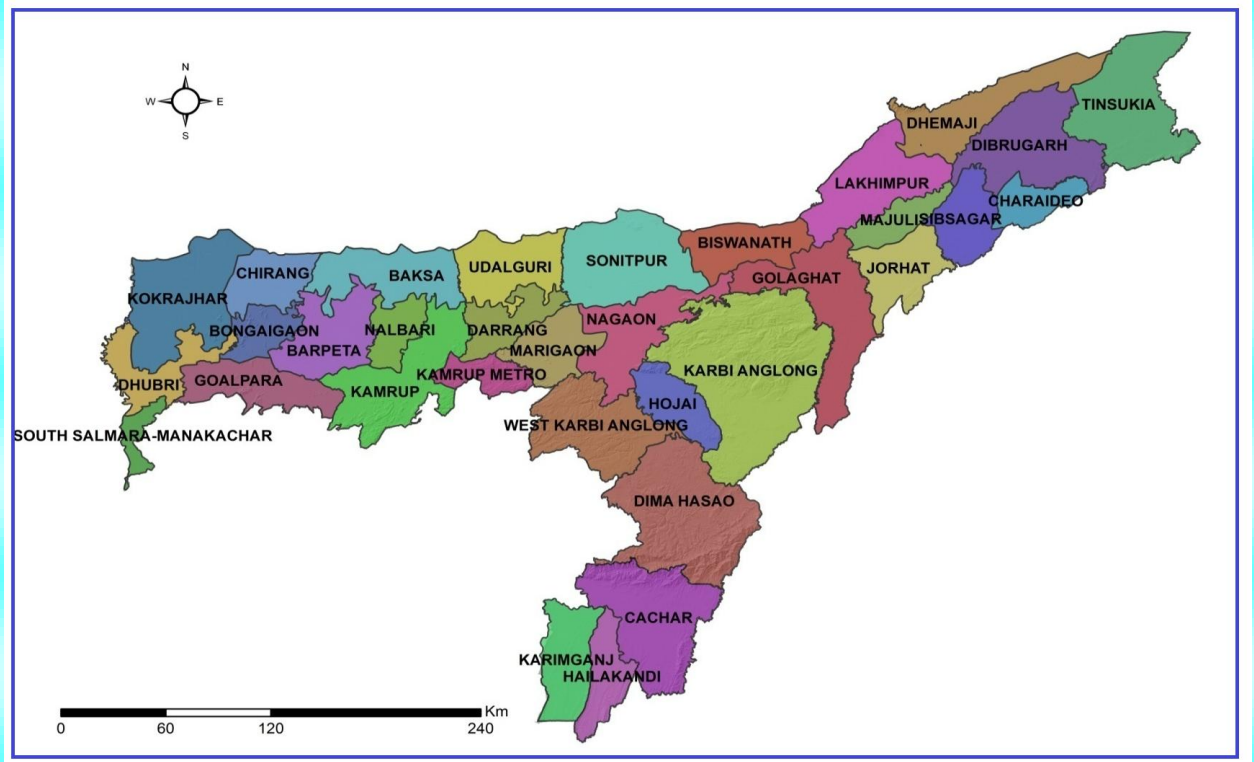




DYNAMIC GROUND WATER RESOURCES OF ASSAM

(As on March, 2020)



CENTRAL GROUND WATER BOARD

NORTH EASTERN REGION

GUWAHATI

September 2021

केंद्रीय भूमिजल बोर्ड

पूर्वोत्तर क्षेत्र

गुवाहाटी

सितम्बर २०२१



DYNAMIC GROUND WATER RESOURCES OF ASSAM
(As on March, 2020)

Prepared by

IRRIGATION DEPARTMENT
GOVERNMENT OF ASSAM
GUWAHATI

&

CENTRAL GROUND WATER BOARD
NORTH EASTERN REGION, GUWAHATI
GUWAHATI
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PREFACE

The vast alluvial plain of Brahmaputra and Barak in the Assam State promises increased agricultural output depending on ground water. Shallow tube wells with small command area are most suitable in the state. For a scientific and judicious development of dynamic ground water resource potential of the state, it is necessary to periodically re-assess available ground water resource in a scientific method based on demand and local hydrogeological conditions. Ground water resource potential is estimated based on revised methodology recommended by Ground Water Resource Estimation Committee-2015. Block level estimation of ground water resource could not be done due to non-availability of block boundary map as well as requisite block level data of each district for ground water resource estimation.

While analyzing 2017 dynamic Ground Water resources of India, it was felt that there is an urgent need for automation of Ground Water Resource Estimation to make the assessment frequent, effective and to provide a common and standardized platform using GEC-2015 methodology. This includes a web-based application and its pan-India operationalization. This will not only help the Decision makers to make decisions but also empower the stakeholders with knowledge to take part in the decision making process. In this context a project was assigned by the Ministry of Jal Shakti to IIT Hyderabad who in technical support of Vassar Labs IT Solution, Hyderabad prepared web based software known as "In-GRES" (INDIA GROUNDWATER RESOURCE ESTIMATION SOFTWARE) (<http://ingres.iith.ac.in>). Automation of groundwater resource is introduced for the first time in Assam like the rest of the country.

Assessment of Ground water resource for 2020 has been carried out based on field data generated by Central Ground Water Board & information collected from State and Central Govt. Departments. The report indicates the annual ground water recharge, existing gross ground water extraction for irrigation, domestic and industrial uses and net ground water availability. The report also throws light on the present stage of ground water extraction in each assessment unit as well as ground water resource available for farther extraction.

Out of 7843800 ha geographical area of the state an area of 6342260ha having slope <20% is taken into consideration for ground water recharge calculation. Annual extractable ground water resource of the state during 2020 worked out as 21.96 Billion Cubic Meter (BCM). Current annual gross G.W. Extraction for all uses is 2.57 BCM. Provision for Domestic and Industrial requirement upto 2025 estimated as 0.66 BCM. Net ground water available for future irrigation use is estimated as 19.33 BCM. Stage of ground water extraction in the State is 11.73 % with a maximum in the Urban area of Kamrup Metro district (57.26 %) and lowest in Karbi Anglong district (0.70 %). Based on available resource and development all the districts were categorized as "Safe".

The estimation of dynamic groundwater resources for Assam was jointly done by Irrigation Department, Govt. of Assam and Central Ground Water Board, North Eastern Region. The sincere efforts put forth by by the scientists of Central Ground Water Board, North Eastern Region, Guwahati and Irrigation Department, Govt of Assam, Guwahati in preparation of this report are highly appreciated . The contribution of officers from different state Govt. departments involved in compilation of data are also commendable .

It is hoped that the report would be of immense help for the planners, policy makers, Government departments and administrators of the State to formulate future ground water extraction and sustainable management plan of ground water resources.



(BIPLAB RAY)
REGIONAL DIRECTOR (i/c)

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CONTRIBUTORS

Estimation of ground water resources of Assam is based on the data provided by the concerned State Govt. Departments. The computation of the resource and preparation of the report was carried out by D. Rabha, Scientist-B, Mophi Mili, Scientist-B and B.B. Sahoo, Scientist-B of Central Ground Water Board, North Eastern Region.

CHAPTER: 1 INTRODUCTION

1.1 Background for re-estimating the Ground Water Resources of Assam State

A ground water assessment unit is a geographic land area for which ground water assessment is to be carried out. Ground water year for purposes of ground water assessment is considered to comprise of 12 calendar months beginning from the commencement of the predominant monsoon. Ground water level is at the lowest level (or, farthest from the ground level) just prior to the onset of the predominant monsoon and reaches a peak (highest level or closest to the ground level) a little before the cessation of the predominant monsoon. Thereafter, the ground water level shows a declining trend with the recession limb having two significant segments. The first segment has a relatively steeper slope and extends to about a month after the cessation of the predominant monsoon. The second segment has a much flatter slope and extends up to the time when the predominant monsoon commences again in the next year. Keeping the above considerations in mind, a ground water year is sub-divided into the following two seasons and resource assessment carried out separately for both the seasons:

- a) 'Monsoon Season' between the commencement of the predominant monsoon and a month after its cessation.
- b) 'Non-monsoon Season' covering the rest of the ground water year.

The previous ground water resources assessment of the state was carried out during 2017 based on the recommendations of Ground Water Estimation Committee – 2015 (GEC'15). Annual extractable ground water resource of the state during 2020 worked out as 21.96 Billion Cubic Meter (BCM). Current annual gross G.W. Extraction for all uses is 2.57 BCM. Provision for Domestic and Industrial requirement upto 2025 estimated as 0.66 BCM. Net ground water available for future irrigation use is estimated as 19.33 BCM. Stage of ground water extraction in the State is 11.73 % with a maximum in the Urban area of Kamrup Metro district (57.26 %) and lowest in Karbi Anglong district (0.70 %). Based on available resource and development all the districts were categorized as **“Safe”**.

Present Ground water resources assessment for the state of Assam been done based on the revised recommendations of Ground Water Resource Estimation Committee – 2015 (GEC'15).

1.2 Constitution of State Level Committee

The State Level Committee for re-estimation of ground water resource estimation as on March 2020 has been constituted by the Government of Assam vide Office Order No IGN(W) 150/2011/99 Dated 21st September 2020 (Appendix I).

CHAPTER: 2

HYDROGEOLOGICAL CONDITION OF ASSAM STATE

2.1 Description of rock types

The geological formations in the State may be broadly classified into the following regional groups: 1. The Archaean Group comprising a metamorphic complex of gneisses and schists intruded by younger acid/ basic intrusive. The group covers the northern and central parts of the Karbi-Anglong, and isolated inselbergs of the Archaeans scattered along the north and south banks of Brahmaputra in Goalpara, Bongaigaon, Dhubri, Kokrajhar, Kamrup, Darrang, Sonitpur, Morigaon and Nagaon districts. 2. The Precambrian Group consisting of quartzites and phyllites restricted to small areas over the western flanks of the Karbi-Anglong and northern part of the North Cachar Hills. 3. The Lower Tertiary shelf sediments of the Jaintia Group extending along the southern flanks of the Karbi-Anglong, as well as the geosynclinals Disang Group over parts of the North Cachar Hills. 4. The Upper Tertiary (Oligo-Mio-Pliocene) shelf and geosynclinal sediments covering the southern flanks of Karbi-Anglong, the North Cachar Hills and the hills in the Barak valley, the northern foot hills of the Naga Patkai range bordering the southern margin of the Jorhat, Sibsagar, Tinsukia and Dibrugarh district and rare narrow fringe of unclassified Siwaliks along the southern foot hills of the eastern Himalayas facing the northern border of Assam. 5. Unclassified older and newer alluvium comprising high level terraces, the red bank soil and the Recent alluvial deposits of the Brahmaputra valley

2.2 Hydrometeorology

The state of Assam enjoys sub-tropical humid climate with maximum temperature ranging from 27° to 38° C and minimum winter temperature varying between 3.4° to 11° C. Humidity is very high ranging from 74 to 87%. Assam experiences the phenomenon influence of the South-West Tropical monsoon which persists from June to September months, with substantial non monsoon. The normal annual rainfall of the state is recorded to be 2454.4 mm with little variation. In the extreme southern parts of Karbi Anglong and Nagaon districts, rain-shadow area receives relatively low rainfall having average annual rainfall of less than 1500 mm.

2.3 Description of Hydrogeological Units

Diversified geological formations with considerable lithological and chronological variations and the complex tectonic framework render the hydrogeological set up of the state widely variable. However, based on hydrogeological studies and explorations, it has been possible to broadly generalize hydrogeological framework of the State as

- i. Areas underlain by porous unconsolidated formations: Quaternary alluvium.

- ii. Areas underlain by porous semi-consolidated formations: Tertiary sedimentaries.
- iii. Areas underlain by consolidated formations: weathered and fissured basal crystallines, effusive and intrusive rocks of Archaean and Precambrian.

The major part of the Brahmaputra valley is underlain by Quaternary group of rocks comprising Recent and Older alluvium consisting of sands of various grades, gravels, pebbles and boulders with thin bands of clay and silt. The coarse clastics form the productive aquifers. The sands form aquifer system of massive thickness in the northern parts of Brahmaputra River. Thin bands of localised clay are occasionally found. On the southern bank of the Brahmaputra River covering parts of Goalpara, Dhubri and kamrup, Nagaon, Karbi Anglong, Golaghat, Jorhat, Sibsagar, Dibrugarh, Tinsukia districts, clays dominate over sand horizons in the vicinity of Shillong plateau, Karbi-Anglong and Naga-Patkai Hills.

The semi-consolidated formations belong mainly to the Cenozoic group of rocks comprising siltstones, claystones, grits, sandstones, shales and conglomerates. This group of rocks is generally found in the Barak valley, hills as also in the southern part of Karbi-Anglong and Upper Assam covering southern fringe of Dibrugarh, Tinsukia, Jorhat and Sibsagar districts. While the Tipam Group of rocks are predominant in the Synclinal valleys of the Barak river basin.

The consolidated formations occupy mainly the Karbi Anglong, Kamrup, Morigaon, Nagaon, Goalpara, Bongaigaon, Dhubri districts and comprise crystalline rocks of gneissic complex. The compact siltstones, mudstones, shales and sandstones of Lower Tertiaries have also been included under the consolidated category. Ground water occurrence in the consolidated rocks is strikingly different from that in the unconsolidated and semi-consolidated sediments.

Based on the water bearing and water yielding characteristics of the porous formations the State has been further divided into the following principal zones

a. Fairly thick and regionally extensive confined and unconfined aquifers explored down to a depth of 300 m with large yield prospects of 150 to 200 cubic metres per hour (1.5 to 2 cusec) for a drawdown of within 8 metres. Such areas are found in the alluvial plains and low level terraces of the Brahmaputra valley.

b. Moderately thick but discontinuous confined and unconfined aquifers found particularly on the south bank. Thickness of unconsolidated sediments is variable but generally exceeds 50m and has good yield prospects of upto 150 m³ /hr for drawdowns of within 6 to 12 m.

c. Areas of ground water basins having thick but discontinuous confined to semi-confined aquifers of fine to medium grained soft sandstone with low to moderate yield prospects of 30 to

50 m³ /hr for heavy drawdowns of upto 20 metres or even more. Such areas are in the synclinal valleys of the Barak valley. In Upper Assam particularly the southern parts of Tinsukia, Dibrugarh districts, and eastern Sibsagar district aquifers yielding 80 to 120 m³ /hr for drawdowns of upto 12 metres have been found.

In the Dima Hasao district the rocks are largely dominated by argillaceous formations. Fresh water springs are the main sources of ground water in these hilly and forested areas.

Marginal areas of ground water basins having restricted lenticular aquifers generally of fine nature found in the areas fringing the Shillong plateau, Karbi-Anglong, Naga Patkai range including the hilly areas of North Cachar Hills. Yield prospects are generally low (less than 50 m³ / hr for high drawdowns).

In the fissured formations ground water is restricted to weathered residium, fracture zones having secondary porosity with yield prospects varying between 5 to 30 m³/hr.

2.4 Ground Water Level Conditions

Investigations carried out by CGWB show that ground water in the near surface aquifers in the flood plain areas occurs under water table conditions. CGWB has so far established 624 observation net work stations in the state, which are being monitored four times in a year i.e. January, March, August and November. The water level data indicated that depth to water level in the Bhabar zone are within ground level to 8m below ground level (bgl) and at times above 10 m bgl. In the intermontane valleys of Cachar, water levels are found to vary from within 1m to 8 m bgl. In the alluvial formations the water levels are found mostly to be 2 to 5m bgl.

Ground water at deeper levels is found to occur under semi-confined to confined conditions with piezometric head varying between 2 to 6 mbgl. Auto flow zones have also been identified in some parts of Baksa, Darrang and Udalguri districts of Assam. The long term trend of both pre-monsoon and post monsoon depict no significant change of ground water level in the state.

2.5 Ground Water Quality

From hydro chemical point of view, the ground water of the state is found to be potable except arsenic, iron and fluoride problem. High iron content in ground water beyond permissible limit of 1mg/L have been recorded in almost all the districts. The occurrence of fluoride in deeper aquifers has been found in pockets of Karbi Anglong, Kamrup and Nagoan districts. Further, sporadic occurrence of arsenic in shallow aquifer has been detected in Dhemaji, Majuli, Cachar and Lakhimpur district. Besides, The Assam Public Health Engineering Department has detected arsenic in 19 districts of Assam.

