Hills	Garobandha	78K2A1	-	0.25
West Garo Hills	Kherapara	78K3A2	-	0.072

STATE / DISTRICT	STATION	WELL NO	RISE	FALL
West Garo Hills	Mahendraganj	78G3D2	-	0.086
West Garo Hills	Nidanpur	78K1A3	-	0.102
West Garo Hills	Phulbari	78K1A1	0.055	-
West Garo Hills	Purkhasia	78K3A1	0.108	-
West Garo Hills	Tikrikilla	78K1A2	0.021	-
West Garo Hills	Zikzak PZ	78G3D5	-	0.072
West Khasi Hills	Mairang	78O2C1	0.041	-
Nagaland				
Dimapur	Chumkidima	83G1D1	0.269	-
Dimapur	Dgm Colony	83G1C8	-	1.202
Dimapur	Dgmofficedimapur	83G13GM10	-	1.737
Dimapur	Dhansiripar	83G1C5	-	0.511
Dimapur	Dimapur	83G1C2	0.005	-
Dimapur	Industrial Estate	83G1C7	0.08	-
Dimapur	Jalukie	83G2C1	-	0.173
Dimapur	Marwari Colony	83G1C9	0.258	-
Dimapur	Purana Bazar	83G1C10	-	0.812
Dimapur	Singrijan	83G1C6	-	0.01
Kohima	Cathedral Complex	83K2A1	0.227	-
Kohima	NLSA Complex	83K2A2	-	0.029
Kohima	Sepfuzou Colony	83K2A3	-	0.366
Mokokchung	Lampi	83J3B1	0.091	-
Mon	Namsa	83J1D1	0.098	-
Wokha	New Market	83J4B2	-	0.398
Wokha	Tourist Lodge	83J4B1	0.137	-
Tripura				
Dhalai	Abhanga N	TRDL04	-	0.081
Dhalai	Ambassa	79M1D1	-	0.007
Dhalai	Kamalpur	78P4D1	0.064	-
Dhalai	Manu N	TRDL05	0.039	-
North Tripura	Bagbasa N	TRNT10	0.05	-
North Tripura	Dharmanagar	83D3B2	0.063	-
North Tripura	Gauranagar N	TRNT11	-	0.047
North Tripura	Kumarghat	83D4A6	0.207	-
North Tripura	Panisagar	83D4A1	0.063	-
North Tripura	Pecharthal	83D4A7	-	0.107
South Tripura	Dhawajnagar Udaipur	79M2B8	-	0.107
South Tripura	Garjee Bazar	79M3B4	-	0.095
South Tripura	Hrishyamukh	79M4C4	0.327	-
South Tripura	Manurmukh	TRST03A	0.135	-

STATE / DISTRICT	STATION	WELL NO	RISE	FALL
South Tripura	Sabroom	79M4C1	-	0.111
South Tripura	Santirbazar	79M3C1	-	0.015
West Tripura	Badharghat DTW	TRWT25	-	0.168
West Tripura	Bishalgarh	79M2B1	-	0.253
West Tripura	Bodhjanagar Dtw	TRWT19	-	0.175
West Tripura	Bodhjanagar Stw	TRWT20	-	0.409
West Tripura	Champaknagar	79M1B6	-	0.279
West Tripura	Dakshin Kalamcherra	TRWT04A	-	0.12
West Tripura	Kalyanpur	79M1C2	-	0.03
West Tripura	Kathalia bazar	79M3B5	-	0.068
West Tripura	Kenania	79M2A2	-	0.134
West Tripura	Khowai	78P4C5	0.036	-
West Tripura	Lichubagan DTW	TRWT21	-	0.171
West Tripura	Lichubagan STW	TRWT22	-	0.23
West Tripura	Mohanpur	79M1B5	-	0.241
West Tripura	Nagicherra1	TRWT29	-	0.044
West Tripura	Nagicherra2	TRWT30	-	0.789
West Tripura	Nalchar	79M2B5	-	0.154
West Tripura	Narsinghgarh DTW	TRWT28	-	0.105
West Tripura	Simna	78P4B1	-	0.085
West Tripura	Sipoyjala	79M2B7	-	0.006
West Tripura	Sonamura1	79M3B6	-	0.073
West Tripura	Suryamaninagar DTW	TRWT23	-	0.102
West Tripura	Suryamaninagar STW	TRWT24	-	0.071
West Tripura	Teliamura	79M1C1	-	0.05

Annexure - XXII

CHEMICAL QUALITIES DATA OF GROUND WATER IN NER

S.No	Village	Well_Type	pH	EC (µs/cm) 25C	Turbidity (NTU)	TDS	CO3-2	HCO3-1	Cl-	SO4-2	NO3-1	F-	Ca+2 (Ca)	Mg+2 (Mg)	TH (as CaCO3)	Na	K	Fe
ARUNACHAL PRADESH																		
Changlang																		
1	Jairampur	Dug Well	7.7	264	BDL	134	8	60	39.99	9.61	3.1	BDL	30.4	13.6	120	12.4	5.3	BDL
2	Namphai	Dug Well	7.7	269.2	BDL	142	16	68	44.4	10.9	3.3	BDL	32	13.6	124	13.1	5.94	BDL
3	Newlisan Kharsang	Dug Well	7.8	356	BDL	183.8	16	80	49.98	13.2	4.9	BDL	32	13.59	128	18.12	6.79	BDL
East Siang																		
4	Berung	Dug Well	7.4	130.2	0.1	87.8	BDL	32	23.9	0.99	1.7	0.05	8	1.94	40	5.9	2.2	0.03
5	Pasighat New	Dug Well	6.62	43.05	0.1	20.94	BDL	4	9.9	0.99	0.3	0.05	6.4	0.2	28	1.49	0.33	0.02
6	Pasighat-II	Dug Well	7.3	127.8	BDL	61.1	BDL	44	21.8	1.74	2	0.28	16	8.5	84	7.04	2.2	1.12
7	Ruksin	Dug Well	6.85	54.5	0	23.79	BDL	16	9.9	0.99	0.4	0.05	8	1.9	40	1.9	0.5	0.04
Lohit																		
8	Lathow	Dug Well	8.06	357	BDL	192	16	80	51.3	13.27	5.3	BDL	36.8	14.1	132	22.5	9.42	BDL
Papumpare																		
9	Banderedewa I	Dug Well	7.12	81.8	3	40.07	BDL	28	17.1	1.0	0.7	0.09	9.6	3.88	52	2.47	0.87	0.08
10	Banderedewa II	Dug Well	7.7	249	BDL	125.7	6	52	39.99	8.29	3	1.88	28.8	13.6	120	12	5.28	BDL
11	Chimpu	Dug Well	7.6	166.5	BDL	80	BDL	48	27.3	2.74	2.3	0.37	24	10.7	100	8.05	2.7	5.55
12	Itanagar I	Dug Well	7.6	173	BDL	88	BDL	48	27.3	3.5	2.4	0.37	24	10.9	108	8.84	2.9	6.38
13	Itanagar II	Dug Well	6.92	64.9	1	25.2	BDL	24	11.9	0.99	0.4	0.06	9.6	1.9	44	2.05	0.71	0.04
14	Kimin	Dug Well	7.19	82.2	3.4	41.7	BDL	32	17.1	1.15	1	0.11	11.2	4.9	72	2.84	0.91	0.09
15	Naharlagun I	Dug Well	7.2	93.9	4	43.4	BDL	32	17.9	1.15	1.1	0.16	11.2	4.9	76	2.9	1.04	0.1
16	Naharlagun II	Dug Well	7.6	187.9	BDL	92.67	BDL	48	27.99	5.88	2.4	0.39	25.6	11.7	112	9.55	3.1	12.33
17	Nirjuli Vill IIA	Dug Well	7.22	98.18	4.3	43.8	BDL	32	17.9	1.19	1.1	0.16	11.2	5.3	80	3.82	1.07	0.11
18	Nirjuli Vill IIB	Dug Well	7.25	101	BDL	54.4	BDL	32	17.99	1.30	1.3	0.18	12.8	5.83	80	3.9	1.4	0.18
Tirap																		
19	Borduria	Dug Well	8.1	391.1	BDL	192	16	88	71.8	16.16	6.7	BDL	38.4	16.50	136	24.67	11.2	BDL
20	Deomali	Dug Well	8.14	410.6	BDL	193.6	24	104	79.4	26.84	10.7	BDL	41.6	29.1	196	29.1	11.8	BDL