CHAPTER: 3

GROUND WATER RESOURCE ESTIMATION BY AUTOMATION

3.0 Introduction:

While analyzing 2017 dynamic GW resources of India, it was felt that there is an urgent need for automation of Ground Water Resource Estimation to make the assessment frequent and effective. This will provide a common and standardized platform using GEC-2015 methodology. This includes a web-based application and its pan-India operationalization. A GEC dashboard as a final output of automation for the entire India, will be able to show all type of recharges and discharge components reflecting the overall stage of extraction at the selected Level (District, tehsil, block, Mandal ,blocks, etc). This will not only help the Decision makers to make decisions but also empower the stakeholders with knowledge to take part in the decision making process. In this context, a project was assigned by the Ministry of Jal Shakti to IIT Hyderabad who in technical support of Vassar Labs IT Solution, Hyderabad prepared web based software known as “In-GRES” (INDIA GROUNDWATER RESOURCE ESTIATION SOFTWARE) (<http://ingres.iith.ac.in>).

The GEC 2015 methodology recommends aquifer wise ground water resource assessment. Ground water resources have two components – Replenishable ground water resources or Dynamic ground water resources and in-storage resources or Static resources. GEC 2015 recommends estimation of Replenishable and in-storage ground water resources for both unconfined and confined aquifers. Wherever the aquifer geometry has not been firmly established for the unconfined aquifer, the in-storage ground water resources have to be assessed in the alluvial areas up to the depth of bed rock or 300 m whichever is less. In case of hard rock aquifers, the depth of assessment would be limited to 100 m. In case of confined aquifers, if it is known that ground water extraction is being taken place from this aquifer, the dynamic as well as in-storage resources are to be estimated.

3.1 Advantages of Automation using In-GRES:

The process of automation has the following advantages

1. In-GRES is the common portal to input, estimate, analyze, and access static and dynamic groundwater resources
2. Recharge (in-fluxes) and Extraction (out-fluxes) of groundwater resources are automated.
3. Removes all the hurdles associated with manual data entry, computations, report generation, approvals, and visualization

4. In-GRES is a user friendly software to dynamically characterize the administrative/assessment units based on GEC-2015

GEC 2015 Methodology: In-GRES software is based on GEC 2015 methodology for ground water resources estimation for 3 types of Aquifers: Unconfined Aquifer, Semi-Confined Aquifer and Confined Aquifer. The resource estimation for an Unconfined Aquifer is based on the principle of water balance:

$$\text{Inflow} - \text{Outflow} = \text{Change in Storage (of an aquifer)}$$

This equation can be further elaborated as:

$$\Delta S = \text{RRF} + \text{RSTR} + \text{RC} + \text{RSWI} + \text{RGWI} + \text{RTP} + \text{RWCS} \pm \text{VF} \pm \text{LF} - \text{GE} - \text{T} - \text{E} - \text{B}$$

Where,

ΔS – Change in storage, RRF – Rainfall recharge, RSTR – Recharge from stream channels,

RC – Recharge from canals, RSWI – Recharge from surface water irrigation,

RGWI – Recharge from ground water irrigation, RTP – Recharge from tanks & ponds

RWCS – Recharge from water conservation structures, VF – Vertical inter aquifer flow

LF – Lateral flow along the aquifer system (throughflow), GE – Ground Water Extraction

T – Transpiration, E – Evaporation and B – Base flow.

India GEC system is divided into 3 modules – Input, Computation and Output.

1. **Input module** – Input Module refers to the Data Entry module at an Assessment Unit level.

Data Input is done via 2 methods i.e.

i) Excel based input – In this, the user needs to download District level data sheet template where he/she can fill the data at an Assessment Unit level. User now needs to upload their fully filled excel sheet into the system.

ii). Form based input – In this, the user is shown a form and he/she can fill/edit the data in data sheet in an online mode. Once user is done with editing online, he/she can Submit the data file.

2. **Computation module** – Computation Module refers to the ground water calculations for an assessment unit. These computations are based on GEC 2015 methodology and are used to calculate Annual Extractable Ground Water Resource, Total Current Annual Ground Water Extraction (utilization) and the percentage of ground water utilization with respect to recharge (stage of Ground Water Extraction) for an assessment unit. Based on these percentages an assessment unit is categorized into SAFE, SEMI-CRITICAL, CRITICAL AND OVEREXPLOITED categories.

3. **Output module** Once categorized the data is shown in two views:

i) MIS Dashboard – MIS dashboard shows the results of the assessment for the entire India, and also State wise in tabular form. The MIS dashboard shows all type of recharges, extractions, inflows and outflows computed for both monsoon and non-monsoon periods of the year and then reflect the overall stage of extraction at the selected Geo-Zoom Level.

ii) GIS Dashboard – GIS dashboard shows the data in Web Geo-Server format, implemented in interactive GIS platform allowing user to all GEC related information in the map itself. GIS view represents the data on India map and color codes of each District/Assessment unit based on the categorization.

The important input data files containing types of data in INGRES and computed parameters using the input data are shown in Table 3.1 in abridged form.

Table 3.1: Comparison and recommendations of GEC 2015 with GEC 97

S. N	Input Data File in INGRESS	Type of Data	Parameters Computed
1	Basic data sheet	Recharge Worthy Area, Non-Recharge Worthy Area, Type of Soil, Specific Yield, Rainfall Infiltration Factor	
2	Aquifer Data	Aquifer information of the assessment unit i.e. Principal Aquifer, Major Aquifer and its code	
3	Rainfall Data File	1. Rainfall data assessment unit wise 2. Rain Gauge Data 3. IMD Grid Data 4. Time Series Data	Rainfall Recharge by Rainfall Infiltration Method (RIF)
5	Ground Water Well Data File	1. Assessment unit wise data 2. Well wise data 3. Time series data	Monsoon Rainfall Recharge by Water Level Fluctuation Method
5	Recharge Data File	1. Surface Water Irrigation – Canal Outlet 2. Surface Water Irrigation – Crop Water Requirement 3. Canal Seepages 4. Tanks & Ponds 5. Water Conservation Structures 6. Water Conservation Structures 7. Ground Water Irrigation	Recharge from other sources
6	Draft Data File	Domestic (i) Unit Draft (ii) Consumptive Use Method	Groundwater extraction calculation for (i) Domestic

		Irrigation (i) Unit Draft (ii) Power consumption Industrial (i) Unit Draft (ii) Power consumption	(ii) Irrigation (iii) Industrial
7	Inflows and Outflows Data File	1. Base Flow 2. Additional Base Flow 3. Vertical inter Aquifer flow 4. Lateral Aquifer flow 5. Evapotranspiration 6. Evaporation 7. Transpiration 8. Stream Channels	
8	Additional Potential Resources Data File	i) Shallow Water Areas ii) Flood Prone Areas iii) Spring Discharges	
9	Resources of Confined and Semi-Confined Aquifer Data File	Confined & semi-confined aquifer piezometer data	
10	Urban Area Resource – Pipelines and Sewages		

User Management: In-GRES system has multi-level user to input data, trigger computations and approval to accept data and estimation of resource. In In-GRES, the data validation and approval of resource computation starts from district level and ends at the Ministry level after which only the final resource is available in public domain. State, Central Ground Water Board (CGWB) and Central Level Expert Group (CLEG) act as intermediary admin in between district and Ministry. The hierarchy is as follows:

District Admin: District admin will either approve district level field user input data and computations to State Admin or rejects and reverts to field user.

State Admin: State admin initiate the process of resource estimation by uploading the assessment unit shape file in In-GRES. State admin also upload the Basic Data file. It either approves the data and computations to State Level Committee (SLC) for estimation of dynamic groundwater resource of the state or rejects and reverts to district admin.

SLC Admin: SLC admin after examining the resource will either approves the data and computations to CGWB admin or rejects and reverts to state admin.

CGWB Admin: CGWB admin if satisfied with the computations will approve GWRE to CLEG or if not satisfied then reverts it to SLC admin.

CLEG Admin: After CLEG's approval, the report moves to Ministry admin user for approval.

CHAPTER: 4

GROUND WATER RESOURCES ESTIMATION IN ASSAM THROUGH INGRES

4.0 In-GRES User Management:

As automation of groundwater resource is introduced for the first time in Assam like the rest of the country, the Central Ground Water Board, North Eastern Region has completed the task of uploading the shape files of assessment units, data entry, triggering computation and validation of computation as super admin. Uploaded basic data, aquifer data, extraction data, recharge data, etc. in In-GRES are shown in Annexure I to VI.

4.1 Ground Water Assessment Unit

This methodology recommends aquifer wise ground water resource assessment. An essential requirement for this is to demarcate lateral as well as vertical extent and disposition of aquifers. As aquifer mapping studies is yet to be completed therefore, aquifer wise resource assessment for the State of Assam was not possible. Moreover, as per recommendation block/taluka/mandal/ firka need to be considered as the assessment unit. In case of Assam other than district boundary, that too of 2011, block level information required for resource assessment are not available. By 2020, a number of new districts have come up but new district boundary maps as well as requisite data are also not available. Therefore, during re-assessment of ground water resource as on March 2020, **district (as on Census 2011) is considered as assessment unit**. Administrative map showing district boundary (assessment unit) is given in **Plate I**.

Out of the total geographical area of an assessment unit, hilly areas i.e. having slope > 20% (9,619.64 sq.km.) are identified and subtracted from the total geographical area (78,438 sq. km.) of the district (Geographical area is as per 2011 Census) as these areas have more run-off than infiltration. Remaining 68818 sq. km. area is considered as recharge worthy area and accordingly ground water resource for that area is calculated. Hydrogeological map of the district showing various formations is given in **Plate II**.

4.2 Resource Assessment for Command and Non-Command Area

Preliminary data required for resource assessment in command area are geographical boundary of the command area in an assessment unit, population under command area, season wise area cultivated, number of ground water structures etc. which are not available with State Govt. As such whole recharge worthy area i.e. the area considered for resource calculation has been considered under Non-Command area. Within the assessment area in each district **“Hard rock”** and **“Soft rock”** areas are tentatively demarcated based on available map and resource for both the said areas are assessed separately for estimating dynamic and in-storage resource of the un-confined zone.

4.3 Resource Assessment for Poor Ground Water Quality Area

In Assam presence of Arsenic and Fluoride is the main ground water quality related problem. As per GEC'15 assessment units are tagged for Fluoride, Arsenic or both.

4.4 Resource Assessment for Unconfined and Confined Aquifer

As the lateral and vertical confined aquifer boundary is yet to be established so, only “Dynamic Ground Water Resource” of Un-Confined zone is estimated.

4.5 Ground Water Extraction:

Gross ground water extraction includes ground water extraction from all existing ground water structures like from irrigation, from domestic uses and from industrial uses, both during monsoon as well as during non-monsoon period.

4.5.1 Domestic extraction:

District wise number of ground water structures in use for domestic needs is not available. Only information of wells constructed by State Govt. was available. But, a huge number of private wells already exist in Assam and there is no recorded database of the same. Therefore, domestic extraction is calculated based on per capita water requirement i.e. @60 lpcd for rural and @135 lpcd in urban areas.

4.5.2 Irrigation extraction:

The number of ground water structures in use for irrigation is taken from 5th MI Census. In the present calculation unit extraction is considered as 1.68 ham after consultation with Irrigation Dept., Govt. of Assam.

Unit Extraction Calculation: Considered average discharge of a TW=6.5 lps (i.e., 23.4 m³/hr), Average Hours of Pumping= 6 hrs/day, No. of days a TW runs per year= 120 days. Therefore, annual extraction/ TW = 216 m³/day*120 days = 25920 m³/year = 1.68 Ham/Year.

4.5.3 Industrial extraction:

District wise various industries running in the state are taken from the CGWB database (as on March 2020) on issuance of NOC for ground water extraction as Industrial Department, Govt. of Assam could not provide such information.

4.6 Ground Water Recharge:

Seasonal i.e., Monsoon and Non-Monsoon, Ground water recharge is estimated both by rainfall infiltration and water table fluctuation or water balance method for Monsoon season and by rainfall infiltration method for non-monsoon season as per guidelines. The monsoon recharge computed by WLF method is normalized for the current year rainfall. The normalization procedure could not be adopted for Baksa, Chirang, Dima Hasao and Udalguri districts due to insufficient ground water monitoring stations.

4.6.1 Recharge from other Sources:

Recharge from other sources means recharge through return flow from tanks and ponds, surface and ground water irrigation. Irrigated area during Kharif and Rabi-Pre-Kharif seasons (as per 5th MI Census) is considered for recharge during Monsoon and Non-Monsoon seasons respectively. Recharge from irrigation through return flow is calculated for Minor irrigation only. Crop wise area brought under irrigation for monsoon and non-monsoon seasons are not available. Therefore, crop under Monsoon irrigation (both from surface and G.W. sources) is considered as Paddy being major crop while during non-monsoon season other crops are considered. As design discharge of surface irrigation schemes are not available in MIS census, quantum of water applied is calculated by multiplying irrigated area of Kharif/ Rabi season with crop water requirement of the respective season.

Existing area of tanks and ponds are taken from Statistical Hand Book, Assam 2018. Average water spread area is considered as 60% as per guidelines. A recharge factor of 0.0014 meters per day per hectare is considered as data is not available from field studies. Recharge from Tanks and Ponds is considered for non-monsoon period i.e. for 212 days.

Recharge from water conservation structures could not be calculated as detail information on district wise existing water conservation structures, storage capacity and number of fillings are not available.

4.6.2 Inflow and Outflow components:

The inflow components are lateral flow along the aquifer system, vertical flow from hydraulically connected aquifers. Base flow, stream recharge, evaporation and transpiration are the outflow components. In the present assessment the lateral and vertical flow components could not be determined due to lack of aquifer parameters. Base flow and stream recharge are also difficult to determine due to lack of stream gauge discharge data. Only two outflow components are determined in the present assessment, i.e, evaporation and transpiration loss.

Evaporation and transpiration loss are calculated in each assessment unit as per the GEC'15 methodology for which average depth to water level maps for monsoon (**Plate III**) and non-monsoon periods (**Plate IV**) are prepared. As evaporation rate is not available, evaporation rate of 1mm/day is considered in the present estimation. Since field study result is not available, evaporation losses is estimated for the area having depth to water level within 1 m bgl and similarly transpiration loss is estimated for the area having depth to water level within 3.5 m bgl as per guidelines. Evaporation and transpiration losses from aquifer are considered as zero when depth to water level is more than 1 m bgl and 3.5 m bgl respectively.

4.6.3 Rainfall infiltration factor method:

Assessment unit wise Monsoon and Non-Monsoon Normal rainfall (Source Rainfall data 2016: IMD) is readjusted for resource are calculation based on minimum and Maximum threshold value. To calculate rainfall recharge, both for monsoon and non-monsoon season, RIF factor is considered as **22%** for all the district except for Cachar, Karimganj, Hailakandi and Dima Hasao districts where it is considered as **12%** as the formation is semi-consolidated and infiltration rate much less than the rest part of the state..

4.6.4 Water table fluctuation or water balance method:

In water balance method monsoon recharge is calculated and later compared with recharge as calculated by rainfall infiltration factor method. In water balance method change in water level during monsoon i.e. difference between Pre & Post monsoon water level in each assessment units is multiplied by specific yield and recharge worthy area of the respective assessment units to get the monsoon ground water recharge.

To calculate rainfall recharge, both for monsoon and non-monsoon season, Specific yield is considered as 16% for Baksa, Chirang and Udalguri districts while for Cachar, Karimganj, Hailakandi and Dima Hasao districts it is considered as 3%, as it is underlain by semi-consolidated Tertiary formation. For rest of the districts it is considered as 12%.

Total monsoon recharge will be the sum of ground water recharge calculated through water balance method & recharge from other sources deducting sum of resultant flow & gross ground water extraction.