S.No	Village	Well_Type	pH	EC (µs/cm) 25C	Turbidity (NTU)	TDS	CO3-2	HCO3-1	Cl-	SO4-2	NO3-1	F-	Ca+2 (Ca)	Mg+2 (Mg)	TH (as CaCO3)	Na	K	Fe
21	Hukanjuri	Dug Well	8.15	462.6	BDL	216.8	32	112	85.4	27.78	10.6	BDL	48	43.7	252	30.1	14.9	BDL
ASSAM																		
Baksha																		
22	Jhargaon	Dug Well	8.4	734.7	3	175.9	32	164	116.0	41.7	BDL	1.56	59.2	37.86	264	82.2	29.3	BDL
Barpeta																		
23	Bhawanipur	Dug Well	8.7	535	BDL	263.9	48	132	86.0	30.4	12.8	1.08	46.4	29.6	236	58.9	17.7	12.2
24	Daulasal	Dug Well	8.9	905	BDL	411	72	200	142.0	51.4	BDL	BDL	70.4	43.7	292	96.74	32.5	BDL
25	Dhupguri(Galia)	Dug Well	8.8	33.3	BDL	332	64	12	4.0	1.0	0	0	6.4	0.0	28	0.2	0.18	BDL
26	Goraimari	Dug Well	8.4	509	2.7	175	32	124	77.4	28.25	8.7	0.95	43.2	26.21	208	51.67	15.58	5.16
27	Hastinapur	Dug Well	9.1	287	BDL	621.3	96	76	36.0	9.0	2.2	0.36	27.2	12.6	132	20.5	5.81	0.75
28	Sarupeta	Dug Well	8.5	77.26	4.6	197.5	40	24	7.9	1.0	0.1	0.01	9.6	1.0	40	2.1	0.8	0.01
29	Sorbhog	Dug Well	8.7	783	BDL	264	48	180	134.0	45.33	BDL	BDL	64	39.81	280	92	30.78	BDL
Bongaigaon																		
30	Abhayapuri	Dug Well	8.2	66.9	1	132	24	20	6.0	0.99	0.1	0	8	1.0	36	1.65	0.67	BDL
31	Baitamari	Dug Well	8.4	526	3	180	32	128	85.4	29.66	11.7	1	44.8	28.4	220	55	17.29	7.39
32	Bijni	Dug Well	8.5	530	4.6	199	40	132	85.4	29.98	11.8	1.07	46.4	29.13	228	57.6	17.6	9.22
33	Bongaigaon New	Dug Well	8.4	512	3	182	32	124	80.0	28.4	8.9	0.96	43.2	26.2	208	51.68	15.6	5.23
34	Chalantapara	Dug Well	8	105.2	0.9	114	16	36	15.9	1.1	0.4	0.05	12.8	2.91	60	4.3	1.47	0.05
35	Chaprakata	Dug Well	8.7	158	BDL	267	56	52	22.0	2.56	1.1	0.17	17.6	6.8	84	8.7	2.5	0.18
36	Majgaon	Dug Well	8.4	689.3	3	182.5	32	156	107.2	37.97	BDL	1.35	56	34.95	260	77.7	25.4	BDL
37	Manikpur	Dug Well	7.48	267	0.1	57.2	BDL	76	34.2	8.43	2	0.35	27.2	11.7	128	19.06	5.26	0.68
38	Medhipara(Deo)	Dug Well	8	169.6	0.9	113.3	16	52	23.9	3.03	1.2	0.21	19.2	7.8	92	9.73	2.82	0.23
39	North salmara	Dug Well	8.2	180.6	1	135	24	56	24.0	3.18	1.2	0.21	19.2	7.8	96	10.5	2.9	0.24
Cachar																		
40	Atalbasti	Dug Well	7.4	61.84	0	56.8	0	20	6.0	0.99	0	0	8	0.97	36	1.39	0.63	BDL
41	Badribasti	Dug Well	7.84	133.5	0.5	94.7	8	44	19.9	1.62	0.9	0.12	16	4.9	76	7.15	2.18	0.11
42	Borjalinga	Dug Well	8.42	335	4.8	188.5	40	88	45.7	11.64	2.7	0.44	30.4	14.6	148	24.06	7.24	1.05
43	Borkhola	Dug Well	8.05	217.3	1	122.9	16	64	30.0	5.7	1.6	0.3	24	9.7	112	16.15	3.95	0.46
44	Dargakuna	Dug Well	8.15	610	1	130	16	148	99.3	32.64	BDL	1.26	51.2	33.0	248	67.7	20.66	BDL
45	Digharkhal	Dug Well	7.78	396.8	0.3	82.6	BDL	104	60.0	18.38	4.2	0.64	36.8	20.4	180	35.5	10.4	2.06
46	Fulertol	Dug Well	7.8	328	0.5	90.8	8	84	43.7	10.86	2.6	0.42	30.4	14.6	148	23.2	6.9	1.01

S.No	Village	Well_Type	pH	EC (µs/cm) 25C	Turbidity (NTU)	TDS	CO3-2	HCO3-1	Cl-	SO4-2	NO3-1	F-	Ca+2 (Ca)	Mg+2 (Mg)	TH (as CaCO3)	Na	K	Fe
47	Gosaipur Part-II	Dug Well	8.04	81	1	118	16	28	9.9	0.99	0.1	0.01	9.6	1.94	44	2.4	0.9	0.02
48	Hilara	Dug Well	7.84	164	0.5	95	8	52	23.8	2.87	1.2	0.2	19.2	7.77	92	9.35	2.78	0.22
49	Kalain	Dug Well	8.18	345.9	1	130.3	24	92	48.0	13.21	3	0.48	32	15.53	152	25.38	7.8	1.18
50	Kashipur	Dug Well	7.89	342.7	0.6	96.5	16	88	48.0	12.6	2.9	0.47	32	15.5	152	24.94	7.5	1.14
51	Katigora	Dug Well	7.95	167.3	0.7	108	16	52	23.8	3.03	1.2	0.2	19.2	7.8	92	9.68	2.82	0.23
52	Lakhipur	Dug Well	8.26	410	1.2	143	24	108	64.0	19.79	5	0.67	38.4	22.3	188	37.5	11.1	2.58
53	Masimpur	Dug Well	8.7	311.2	BDL	309	64	84	41.7	10.39	2.5	0.41	30	13.6	144	22.8	6.79	0.95
54	Moinarbond	Dug Well	8.3	181.4	2	163.8	32	56	25.8	3.18	1.3	0.22	20.8	7.8	100	11.1	2.95	0.26
55	Nagdirgram	Dug Well	8.64	224	BDL	258	48	68	30.0	6.2	1.7	0.31	24	9.71	116	16.97	4.04	0.53
56	Poilapul	Dug Well	8	391.5	1	114.8	16	100	58.1	17.44	3.9	0.63	36.8	19.4	172	34.1	9.96	1.85
57	Razabazar	Dug Well	8.66	39.78	BDL	258	48	12	6.0	0.99	0	0	8	0.00	28	0.38	0.2	BDL
58	Shivachal	Dug Well	8.7	602	BDL	305.9	64	140	95.3	32.5	21.6	1.22	49.6	33.0	244	66	19.5	BDL
59	Shivtila	Dug Well	7.72	261	0.3	79.7	BDL	72	34.0	7.7	1.9	0.34	27	11.7	124	18.64	5.14	0.64
60	Silcoorie	Dug Well	7.9	293.9	0.7	105	16	80	37.6	9.1	2.2	0.37	28.8	12.6	136	21	5.9	0.81
61	Tarapur	Dug Well	7.51	233	0.1	65.4	BDL	68	30.0	6.60	1.7	0.32	24	9.7	120	17.59	4.4	0.55
Darrang																		
62	Amjuli colony	Dug Well	8.2	238.7	1.8	115	16	60	21.8	2.71	1.6	0.25	16	8.7	84	14.31	2.81	0.09
63	Bengbari	Dug Well	8.2	357	1	134.9	24	96	50.0	15.1	3.3	0.51	32	16.7	160	27.7	8.54	1.34
64	Bhalukmari-I	Dug Well	8.5	292.5	4.9	195	40	80	37.6	9.0	2.2	0.37	28	12.6	132	20.7	5.9	0.78
65	Chamuapara	Dug Well	8.6	366	BDL	233.7	48	96	52.0	16.0	3.5	0.55	35.2	18.45	160	30.22	9.12	1.51
66	Dalgaon	Dug Well	8.5	409.4	BDL	209	40	108	64.0	19.79	4.9	0.67	38.4	22.3	184	36.8	11.02	2.32
67	Kalaigaon	Dug Well	8.6	621	BDL	233.9	48	148	100.0	33.27	BDL	1.29	52.8	33.98	252	70.14	22.6	BDL
68	Kendurtal	Dug Well	8.6	461.3	BDL	230	48	120	73.4	25.0	7	0.84	40	24.3	200	45.4	13.7	4.26
69	Madhupur	Dug Well	8.5	983	4.7	197.4	40	224	153.8	55.83	BDL	BDL	76.8	46.6	300	104	42.5	BDL
70	Mangaldoi	Dug Well	8.4	365	3	176.5	32	96	52.0	15.7	3.5	0.55	35.2	18.4	160	30.21	9.1	1.5
71	Mangaldoi II	Dug Well	8.4	155.2	3	176	32	52	22.0	2.56	1	0.17	17.6	6.80	84	8.7	2.5	0.18
72	Orang	Dug Well	8.5	527.7	4.6	199.7	40	128	85.4	29.8	11.7	1.01	44.8	29.1	220	55.25	17.4	8.13
73	Paneri	Dug Well	8.3	352.4	1.5	151.4	24	92	50.0	14.62	3.1	0.5	32	16.5	156	26.5	8.14	1.27
74	Paneri TG	Dug Well	8.3	203.9	1.4	149.8	24	60	29.8	4.75	1.5	0.26	22.4	8.74	108	14.5	3.53	0.39
75	Tangla	Dug Well	8.5	218.7	4.6	196	40	68	30.0	5.69	1.6	0.3	24	9.7	112	16.53	3.98	0.5
76	Thekerabari .1	Dug Well	8.4	603	3	183	32	144	99.2	32.48	BDL	1.23	49.6	33.01	248	66.3	20.4	BDL
77	Udalguri	Dug Well	8.8	362	BDL	322	64	96	63.5	15.72	3.4	0.54	33.6	17.48	160	29.53	9	1.44