4.6.5 PD” factor

The monsoon recharge calculated for a particular year may show a high or low value based on sudden rise or fall in rainfall and water level fluctuation value considered for the year. As such, monsoon recharge calculated needs normalization based on normal rainfall, actual rainfall for last five years and water level fluctuation during last five years. Final monsoon recharge thus calculated through water balance method is compared with monsoon recharge calculated by rainfall infiltration factor method to get the (Percent)% difference or PD factor. Due to non-availability / insufficient pre and post monsoon water level data from 2015 to 2019, PD factor could not be calculated for Cachar, Chirang, Darrang, Dhemaji, Dhubri, Dima Hasao, Karimganj, Kokrajhar and Nalbari districts. For these districts monsoon recharge calculated through rainfall infiltration factor method is considered.

When PD factor is not within the range of -20% to 20% than rainfall recharge estimated by rainfall infiltration factor method is adopted after multiplying with weightage factor of 0.8 (if >-

20%) or 1.2 (if >20%). If PD factor is within a range of - 20% and +20%, rainfall recharge calculated through water table fluctuation method is adopted.

4.6.6 Annual ground water recharge:

Annual ground water recharge is the sum-total of monsoon and non-monsoon recharge. An allowance is kept for **Environmental Flow** (un-accounted natural discharge as per GEC'97) in the non-monsoon season by deducting 5% of total annual ground water recharge, where WLF method is employed to compute rainfall recharge during monsoon season and 10% of total annual ground water recharges where RIF method is employed before getting the **annual extractable ground water resource**.

4.7 Stage of ground water extraction and categorization of units

Stage of ground water extraction is the percent value of present gross ground water extraction to the annual extractable resource. In Assam all the assessment units are in the safe category.

4.8 Allocation of ground water resource for utilization

The net annual ground water availability is to be apportioned between domestic, industrial and irrigation uses. Among these, as per the National Water Policy, 2002, requirement for domestic water supply is to be accorded priority. Ground water requirement for future domestic water supply is to be kept based on projected upto 2025. While allocating ground water for domestic requirement as, per GEC' 15 methodology, formula is provided as “**A = 22 * N * L_g**”

Where,

A = Allocation for domestic water Requirement in mm/year.

N = Projected Population density in the assessment unit in thousands per square kilometer.

L_g= Fractional Load on ground water for domestic and industrial water supply (≤ 1.0)

For rural area requirement of 60 lpcd and for urban area 135 lpcd is considered.

The net ground water availability for future use is obtained by deducting the allocation for domestic use and current extraction for irrigation and industrial use from the annual extractable ground water recharge.

4.9 Additional Potential Recharge

Additional potential recharge is calculated as per GEC'15 methodology for water logged, shallow water table and for flood prone areas. For spring discharge it could not be calculated as requisite data like spring discharge/ number of days running is not available.

✓ **Potential Resource in Water Logged and Shallow Water Table Areas:**

For calculation of potential resource, water logged and shallow water table areas in each district has been delineated from depth to water (DTW) level map of pre-monsoon period having water level within 5 m bgl.

✓ **Potential Resource in Flood Prone Areas:**

$$\text{PRFL} = 1.4 * N * A/1000$$

Where,

PRFL = Potential Recharge in Flood Prone Areas

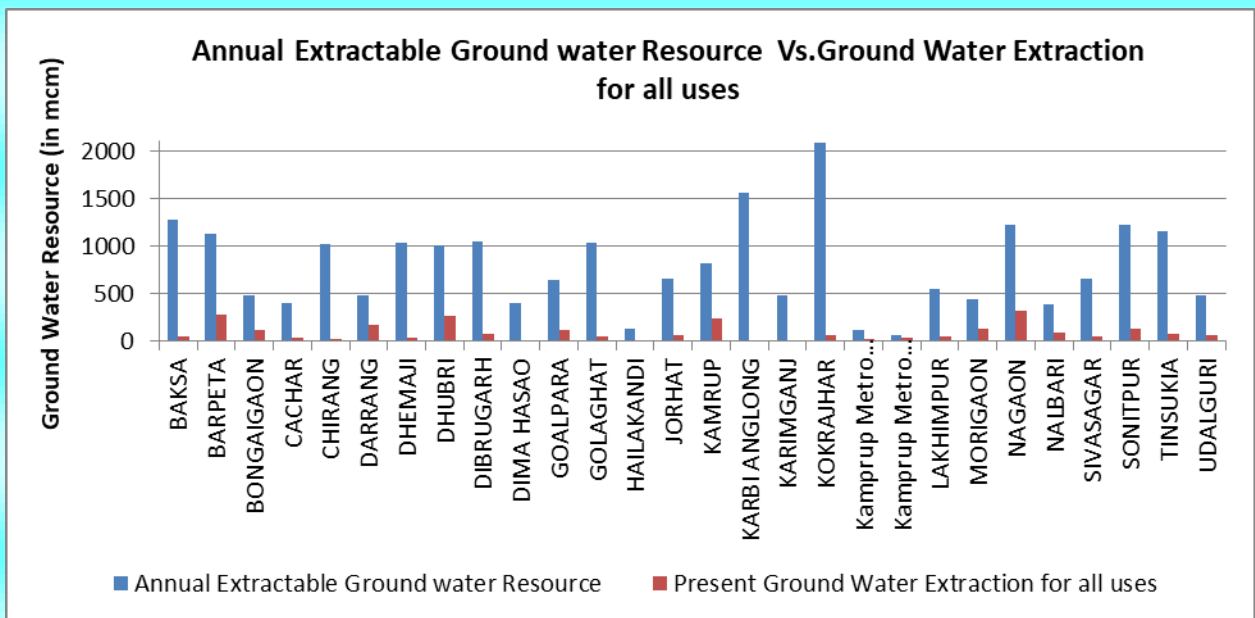
N = No of Days Water is Retained in the Area

A = Flood Prone Area

CHAPTER: 5
GROUND WATER RESOURCE IN ASSAM AS ON MARCH, 2020

5.1 Dynamic Ground Water Resources of the state

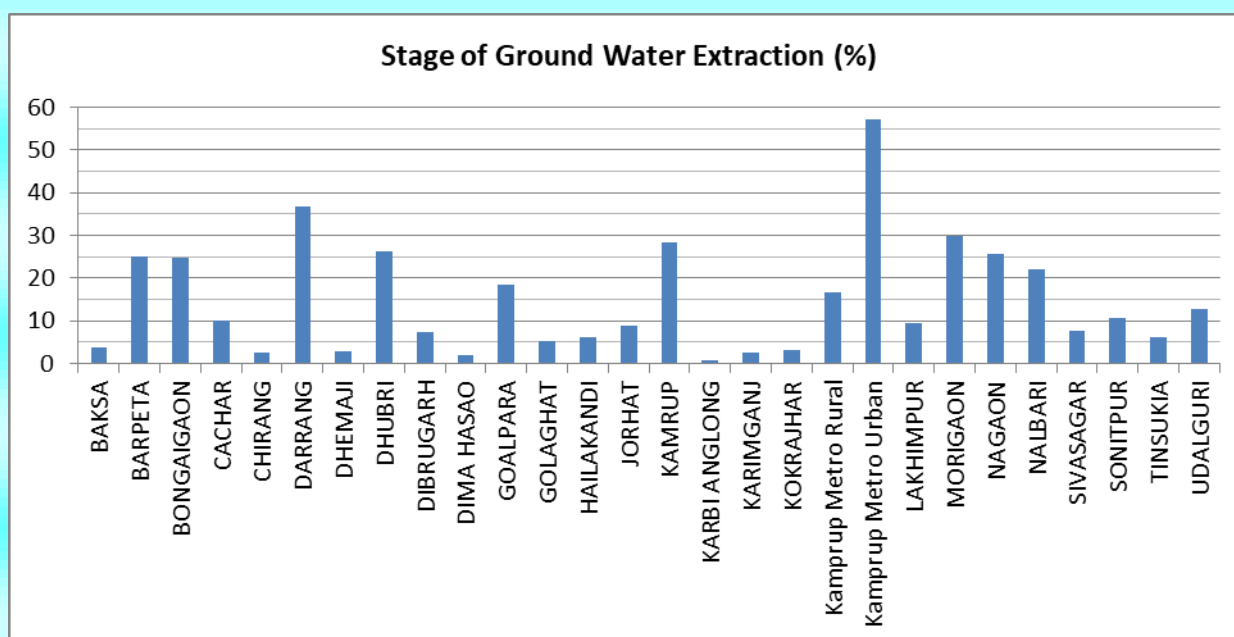
Out of 7843800 ha geographical area of the state an area of 6881800 ha having slope <20% is taken into consideration for ground water recharge calculation. After deducting resultant flow (loss due to evaporation and transpiration) of 257187 ham, annual ground water recharge in the state is 2672776.58 ham. As there will be some natural discharge from the system therefore, after deducting total natural discharge of 251558.11 ham from the annual ground water recharge, annual extractable ground water resource remains as **2196562.57 ham**. Current annual gross ground water extraction in the state is 257563.41 ham of which 59511.47 ham is from domestic use, 197470.56 ham from irrigation and 581.409 ham from industrial uses. Annual ground water allocation up to 2025 for domestic use is 65961.08 ham. Thus, net ground water availability for future use is 1932549.57 ham. Assessment unit wise available extractable ground water resource, current status of ground water extraction and future allocations are shown graphically below.



5.2 Spatial variation in stage of ground water extraction

The over-all stage of ground water extraction of the state is 11.73 %. The highest stage of ground water extraction of 57.26 % is observed in Kamrup Metro Urban area while lowest extraction of 0.70 % is observed in Karbi Anglong district. Status of ground water extraction for all the assessment units are classified and graphically illustrated below. From the diagram it is

clear that about 46 % of the assessment units (districts) are having stage of ground water extraction <10%. Therefore, there is ample scope for ground water extraction in the state of Assam.



5.4 Comparison of ground water resources between 2017 and 2020

A comparison is made between ground water resource estimated during 2017 with resource estimated during 2020 and presented below.

Comparison between ground water resources estimation for Assam for 2017 and 2020

S.N.	ITEM	Status as on March 2017 (in BCM)	Status as on March 2020 (in BCM)	Comparison (in BCM)
1	Annual rainfall recharge	27.5	25.56	-1.94
2	Annual recharge from other sources	1.14	1.49	0.35
3	Annual extractable Ground Water Resource	24.26	21.96	-2.3
4	Current annual gross GW Extraction for irrigation	1.97	1.97	0
5	Current annual gross GW Extraction for domestic and industrial use	0.75	0.60	-0.15
6	Current annual gross GW Extraction for All uses	2.73	2.58	-0.15
7	Annual GW Allocation for Domestic water supply as on 2025	0.79	0.66	-0.13
8	Net Annual GW availability for future use	21.43	19.33	-2.1
9	Average stage of GW extraction (in %)	11.25	11.73	0.48

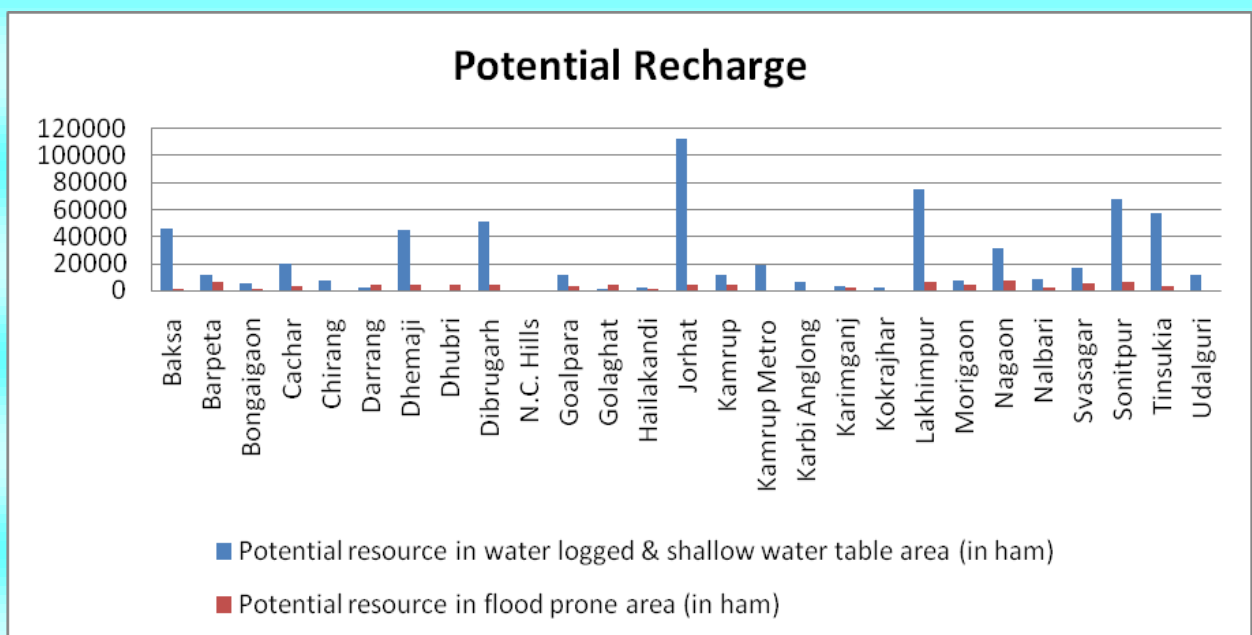
The comparison of rainfall recharge between 2017 & 2020 depicts that there is a decrease in annual rainfall recharge by 1.94 BCM during 2020. This decrease in recharge is due to adoption of calculation as per GEC 2015 methodology.

There is a increase of 0.35 BCM of recharge from other sources from 2017 to 2020 for which relevant data was not due to inclusion of canal recharge component in the current assessment (2020) which was not available during 2020. Moreover, there is increase in recharge from ground water irrigation as well as recharge from tanks & ponds during 2020. The said component is excluded as relevant data of irrigation canals (geographical position of the cannels, slope/ width/ side angle of the canals, design discharge etc. are not available.

In spite of increase in population and thereby consumption there is a decrease of 0.15 BCM in domestic ground water extraction during 2020 while compared with 2017. This is due to the change adopted in per capita ground water demand which was considered as 70 lpcd for rural areas during 2017 (as per PHED. Govt. of Assam) but, considered as 60 lpcd during 2020 following all India norms.

5.4 Additional Annual Potential Recharge in Shallow Water and flood prone areas

Additional annual potential recharge has been considered for the shallow ground water level areas (depth to water level within 5 m below ground level) and the flood prone areas of the State. The additional potential recharge for the state has been estimated as 7, 27,335 ham. (**Plate-V**).



**GOVERNMENT OF ASSAM
IRRIGATION (WORKS) DEPARTMENT
BLOCK-B, 2nd FLOOR, JANATA BHAWAN
DISPUR, GUWAHATI-6.**

ORDERS BY THE GOVERNOR

NOTIFICATION

Dated, Dispur, the 21st Sep, 2020.

No.IGN(W)150/2011/99:- In pursuance of Central Ground Water Board's (CGWB) letter No.124/18/CGWB/NER/GWRE/2020 Dated-04/06/2020, the Governor of Assam is pleased to constitute the State Level Committee for Assessment of Dynamic Ground Water Resources of Assam comprising the following as members:

(a) Commissioner & Secretary, Irrigation Deptt.	.....	Chairman
(b) Chief Engineer, Irrigation Deptt.	.....	Member
(c) Chief Engineer, Water Resources Deptt.	.....	Member
(d) Chief Engineer, Minor Irrigation	.....	Member
(e) Chief Engineer, Agriculture Deptt.	.....	Member
(f) Chief Engineer, Public Health Engineering Deptt.	.....	Member
(g) Regional Director, CGWB	.....	Member Secretary
(h) Director, Geology & Mining	.....	Member
(i) Commissioner, Industries & Commerce	.....	Member
(j) Joint Secretary, Urban Development Deptt.	.....	Member

The committee will be involved in the activities related to development and testing of the software developed in respect of the MoA signed between CGWB and IIT, Hyderabad for the "Automation of Estimation of Dynamic Ground Water Resources using GEC-2015 Methodology and Related Research Work to improve GEC Assessment" and thereby assessment of the dynamic ground water resource for the state.