S.No	Village	Well_Type	pH	EC (µs/cm) 25C	Turbidity (NTU)	TDS	CO3-2	HCO3-1	Cl-	SO4-2	NO3-1	F-	Ca+2 (Ca)	Mg+2 (Mg)	TH (as CaCO3)	Na	K	Fe
Dhemaji																		
78	Akajan	Dug Well	7.5	185	0.1	62.3	BDL	60	26.0	3.65	1.3	0.24	20.8	7.8	100	11.82	3.1	0.31
79	Bhagaban charali	Dug Well	7.6	334.4	0.2	69.76	BDL	88	44.4	11.5	2.7	0.44	30.4	14.6	148	23.8	7.23	1.04
80	Bijoypur	Dug Well	7.9	856	0.6	98	16	184	140.0	48.62	BDL	BDL	67.2	41.5	280	94.5	31.3	BDL
81	Bordoloni	Dug Well	7.61	162.9	0.2	71.8	BDL	52	23.8	2.87	1.2	0.2	19.2	6.80	92	9.26	2.76	0.22
82	Dekapam	Dug Well	8.4	296.3	2.5	173.6	32	80	37.7	9.3	2.3	0.38	28.8	12.6	136	21.5	6.07	0.85
83	Dhemaji 1	Dug Well	7.9	185.3	0.6	98.7	16	60	26.0	3.97	1.3	0.24	20.8	8.7	100	12.39	3.16	0.35
84	Dipa	Dug Well	7.19	143	0	45	BDL	48	21.8	1.9	1	0.15	17.6	5.83	80	7.7	2.4	0.15
85	Jamuguri	Dug Well	7.42	566	0	56.8	BDL	136	92.0	31.54	15.7	1.16	48	31.07	240	62.93	18.3	13.62
86	Jonai murkongselek	Dug Well	8.1	213	1	125	16	64	29.8	5.1	1.5	0.28	22.4	9.71	108	15.76	3.74	0.43
87	Silapathar	Dug Well	7.36	230.6	0	53.5	BDL	68	30.0	6.5	1.7	0.31	24	9.71	120	17.3	4.33	0.54
88	Sisibargaon	Dug Well	8.06	127	1	124.2	16	40	18.0	1.4	0.8	0.11	16	4.85	76	6.62	2	0.1
89	Telem	Dug Well	7.62	245	0.2	72	BDL	72	32.0	7.3	1.8	0.33	25.6	10.7	120	18.3	4.9	0.61
Dhubri																		
90	Bagaribari	Dug Well	8.4	411	3	183	32	108	64.9	19.9	5.2	0.67	38.4	22.3	188	37.92	11.12	2.72
91	Bahalpur	Dug Well	8.5	337.3	4.6	200	40	88	46.0	11.8	2.7	0.45	30.4	14.6	152	24.2	7.34	1.09
92	Balajan	Dug Well	8.4	1120	3	179	32	236	160.0	63.82	BDL	BDL	83.2	48.5	308	105.6	55.08	BDL
93	Bilasipara	Dug Well	8.4	124.6	3	178.2	32	40	17.9	1.30	0.6	0.09	14.4	4.85	72	5.99	1.9	0.09
94	Chapar	Dug Well	8.7	99.37	BDL	260	48	32	14.0	1.0	0.3	0.03	12.8	2.9	52	3.85	1.28	0.03
95	Dakhin Tokesara	Dug Well	8.7	411.2	BDL	266.7	56	108	64.9	20.26	5.3	0.68	38.4	22.3	188	38.1	11.31	2.75
96	Dhubri Town	Dug Well	8.9	512.8	BDL	407.4	72	128	82.0	28.57	9.1	0.98	43.2	27.18	212	52.7	15.91	5.6
97	Panbari	Dug Well	8.3	456	1.5	150.7	24	116	71.5	23.6	6.4	0.75	40	24.3	200	43.36	13.01	3.74
98	Rupshi	Dug Well	8.5	239	4.9	207	40	68	30.8	6.9	1.7	0.32	24	10.68	120	17.62	4.6	0.59
99	Shapamari Beat	Dug Well	7.9	201	0.6	99.35	16	60	28.0	4.59	1.5	0.26	22.4	8.7	104	13.9	3.4	0.38
100	Sonamukhi	Dug Well	8.2	114	1	131.4	24	36	16.0	1.10	0.4	0.06	14.4	2.9	64	4.8	1.6	0.06
Dibrugarh																		
101	Azarguri gaon	Dug Well	8.4	433.7	4	187	36	112	68.0	21.83	5.7	0.69	40	22.3	188	38.86	11.7	2.89
102	Barbaruah	Dug Well	8.2	334.7	1	138.6	24	88	44.4	11.6	2.7	0.44	30.4	14.6	148	23.8	7.24	1.04
103	Chabua	Dug Well	8.4	566	4	187	32	136	92.0	31.9	16.1	1.17	48	32.0	240	63.66	18.9	14.6
104	Dikom	Dug Well	8.3	220.6	1.7	158	24	68	30.0	5.8	1.7	0.3	24	9.7	112	16.7	4	0.51
105	Lepetkata	Dug Well	8.3	923	1.6	158	24	208	143.5	54.1	BDL	BDL	72	44.7	292	99.02	32.9	BDL

S.No	Village	Well_Type	pH	EC (µs/cm) 25C	Turbidity (NTU)	TDS	CO3-2	HCO3-1	Cl-	SO4-2	NO3-1	F-	Ca+2 (Ca)	Mg+2 (Mg)	TH (as CaCO3)	Na	K	Fe
Goalpara																		
106	Agia1	Dug Well	7.8	115	0.4	86.49	BDL	36	16.0	1.1	0.5	0.06	14.4	3.88	64	5.1	1.7	0.08
107	Bhalukdubi (Goalpara)	Dug Well	7.8	270	0.4	86.8	BDL	76	34.2	8.51	2.1	0.35	27.2	11.7	128	19.2	5.3	0.7
108	Damra	Dug Well	8.3	243	1.6	152.9	24	72	32.0	7.10	1.8	0.33	25.6	10.68	120	17.86	4.82	0.6
109	Dhupdhara	Dug Well	7.7	534	0.2	74.7	BDL	132	85.4	30.0	11.9	1.08	46.4	29.1	232	57.8	17.6	11.77
110	Dudhnai	Dug Well	9.5	28.9	BDL	915.4	BDL	4	2.0	0.99	0	0	5.6	0.0	20	0.2	0.15	BDL
111	Dwarka	Dug Well	9.5	354	BDL	698.5	120	92	50.0	14.8	3.1	0.5	32	16.5	160	26.63	8.27	1.29
112	Krishnai	Dug Well	7.8	79.9	0.4	87.6	BDL	24	7.9	1.0	0.1	0.01	9.6	1.9	44	2.2	0.88	0.02
113	Rongsai	Dug Well	8.5	185.1	BDL	216	40	60	26.0	3.97	1.3	0.24	20.8	8.74	100	12.1	3.11	0.33
114	Salpara	Dug Well	7.5	367	0.1	63.2	BDL	96	53.6	16.34	3.5	0.55	35.2	18.4	164	30.6	9.15	1.54
115	Teuli	Dug Well	7.8	512	0.4	88	BDL	124	80.0	28.41	9	0.97	43.2	26.2	212	52.6	15.6	5.57
Golaghat																		
116	Bokakhat	Dug Well	8.5	125.9	BDL	224	40	52	17.9	1.30	0.7	0.1	16	4.9	72	6.22	1.93	0.09
117	Bongaon	Dug Well	8.5	52.17	BDL	221.2	40	16	6.0	0.99	0	0	8	0.0	32	0.47	0.4	BDL
118	Garampani	Dug Well	8.4	450	4	187.3	40	116	69.5	23.40	6	0.74	40	23.30	196	42.04	12.4	3.54
119	Haldibari Buri Ai	Dug Well	8	349	0.8	111.1	16	92	50.0	14.0	3	0.5	32	16.0	156	26.3	8.01	1.26
120	Oating	Dug Well	8.3	160.2	2	165	32	52	22.0	2.81	1.1	0.18	19.2	6.80	92	9.05	2.6	0.21
Hailakandi																		
121	Burakhai	Dug Well	8.3	382.1	1.8	160.2	32	99	55.6	16.66	3.6	0.58	35.2	19.42	168	31.8	9.28	1.65
122	Katlicherra N	Dug Well	8.47	270.4	4.9	191	40	76	35.7	8.5	2.1	0.35	27.2	11.7	128	19.2	5.31	0.7
123	Monacherra	Tube Well	8.1	144.8	1	129.7	16	48	21.8	1.93	1	0.15	17.6	5.83	80	7.8	2.4	0.15
124	Panchgram New	Dug Well	8.26	302	1.2	143.3	24	84	41.7	10.23	2.5	0.4	28.8	13.59	140	22.3	6.64	0.92
125	R.k.nagar	Dug Well	7.96	155	0.7	110	16	48	22.0	2.40	1	0.16	17.6	5.83	84	8.4	2.48	0.18
Jorhat																		
126	Chandan Nagar	Dug Well	8.3	459.9	2	164	32	120	72.0	24.34	6.9	0.83	40	24.3	200	45.3	13.6	4.07
127	Cinemora	Dug Well	8.6	600	BDL	255	48	140	94.0	32.01	19.9	1.21	48	33.01	240	64.43	19.1	BDL
128	Dahotia	Dug Well	8.6	382.9	BDL	250.7	48	100	56.0	16.8	3.7	0.59	35.2	19.4	172	32.8	9.49	1.72
129	Kokilamukh	Dug Well	8.7	1350	BDL	316.4	64	328	228.3	104.40	BDL	BDL	124.8	68.0	500	140.4	136.8	
130	Kolakhowa	Dug Well	8.6	300.6	BDL	245	48	80	41.7	9.92	2.4	0.4	28.8	13.59	140	22.3	6.64	0.92
131	Lichubari	Dug Well	8.6	613.5	BDL	250	48	148	99.3	32.80	BDL	1.28	51.2	34.0	252	69.4	22.59	BDL
132	Meleng	Dug Well	8.4	302	4	187.1	36	84	41.7	10.2	2.5	0.4	28.8	13.6	144	22.4	6.73	0.92

S.No	Village	Well_Type	pH	EC (µs/cm) 25C	Turbidity (NTU)	TDS	CO3-2	HCO3-1	Cl-	SO4-2	NO3-1	F-	Ca+2 (Ca)	Mg+2 (Mg)	TH (as CaCO3)	Na	K	Fe
	Kaparadharia																	
133	Nefa Tiniali	Dug Well	8.4	185	4.3	188	40	60	26.0	3.81	1.3	0.24	20.8	8.7	100	12.1	3.1	0.32
134	Rangajan PHE Sc	Dug Well	7.8	392	0.4	88.65	8	103	58.1	17.8	4	0.64	36.8	19.7	176	34.3	9.97	1.92
135	Sodial Kacharigaon	Dug Well	8.6	1233	BDL	243	48	260	188.0	78.86	BDL	BDL	91.2	55.3	360	109	74.4	BDL
136	Titabor	Dug Well	8.6	108	BDL	254	48	36	15.9	1.1	0.4	0.05	12.8	2.9	60	4.63	1.51	0.06
Kamrup																		
137	Abhaipur	Dug Well	8.5	157	4.9	205.5	40	52	22.0	2.6	1.1	0.17	17.6	6.80	84	8.7	2.5	0.18
138	Agyathuri	Dug Well	8.2	211	1	134.2	24	64	29.8	5.06	1.5	0.28	22.4	9.7	108	15.7	3.68	0.43
139	Bamunigaon1	Dug Well	8.4	460	3.3	185	32	120	72.0	24.81	7	0.83	40	24.27	200	45.3	13.6	4.24
140	Boko	Dug Well	8.6	468.9	BDL	236	48	120	74.0	25.1	7	0.84	40	24.3	204	46.17	13.72	4.3
141	Chhaygaon	Dug Well	8.4	358.8	3.9	185.9	32	96	51.6	15.40	3.3	0.53	33.6	17.5	160	28.9	8.7	1.38
142	Darkuchi	Dug Well	8.4	332	3	177	32	84	44.0	10.86	2.6	0.43	30.4	14.6	148	23.4	7.1	1.03
143	Dhobartari	Dug Well	8.5	401	4.9	205	40	104	61.5	19.32	4.5	0.65	38.4	21.4	180	36.5	10.55	2.25
144	Hajo	Dug Well	8.7	333	BDL	264.4	48	84	44.0	11.17	2.6	0.43	30.4	14.6	148	23.7	7.14	1.04
145	Kachkatchi	Dug Well	7.16	315.7	0	43.8	BDL	84	42.0	10.50	2.6	0.41	30.4	14.6	144	23.13	6.89	1
146	Kahara	Dug Well	8.4	617	3.2	183.8	32	148	100.0	33.11	BDL	1.28	52.8	33.98	252	69.55	22.6	BDL
147	Mirza	Dug Well	8.3	457.4	1.6	155	24	120	71.5	24.02	6.9	0.81	40	24.27	200	44.8	13.3	3.96
148	Sualkuchi	Dug Well	8.8	456.9	BDL	334.3	64	116	71.5	23.71	6.7	0.77	40	24.3	200	44.5	13.1	3.87
Kamrup Metro																		
149	Amingaon	Dug Well	8.4	742	3	178	32	164	116.2	42.8	BDL	1.7	60.8	37.86	264	83.39	29.6	BDL
150	Bamfor	Dug Well	8	92	1	114.5	16	28	11.9	0.99	0.2	0.02	11.2	1.94	48	2.88	1.08	0.02
151	Dirgheswari	Dug Well	8.5	184	BDL	209	40	56	25.8	3.48	1.3	0.23	20.8	7.8	100	11.7	3.04	0.28
152	Khetri	Dug Well	8.7	142.9	BDL	303	56	48	21.8	1.9	1	0.15	17.6	5.83	80	7.7	2.36	0.14
153	Khetri II	Dug Well	7.8	97.7	0.4	88.4	BDL	32	13.7	1.00	0.2	0.03	12.8	2.9	52	3.7	1.28	0.03
154	Samanta Pathar	Dug Well	7.2	141.8	0	46.9	BDL	48	20.5	1.77	1	0.14	16	5.83	80	7.62	2.28	0.13
155	Sonapur	Dug Well	6.57	161.5	0	19.42	BDL	52	23.8	2.87	1.1	0.19	19.2	6.80	92	9.07	2.66	0.21
156	Sonapur II	Dug Well	6.9	213	0	35.4	BDL	64	29.8	5.22	1.5	0.28	24	9.7	112	15.9	3.77	0.43
157	Taptoli New	Dug Well	7.3	104.5	0	51.06	BDL	32	15.9	1.1	0.3	0.05	12.8	2.91	60	4.25	1.45	0.05
158	Topatoli	Dug Well	7.82	216.8	0.5	92.3	8	64	30.0	5.4	1.6	0.29	24	9.7	112	16.02	3.9	0.45
159	Umsiang Ow	Tube Well	7.2	122	0	48.2	BDL	40	17.9	1.1	0.6	0.09	14.4	3.88	72	29.53	1.82	0.09

S.No	Village	Well_Type	pH	EC (µs/cm) 25C	Turbidity (NTU)	TDS	CO3-2	HCO3-1	Cl-	SO4-2	NO3-1	F-	Ca+2 (Ca)	Mg+2 (Mg)	TH (as CaCO3)	Na	K	Fe
Karbi Anglong																		
160	Balipathar	Dug Well	8.3	181	2	165.8	32	56	25.8	3.2	1.2	0.22	20.8	7.8	100	11.1	2.9	0.24
161	Boithalangsu	Dug Well	7.04	165.5	0	41.44	BDL	52	23.8	3.03	1.2	0.2	19.2	7.8	92	9.58	2.8	0.22
162	Bokajan I	Dug Well	8.04	184.4	1	120.5	16	56	25.8	3.7	1.3	0.23	20.8	7.8	100	11.8	3.1	0.3
163	Bokajan II	Dug Well	8.4	61.45	4.2	188	40	20	6.0	1.0	0	0	8	0.7	36	1.22	0.61	BDL
164	Bokulia	Dug Well	7.49	380	0.1	57.4	BDL	96	54.0	16.50	3.5	0.56	35.2	19.42	164	31.36	9.18	1.6
165	Dengaon R5	Dug Well	8.6	359.1	BDL	238.3	48	96	51.6	15.4	3.3	0.53	33.6	17.48	160	29.17	8.7	1.4
166	Dentaghat	Dug Well	7.3	455	0	52.38	BDL	116	70.0	23.55	6.3	0.75	40	23.5	196	43.05	12.7	3.66
167	Deopani	Dug Well	8.5	405.2	BDL	220.8	40	104	63.5	19.64	4.8	0.66	38.4	21.36	184	36.7	10.8	2.27
168	Dillai	Dug Well	8.6	776.3	BDL	245	48	168	130.0	44.7	BDL	2.93	64	38.83	272	88.8	30.14	BDL
169	Diphu	Dug Well	8.5	708	BDL	222	40	160	108.0	38.75	BDL	1.4	56	35.0	260	78.6	25.8	BDL
170	Dishobai	Dug Well	8.9	780	BDL	470	80	172	132.0	45.18	BDL	BDL	64	39.8	280	89	30.5	BDL
171	Donkamokam	Dug Well	6.9	137	0	35.6	BDL	44	20.0	1.62	0.9	0.13	16	4.9	80	7.28	2.2	0.12
172	Ghouria Dhubi	Dug Well	8.5	435	BDL	225	40	116	68.0	22.14	5.7	0.7	40	22.6	188	39.8	11.75	2.9
173	Habranrangapar	Dug Well	7.6	328	0.2	70.32	BDL	84	42.0	10.70	2.6	0.42	30.4	14.56	144	23.2	6.9	1.01
174	Hawaipur	Dug Well	7.66	142.5	0.2	73.8	BDL	48	21.8	1.8	1	0.14	16	5.83	80	7.7	2.3	0.14
175	Kalonga	Dug Well	7.19	229	0	45.9	BDL	68	30.0	6.3	1.7	0.31	24	9.7	116	17.17	4.2	0.53
176	Khatkhati	Dug Well	8.5	731.5	BDL	221.9	40	164	115.1	41.42	BDL	1.48	57.6	36.89	264	82.1	27.4	BDL
177	Kheronighat	Dug Well	7.05	258.3	0	41.5	BDL	72	33.7	7.57	1.9	0.34	25.6	10.7	124	18.5	4.97	0.62
178	Langhing	Dug Well	7.5	123.2	0.1	64	BDL	40	17.9	1.2	0.6	0.09	14.4	4.4	72	5.9	1.82	0.09
179	Manikpur	Dug Well	8.5	344	4.6	203	40	88	48.0	12.65	2.9	0.47	32	15.53	152	25	7.6	1.15
180	Manja Bus Stand	Dug Well	9.2	470	BDL	648.4	104	120	74.0	25.28	7.7	0.85	41.6	24.3	204	46.5	13.83	4.35
181	Manja Forest	Dug Well	7.5	760	0.1	65.4	BDL	168	124.0	44.55	BDL	2.27	62.4	38.6	268	84.6	30	BDL
182	Mohendijua	Dug Well	8.5	332	BDL	221.2	40	84	44.0	11.0	2.6	0.43	30.4	14.56	148	23.4	7.1	1.03
183	Phonglangso	Dug Well	8.8	353	BDL	383.8	72	92	50.0	14.6	3.1	0.5	32	16.5	156	26.54	8.26	1.28
184	Phuloni	Dug Well	7.66	260.6	0.2	73	BDL	72	34.0	7.7	1.9	0.34	25.6	10.68	124	18.6	5.11	0.62
185	Saphapani	Dug Well	8.3	96.3	2	163.9	32	32	13.7	1.0	0.2	0.03	12.8	2.4	52	3.55	1.22	0.03
186	Silanijan	Dug Well	7.9	243	0.7	105.7	16	72	31.8	7.1	1.7	0.33	25.6	10.68	120	17.8	4.65	0.59
187	Swarghati	Dug Well	7.6	203	0.2	70.38	BDL	60	28.0	4.6	1.5	0.26	25.6	8.74	104	14.2	3.5	0.39
188	Terangaon	Dug Well	8.7	57	BDL	313	64	16	6.0	0.99	0	0	8	0.5	32	1.13	0.59	BDL