Sd/-

Commissioner & Secretary to the Govt. of Assam
Irrigation Department, Dispur, Guwahati-06.

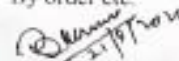
Memo No. IGN(W) 150/2011/99-A

Dated, Dispur, the 21st Sep, 2020.

Copy forwarded to :-

1. The Staff Officer to the Chief Secretary to the Govt. of Assam, Dispur, Guwahati-06 for kind information.
2. P.S to the Hon'ble Minister, Irrigation, Assam for kind appraisal of Hon'ble Minister.
3. P.S to the Addl. Chief Secretary, Irrigation, Assam for kind appraisal of Addl. Chief Secretary.
4. P.A to Commissioner & Secretary, Irrigation, Assam for kind appraisal of Commissioner & Secretary.
5. The Chief Engineer, Irrigation, Assam, Chandmari, Guwahati -3 for kind information.
6. The Chief Engineer, Water Resources Deptt, Assam, Chandmari, Guwahati-3 for kind information.
7. The Chief Engineer, Minor Irrigation, Assam, Chandmari, Guwahati -3 for kind information.
8. The Chief Engineer, Agriculture Deptt, Assam, Khanapara, Guwahati-22 for kind information.
9. The Chief Engineer, Public Health Engineering Deptt, Assam, Hengrabari, Guwahati-36 for kind information.
10. The Regional Director, CGWB, Ministry of Water Resources, NE Region, Bhujal Bhawan, Betkuchi, Guwahati-35 for kind information.
11. The Director, Geology & Mining, Assam, Kahilipara, Guwahati-19 for kind information.
12. The Commissioner, Industries & Commerce, Assam, Udyog Bhawan, Bamunimaidam, Guwahati-21 for kind information.
13. The Joint Secretary, Urban Dev. Deptt, Dispur, Guwahati-06 for kind information.

By order etc.



Under Secretary (W) to the Govt. of Assam
Irrigation Department, Dispur, Guwahati-06

Table 1: Type of Ground Water Assessment Unit And Characteristics Of Ground Water Year

Type of Ground Water Assessment Unit and Characteristics of Ground Water Year		
Name of State / Union Territory		ASSAM
Ground Water Assessment Year		2019-20
1	Predominant type of Aquifer System (Alluvial/ Non Alluvial)	Alluvial
2	Predominant monsoon (South-west/ North-east/ Both)	South-West
3	If predominant monsoon is, 'South – west', The time when it usually commences (late May or early June/ late June or early July)	Late May or Early June
4	Type of Ground Water Assessment Unit (Block / Taluka / Mandal / Firka/ Watershed)	DISTRICT
5	Ground Water Year	March to February
6	Monsoon Season	June to September
7	Non – monsoon Season	October to May
8	Month of Pre – monsoon Monitoring	March
9	Month of Post – monsoon Monitoring	November

Table 2: Location Details and Area Of Ground Water Assessment Unit

Location Details and Area of Ground Water Assessment Unit	
Name of Ground Water Assessment Unit	DISTRICT
Principal Aquifer	ALLUVIUM
Major Aquifer	
Index Number of Ground Water Assessment Unit	1
Ground Water Assessment Year	2016-17
1	Reference number(s) of Survey of India Toposheet (s) of 1:50,000 scale in which the Ground Assessment Unit is located
	78F/14, 78F/15, 78F/16, 78G/13, 78G/14, 78J/1 to 78J/16, 78K/1, 78K/5, 78K/9, 78K/13, 78N/1 to 78N/16, 78O/1, 78O/5, 78O/9, 83B/1 to 83B/16, 83C/1, 83C/2, 83C/5, 83C/6, 83C/9 to 83C/16, 83D/5 to 83D/15, 83E/15, 83E/16, 83F/1 to 83F/16, 83G/1 to 83G/10, 83G/13, 83H/1, 83H/2, 83H/3, 83I/3, 83I/4, 83I/6, 83I/7, 83I/8, 83I/10, 83I/11, 83I/12, 83I/14, 83I/15, 83I/16, 83J/1, 83J/2, 83J/3, 83J/5, 83J/6, 83J/9, 83J/10, 83J/13, 83M/1 to 83M/11, 83M/13, 83M/14, 83M/15 and 83N/1
2	Latitudes within which the Ground Water Assessment Unit is located
	i) Starting
	24°08'00"
	ii) Ending
	27°51'00"
3	Longitudes within which the Ground Water Assessment Unit is located
	i) Starting
	89°42'00"
	ii) Ending
	95°50'00"
4	Total area in hectares of the 'Ground Water Assessment Unit'
	78, 43,757 ha.
5	Area in hectares of the ' Hilly Area '
	96, 1,964 ha.
6	Area in hectares of the portion of the Ground Water Assessment Unit in which ground water recharge is possible [(4) - (5)]
	68, 81,793 ha.
7	Area in hectares of the 'Poor Ground water Quality Area'
	0
8	Quality Hazard (Salinity/ Arsenic/Fluoride/Others)
	No
9	Area in hectares of the ' Command Area '
	2,85,703 ha
10	Area in hectares of the ' Non - command Area '
	65,96,090 ha.

Table 3: General Description of the Ground Water Assessment Unit (As on March, 2020)

Type of Ground Water Assessment Unit	Name of Ground water Assessment Unit	Type of rock formation	Total Geographical Area (in ha.)	Hilly Area (>20% slope)	Recharge worthy area (in ha.)	Ground Water Recharge worthy Area (in ha.)			Shallow water table area (in ha)	Flood Prone (Flood Hazard) Area (in ha)	Bottom of the unconfined aquifer in soft rock areas and depth of weathered zone and/or maximum depth of fractures under unconfined zone (m in bgl)
						Command area	Non-command area	Poor ground water quality area			
1	2	3	4	5	6	7	8	9	10	11	12
District	Baksa	Alluvium	246256	1383	244873	19627.07	124459.1	0		26191	50
District	Barpeta	Alluvium	228200	1145	227055	15092.76	99535.97	0	20143	147591	20
District	Bongaigaon	Alluvium	109300	9570	99730	0	48696.73	0		41605	100
District	Cachar	Alluvium/Tertiary	378600	105242	273358	0	78706.11	0	146600	92772	50
District	Chirang	Alluvium	192300	506	191794	13540.98	96954.23	0		13167	50
District	Darrang	Alluvium	158500	846	157654	0	54323.28	0		116294	50
District	Dhemaji	Alluvium	323700	8544	315156	0	134479.9	0	32390	117417	50
District	Dhubri	Alluvium	217600	3208	214392	0	101977.2	0	945	98753	45
District	Dibrugarh	Alluvium	338100	3412	334688	1870.94	128427.1	0		117234	100
District	Dima Hasao	Alluvium	488800	254500	234300	0	44479.51	0		0	50
District	Goalpara	Alluvium	182400	10417	171983	0	68001.16	0	32840	76987	50
District	Golaghat	Alluvium	350200	2060	348140	0	116484.4	0		104814	30

Type of Ground Water Assessment	Name of Ground water Assessment	Type of rock formation	Total Geographical Area (in ha.)	Hilly Area (>20% slope)	Recharge worthy area (in ha.)	Ground Water Recharge worthy Area (in ha.)			Shallow water table area	Flood Prone (Flood Hazard)	Bottom of the unconfined aquifer in
District	Hailakandi	Alluvium/Tertiary	132700	27719	104981	0	23244.96	0	70700	32661	100
District	Jorhat	Alluvium	285100	5692	279408	19627.07	124459.1	0	144400	121074	50
District	Kamrup	Alluvium	310500	47476	263024	15092.76	99535.97	0	27300	116849	50
District	Karbi Anglong	Alluvium	1043400	387309	656091	0	48696.73	0		0	25
District	Karimganj	Alluvium	180900	13252	167648	0	78706.11	0	124600	51968	50
District	Kokrajhar	Alluvium	329600	2570	327030	13540.98	96954.23	0			30
District	Kamrup Metro (R)	Alluvium	69257	23387	45870	0	54323.28	0	22160	21987	30
District	Kamrup Metro (U)	Alluvium	26200	6158	20042	0	134479.9	0			40
District	Lakhimpur	Alluvium	227700	2770	224930	0	101977.2	0	65730	153527	50
District	Morigaon	Alluvium	155100	6034	149066	1870.94	128427.1	0		107834	60
District	Nagaon	Alluvium	397300	19959	377341	0	44479.51	0	10860	191193	50
District	Nalbari	Alluvium	104644	1014	103630	0	68001.16	0	10850	51737	40
District	Sivasagar	Alluvium	266800	2341	264459	0	116484.4	0		122519	50
District	Sonitpur	Alluvium	520400	7176	513224	0	23244.96	0	88300	160450	70
District	Tinsukia	Alluvium	379000	7243	371757	0	89022.96	0	45290	74345	70
District	Udalguri	Alluvium	201200	1031	200169	0	82821	0	1663	0	30
TOTAL			7843757	961964	6881793	2274.49	173420.1	0	844771	2158969	

Table 4: Population Projection for 2020

Sl.No.	District	Population Details					* Per capita Requirement (lpcd - litres per capita per day)		* Fractional load on ground water Lg		No. of Days	
		* Reference Year	* Population as on Reference Year		* Growth Rate (%)		Rural	Urban	Rural	Urban	Monsoon	Non Monsoon
			Rural	Urban	Rural	Urban						
1	Baksa	2019	1031705	0	1.074	0	60	0	0.92	0	153	212
2	Barpeta	2019	1983977	0	2.143	0	60	0	0.9	0	153	212
3	Bongaigaon	2019	860500	0	2.059	0	60	0	0.92	0	153	212
4	Cachar	2019	2017115	0	2.019	0	60	0	0.91	0	153	212
5	Chirang	2019	525904	0	1.134	0	60	0	0.89	0	153	212
6	Darrang	2019	1093327	0	2.219	0	60	0	0.85	0	153	212
7	Dhemaji	2019	795750	0	1.997	0	60	0	0.81	0	153	212
8	Dhubri	2019	1666727	0	2.444	0	60	0	0.83	0	153	212
9	Dibrugarh	2019	1452814	0	1.192	0	60	0	0.9	0	153	212
10	Dima Hasao	2019	237807	0	1.384	0	60	0	0.82	0	153	212
11	Goalpara	2019	1190785	0	2.264	0	60	0	0.78	0	153	212
12	Golaghat	2019	1175711	0	1.275	0	60	0	0.64	0	153	212
13	Hailakandi	2019	772431	0	2.145	0	60	0	0.46	0	153	212
14	Jorhat	2019	993842	0	0.931	0	60	0	0.76	0	153	212
15	Kamrup	2019	1727570	0	1.73	0	60	0	0.81	0	153	212
16	Kamrup Metro (Rural)	2019	220051	0	0.18	0	60	0	0.46	0	153	212
17	Kamrup Metro (Urban)	2019	1050865	0	0.167	0	135	0	0.66	0	153	212
18	Karbi Anglong	2019	1109609	0	1.869	0	60	0	0.31	0	153	212

Sl.No.	District	Population Details					* Per capita Requirement (lpcd - litres per capita per day)		* Fractional load on ground water Lg		No. of Days	
		* Reference Year	* Population as on Reference Year		* Growth Rate (%)		Rural	Urban	Rural	Urban	Monsoon	Non Monsoon
			Rural	Urban	Rural	Urban						
19	Karimganj	2019	1443952	0	2.19	0	60	0	0.35	0	153	212
20	Kokrajhar	2019	924118	0	0.521	0	60	0	0.27	0	153	212
21	Lakhimpur	2019	1185702	0	1.722	0	60	0	0.83	0	153	212
22	Morigaon	2019	1136193	0	2.334	0	60	0	0.9	0	153	212
23	Nagaon	2019	2225639	0	2.2	0	60	0	0.9	0	153	212
24	Nalbari	2019	845647	0	1.199	0	60	0	0.73	0	153	212
25	Sivasagar	2019	1236476	0	0.937	0	60	0	0.92	0	153	212
26	Sonitpur	2019	2163469	0	1.555	0	60	0	0.94	0	153	212
27	Tinsukia	2019	1492273	0	1.547	0	60	0	0.92	0	153	212
28	Udalguri	2019	895607	0	0.961	0	60	0	0.85	0	153	212

Table 5: Ground Water Extraction for Irrigation - as on March, 2020

Sl.No.	District	No. of Wells	Command	Non Command	Poor Quality	Total
1	Baksa	1517	0	2548.56	0	2548.56
2	Barpeta	14450	0	24276	0	24276
3	Bongaigaon	5967	0	10024.56	0	10024.56
4	Cachar	0	0	0	0	0
5	Chirang	906	0	1522.08	0	1522.08
6	Darrang	9208	0	15469.44	0	15469.44
7	Dhemaji	971	0	1631.28	0	1631.28
8	Dhubri	14030	0	23570.4	0	23570.4
9	Dibrugarh	2911	0	4890.48	0	4890.48
10	Dima Hasao	201	0	337.68	0	337.68
11	Goalpara	5873	0	9866.64	0	9866.64
12	Golaghat	2189	0	3677.52	0	3677.52
13	Hailakandi	3	0	5.04	0	5.04
14	Jorhat	2509	0	4215.12	0	4215.12
15	Kamrup	11991	0	20144.88	0	20144.88
16	Karbi Anglong	204	0	342.72	0	342.72
17	Karimganj	48	0	80.64	0	80.64
18	Kokrajhar	3520	0	5913.6	0	5913.6
19	Kamrup Metro Rural	915	0	1537.2	0	1537.2
20	Kamrup Metro Urban	0	0	0	0	0
21	Lakhimpur	1812	0	3044.16	0	3044.16
22	Morigaon	6415	0	10777.2	0	10777.2
23	Nagaon	16007	0	26891.76	0	26891.76
24	Nalbari	4258	0	7153.44	0	7153.44
25	Sivasagar	1451	0	2437.68	0	2437.68
26	Sonitpur	5126	0	8611.68	0	8611.68
27	Tinsukia	2401	0	4033.68	0	4033.68
28	Udalguri	2659	0	4467.12	0	4467.12
Total		117542	0	197470.6	0	197470.6

**Table 6: Ground Water Extraction for Domestic Use - as on March, 2020
(CONSUMPTIVE METHOD)**

Sl.No.	District	Command	Non Command	Poor Quality	Total
1	Baksa	0	2078.679	0	2078.67923
2	Barpeta	0	3910.419	0	3910.41867
3	Bongaigaon	0	1733.735	0	1733.7354
4	Cachar	0	4019.908	0	4019.90848
5	Chirang	0	1025.039	0	1025.03949
6	Darrang	0	2035.228	0	2035.22821
7	Dhemaji	0	1411.581	0	1411.58093
8	Dhubri	0	3029.61	0	3029.60967
9	Dibrugarh	0	2863.496	0	2863.49639
10	Dima Hasao	0	427.0538	0	427.053811
11	Goalpara	0	2034.099	0	2034.09894
12	Golaghat	0	1647.877	0	1647.87654
13	Hailakandi	0	778.147	0	778.146989
14	Jorhat	0	1654.151	0	1654.15062
15	Kamrup	0	3064.536	0	3064.53642
16	Karbi Anglong	0	753.3136	0	753.31355
17	Karimganj	0	1106.789	0	1106.78921
18	Kokrajhar	0	546.431	0	546.430973
19	Kamrup Metro Rural	0	221.6794	0	221.679377
20	Kamrup Metro Urban	0	3417.571	0	3417.57061
21	Lakhimpur	0	2155.251	0	2155.25053
22	Morigaon	0	2239.436	0	2239.4364
23	Nagaon	0	4386.734	0	4386.73447
24	Nalbari	0	1351.936	0	1351.93586
25	Sivasagar	0	2491.252	0	2491.25184
26	Sonitpur	0	4453.717	0	4453.71728
27	Tinsukia	0	3006.632	0	3006.63164
28	Udalguri	0	1667.172	0	1667.17243
Total		0	59511.47	0	59511.474

Table 7: Ground Water Extraction for Industrial Use- as on March, 2020

Sl.No.	District	Command	Non Command	Poor Quality	Total
1	Baksa	0	2.64	0	2.64
2	Barpeta	0	11.92	0	11.92
3	Bongaigaon	0	0.594	0	0.594
4	Cachar	0	10.559	0	10.559
5	Chirang	0	2.37	0	2.37
6	Darrang	0	12.077	0	12.077
7	Dhemaji	0	4.08	0	4.08
8	Dhubri	0	1.77	0	1.77
9	Dibrugarh	0	32.082	0	32.082
10	Dima Hasao	0	1.18	0	1.18
11	Goalpara	0	8.817	0	8.817
12	Golaghat	0	12.77	0	12.77
13	Hailakandi	0	0	0	0
14	Jorhat	0	3.18	0	3.18
15	Kamrup	0	124.6	0	124.6
16	Karbi Anglong	0	2.66	0	2.66
17	Karimganj	0	0.58	0	0.58
18	Kokrajhar	0	0	0	0
19	Kamrup Metro Rural	0	117.9	0	117.9
20	Kamrup Metro Urban	0	78.96	0	78.96
21	Lakhimpur	0	1.6	0	1.6
22	Morigaon	0	4.88	0	4.88
23	Nagaon	0	31.79	0	31.79
24	Nalbari	0	5.55	0	5.55
25	Sivasagar	0	25.65	0	25.65
26	Sonitpur	0	48.17	0	48.17
27	Tinsukia	0	27.25	0	27.25
28	Udalguri	0	7.78	0	7.78
Total		0	581.409	0	581.409

Table 8: Gross Ground Water Extraction for All Uses (as on March 2020)

Sl.No.	District	Domestic			Industrial			Irrigation			Total			Grand Total
		C	NC	PQ	C	NC	PQ	C	NC	PQ	C	NC	PQ	
1	Baksa	0	2078.679	0	0	2.64		0	2548.56	0	0	4629.88	0	4629.88
2	Barpeta	0	3910.419	0	0	11.92		0	24276	0	0	28198.34	0	28198.34
3	Bongaigaon	0	1733.735	0	0	0.594		0	10024.56	0	0	11758.89	0	11758.89
4	Cachar	0	4019.908	0	0	10.559		0	0	0	0	4030.47	0	4030.47
5	Chirang	0	1025.039	0	0	2.37		0	1522.08	0	0	2549.49	0	2549.49
6	Darrang	0	2035.228	0	0	12.077		0	15469.44	0	0	17516.75	0	17516.75
7	Dhemaji	0	1411.581	0	0	4.08		0	1631.28	0	0	3046.94	0	3046.94
8	Dhubri	0	3029.61	0	0	1.77		0	23570.4	0	0	26601.78	0	26601.78
9	Dibrugarh	0	2863.496	0	0	32.082		0	4890.48	0	0	7786.05	0	7786.05
10	Dima Hasao	0	427.0538	0	0	1.18		0	337.68	0	0	765.91	0	765.91
11	Goalpara	0	2034.099	0	0	8.817		0	9866.64	0	0	11909.56	0	11909.56
12	Golaghat	0	1647.877	0	0	12.77		0	3677.52	0	0	5338.16	0	5338.16
13	Hailakandi	0	778.147	0	0	0		0	5.04	0	0	783.18	0	783.18
14	Jorhat	0	1654.151	0	0	3.18		0	4215.12	0	0	5872.45	0	5872.45
15	Kamrup	0	3064.536	0	0	124.6		0	20144.88	0	0	23334.02	0	23334.02
16	Karbi Anglong	0	753.3136	0	0	2.66		0	342.72	0	0	1098.69	0	1098.69
17	Karimganj	0	1106.789	0	0	0.58		0	80.64	0	0	1188.01	0	1188.01
18	Kokrajhar	0	546.431	0	0	0		0	5913.6	0	0	6460.03	0	6460.03
19	Kamrup Metro Rural	0	221.6794	0	0	117.9		0	1537.2	0	0	1876.78	0	1876.78
20	Kamrup Metro Urban	0	3417.571	0	0	78.96		0	0	0	0	3496.53	0	3496.53
21	Lakhimpur	0	2155.251	0	0	1.6		0	3044.16	0	0	5201.01	0	5201.01
22	Morigaon	0	2239.436	0	0	4.88		0	10777.2	0	0	13021.51	0	13021.51
23	Nagaon	0	4386.734	0	0	31.79		0	26891.76	0	0	31310.28	0	31310.28
24	Nalbari	0	1351.936	0	0	5.55		0	7153.44	0	0	8510.92	0	8510.92
25	Sivasagar	0	2491.252	0	0	25.65		0	2437.68	0	0	4954.58	0	4954.58
26	Sonitpur	0	4453.717	0	0	48.17		0	8611.68	0	0	13113.57	0	13113.57
27	Tinsukia	0	3006.632	0	0	27.25		0	4033.68	0	0	7067.56	0	7067.56
28	Udalguri	0	1667.172	0	0	7.78		0	4467.12	0	0	6142.07	0	6142.07
Total		0	59511.47	0	0	581.409		0	197470.6	0	0	257563.4	0	257563.4

Table 9: Rainfall (in mm)

Sl.No.	District	Command	Non Command	Poor Quality	Total
1	Baksa	3274.6	3274.6	0	3274.6
2	Barpeta	3274.6	3274.6	0	3274.6
3	Bongaigaon	0	3218.7	0	3218.7
4	Cachar	0	2999.2	0	2999.2
5	Chirang	3218.7	3218.7	0	3218.7
6	Darrang	0	1957.8	0	1957.8
7	Dhemaji	0	2859.3	0	2859.3
8	Dhubri	0	2702.6	0	2702.6
9	Dibrugarh	2556.6	2556.6	0	2556.6
10	Dima Hasao	0	1977.5	0	1977.5
11	Goalpara	0	2575.3	0	2575.3
12	Golaghat	0	1680.7	0	1680.7
13	Hailakandi	0	2645.6	0	2645.6
14	Jorhat	0	2083	0	2083
15	Kamrup	0	1813.4	0	1813.4
16	Karbi Anglong	1341	1341	0	1341
17	Karimganj	0	3650.8	0	3650.8
18	Kokrajhar	3772.2	3772.2	0	3772.2
19	Kamrup Metro Rural	0	1813.4	0	1813.4
20	Kamrup Metro Urban	0	1813.4	0	1813.4
21	Lakhimpur	0	2859.3	0	2859.3
22	Morigaon	0	1743.5	0	1743.5
23	Nagaon	1660.1	1660.1	0	1660.1
24	Nalbari	0	2357.1	0	2357.1
25	Sivasagar	0	1811.6	0	1811.6
26	Sonitpur	1978.5	1978.5	0	1978.5
27	Tinsukia	0	2485.3	0	2485.3
28	Udalguri	1957.8	1957.8	0	1957.8
Total		2268.66	2358.58	0	2354.845

Table 10: Recharge from Rainfall, Canals and Surface Water Irrigation

Sl.No.	District	Rainfall Recharge				Canals				Surface Water Irrigation			
		C	NC	PQ	Total	C	NC	PQ	Total	C	NC	PQ	Total
1	Baksa	19627.07	124459.1	0	144086.21	953.25	0	0	953.25	106.14	18.26064	0	124.4
2	Barpeta	15092.76	99535.97	0	114628.73	594.55	0	0	594.55	73.932	56.608	0	130.54
3	Bongaigaon	0	48696.73	0	48696.73	0	0	0	0	0	45.75	0	45.75
4	Cachar	0	78706.11	0	78706.11	0	0	0	0	0	45.75	0	45.75
5	Chirang	13540.98	96954.23	0	110495.21	1721.23	0	0	1721.23	45.75	56.51948	0	102.27
6	Darrang	0	54323.28	0	54323.28	0	0	0	0	0	45.69759	0	45.7
7	Dhemaji	0	134479.9	0	134479.87	0	0	0	0	0	51.24	0	51.24
8	Dhubri	0	101977.2	0	101977.18	0	0	0	0	0	44.36887	0	44.37
9	Dibrugarh	1870.94	128427.1	0	130298.05	57.8	0	0	57.8	0	18.3	0	18.3
10	Dima Hasao	0	44479.51	0	44479.51	0	0	0	0	0	18.3	0	18.3
11	Goalpara	0	68001.16	0	68001.16	0	0	0	0	0	45.75	0	45.75
12	Golaghat	0	116484.4	0	116484.35	0	0	0	0	0	44.30653	0	44.31
13	Hailakandi	0	23244.96	0	23244.96	0	0	0	0	0	45.75	0	45.75
14	Jorhat	0	89022.96	0	89022.96	0	0	0	0	0	34.77	0	34.77
15	Kamrup	0	82821	0	82821	0	0	0	0	0	45.22714	0	45.23
16	Karbi Anglong	2274.49	173420.1	0	175694.57	0	0	0	0	189.6261	144.0497	0	333.68
17	Karimganj	0	61375.26	0	61375.26	0	0	0	0	0	18.3	0	18.3
18	Kokrajhar	3461.51	224767.5	0	228229.01	1765.51	0	0	1765.51	36.6	45.75	0	82.35
19	Kamrup Metro Rural	0	13921.98	0	13921.98	0	0	0	0	0	45.55523	0	45.56
20	Kamrup Metro Urban	0	6413.81	0	6413.81	0	0	0	0	0	0	0	0
21	Lakhimpur	0	95979.63	0	95979.63	0	0	0	0	0	43.554	0	43.55
22	Morigaon	0	38912.99	0	38912.99	0	0	0	0	0	45.75	0	45.75
23	Nagaon	24273.23	91970.19	0	116243.42	1820.89	0	0	1820.89	86.01	45.75	0	131.76
24	Nalbari	0	42990.86	0	42990.86		0	0		0	18.3	0	18.3
25	Sivasagar	0	76429.25	0	76429.25		0	0		0	45.00136	0	45
26	Sonitpur	11188.53	143889	0	155077.57	21.16	0	0	21.16	18.3	45.56069	0	63.86
27	Tinsukia	0	140213.7	0	140213.69	0	0	0	0	0	18.3	0	18.3
28	Udalguri	23854.77	38991.9	0	62846.67	8224.82	0	0	8224.82	112.8434	91.17224	0	204.01
Total		115184.3	2440890	0	2556074.02	15159.21	0	0	15159.21	669.2015	1223.641	0	1892.85

Table 11: Recharge from Surface Water Irrigation, Ground Water Irrigation, Tanks & Ponds

Sl.No.	District	Ground water irrigation				Tanks & Ponds				Water Conservation Structure			
		C	NC	PQ	Total	C	NC	PQ	Total	C	NC	PQ	Total
1	Baksa	0	669	0	669	0	1210.86	0	1210.86	0	0	0	0
2	Barpeta	0	9980.13	0	9980.13	0	1452.09	0	1452.09	0	0	0	0
3	Bongaigaon	0	3840.32	0	3840.32	0	1215.38	0	1215.38	0	0	0	0
4	Cachar	0	0	0	0	0	4760.93	0	4760.93	0	0	0	0
5	Chirang	0	0	0	0	0	593.09	0	593.09	0	0	0	0
6	Darrang	0	6871.01	0	6871.01	0	1408.12	0	1408.12	0	0	0	0
7	Dhemaji	0	543.75	0	543.75	0	447.61	0	447.61	0	0	0	0
8	Dhubri	0	8883.42	0	8883.42	0	1246.65	0	1246.65	0	0	0	0
9	Dibrugarh	0	1630.15	0	1630.15	0	408.3	0	408.3	0	0	0	0
10	Dima Hasao	0	0	0	0	0	435.81	0	435.81	0	0	0	0
11	Goalpara	0	4428.97	0	4428.97	0	1904.92	0	1904.92	0	0	0	0
12	Golaghat	0	1407.16	0	1407.16	0	2264.73	0	2264.73	0	0	0	0
13	Hailakandi	0	0	0	0	0	1787.25	0	1787.25	0	0	0	0
14	Jorhat	0	1512.62	0	1512.62	0	2691.95	0	2691.95	0	0	0	0
15	Kamrup	0	8477.63	0	8477.63	0	2130.24	0	2130.24	0	0	0	0
16	Karbi Anglong	0	154.22	0	154.22	0	491.22	0	491.22	0	0	0	0
17	Karimganj	0	0	0	0	0	1859.15	0	1859.15	0	0	0	0
18	Kokrajhar	0	1108.8	0	1108.8	0	762.85	0	762.85	0	0	0	0
19	Kamrup Metro Rural	0	0	0	0	0	682.18	0	682.18	0	0	0	0
20	Kamrup Metro Urban	0	0	0	0	0	122.53	0	122.53	0	0	0	0
21	Lakhimpur	0	1270.43	0	1270.43	0	4055.58	0	4055.58	0	0	0	0
22	Morigaon	0	4849.74	0	4849.74	0	5591.07	0	5591.07	0	0	0	0
23	Nagaon	0	11969.46	0	11969.46	0	5950.57	0	5950.57	0	0	0	0
24	Nalbari	0	1341.27	0	1341.27	0	1448.5	0	1448.5	0	0	0	0
25	Sivasagar	0	1067.02	0	1067.02	0	2936.76	0	2936.76	0	0	0	0
26	Sonitpur	0	3668.1	0	3668.1	0	3561.04	0	3561.04	0	0	0	0
27	Tinsukia	0	1344.56	0	1344.56	0	4713.29	0	4713.29	0	0	0	0
28	Udalguri	0	837.59	0	837.59	0	193.9	0	193.9	0	0	0	0
Total		0	75855.35	0	75855.35	0	56326.57	0	56326.57	0	0	0	0

Table 12: Pre & Post-Monsoon Water Level Fluctuation

District	Average Pre-monsoon Water Level (March 19)	Average Post-monsoon Water Level (Nov 19)	Fluctuation
	1	2	3=1-2
Baksa	Not enough monitoring well for averaging		
Barpeta	3.63	3.05	0.58
Bongaigaon	3.54	3.27	0.27
Cachar	2.9	1.46	1.44
Chirang	Not enough monitoring well for averaging		
Darrang	3.34	3.89	0.55
Dhemaji	3.49	2.68	0.81
Dhubri	8.39	8.87	0.48
Dibrugarh	4.63	3.19	1.44
Dima Hasao (N.C Hills)	Not monitoring well		
Goalpara	5.03	2.39	2.64
Golaghat	4.68	2.29	2.39
Hailakandi	3.08	1.17	1.91
Jorhat	1.51	0.9	0.61
Kamrup	4.46	2.71	1.75
Kamrup Metro (Rural)	6.59	5.36	1.23
Kamrup Metro (Urban)	3.66	2.03	1.63
Karbi Anglong	4.86	3.0	1.86
Karimganj	1.31	0.83	0.48
Kokrajhar	Not enough monitoring well for averaging		
Lakhimpur	2.9	1.81	1.09
Morigaon	5.06	2.8	2.26
Nagaon	5.32	3.04	2.28
Nalbari	2.98	3.25	0.27
Sivasagar	3.5	1.3	2.20
Sonitpur	3.98	2.81	1.17
Tinsukia	3.91	2.75	1.16
Udalguri	4.46	3.41	0.26

Table 13: Evaporation & Transpiration Loss

Sl.No.	District	Evaporation				Transpiration				Total Loss			
		C	NC	PQ	Total	C	NC	PQ	Total	C	NC	PQ	Total
1	Baksa	0	0	0	0	0	5190.51	0	5190.51	0	-5190.51	0	5190.51
2	Barpeta	0	0	0	0	0	981.1	0	981.1	0	-981.1	0	-981.1
3	Bongaigaon	0	0	0	0	0	660	0	660	0	-660	0	-660
4	Cachar	0	0	0	0	0	34717.8	0	34717.8	0	-34717.8	0	34717.8
5	Chirang	0	0	0	0	0	294.11	0	294.11	0	-294.11	0	-294.11
6	Darrang	0	5602.03	0	5602.03	0	3188.12	0	3188.12	0	-8790.15	0	8790.15
7	Dhemaji	0	296.96	0	296.96	0	17902.3	0	17902.3	0	-18199.3	0	18199.3
8	Dhubri	0	0	0	0	0	0	0	0	0	0	0	0
9	Dibrugarh	0	954.5	0	954.5	0	13562.4	0	13562.4	0	-14516.9	0	14516.9
10	Dima Hasao	0	0	0	0	0	0	0	0	0	0	0	0
11	Goalpara	0	0	0	0	0	6178.49	0	6178.49	0	-6178.49	0	6178.49
12	Golaghat	0	0	0	0	0	4876.94	0	4876.94	0	-4876.94	0	4876.94
13	Hailakandi	0	3968.19	0	3968.19	0	5746.52	0	5746.52	0	-9714.71	0	9714.71
14	Jorhat	0	227.37	0	227.37	0	18254.5	0	18254.5	0	-18481.9	0	18481.9
15	Kamrup	0	0	0	0	0	6609.48	0	6609.48	0	-6609.48	0	6609.48
16	Karbi Anglong	0	0	0	0	0	2653.6	0	2653.6	0	-2653.6	0	-2653.6
17	Karimganj	0	0	0	0	0	9565.18	0	9565.18	0	-9565.18	0	9565.18
18	Kokrajhar	0	36.22	0	36.22	0	112.32	0	112.32	0	-148.54	0	-148.54