S.No	Village	Well_Type	pH	EC (µs/cm) 25C	Turbidity (NTU)	TDS	CO3-2	HCO3-1	Cl-	SO4-2	NO3-1	F-	Ca+2 (Ca)	Mg+2 (Mg)	TH (as CaCO3)	Na	K	Fe
Karimganj																		
189	Badarpur	Dug Well	8.12	133.8	1	130	16	44	19.9	1.6	0.9	0.12	16	4.85	76	7.17	2.18	0.12
190	Dhaulia	Dug Well	8.26	281.5	1.3	143.8	24	76	35.7	8.60	2.1	0.36	27.2	12.6	128	19.7	5.4	0.71
191	Hatikira	Dug Well	8.3	388	1.8	162.1	32	100	58.0	16.97	3.8	0.62	35.2	19.42	172	33.78	9.9	1.81
192	Karmganj	Dug Well	8.38	518	2.3	172.3	32	128	84.0	29.19	10.5	0.99	43.2	27.2	212	52.8	16.2	5.82
193	Kayasthagram	Dug Well	8.25	535	1.2	140.5	24	132	88.0	30.8	12.8	1.08	46.4	29.9	236	59.5	17.8	12.69
194	Patharkandi	Dug Well	8.38	356.3	2.3	170	32	92	50.0	14.95	3.1	0.51	32	16.5	160	27.4	8.5	1.32
195	Sarkaribari	Dug Well	8.17	394.4	1	130	16	104	59.6	17.79	4.1	0.64	36.8	20.39	176	34.56	10	1.94
Lakhimpur																		
196	Amguri	Dug Well	7.6	159.7	0.2	70.1	BDL	52	22.0	2.57	1.1	0.18	19.2	6.80	88	8.9	2.54	0.19
197	Amsoi	Dug Well	8.2	238.7	1	136	24	96	51.6	15.40	3.3	0.51	32	17.48	160	27.8	8.59	1.34
198	Bhogpur charali	Dug Well	7.5	127	0.1	60	BDL	40	18.0	1.3	0.8	0.11	16	4.85	76	6.5	5.9	0.1
199	Bihpuria	Dug Well	7.71	555	0.3	77.13	BDL	132	90.0	30.92	13.6	1.09	46.4	30.10	240	60	18	12.79
200	Boginadi(balijan)	Dug Well	8.3	203	1.3	148	24	60	28.0	4.6	1.5	0.26	22.4	8.74	104	14.06	3.44	0.38
201	Dejoo	Dug Well	7.9	367	0.6	98.4	16	96	53.6	16.34	3.5	0.56	35.2	18.9	164	30.9	9.15	1.57
202	Dholpur	Dug Well	7.6	233.2	0.2	68.7	BDL	68	30.8	6.63	1.7	0.32	24	9.7	120	17.6	4.4	0.58
203	Dolanghat chara	Dug Well	7.5	139.5	0.1	60	BDL	44	20.0	1.62	0.9	0.13	16	4.9	80	7.47	2.2	0.12
204	Harmoti	Dug Well	8.6	520.2	BDL	235	48	128	84.0	29.19	10.6	0.99	44.8	28.16	216	53.2	16.5	6.09
205	Kadam	Dug Well	7.81	196	0.5	92	8	60	28.0	4.56	1.4	0.26	22.4	8.74	104	13.5	3.4	0.38
206	Laluk	Dug Well	7.2	177.7	0	46.67	BDL	56	24.0	3.03	1.2	0.21	19.2	7.8	96	10.38	2.86	0.23
207	Milanpur	Dug Well	7.73	130.5	0.3	80	BDL	40	19.8	1.46	0.8	0.11	16	4.9	76	6.81	2.03	0.11
208	Narayanpur	Dug Well	7.68	153.7	0.2	74.07	BDL	48	21.8	2.24	1	0.16	17.6	5.83	80	8.22	2.47	0.17
209	Panigaon	Dug Well	8	140	0.8	112.3	16	44	20.0	1.62	0.9	0.13	16	4.85	80	7.5	2.2	0.13
210	Pathalipam	Dug Well	7.3	240.4	0	50.67	BDL	72	31.8	6.9	1.7	0.32	25	10.68	120	17.67	4.62	0.59
211	Pathalipam II	Dug Well	7.31	298	0	53.4	BDL	80	40.0	9.6	2.4	0.39	28.8	12.9	140	21.69	6.18	0.89
Morigaon																		
212	Baghara	Dug Well	9.1	297	BDL	627	104	80	38.0	9.61	2.3	0.38	28.8	12.6	140	21.6	6.15	0.87
213	Baropujia	Dug Well	7.59	398.4	0.1	67.1	BDL	104	60.0	18.85	4.3	0.65	36.8	20.4	180	35.7	10.41	2.09
214	Barukati Ow	Tube Well	7.82	95.06	0.5	93.08	8	28	11.9	1.02	0.2	0.03	11.2	1.94	52	3.08	1.13	0.03
215	Basanaghat Ow	Tube Well	7.3	184.2	0	51.37	BDL	56	25.8	3.65	1.3	0.23	20.8	7.8	100	11.78	3.08	0.29
216	Charibahi Ow	Tube Well	7.88	249.8	0.6	95.5	16	72	32.0	7.4	1.8	0.33	25.6	10.7	124	18.4	4.94	0.61
217	Daponibari Ow	Tube Well	7.8	470.9	0.4	88.71	8	120	75.2	25.7	7.8	0.86	41.6	24.3	204	48.2	14.1	4.39

S.No	Village	Well_Type	pH	EC (µs/cm) 25C	Turbidity (NTU)	TDS	CO3-2	HCO3-1	Cl-	SO4-2	NO3-1	F-	Ca+2 (Ca)	Mg+2 (Mg)	TH (as CaCO3)	Na	K	Fe
218	Deosal	Dug Well	7.9	115	0.6	104	16	36	17.1	1.13	0.5	0.06	14.4	3.88	64	5.1	1.72	0.08
219	Garmari gaon	Dug Well	8.5	405	BDL	216	40	104	62.0	19.5	4.7	0.65	38.4	21.36	184	36.6	10.73	2.26
220	Jagibhagatgaon Ow	Tube Well	7.87	262.5	0.5	95.3	16	72	34.0	7.87	2	0.34	27.2	11.65	124	18.89	5.14	0.65
221	Jagiroad	Dug Well	7.38	116	0	55.82	BDL	40	17.1	1.15	0.6	0.08	14.4	3.9	72	5.53	1.78	0.08
222	Kumoi	Dug Well	7.56	148.8	0.1	65.8	BDL	48	21.8	2.24	1	0.16	17.6	5.8	80	8.18	2.47	0.17
223	Morigaon	Dug Well	6.85	121.6	0	30.45	BDL	40	17.1	1.1	0.6	0.08	14.4	3.9	72	5.57	1.8	0.08
224	Nasatra	Dug Well	7.8	459.8	0.5	89.09	8	120	71.8	24.02	6.9	0.82	40	24.3	200	44.9	13.43	4.04
225	Nelle	Dug Well	8.8	445	BDL	353	72	116	68.3	23.40	5.9	0.74	40	23.3	196	40.7	12.2	3.38
226	Nelle New	Dug Well	6.9	101.7	0	33.97	BDL	32	15.9	1.0	0.3	0.03	12.8	2.9	52	3.9	1.34	0.03
227	Pabbarbhagia	Dug Well	7.8	216	0.4	88.5	8	64	30.0	5.4	1.5	0.28	24	9.7	112	16.01	3.8	0.45
228	Pamibahua	Dug Well	8.7	341	BDL	296	56	88	46.0	11.80	2.8	0.46	30.4	15.3	152	24.4	7.39	1.12
229	Shugumbari	Dug Well	7.9	154.4	0.6	102.3	16	48	22.0	2.40	1	0.16	17.6	5.83	80	8.27	2.47	0.18
230	Silsang Namghar	Dug Well	7.5	181.3	0.1	65.07	BDL	56	25.8	3.18	1.2	0.22	20.8	7.8	100	11.1	2.92	0.24
231	Solmari Ow	Tube Well	7.38	380.2	0	55.9	BDL	96	54.0	16.60	3.6	0.56	35.2	19.42	164	31.38	9.2	1.62
Nagaon																		
232	Bagori	Dug Well	8.9	747	BDL	511	88	168	119.1	43.77	BDL	1.88	60.8	37.9	268	83.7	29.77	BDL
233	Bamuni tinali	Dug Well	7.8	186	0.4	88.3	BDL	60	27.3	3.97	1.3	0.24	20.8	8.7	100	12.4	3.19	0.35
234	Beldonga mandir	Dug Well	8.9	1200	BDL	420	80	252	181.9	77.14	BDL	BDL	91.2	53.4	340	108.9	73	BDL
235	Bichamari	Dug Well	7.8	349	0.5	89.6	8	92	50.0	13.9	3	0.5	32	15.5	156	26.17	7.95	1.24
236	Borchukhaba	Dug Well	7.1	140	0	42.8	BDL	44	20.0	1.62	0.9	0.13	16	5.3	80	7.5	2.23	0.13
237	Bordowa	Dug Well	8.8	364	BDL	356	72	96	52.0	15.7	3.5	0.55	33.6	18.4	160	29.6	9.06	1.5
238	Dakhinpath OW	Tube Well	7.91	624	0.7	106	16	152	102.5	34.68	BDL	1.3	52.8	33.98	256	73	24.1	BDL
239	Dalapani	Dug Well	9	1060	BDL	556	88	236	154.8	60.06	BDL	BDL	83.2	47.6	304	105.3	54.4	BDL
240	Dhing	Dug Well	7.9	182.3	0.6	104	16	56	25.8	3.34	1.3	0.23	20.8	7.8	100	11.6	3.03	0.28
241	Doboka	Dug Well	7.7	526	0.2	75.14	BDL	128	85.4	29.51	11.5	1	44.8	28.2	220	53.78	17.08	7.3
242	Ghasibasti Ow	Tube Well	7.9	148.7	0.6	99.7	16	48	21.8	2.09	1	0.16	17.6	5.8	80	8.15	2.45	0.17
243	Gomotha	Dug Well	8.9	949	BDL	412	80	208	144.0	54.42	BDL	BDL	72	44.7	300	99.4	34.7	BDL
244	Haldiati sub bt	Dug Well	7.3	86.9	0	51.8	BDL	28	9.9	1.0	0.1	0.01	9.6	1.94	48	2.67	0.94	0.02
245	Hatibatha	Dug Well	7.8	89.2	0.4	88.2	BDL	28	9.9	1.0	0.2	0.02	10	1.94	48	2.8	1.02	0.02
246	Jurapukhuri	Dug Well	8.8	645	BDL	360	72	152	105.9	37.34	BDL	1.33	54.4	35.0	260	76.6	25.3	BDL
247	Kathiatoli	Dug Well	7.59	103	0.2	68	BDL	32	15.9	1.0	0.3	0.04	12.8	2.9	56	4.15	1.39	0.03

S.No	Village	Well_Type	pH	EC (µs/cm) 25C	Turbidity (NTU)	TDS	CO3-2	HCO3-1	Cl-	SO4-2	NO3-1	F-	Ca+2 (Ca)	Mg+2 (Mg)	TH (as CaCO3)	Na	K	Fe
248	Kazirang Tourist Vil	Dug Well	8.3	433.4	2	164	32	112	66.0	21.4	5.5	0.68	40	22.3	188	38.8	11.7	2.87
249	Kondali	Dug Well	7.2	162.3	0	47.22	BDL	52	23.8	2.87	1.1	0.2	19.2	6.80	92	9.17	2.7	0.22
250	Langteng TE	Dug Well	7.6	107	0.2	70.9	BDL	36	15.9	1.07	0.4	0.05	12.8	2.91	60	4.5	1.49	0.05
251	Lanka	Dug Well	7.64	115	0.2	72.6	BDL	36	16.0	1.1	0.5	0.06	14.4	3.9	64	5.07	1.7	0.07
252	Lumding	Dug Well	7.75	191	0.3	81.1	BDL	60	27.8	4.44	1.4	0.26	22.4	8.7	104	13.26	3.3	0.37
253	Nadeorigaon	Dug Well	7.98	114.6	0.7	111	16	36	16.0	1.11	0.5	0.06	14.4	2.9	64	4.85	1.65	0.06
254	Natali	Dug Well	8.02	160	1	117	16	52	22.0	2.71	1.1	0.18	19.2	6.8	88	8.9	2.58	0.19
255	Pahukata	Dug Well	7.8	234	0.5	89.9	8	68	30.8	6.9	1.7	0.32	24	9.7	120	17.6	4.47	0.58
256	Phulaguri	Dug Well	8.9	1020	BDL	480.4	80	228	154.8	59.75	BDL	BDL	80	47.57	304	104	49.6	BDL
257	Samuguri	Dug Well	7.71	128	0.3	77.3	BDL	40	18.0	1.46	0.8	0.11	16	4.9	76	6.77	2.02	0.1
258	Silghat	Dug Well	7.87	245	0.5	95	8	72	32.0	7.26	1.8	0.33	25.6	10.7	124	18.3	4.92	0.61
259	Sulung p.o.	Dug Well	7.72	103.7	0.3	77.7	BDL	32	15.9	1.04	0.3	0.04	12.8	2.9	56	4.19	1.41	0.03
260	Tirchang	Dug Well	9	1200	BDL	562	88	240	180.6	73.07	BDL	BDL	89.6	53.4	320	107	67.6	BDL
261	Zebra Khua	Dug Well	7.5	273.5	0.1	64.6	BDL	76	35.7	8.56	2.1	0.35	27.2	11.7	128	19.7	5.33	0.71
Nalbari																		
262	Balilecha	Tube Well	7.5	95.02	0.1	64.64	BDL	28	11.9	1.0	0.2	0.02	11.2	1.94	48	2.91	1.09	0.02
263	Tamulpur	Dug Well	8.4	337	3	175.5	32	88	46.0	11.80	2.7	0.44	30.4	14.6	148	24.06	7.3	1.09
264	Tihu	Dug Well	8.5	388	BDL	211	40	100	58.0	17.1	3.8	0.63	35.2	19.4	172	34.1	9.92	1.84
Sibsagar																		
265	Demow Sukan	Dug Well	8.5	125.8	BDL	223	40	40	17.9	1.3	0.7	0.1	14.4	4.9	72	6.1	1.93	0.09
266	Moranhat	Dug Well	8.2	960	1.1	140	24	208	150.9	54.89	BDL	BDL	73.6	45.6	300	102	34.7	BDL
267	Sapekhati	Dug Well	8.6	342	BDL	256.1	48	88	47.6	12.6	2.8	0.46	31	15.5	152	24.67	7.49	1.13
268	Sibsagar	Dug Well	8.6	721.8	BDL	252.5	48	160	109.2	40.3	BDL	1.45	56	35.92	260	79.06	26.2	BDL
Sonitpur																		
269	18th Mile	Dug Well	7.5	230.7	0.1	61.57	BDL	68	30.0	6.47	1.7	0.31	24	9.7	120	17.45	4.4	0.55
270	Balipara	Dug Well	8.1	207.6	1	129.5	16	64	29.8	4.91	1.5	0.27	22.4	9.71	108	15.7	3.66	0.43
271	Barchola	Dug Well	8.09	388	1	124.8	16	100	58.0	17.0	3.7	0.62	35.2	19.4	172	33.54	9.73	1.8
272	Biswanath	Dug Well	8.7	559	BDL	284	56	132	90.0	31.07	14.2	1.1	46.4	31.1	240	62.14	18.07	12.9
273	Biswanath chara	Dug Well	7.7	130.5	0.2	74.4	BDL	44	19.8	1.46	0.8	0.11	16	10.68	76	6.86	2.03	0.11
274	Buroighat	Dug Well	8.5	223	BDL	214.6	40	68	30.0	5.85	1.7	0.3	24	9.7	112	16.8	4	0.53
275	Charduar	Dug Well	8.4	145.5	3.2	185	32	48	21.8	1.96	1	0.15	17.6	5.83	80	8.06	2.4	0.16