19	Kamrup Metro Rural	0	0	0	0	0	2546.9	0	2546.9	0	-2546.9	0	-2546.9
20	Kamrup Metro Urban	0	102.7	0	102.7	0	0	0	0	0	-102.7	0	-102.7
21	Lakhimpur	0	0	0	0	0	36614.1	0	36614.1	0	-36614.1	0	36614.1
22	Morigaon	0	0	0	0	0	869.23	0	869.23	0	-869.23	0	-869.23
23	Nagaon	0	0	0	0	0	5667.58	0	5667.58	0	-5667.58	0	5667.58
24	Nalbari	0	0	0	0	0	2515.72	0	2515.72	0	-2515.72	0	2515.72
25	Sivasagar	0	73.22	0	73.22	0	10915.5	0	10915.5	0	-10988.7	0	10988.7
26	Sonitpur	0	0	0	0	0	23772.4	0	23772.4	0	-23772.4	0	23772.4
27	Tinsukia	0	0	0	0	0	15961.4	0	15961.4	0	-15961.4	0	15961.4
28	Udalguri	0	0	0	0	0	16570	0	16570	0	-16570	0	-16570
Total		0	11261.2	0	11261.2	0	245926	0	245926	0	-32531.4	0	32531.4

Table 14: Stage of Ground Water Extraction

Sl.No.	District	Extraction In %
1	Baksa	3.64
2	Barpeta	24.93
3	Bongaigaon	24.62
4	Cachar	9.97
5	Chirang	2.52
6	Darrang	36.81
7	Dhemaji	2.94
8	Dhubri	26.35
9	Dibrugarh	7.44
10	Dima Hasao	1.89
11	Goalpara	18.47
12	Golaghat	5.17
13	Hailakandi	6.09
14	Jorhat	8.97
15	Kamrup	28.39
16	Karbi Anglong	0.70
17	Karimganj	2.51
18	Kokrajhar	3.10
19	Kamrup Metro Rural	16.51
20	Kamrup Metro Urban	57.26
21	Lakhimpur	9.53
22	Morigaon	29.87
23	Nagaon	25.59
24	Nalbari	21.99
25	Sivasagar	7.57
26	Sonitpur	10.72
27	Tinsukia	6.11
28	Udalguri	12.66
	State	11.73

Table 15: Allocation of Ground Water for Domestic Utilisation & Availability for Future Use

Sl.No.	District	Domestic Utilisation for projected year 2025 (ham)				Net Annual Ground Water Availability for Future Use (ham)			
		C	NC	PQ	Total	C	NC	PQ	Total
1	Baksa	0	2226.4	0	2226.4	18617.8	103753	0	122371
2	Barpeta	0	4461.22	0	4461.22	14185.1	70192.1	0	84377.2
3	Bongaigaon	0	1968.2	0	1968.2	0	35765	0	35765
4	Cachar	0	4552.83	0	4552.83	0	35880.4	0	35880.4
5	Chirang	0	1101.8	0	1101.8	13777.2	84923.1	0	98700.3
6	Darrang	0	2332.28	0	2332.28	0	29779.4	0	29779.4
7	Dhemaji	0	1596.65	0	1596.65	0	100539	0	100539
8	Dhubri	0	3517.91	0	3517.91	0	73846.4	0	73846.4
9	Dibrugarh	0	3088.53	0	3088.53	1735.87	94907.5	0	96643.3
10	Dima Hasao	0	465.88	0	465.88	0	39635.5	0	39635.5
11	Goalpara	0	2337.15	0	2337.15	0	52270.7	0	52270.7
12	Golaghat	0	1786.15	0	1786.15	0	97827.1	0	97827.1
13	Hailakandi	0	887.86	0	887.86	0	11962.6	0	11962.6
14	Jorhat	0	1756.71	0	1756.71	0	59479.2	0	59479.2
15	Kamrup	0	3412.23	0	3412.23	0	58509.2	0	58509.2
16	Karbi Anglong	0	840.17	0	840.17	2217.7	152949	0	155167
17	Karimganj	0	1266.18	0	1266.18	0	46014.9	0	46014.9
18	Kokrajhar	0	566.31	0	566.31	4737.26	197388	0	202125
19	Kamrup Metro Rural	0	225.11	0	225.11	0	9490.12	0	9490.12
20	Kamrup Metro Urban	0	3467.72	0	3467.72	0	2560.14	0	2560.14
21	Lakhimpur	0	2398.64	0	2398.64	0	49155.8	0	49155.8
22	Morigaon	0	2583.67	0	2583.67	0	30224.6	0	30224.6
23	Nagaon	0	5021.4	0	5021.4	23562.1	66826.7	0	90388.8
24	Nalbari	0	1458.79	0	1458.79	0	30085.5	0	30085.5
25	Sivasagar	0	2647.76	0	2647.76	0	60354.4	0	60354.4
26	Sonitpur	0	4908.05	0	4908.05	10105.2	98707.1	0	108812
27	Tinsukia	0	3311.78	0	3311.78	0	108327	0	108327
28	Udalguri	0	1773.7	0	1773.7	28973.2	13284.5	0	42257.7
	State	0	65961.08	0	65961.08	117911.4	1814638	0	1932549

Annexure I:

"Basic Data" input sheet for ASSAM, for year 2019-2020

S. No	Location Code	District	Assessment Unit	*Total Geographical Area (ha)	*Hilly Area (ha)	*Total Recharge Worthy Area (ha)				Static/In-Storage Unconfined Ground Water Resources		If Assessment Unit is Urban					
						*Command	*Non Command	*Poor Quality	Total	Bottom of the Unconfined aquifer (m)	Specific Yield in Static/In-Storage zone	Command		Non Command		Poor Quality	
												Paved	Un Paved	Paved	Un Paved	Paved	Un Paved
1	AS01010	Assam	Baksa	246256	1383	33356	211517	0	244873	50	0.16						
2	AS02010	Assam	Barpeta	228200	1145	25650	201405	0	227055	30	0.12						
3	AS03010	Assam	Bongaigaon	109300	9570	0	99730	0	99730	50	0.12						
4	AS04010	Assam	Cachar	378600	105242	0	273358	0	273358	50	0.03						
5	AS05010	Assam	Chirang	192300	506	23504	168290	0	191794	50	0.16						
6	AS06010	Assam	Darrang	158500	846	0	157654	0	157654	70	0.12						
7	AS07010	Assam	Dhemaji	323700	8544	0	315156	0	315156	100	0.12						
8	AS08010	Assam	Dhubri	217600	3208	0	214392	0	214392	30	0.12						
9	AS09010	Assam	Dibrugarh	338100	3412	4158	330530	0	334688	100	0.12						
10	AS10010	Assam	Dima Hasao	488800	254500	0	234300	0	234300	50	0.03						
11	AS11010	Assam	Goalpara	182400	10417	0	171983	0	171983	50	0.12						
12	AS12010	Assam	Golaghat	350200	2060	0	348140	0	348140	25	0.12						
13	AS13010	Assam	Hailakandi	132700	27719	0	104981	0	104981	50	0.03						
14	AS14010	Assam	Jorhat	285100	5692	0	279408	0	279408	60	0.12						

S. No	Location Code	District	Assessment Unit	*Total Geographical Area (ha)	*Hilly Area (ha)	*Total Recharge Worthy Area (ha)				Static/In-Storage Unconfined Ground Water Resources		If Assessment Unit is Urban					
						*Command	*Non Command	*Poor Quality	Total	Bottom of the Unconfined aquifer (m)	Specific Yield in Static/In-Storage zone	Command		Non Command		Poor Quality	
												Paved	Un Paved	Paved	Un Paved	Paved	Un Paved
15	AS17010	Assam	Kamrup Metro Rural	69257	23387	0	45870	0	45870	50	0.12						
16	AS16010	Assam	Kamrup Metro Urban	26200	6158	0	20042	0	20042	50	0.12						
17	AS15010	Assam	Kamrup	310500	47476	0	263024	0	263024	50	0.12						
18	AS18010	Assam	Karbi Anglong	1043400	387309	9637	646454	0	656091	30	0.12						
19	AS19010	Assam	Karimganj	180900	13252	0	167648	0	167648	50	0.03						
20	AS20010	Assam	Kokrajhar	329600	2570	4960	322070	0	327030	40	0.12						
21	AS21010	Assam	Lakhimpur	227700	2770	0	224930	0	224930	20	0.12						
22	AS22010	Assam	Morigaon	155100	6034	0	149066	0	149066	70	0.12						
23	AS23010	Assam	Nagaon	397300	19959	83077	294264	0	377341	30	0.12						
24	AS24010	Assam	Nalbari	104644	1014	0	103630	0	103630	50	0.12						
25	AS25010	Assam	Sivasagar	266800	2341	0	264459	0	264459	40	0.12						
26	AS26010	Assam	Sonitpur	520400	7176	32131	481093	0	513224	100	0.12						
27	AS27010	Assam	Tinsukia	379000	7243	0	371757	0	371757	45	0.12						
28	AS28010	Assam	Udalguri	201200	1031	69230	130939	0	200169	50	0.16						

Annexure II:

Domestic Extraction : "Domestic (Consumptive Use)" input sheet for ASSAM, for year 2019-2020

Location Code	District	Assessment Unit	Non Command												
			Population Details						* Per capita Requirement (lpcd - litres per capita per day)		* Fractional load on ground water Lg		No. of Days		
			* Reference Year	* Population as on Reference Year		* Growth Rate (%)		Rural	Urban	Rural	Urban	Rural	Urban	Monsoon	Non Monsoon
				Rural	Urban	Rural	Urban								
AS01010	Assam	Baksa	2019	1031705	0	1.074	0	60	0	0.92	0	153	212		
AS02010	Assam	Barpeta	2019	1983977	0	2.143	0	60	0	0.9	0	153	212		
AS03010	Assam	Bongaigaon	2019	860500	0	2.059	0	60	0	0.92	0	153	212		
AS04010	Assam	Cachar	2019	2017115	0	2.019	0	60	0	0.91	0	153	212		
AS05010	Assam	Chirang	2019	525904	0	1.134	0	60	0	0.89	0	153	212		
AS06010	Assam	Darrang	2019	1093327	0	2.219	0	60	0	0.85	0	153	212		
AS07010	Assam	Dhemaji	2019	795750	0	1.997	0	60	0	0.81	0	153	212		
AS08010	Assam	Dhubri	2019	1666727	0	2.444	0	60	0	0.83	0	153	212		
AS09010	Assam	Dibrugarh	2019	1452814	0	1.192	0	60	0	0.9	0	153	212		
AS10010	Assam	Dima Hasao	2019	237807	0	1.384	0	60	0	0.82	0	153	212		
AS11010	Assam	Goalpara	2019	1190785	0	2.264	0	60	0	0.78	0	153	212		
AS12010	Assam	Golaghat	2019	1175711	0	1.275	0	60	0	0.64	0	153	212		
AS13010	Assam	Hailakandi	2019	772431	0	2.145	0	60	0	0.46	0	153	212		
AS14010	Assam	Jorhat	2019	993842	0	0.931	0	60	0	0.76	0	153	212		
AS17010	Assam	Kamrup Metro Rural	2019	220051	0	0.18	0	60	0	0.46	0	153	212		
AS16010	Assam	Kamrup Metro Urban	2019	1050865	0	0.167	0	135	0	0.66	0	153	212		
AS15010	Assam	Kamrup	2019	1727570	0	1.73	0	60	0	0.81	0	153	212		
AS18010	Assam	Karbi Anglong	2019	1109609	0	1.758	0	60	0	0.31	0	153	212		
AS19010	Assam	Karimganj	2019	1443952	0	2.19	0	60	0	0.35	0	153	212		
AS20010	Assam	Kokrajhar	2019	924118	0	0.521	0	60	0	0.27	0	153	212		

Location Code	District	Assessment Unit	Non Command										
			Population Details					* Per capita Requirement (lpcd - litres per capita per day)		* Fractional load on ground water Lg		No. of Days	
			* Reference Year	* Population as on Reference Year		* Growth Rate (%)		Rural	Urban	Rural	Urban	Monsoon	Non Monsoon
	Rural	Urban	Rural	Urban	Rural	Urban	Rural	Urban					
AS21010	Assam	Lakhimpur	2019	1185702	0	1.722	0	60	0	0.83	0	153	212
AS22010	Assam	Morigaon	2019	1136193	0	2.334	0	60	0	0.9	0	153	212
AS23010	Assam	Nagaon	2019	2225639	0	2.2	0	60	0	0.9	0	153	212
AS24010	Assam	Nalbari	2019	845647	0	1.199	0	60	0	0.73	0	153	212
AS25010	Assam	Sivasagar	2019	1236476	0	0.944	0	60	0	0.92	0	153	212
AS26010	Assam	Sonitpur	2019	2163469	0	1.555	0	60	0	0.94	0	153	212
AS27010	Assam	Tinsukia	2019	1492273	0	1.547	0	60	0	0.92	0	153	212
AS28010	Assam	Udalguri	2019	895607	0	0.961	0	60	0	0.85	0	153	212

Annexure III:

Industrial Extraction : "Industrial (Unit Draft)" input sheet for ASSAM, ASSAM for year 2019-2020

S. No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	* Type of Industries	* Type of Structure	* No. of wells in assessment year	Actual No. of wells in use	* Estimated draft per well (ha.m)	
									Mon soon	Non-Mon soon
1	AS01010	Assam	Baksa	Command	0	0	0	0	0	0
2	AS01010	Assam	Baksa	Non Command	Food & Beverages	TW	4	4	0.27	0.39
3	AS01010	Assam	Baksa	Poor Quality	0	0	0	0	0	0
4	AS02010	Assam	Barpeta	Command	0	0	0	0	0	0
5	AS02010	Assam	Barpeta	Non Command	Food & Beverages	TW	4	4	1.2	1.78
6	AS02010	Assam	Barpeta	Poor Quality	0	0	0	0	0	0
7	AS03010	Assam	Bongaigaon	Command	0	0	0	0	0	0
8	AS03010	Assam	Bongaigaon	Non Command	Food & Beverages	TW	1	1	0.246	0.348
9	AS03010	Assam	Bongaigaon	Poor Quality	0	0	0	0	0	0
10	AS04010	Assam	Cachar	Command	0	0	0	0	0	0
11	AS04010	Assam	Cachar	Non Command	Food & Beverages	TW	7	7	0.57	0.807
12	AS04010	Assam	Cachar	Non Command	Agro Based Products	TW	1	1	0.05	0.078
13	AS04010	Assam	Cachar	Non Command	Petroleum Products	TW	8	8	0.04	0.059
14	AS04010	Assam	Cachar	Poor Quality	0	0	0	0	0	0
15	AS05010	Assam	Chirang	Command	0	0	0	0	0	0
16	AS05010	Assam	Chirang	Non Command	Food & Beverages	TW	1	1	0.98	1.39
17	AS05010	Assam	Chirang	Poor Quality	0	0	0	0	0	0
18	AS06010	Assam	Darrang	Command	0	0	0	0	0	0
19	AS06010	Assam	Darrang	Non Command	Food & Beverages	TW	8	8	0.61	0.87
20	AS06010	Assam	Darrang	Non Command	Agro Based Products	TW	1	1	0.098	0.139
21	AS06010	Assam	Darrang	Poor Quality	0	0	0	0	0	0
22	AS07010	Assam	Dhemaji	Command	0	0	0	0	0	0