S.No	Village	Well_Type	pH	EC (µs/cm) 25C	Turbidity (NTU)	TDS	CO3-2	HCO3-1	Cl-	SO4-2	NO3-1	F-	Ca+2 (Ca)	Mg+2 (Mg)	TH (as CaCO3)	Na	K	Fe
276	Dhalaibil	Dug Well	7.9	298	0.6	99	16	80	40.0	9.6	2.4	0.4	28.8	13.59	140	21.8	6.38	0.9
277	Dhekiajuli	Dug Well	7.5	107.9	0.1	57.5	BDL	36	15.9	1.1	0.4	0.05	12.8	2.9	60	4.55	1.5	0.05
278	Garumari	Dug Well	8.5	267.8	BDL	211	40	76	34.2	8.51	2	0.35	27.2	11.65	128	19.07	5.3	0.69
279	Gohpur	Dug Well	8.7	444	BDL	276	56	116	68.0	23.08	5.9	0.74	40	23.3	192	40.3	12.2	3.35
280	Helem	Dug Well	8.3	204	1.6	152.1	24	60	29.8	4.75	1.5	0.27	22.4	8.74	108	14.77	3.55	0.4
281	Japoriguri	Dug Well	7.5	241	0.1	62	BDL	72	31.8	6.94	1.7	0.32	25.6	10.7	120	17.7	4.64	0.59
282	Ketela TE	Dug Well	8.2	69.8	1	135	24	24	7.9	0.99	0.1	0.01	9.6	1.0	40	2.06	0.7	0.01
283	Sootia	Dug Well	8	187	0.9	112.5	16	60	27.3	4.12	1.3	0.25	20.8	8.7	100	12.4	3.2	0.35
284	Tezpur	Dug Well	8.8	170	BDL	336.7	64	56	24.0	3.03	1.2	0.21	19.2	7.77	96	10	2.84	0.23
285	Thelamara	Dug Well	8.2	217	1	136	24	64	30.0	5.53	1.6	0.29	24	9.71	112	16.12	3.94	0.46
286	Tupia	Dug Well	8.1	407.5	1	126	16	104	63.5	19.79	4.8	0.66	38.4	21.4	184	36.7	10.98	2.3
Tinsukia																		
287	Borgolai	Dug Well	6.25	114.6	0	15.1	BDL	36	16.0	1.1	0.5	0.06	14.4	3.9	64	4.89	1.65	0.06
288	Digboi	Dug Well	8.2	133.1	1.1	139	24	44	19.9	1.46	0.8	0.12	16	4.85	28	7.12	2.13	0.11
289	Jagun	Dug Well	8.02	347	1	117.5	16	92	48.0	13.67	3	0.49	32	15.53	152	25.92	7.9	1.2
290	Jaipur naharjan	Dug Well	8.3	67	1.7	158	24	20	6.0	1.0	0.1	0	9.6	1.0	36	1.75	0.68	BDL
291	Kumsang Selenguri	Dug Well	8.3	95.99	1.7	159	24	28	13.7	1.0	0.2	0.03	11.2	1.94	52	3.25	1.19	0.03
292	Lekhapani	Dug Well	8.04	624	1	118	16	152	103.2	37.03	BDL	1.32	52.8	33.98	256	73.07	24.8	BDL
293	Panitola	Dug Well	8.4	488.6	4	186.9	32	124	75.4	26.5	8.3	0.88	41.6	25.24	208	51	14.6	4.9
294	Tinsukia	Dug Well	8.02	181.6	1	117.9	16	56	25.8	3.18	1.3	0.23	20.8	7.77	100	11.2	2.98	0.27
295	Tipong	Dug Well	7.7	131	0.2	76.4	BDL	44	19.9	1.46	0.8	0.12	16	4.85	76	6.9	2.07	0.11
296	Tirap gate	Dug Well	7.03	127	0	39.4	BDL	40	18.0	1.30	0.7	0.1	16	4.85	72	6.36	1.95	0.1
MEGHALAYA																		
East Garo Hills																		
297	Dainadubi	Dug Well	7.8	193.7	BDL	35.3	BDL	44	30.8	1.11	3.3	0.26	16	4.9	72	10.5	4.7	0.75
298	Darugiri	Dug Well	8.5	285.5	BDL	69.7	8	52	47.8	1.87	BDL	BDL	27.2	13.6	84	21.2	9.05	3.46
299	Kharkutta	Dug Well	7.5	152.2	4.6	39.5	BDL	32	23.9	0.99	2.7	0.19	11.2	2.9	48	7.1	2.4	0.05
300	Rongjeng	Dug Well	7.7	182.9	BDL	72.2	BDL	40	27.3	1.02	3	0.25	16	3.9	72	9.1	4.09	0.39
301	Samanda Megapagre	Dug Well	7.5	154.4	BDL	44.1	BDL	36	23.9	0.99	3	0.24	11.2	2.9	48	7.6	3.5	0.06
302	Williamnagar	Dug Well	8.1	242.1	BDL	141.8	BDL	52	37.6	1.43	13.1	BDL	24	5.8	80	14.5	8.3	1.59

S.No	Village	Well_Type	pH	EC (µs/cm) 25C	Turbidity (NTU)	TDS	CO3-2	HCO3-1	Cl-	SO4-2	NO3-1	F-	Ca+2 (Ca)	Mg+2 (Mg)	TH (as CaCO3)	Na	K	Fe
East Khasi Hills																		
303	Balat	Dug Well	8.5	311.8	BDL	86.2	16	64	61.5	10.72	BDL	BDL	28.8	15.5	96	30.3	10.6	BDL
304	Cherrapunji	Dug Well	6.6	77	0.1	74.9	BDL	8	6.8	0.99	0.1	0.01	8	1.0	20	0.23	0.1	0.01
305	Shillong Polo	Dug Well	8.1	256.2	BDL	53	BDL	52	44.4	1.60	BDL	BDL	24	6.8	84	20.8	8.7	1.86
Jaintia hills																		
306	Dauki	Dug Well	7.9	206.7	BDL	154	BDL	48	34.2	1.15	4.6	0.38	16	4.9	72	10.6	5.6	1.1
307	Jowai	Dug Well	7.3	116.6	BDL	64.1	BDL	28	20.5	0.99	1.5	0.09	8	1.9	40	5.3	1.7	0.03
Ri-Bhoi																		
308	Byrnihat	Dug Well	8.48	328.6	BDL	178	16	72	68.3	12.51	BDL	BDL	30.4	17.5	140	30.7	14.5	BDL
309	Nongpoh	Dug Well	7.1	87.2	BDL	107	BDL	28	17.1	0.99	0.8	0.07	8	1.0	32	4.3	1.4	0.02
West Garo Hills																		
310	Asanang	Dug Well	7.5	158.5	BDL	42.7	BDL	36	27.3	0.99	3	0.24	12.8	2.9	48	8.03	3.6	0.16
311	Belguri	Dug Well	7.4	130.2	BDL	87.8	BDL	32	23.9	0.99	1.7	0.13	8	1.9	40	5.9	2.2	0.03
312	Garobandha	Dug Well	7.9	236.3	BDL	141.2	BDL	48	34.2	1.21	5.4	0.42	17.6	4.9	80	12.1	7.1	1.24
313	Nongopara	Dug Well	7.2	105.7	BDL	70	BDL	28	20.5	0.99	1.3	0.08	8	1.9	36	5.09	1.6	0.03
314	Phulbari	Dug Well	8.5	392.6	BDL	94	40	88	85.4	27.10	BDL	BDL	35.2	26.2	156	38.2	33.8	BDL
315	Phutamati	Dug Well	7.6	159.5	3.1	38	BDL	40	27.3	0.99	3	0.25	12.8	2.9	56	9.04	4.06	0.2
316	Rongram	Dug Well	7.1	84	BDL	58.8	BDL	24	17.1	0.99	0.7	0.05	8	1.0	28	3.8	1.3	0.02
317	Mairang	Dug Well	7.2	97.1	BDL	134.7	BDL	28	20.5	0.99	1.3	0.07	8	1.9	32	4.7	1.5	0.02
NAGALAND																		
Dimapur																		
318	3 Mile Bazar	Dug Well	8.7	362	2	173	24	60	88.0	5.53	5.9	0.43	24	9.7	84	44.3	7.14	1.84
319	7th Mile Colony	Dug Well	8.8	703	3	350	32	64	120.0	10.08	9.8	0.49	32	12.6	128	46.9	22	1.84
320	Bade Bazar	Dug Well	8.5	314	1	156.2	8	44	60.0	3.03	2.7	0.31	16	6.8	72	28.8	2.27	1.81
321	Chumkidima	Dug Well	6.1	79.1	0	37.8	0	0	0.0	0.99	0.3	0.02	0	0.0	0	6.8	0.33	1.65
322	Dgm Colony	Tube Well	7.8	155	0.4	89.06	0	52	22.0	2.40	1	0.17	17.6	5.8	84	8.66	2.5	1.69
323	Dhansiripar	Dug Well	8.2	228	1	112	0	8	9.9	1.30	1	0.05	6.4	2.9	36	16.7	1.02	1.72
324	Dimapur	Dug Well	8.3	229	1	112.7	8	24	40.0	1.46	1.6	0.05	8	2.9	48	17.1	1.1	1.73
325	Diphupar	Dug Well	8.9	860	3	409	32	96	120.0	16.34	10.8	0.97	32	12.6	132	72.7	22.1	1.62
326	Doyabur DMC	Dug Well	8.5	303	1	150	8	40	60.0	2.09	2.1	0.28	16	5.8	56	27.1	2	1.8
327	Marwari Colony	Dug Well	8.4	276	1	137	8	36	50.0	1.93	1.9	0.23	11.2	3.9	52	20.2	1.59	1.74