S. No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	* Type of Industries	* Type of Structure	* No. of wells in assessment year	Actual No. of wells in use	* Estimated draft per well (ha.m)	
									Mon soon	Non-Mon soon
23	AS07010	Assam	Dhemaji	Non Command	Food & Beverages	TW	3	3	0.56	0.8
24	AS07010	Assam	Dhemaji	Poor Quality	0	0	0	0	0	0
25	AS08010	Assam	Dhubri	Command	0	0	0	0	0	0
26	AS08010	Assam	Dhubri	Non Command	Food & Beverages	TW	1	1	0.73	1.04
27	AS08010	Assam	Dhubri	Poor Quality	0	0	0	0	0	0
28	AS09010	Assam	Dibrugarh	Command	0	0	0	0	0	0
29	AS09010	Assam	Dibrugarh	Non Command	Food & Beverages	TW	8	8	0.278	0.4
30	AS09010	Assam	Dibrugarh	Non Command	Agro Based Products	TW	7	7	0.12	0.174
31	AS09010	Assam	Dibrugarh	Non Command	Strategic Mineral Ores	TW	1	1	0.73	1.05
32	AS09010	Assam	Dibrugarh	Non Command	Petroleum Products	TW	7	7	1.33	1.93
33	AS09010	Assam	Dibrugarh	Poor Quality	0	0	0	0	0	0
34	AS10010	Assam	Dima Hasao	Command	0	0	0	0	0	0
35	AS10010	Assam	Dima Hasao	Non Command	Food & Beverages	TW	1	1	0.49	0.69
36	AS10010	Assam	Dima Hasao	Poor Quality	0	0	0	0	0	0
37	AS11010	Assam	Goalpara	Command	0	0	0	0	0	0
38	AS11010	Assam	Goalpara	Non Command	Food & Beverages	TW	4	4	0.25	0.36
39	AS11010	Assam	Goalpara	Non Command	Others	TW	2	2	0.62	0.91
40	AS11010	Assam	Goalpara	Non Command	Battery Manufature	TW	2	2	0.66	0.94
41	AS11010	Assam	Goalpara	Non Command	Petroleum Products	TW	3	3	0.01	0.029
42	AS11010	Assam	Goalpara	Poor Quality	0	0	0	0	0	0
43	AS12010	Assam	Golaghat	Command	0	0	0	0	0	0
44	AS12010	Assam	Golaghat	Non Command	Food & Beverages	TW	5	5	0.37	0.53
45	AS12010	Assam	Golaghat	Non Command	Agro Based Products	TW	8	8	0.28	0.41
46	AS12010	Assam	Golaghat	Non Command	Petroleum Products	TW	10	10	0.09	0.185

S. No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	* Type of Industries	* Type of Structure	* No. of wells in assessment year	Actual No. of wells in use	* Estimated draft per well (ha.m)	
									Mon soon	Non-Mon soon
47	AS12010	Assam	Golaghat	Poor Quality	0	0	0	0	0	0
48	AS13010	Assam	Hailakandi	Command	0	0	0	0	0	0
49	AS13010	Assam	Hailakandi	Non Command	Food & Beverages	TW	0	0	0	0
50	AS13010	Assam	Hailakandi	Poor Quality	0	0	0	0	0	0
51	AS14010	Assam	Jorhat	Command	0	0	0	0	0	0
52	AS14010	Assam	Jorhat	Non Command	Food & Beverages	TW	6	6	0.14	0.21
53	AS14010	Assam	Jorhat	Non Command	Agro Based Products	TW	5	5	0.078	0.11
54	AS14010	Assam	Jorhat	Non Command	Others	TW	1	1	0.06	0.08
55	AS14010	Assam	Jorhat	Poor Quality	0	0	0	0	0	0
56	AS17010	Assam	Kamrup Metro Rural	Command	0	0	0	0	0	0
57	AS17010	Assam	Kamrup Metro Rural	Non Command	Food & Beverages	TW	30	30	0.58	0.83
58	AS17010	Assam	Kamrup Metro Rural	Non Command	Agro Based Products	TW	4	4	0.67	0.95
59	AS17010	Assam	Kamrup Metro Rural	Non Command	Others	TW	15	15	1.9	2.7
60	AS17010	Assam	Kamrup Metro Rural	Non Command	Petroleum Products	TW	3	3	0.02	0.02
61	AS17010	Assam	Kamrup Metro Rural	Poor Quality	0	0	0	0	0	0
62	AS16010	Assam	Kamrup Metro Urban	Command	0	0	0	0	0	0
63	AS16010	Assam	Kamrup Metro Urban	Non Command	Infrastructures	TW	47	47	0.56	1.12
64	AS16010	Assam	Kamrup Metro Urban	Poor Quality	0	0	0	0	0	0
65	AS15010	Assam	Kamrup	Command	0	0	0	0	0	0
66	AS15010	Assam	Kamrup	Non Command	Food & Beverages	TW	35	35	0.68	0.96
67	AS15010	Assam	Kamrup	Non Command	Others	TW	30	30	0.94	1.3
68	AS15010	Assam	Kamrup	Poor Quality	0	0	0	0	0	0
69	AS18010	Assam	Karbi Anglong	Command	0	0	0	0	0	0

S. No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	* Type of Industries	* Type of Structure	* No. of wells in assessment year	Actual No. of wells in use	* Estimated draft per well (ha.m)	
									Mon soon	Non-Mon soon
70	AS18010	Assam	Karbi Anglong	Non Command	Food & Beverages	TW	2	2	0.55	0.78
71	AS18010	Assam	Karbi Anglong	Poor Quality	0	0	0	0	0	0
72	AS19010	Assam	Karimganj	Command	0	0	0	0	0	0
73	AS19010	Assam	Karimganj	Non Command	Food & Beverages	TW	1	1	0.24	0.34
74	AS19010	Assam	Karimganj	Poor Quality	0	0	0	0	0	0
75	AS20010	Assam	Kokrajhar	Command	0	0	0	0	0	0
76	AS20010	Assam	Kokrajhar	Non Command	Food & Beverages	TW	0	0	0	0
77	AS20010	Assam	Kokrajhar	Poor Quality	0	0	0	0	0	0
78	AS21010	Assam	Lakhimpur	Command	0	0	0	0	0	0
79	AS21010	Assam	Lakhimpur	Non Command	Food & Beverages	TW	2	2	0.33	0.47
80	AS21010	Assam	Lakhimpur	Poor Quality	0	0	0	0	0	0
81	AS22010	Assam	Morigaon	Command	0	0	0	0	0	0
82	AS22010	Assam	Morigaon	Non Command	Food & Beverages	TW	4	4	0.39	0.55
83	AS22010	Assam	Morigaon	Non Command	Others	TW	1	1	0.46	0.66
84	AS22010	Assam	Morigaon	Poor Quality	0	0	0	0	0	0
85	AS23010	Assam	Nagaon	Command	0	0	0	0	0	0
86	AS23010	Assam	Nagaon	Non Command	Food & Beverages	TW	8	8	0.47	0.67
87	AS23010	Assam	Nagaon	Non Command	Agro Based Products	TW	2	2	0.12	0.17
88	AS23010	Assam	Nagaon	Non Command	Others	TW	7	7	1.3	1.8
89	AS23010	Assam	Nagaon	Non Command	Petroleum Products	TW	3	3	0.05	0.08
90	AS23010	Assam	Nagaon	Poor Quality	0	0	0	0	0	0
91	AS24010	Assam	Nalbari	Command	0	0	0	0	0	0
92	AS24010	Assam	Nalbari	Non Command	Food & Beverages	TW	5	5	0.46	0.65
93	AS24010	Assam	Nalbari	Poor Quality	0	0	0	0	0	0
94	AS25010	Assam	Sivasagar	Command	0	0	0	0	0	0

S. No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	* Type of Industries	* Type of Structure	* No. of wells in assessment year	Actual No. of wells in use	* Estimated draft per well (ha.m)	
									Mon soon	Non-Mon soon
95	AS25010	Assam	Sivasagar	Non Command	Food & Beverages	TW	7	7	0.2	0.28
96	AS25010	Assam	Sivasagar	Non Command	Agro Based Products	TW	5	5	0.11	0.15
97	AS25010	Assam	Sivasagar	Non Command	Others	TW	1	1	0.74	1.05
98	AS25010	Assam	Sivasagar	Non Command	Petroleum Products	TW	4	4	2	2.8
99	AS25010	Assam	Sivasagar	Poor Quality	0	0	0	0	0	0
100	AS26010	Assam	Sonitpur	Command	0	0	0	0	0	0
101	AS26010	Assam	Sonitpur	Non Command	Food & Beverages	TW	4	4	2.19	3.1
102	AS26010	Assam	Sonitpur	Non Command	Agro Based Products	TW	1	1	0.14	0.21
103	AS26010	Assam	Sonitpur	Non Command	Others	TW	4	4	2.6	3.8
104	AS26010	Assam	Sonitpur	Non Command	Petroleum Products	TW	2	2	0.03	0.5
105	AS26010	Assam	Sonitpur	Poor Quality	0	0	0	0	0	0
106	AS27010	Assam	Tinsukia	Command	0	0	0	0	0	0
107	AS27010	Assam	Tinsukia	Non Command	Food & Beverages	TW	12	12	0.83	1.18
108	AS27010	Assam	Tinsukia	Non Command	Agro Based Products	TW	2	2	0.04	0.06
109	AS27010	Assam	Tinsukia	Non Command	Others	TW	1	1	0.74	1.05
110	AS27010	Assam	Tinsukia	Non Command	Petroleum Products	TW	6	6	0.08	0.11
111	AS27010	Assam	Tinsukia	Poor Quality	0	0	0	0	0	0
112	AS28010	Assam	Udalguri	Command	0	0	0	0	0	0
113	AS28010	Assam	Udalguri	Non Command	Food & Beverages	TW	1	1	2.9	4.2
114	AS28010	Assam	Udalguri	Non Command	Agro Based Products	TW	4	4	0.07	0.1
115	AS28010	Assam	Udalguri	Poor Quality	0	0	0	0	0	0

Irrigation Draft: "Irrigation (Unit Draft)" input sheet for ASSAM, ASSAM for year 2019-2020

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	* Type of Structure	* No. of wells in assessment year	Actual No. of wells in use	* Estimated draft per well (ha.m)	
								Monsoon	Non-Monsoon
1	AS01010	Assam	Baksa	Command	0	0	0	0	0
2	AS01010	Assam	Baksa	Non Command	TW	1517	1517	0.7	0.98
3	AS01010	Assam	Baksa	Poor Quality	0	0	0	0	0
4	AS02010	Assam	Barpeta	Command	0	0	0	0	0
5	AS02010	Assam	Barpeta	Non Command	TW	14450	14450	0.7	0.98
6	AS02010	Assam	Barpeta	Poor Quality	0	0	0	0	0
7	AS03010	Assam	Bongaigaon	Command	0	0	0	0	0
8	AS03010	Assam	Bongaigaon	Non Command	TW	5967	5967	0.7	0.98
9	AS03010	Assam	Bongaigaon	Poor Quality	0	0	0	0	0
10	AS04010	Assam	Cachar	Command	0	0	0	0	0
11	AS04010	Assam	Cachar	Non Command	TW	0	0	0.7	0.98
12	AS04010	Assam	Cachar	Poor Quality	0	0	0	0	0
13	AS05010	Assam	Chirang	Command	0	0	0	0	0
14	AS05010	Assam	Chirang	Non Command	TW	906	906	0.7	0.98
15	AS05010	Assam	Chirang	Poor Quality	0	0	0	0	0
16	AS06010	Assam	Darrang	Command	0	0	0	0	0
17	AS06010	Assam	Darrang	Non Command	TW	9208	9208	0.7	0.98
18	AS06010	Assam	Darrang	Poor Quality	0	0	0	0	0
19	AS07010	Assam	Dhemaji	Command	0	0	0	0	0
20	AS07010	Assam	Dhemaji	Non Command	TW	971	971	0.7	0.98
21	AS07010	Assam	Dhemaji	Poor Quality	0	0	0	0	0
22	AS08010	Assam	Dhubri	Command	0	0	0	0	0
23	AS08010	Assam	Dhubri	Non Command	TW	14030	14030	0.7	0.98
24	AS08010	Assam	Dhubri	Poor Quality	0	0	0	0	0

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	* Type of Structure	* No. of wells in assessment year	Actual No. of wells in use	* Estimated draft per well (ha.m)	
								Monsoon	Non-Monsoon
25	AS09010	Assam	Dibrugarh	Command	0	0	0	0	0
26	AS09010	Assam	Dibrugarh	Non Command	TW	2911	2911	0.7	0.98
27	AS09010	Assam	Dibrugarh	Poor Quality	0	0	0	0	0
28	AS10010	Assam	Dima Hasao	Command	0	0	0	0	0
29	AS10010	Assam	Dima Hasao	Non Command	TW	201	201	0.7	0.98
30	AS10010	Assam	Dima Hasao	Poor Quality	0	0	0	0	0
31	AS11010	Assam	Goalpara	Command	0	0	0	0	0
32	AS11010	Assam	Goalpara	Non Command	TW	5873	5873	0.7	0.98
33	AS11010	Assam	Goalpara	Poor Quality	0	0	0	0	0
34	AS12010	Assam	Golaghat	Command	0	0	0	0	0
35	AS12010	Assam	Golaghat	Non Command	TW	2189	2189	0.7	0.98
36	AS12010	Assam	Golaghat	Poor Quality	0	0	0	0	0
37	AS13010	Assam	Hailakandi	Command	0	0	0	0	0
38	AS13010	Assam	Hailakandi	Non Command	TW	3	3	0.7	0.98
39	AS13010	Assam	Hailakandi	Poor Quality	0	0	0	0	0
40	AS14010	Assam	Jorhat	Command	0	0	0	0	0
41	AS14010	Assam	Jorhat	Non Command	TW	2509	2509	0.7	0.98
42	AS14010	Assam	Jorhat	Poor Quality	0	0	0	0	0
43	AS17010	Assam	Kamrup Metro Rural	Command	0	0	0	0	0
44	AS17010	Assam	Kamrup Metro Rural	Non Command	TW	915	915	0.7	0.98
45	AS17010	Assam	Kamrup Metro Rural	Poor Quality	0	0	0	0	0
46	AS16010	Assam	Kamrup Metro Urban	Command	0	0	0	0	0
47	AS16010	Assam	Kamrup Metro Urban	Non Command	TW	0	0	0.7	0.98
48	AS16010	Assam	Kamrup Metro Urban	Poor Quality	0	0	0	0	0

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	* Type of Structure	* No. of wells in assessment year	Actual No. of wells in use	* Estimated draft per well (ha.m)	
								Monsoon	Non-Monsoon
49	AS15010	Assam	Kamrup	Command	0	0	0	0	0
50	AS15010	Assam	Kamrup	Non Command	TW	11991	11991	0.7	0.98
51	AS15010	Assam	Kamrup	Poor Quality	0	0	0	0	0
52	AS18010	Assam	Karbi Anglong	Command	0	0	0	0	0
53	AS18010	Assam	Karbi Anglong	Non Command	TW	204	204	0.7	0.98
54	AS18010	Assam	Karbi Anglong	Poor Quality	0	0	0	0	0
55	AS19010	Assam	Karimganj	Command	0	0	0	0	0
56	AS19010	Assam	Karimganj	Non Command	TW	48	48	0.7	0.98
57	AS19010	Assam	Karimganj	Poor Quality	0	0	0	0	0
58	AS20010	Assam	Kokrajhar	Command	0	0	0	0	0
59	AS20010	Assam	Kokrajhar	Non Command	TW	3520	3520	0.7	0.98
60	AS20010	Assam	Kokrajhar	Poor Quality	0	0	0	0	0
61	AS21010	Assam	Lakhimpur	Command	0	0	0	0	0
62	AS21010	Assam	Lakhimpur	Non Command	TW	1812	1812	0.7	0.98
63	AS21010	Assam	Lakhimpur	Poor Quality	0	0	0	0	0
64	AS22010	Assam	Morigaon	Command	0	0	0	0	0
65	AS22010	Assam	Morigaon	Non Command	TW	6415	6415	0.7	0.98
66	AS22010	Assam	Morigaon	Poor Quality	0	0	0	0	0
67	AS23010	Assam	Nagaon	Command	0	0	0	0	0
68	AS23010	Assam	Nagaon	Non Command	TW	16007	16007	0.7	0.98
69	AS23010	Assam	Nagaon	Poor Quality	0	0	0	0	0
70	AS24010	Assam	Nalbari	Command	0	0	0	0	0
71	AS24010	Assam	Nalbari	Non Command	TW	4258	4258	0.7	0.98
72	AS24010	Assam	Nalbari	Poor Quality	0	0	0	0	0
73	AS25010	Assam	Sivasagar	Command	0	0	0	0	0
74	AS25010	Assam	Sivasagar	Non Command	TW	1451	1451	0.7	0.98