S.No	Village	Well_Type	pH	EC (µs/cm) 25C	Turbidity (NTU)	TDS	CO3-2	HCO3-1	Cl-	SO4-2	NO3-1	F-	Ca+2 (Ca)	Mg+2 (Mg)	TH (as CaCO3)	Na	K	Fe
328	Singrijan	Dug Well	8.4	289	1	141	8	40	58.0	1.93	2	0.23	16	4.9	52	25.9	1.8	1.79
329	Thilaxu Block-II	Dug Well	8.6	320	1	157.2	8	50	68.0	3.34	3.4	0.38	20.8	7.8	80	29.4	3.3	1.82
330	Zakesatho Colony	Dug Well	9	1040	12	534.5	32	100	171.9	28.57	12.2	BDL	35.2	26.2	188	77.7	22.1	0.9
331	Zion Hospital	Dug Well	8.6	336	1	166	20	52	74.0	4.28	3.5	0.4	22.4	7.8	84	40.5	3.6	1.84
TRIPURA																		
Dhalai																		
332	Abhanga	Dug Well	6.8	74.2	0.1	32.5	BDL	8	6.8	0.99	0.1	0.1	4.8	1.9	32	2.1	0.44	0.01
333	Ambassa	Dug Well	8.2	212	0.1	99.4	BDL	60	19.9	0.99	1.5	0.25	16	8.7	72	13.63	2.7	0.08
334	Kamalpur	Dug Well	7.3	98.9	0.1	45.9	BDL	16	7.9	6.00	0.4	0.11	8	2.9	40	6.1	0.88	0.02
335	Manu	Dug Well	7.5	99.3	0.1	45.9	BDL	20	7.9	1.15	0.4	0.13	8	2.9	44	6.14	0.9	0.02
North Tripura																		
336	Baghbassa	Dug Well	7.7	99.4	0.2	46.1	BDL	24	11.9	1.15	0.7	0.14	9.6	3.9	48	6.16	1.68	0.02
337	Dharmanagar	Dug Well	7.75	107	0.2	49.4	BDL	24	13.7	1.30	0.7	0.14	9.6	4.9	48	6.24	1.88	0.03
338	Gauranagar	Dug Well	7.8	108	0.4	51.1	BDL	28	13.9	1.46	0.9	0.16	9.6	5.8	48	6.3	1.92	0.03
339	Kanchanchhera	Dug Well	7.87	143	0.5	65.7	BDL	40	13.9	1.93	1.1	0.18	11.2	5.8	52	8.7	2.1	0.04
340	Kumarghat	Dug Well	7.7	99.3	0.2	46	BDL	20	11.9	1.15	0.7	0.13	9.6	3.9	44	6.15	1.65	0.02
341	Panisagar	Dug Well	7.8	111	0.4	51.8	BDL	28	13.9	1.62	1	0.17	11.2	5.8	48	6.3	1.93	0.04
342	Pecharthal	Dug Well	7.8	137	0.4	63.3	BDL	40	13.9	1.93	1	0.18	11.2	5.8	52	8.11	2.03	0.04
343	Rajnagar	Dug Well	8.19	154	1.1	72.4	16	52	15.9	2.09	1.3	0.23	12.8	6.8	64	11.6	2.48	0.07
South Tripura																		
344	Amarpur	Dug Well	8.2	212	1.6	99.4	16	60	19.9	2.56	1.5	0.25	16	8.7	72	13.63	2.7	0.08
345	Bampur	Dug Well	8.2	221	1.7	101	16	60	21.8	2.71	1.5	0.25	16	8.7	72	14.06	2.79	0.08
346	Gardhang	Dug Well	8.3	269	2.9	124	24	72	23.9	3.81	1.7	0.29	19.2	9.7	96	15.51	2.96	0.11
347	Garjee Bazar	Dug Well	8.1	149	1	70.6	16	48	15.9	2.09	1.3	0.23	12.8	6.8	60	11.2	2.45	0.06
348	Hrishyamukh	Dug Well	8.2	156.5	1.2	75.8	16	52	15.9	2.24	1.4	0.23	12.8	6.8	64	11.76	2.53	0.07
349	Jhajhari	Dug Well	8.3	239.1	1.9	119.4	16	64	23.8	2.71	1.6	0.26	17.6	8.7	84	14.46	2.83	0.09
350	Kalachhara	Dug Well	8.3	250	2.4	123.9	24	68	23.8	3.03	1.7	0.28	19.2	9.7	92	14.7	2.95	0.11
351	Kankraban	Dug Well	8.3	271	2.98	124	24	72	25.8	3.81	1.7	0.29	20.8	10.7	100	15.6	2.98	0.12
352	Manu Bazar	Dug Well	8.3	239.5	2.2	119.6	24	68	23.8	3.03	1.6	0.27	19.2	9.7	88	14.5	2.85	0.09
353	Manurmukh	Dug Well	8	146	0.5	67.4	BDL	40	13.9	2.09	1.2	0.19	12.8	5.8	52	10.43	2.39	0.05
354	Radhanagar	Dug Well	8.3	277	3.1	130	24	72	25.8	4.44	1.8	0.31	20.8	10.7	100	15.66	3.15	0.14

S.No	Village	Well_Type	pH	EC (µs/cm) 25C	Turbidity (NTU)	TDS	CO3-2	HCO3-1	Cl-	SO4-2	NO3-1	F-	Ca+2 (Ca)	Mg+2 (Mg)	TH (as CaCO3)	Na	K	Fe
355	Rajnagar	Dug Well	7.9	143	0.5	66.43	BDL	40	13.9	1.93	1.2	0.18	12.8	5.8	52	10.4	2.26	0.04
356	Sabroom	Dug Well	8.2	165.2	1.4	85.1	16	56	17.9	2.56	1.4	0.24	14.4	7.8	68	12.2	2.66	0.07
357	Santi bazar	Dug Well	8.2	157	1.3	80.03	16	52	15.9	2.40	1.4	0.24	14.4	7.8	64	12.1	2.54	0.07
West Tripura																		
358	Bagan Bazar	Dug Well	8.6	306.2	BDL	157.9	48	116	41.0	13.68	4.8	0.44	30.4	14.6	124	23.79	5.01	BDL
359	Bishalgarh	Dug Well	8.36	277	3.2	130	24	72	25.8	4.91	2.1	0.33	24	10.7	108	16.7	3.28	0.24
360	Champaknagar	Dug Well	8.4	282	3.5	132	32	88	27.8	5.53	2.2	0.34	25.6	10.7	116	17.3	3.68	0.25
361	Dakshin Kalamcherra	Dug Well	8.4	280	3.4	131	32	84	25.8	5.06	2.2	0.33	24	10.7	116	16.9	3.43	0.25
362	East Narayanpur	Dug Well	8.5	295	4.1	145.2	32	100	34.2	7.10	2.5	0.36	27.2	11.7	120	19.2	4.73	1.27
363	Gongrai	Dug Well	8.6	322.1	BDL	164	56	128	44.4	15.09	BDL	0.46	32	15.5	124	26.7	6.18	BDL
364	Ishanpur	Dug Well	8.5	301.9	BDL	154.9	40	108	37.6	7.41	4.3	0.43	28.8	12.6	124	22.4	4.94	BDL
365	Kalyanpur	Dug Well	8.4	285	4	132	32	92	30.8	6.00	2.3	0.34	25.6	10.7	116	17.3	3.72	0.3
366	Kathalia bazar	Dug Well	8.4	287	4.2	135	32	92	30.8	6.16	2.4	0.35	27.2	11.7	120	17.9	3.75	0.74
367	Kenania	Dug Well	8.4	288.7	4.1	136	32	96	30.8	6.16	2.5	0.36	27.2	11.7	120	18.4	3.9	1.11
368	Khowai	Dug Well	8.4	294.3	4.1	139	32	100	30.8	6.79	2.5	0.36	27.2	11.7	120	19.1	3.91	1.18
369	Paschim Howaibari	Dug Well	8.6	309.5	BDL	158.8	48	120	44.4	13.99	9.6	0.46	30.4	14.6	124	24.09	5.02	BDL
370	Simna	Dug Well	8.5	295.8	4.1	149	40	100	34.2	7.26	2.7	0.37	27.2	11.7	120	19.57	4.81	5.1
371	Sipoyjala	Dug Well	8.5	298.3	4.1	154.7	40	104	37.6	7.26	4.2	0.38	27.2	12.6	120	22.1	4.87	BDL
372	Sonamura	Dug Well	8.5	299.4	BDL	154.8	40	108	37.6	7.26	4.3	0.4	28.8	12.6	124	22.28	4.9	BDL
373	Subalsingh	Dug Well	8.5	304	BDL	155.3	40	108	41.0	9.92	4.7	0.44	28.8	13.6	124	23.7	4.97	BDL
374	Tufaniamura	Dug Well	8.6	318	BDL	160.4	48	128	44.4	14.46	BDL	0.46	30.4	14.6	124	26.4	5.09	BDL
375	Tuimadhu	Dug Well	8.6	367	BDL	166.9	64	128	47.8	15.40	BDL	0.46	35.2	15.5	128	27.9	6.42	BDL