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	* Type of Structure	* No. of wells in assessment year	Actual No. of wells in use	* Estimated draft per well (ha.m)	
								Monsoon	Non-Monsoon
75	AS25010	Assam	Sivasagar	Poor Quality	0	0	0	0	0
76	AS26010	Assam	Sonitpur	Command	0	0	0	0	0
77	AS26010	Assam	Sonitpur	Non Command	TW	5126	5126	0.7	0.98
78	AS26010	Assam	Sonitpur	Poor Quality	0	0	0	0	0
79	AS27010	Assam	Tinsukia	Command	0	0	0	0	0
80	AS27010	Assam	Tinsukia	Non Command	TW	2401	2401	0.7	0.98
81	AS27010	Assam	Tinsukia	Poor Quality	0	0	0	0	0
82	AS28010	Assam	Udalguri	Command	0	0	0	0	0
83	AS28010	Assam	Udalguri	Non Command	TW	2659	2659	0.7	0.98
84	AS28010	Assam	Udalguri	Poor Quality	0	0	0	0	0

Annexure V:

Ground Water Level : "Ground Water Well - Assessment Unit Level" input sheet for ASSAM,
ASSAM for year 2019-2020

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	* Year	Level (m)	
						*Pre-monsoon	*Post-Monsoon
1	AS01010	Assam	Baksa	Command	2015	0.0	0.0
2	AS01010	Assam	Baksa	Non Command	2015	0.0	0.0
3	AS01010	Assam	Baksa	Poor Quality	2015	0.0	0.0
4	AS01010	Assam	Baksa	Command	2016	0.0	0.0
5	AS01010	Assam	Baksa	Non Command	2016	0.0	0.0
6	AS01010	Assam	Baksa	Poor Quality	2016	0.0	0.0
7	AS01010	Assam	Baksa	Command	2017	0.0	0.0
8	AS01010	Assam	Baksa	Non Command	2017	0.0	0.0
9	AS01010	Assam	Baksa	Poor Quality	2017	0.0	0.0
10	AS01010	Assam	Baksa	Command	2018	0.0	0.0
11	AS01010	Assam	Baksa	Non Command	2018	0.0	0.0
12	AS01010	Assam	Baksa	Poor Quality	2018	0.0	0.0
13	AS01010	Assam	Baksa	Command	2019	0.0	0.0
14	AS01010	Assam	Baksa	Non Command	2019	0.0	0.0
15	AS01010	Assam	Baksa	Poor Quality	2019	0.0	0.0
16	AS02010	Assam	Barpeta	Command	2015	0.0	0.0
17	AS02010	Assam	Barpeta	Non Command	2015	3.48	1.84
18	AS02010	Assam	Barpeta	Poor Quality	2015	0.0	0.0
19	AS02010	Assam	Barpeta	Command	2016	0.0	0.0
20	AS02010	Assam	Barpeta	Non Command	2016	4.64	3.21
21	AS02010	Assam	Barpeta	Poor Quality	2016	0.0	0.0
22	AS02010	Assam	Barpeta	Command	2017	0.0	0.0
23	AS02010	Assam	Barpeta	Non Command	2017	4.57	1.56
24	AS02010	Assam	Barpeta	Poor Quality	2017	0.0	0.0
25	AS02010	Assam	Barpeta	Command	2018	0.0	0.0
26	AS02010	Assam	Barpeta	Non Command	2018	3.71	2.03
27	AS02010	Assam	Barpeta	Poor Quality	2018	0.0	0.0
28	AS02010	Assam	Barpeta	Command	2019	0.0	0.0
29	AS02010	Assam	Barpeta	Non Command	2019	3.63	3.05
30	AS02010	Assam	Barpeta	Poor Quality	2019	0.0	0.0
31	AS03010	Assam	Bongaigaon	Command	2015	0.0	0.0
32	AS03010	Assam	Bongaigaon	Non Command	2015	4.37	2.57
33	AS03010	Assam	Bongaigaon	Poor Quality	2015	0.0	0.0
34	AS03010	Assam	Bongaigaon	Command	2016	0.0	0.0
35	AS03010	Assam	Bongaigaon	Non Command	2016	4.55	3.27
36	AS03010	Assam	Bongaigaon	Poor Quality	2016	0.0	0.0
37	AS03010	Assam	Bongaigaon	Command	2017	0.0	0.0
38	AS03010	Assam	Bongaigaon	Non Command	2017	4.35	2.32

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	* Year	Level (m)	
						*Pre-monsoon	*Post-Monsoon
39	AS03010	Assam	Bongaigaon	Poor Quality	2017	0.0	0.0
40	AS03010	Assam	Bongaigaon	Command	2018	0.0	0.0
41	AS03010	Assam	Bongaigaon	Non Command	2018	3.54	3.5
42	AS03010	Assam	Bongaigaon	Poor Quality	2018	0.0	0.0
43	AS03010	Assam	Bongaigaon	Command	2019	0.0	0.0
44	AS03010	Assam	Bongaigaon	Non Command	2019	3.54	3.27
45	AS03010	Assam	Bongaigaon	Poor Quality	2019	0.0	0.0
46	AS04010	Assam	Cachar	Command	2015	0.0	0.0
47	AS04010	Assam	Cachar	Non Command	2015	3.58	1.1
48	AS04010	Assam	Cachar	Poor Quality	2015	0.0	0.0
49	AS04010	Assam	Cachar	Command	2016	0.0	0.0
50	AS04010	Assam	Cachar	Non Command	2016	2.75	1.15
51	AS04010	Assam	Cachar	Poor Quality	2016	0.0	0.0
52	AS04010	Assam	Cachar	Command	2017	0.0	0.0
53	AS04010	Assam	Cachar	Non Command	2017	2.82	1.0
54	AS04010	Assam	Cachar	Poor Quality	2017	0.0	0.0
55	AS04010	Assam	Cachar	Command	2018	0.0	0.0
56	AS04010	Assam	Cachar	Non Command	2018	1.38	1.17
57	AS04010	Assam	Cachar	Poor Quality	2018	0.0	0.0
58	AS04010	Assam	Cachar	Command	2019	0.0	0.0
59	AS04010	Assam	Cachar	Non Command	2019	2.9	1.46
60	AS04010	Assam	Cachar	Poor Quality	2019	0.0	0.0
61	AS05010	Assam	Chirang	Command	2015	0.0	0.0
62	AS05010	Assam	Chirang	Non Command	2015	0.0	0.0
63	AS05010	Assam	Chirang	Poor Quality	2015	0.0	0.0
64	AS05010	Assam	Chirang	Command	2016	0.0	0.0
65	AS05010	Assam	Chirang	Non Command	2016	0.0	0.0
66	AS05010	Assam	Chirang	Poor Quality	2016	0.0	0.0
67	AS05010	Assam	Chirang	Command	2017	0.0	0.0
68	AS05010	Assam	Chirang	Non Command	2017	0.0	0.0
69	AS05010	Assam	Chirang	Poor Quality	2017	0.0	0.0
70	AS05010	Assam	Chirang	Command	2018	0.0	0.0
71	AS05010	Assam	Chirang	Non Command	2018	0.0	0.0
72	AS05010	Assam	Chirang	Poor Quality	2018	0.0	0.0
73	AS05010	Assam	Chirang	Command	2019	0.0	0.0
74	AS05010	Assam	Chirang	Non Command	2019	0.0	0.0
75	AS05010	Assam	Chirang	Poor Quality	2019	0.0	0.0
76	AS06010	Assam	Darrang	Command	2015	0.0	0.0
77	AS06010	Assam	Darrang	Non Command	2015	4.33	3.16
78	AS06010	Assam	Darrang	Poor Quality	2015	0.0	0.0
79	AS06010	Assam	Darrang	Command	2016	0.0	0.0
80	AS06010	Assam	Darrang	Non Command	2016	5.86	7.04
81	AS06010	Assam	Darrang	Poor Quality	2016	0.0	0.0

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	* Year	Level (m)	
						*Pre-monsoon	*Post-Monsoon
82	AS06010	Assam	Darrang	Command	2017	0.0	0.0
83	AS06010	Assam	Darrang	Non Command	2017	5.08	2.66
84	AS06010	Assam	Darrang	Poor Quality	2017	0.0	0.0
85	AS06010	Assam	Darrang	Command	2018	0.0	0.0
86	AS06010	Assam	Darrang	Non Command	2018	4.85	3.61
87	AS06010	Assam	Darrang	Poor Quality	2018	0.0	0.0
88	AS06010	Assam	Darrang	Command	2019	0.0	0.0
89	AS06010	Assam	Darrang	Non Command	2019	3.34	3.89
90	AS06010	Assam	Darrang	Poor Quality	2019	0.0	0.0
91	AS07010	Assam	Dhemaji	Command	2015	0.0	0.0
92	AS07010	Assam	Dhemaji	Non Command	2015	3.46	2.35
93	AS07010	Assam	Dhemaji	Poor Quality	2015	0.0	0.0
94	AS07010	Assam	Dhemaji	Command	2016	0.0	0.0
95	AS07010	Assam	Dhemaji	Non Command	2016	3.23	2.0
96	AS07010	Assam	Dhemaji	Poor Quality	2016	0.0	0.0
97	AS07010	Assam	Dhemaji	Command	2017	0.0	0.0
98	AS07010	Assam	Dhemaji	Non Command	2017	3.41	1.96
99	AS07010	Assam	Dhemaji	Poor Quality	2017	0.0	0.0
100	AS07010	Assam	Dhemaji	Command	2018	0.0	0.0
101	AS07010	Assam	Dhemaji	Non Command	2018	3.25	2.47
102	AS07010	Assam	Dhemaji	Poor Quality	2018	0.0	0.0
103	AS07010	Assam	Dhemaji	Command	2019	0.0	0.0
104	AS07010	Assam	Dhemaji	Non Command	2019	3.49	2.68
105	AS07010	Assam	Dhemaji	Poor Quality	2019	0.0	0.0
106	AS08010	Assam	Dhubri	Command	2015	0.0	0.0
107	AS08010	Assam	Dhubri	Non Command	2015	7.15	8.85
108	AS08010	Assam	Dhubri	Poor Quality	2015	0.0	0.0
109	AS08010	Assam	Dhubri	Command	2016	0.0	0.0
110	AS08010	Assam	Dhubri	Non Command	2016	9.07	6.98
111	AS08010	Assam	Dhubri	Poor Quality	2016	0.0	0.0
112	AS08010	Assam	Dhubri	Command	2017	0.0	0.0
113	AS08010	Assam	Dhubri	Non Command	2017	7.04	5.83
114	AS08010	Assam	Dhubri	Poor Quality	2017	0.0	0.0
115	AS08010	Assam	Dhubri	Command	2018	0.0	0.0
116	AS08010	Assam	Dhubri	Non Command	2018	8.13	7.47
117	AS08010	Assam	Dhubri	Poor Quality	2018	0.0	0.0
118	AS08010	Assam	Dhubri	Command	2019	0.0	0.0
119	AS08010	Assam	Dhubri	Non Command	2019	8.39	8.87
120	AS08010	Assam	Dhubri	Poor Quality	2019	0.0	0.0
121	AS09010	Assam	Dibrugarh	Command	2015	0.0	0.0
122	AS09010	Assam	Dibrugarh	Non Command	2015	4.29	2.98
123	AS09010	Assam	Dibrugarh	Poor Quality	2015	0.0	0.0
124	AS09010	Assam	Dibrugarh	Command	2016	0.0	0.0

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	* Year	Level (m)	
						*Pre-monsoon	*Post-Monsoon
125	AS09010	Assam	Dibrugarh	Non Command	2016	3.94	3.15
126	AS09010	Assam	Dibrugarh	Poor Quality	2016	0.0	0.0
127	AS09010	Assam	Dibrugarh	Command	2017	0.0	0.0
128	AS09010	Assam	Dibrugarh	Non Command	2017	4.09	2.48
129	AS09010	Assam	Dibrugarh	Poor Quality	2017	0.0	0.0
130	AS09010	Assam	Dibrugarh	Command	2018	0.0	0.0
131	AS09010	Assam	Dibrugarh	Non Command	2018	3.7	3.07
132	AS09010	Assam	Dibrugarh	Poor Quality	2018	0.0	0.0
133	AS09010	Assam	Dibrugarh	Command	2019	0.0	0.0
134	AS09010	Assam	Dibrugarh	Non Command	2019	4.63	3.19
135	AS09010	Assam	Dibrugarh	Poor Quality	2019	0.0	0.0
136	AS10010	Assam	Dima Hasao	Command	2019	0.0	0.0
137	AS10010	Assam	Dima Hasao	Non Command	2019	0.0	0.0
138	AS10010	Assam	Dima Hasao	Poor Quality	2019	0.0	0.0
139	AS11010	Assam	Goalpara	Command	2015	0.0	0.0
140	AS11010	Assam	Goalpara	Non Command	2015	4.13	2.67
141	AS11010	Assam	Goalpara	Poor Quality	2015	0.0	0.0
142	AS11010	Assam	Goalpara	Command	2016	0.0	0.0
143	AS11010	Assam	Goalpara	Non Command	2016	4.33	2.17
144	AS11010	Assam	Goalpara	Poor Quality	2016	0.0	0.0
145	AS11010	Assam	Goalpara	Command	2017	0.0	0.0
146	AS11010	Assam	Goalpara	Non Command	2017	4.53	2.21
147	AS11010	Assam	Goalpara	Poor Quality	2017	0.0	0.0
148	AS11010	Assam	Goalpara	Command	2018	0.0	0.0
149	AS11010	Assam	Goalpara	Non Command	2018	4.35	2.23
150	AS11010	Assam	Goalpara	Poor Quality	2018	0.0	0.0
151	AS11010	Assam	Goalpara	Command	2019	0.0	0.0
152	AS11010	Assam	Goalpara	Non Command	2019	5.03	2.39
153	AS11010	Assam	Goalpara	Poor Quality	2019	0.0	0.0
154	AS12010	Assam	Golaghat	Command	2015	0.0	0.0
155	AS12010	Assam	Golaghat	Non Command	2015	6.05	3.2
156	AS12010	Assam	Golaghat	Poor Quality	2015	0.0	0.0
157	AS12010	Assam	Golaghat	Command	2016	0.0	0.0
158	AS12010	Assam	Golaghat	Non Command	2016	4.57	3.39
159	AS12010	Assam	Golaghat	Poor Quality	2016	0.0	0.0
160	AS12010	Assam	Golaghat	Command	2017	0.0	0.0
161	AS12010	Assam	Golaghat	Non Command	2017	6.65	3.68
162	AS12010	Assam	Golaghat	Poor Quality	2017	0.0	0.0
163	AS12010	Assam	Golaghat	Command	2018	0.0	0.0
164	AS12010	Assam	Golaghat	Non Command	2018	4.03	3.39
165	AS12010	Assam	Golaghat	Poor Quality	2018	0.0	0.0
166	AS12010	Assam	Golaghat	Command	2019	0.0	0.0
167	AS12010	Assam	Golaghat	Non Command	2019	4.68	2.29

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	* Year	Level (m)	
						*Pre-monsoon	*Post-Monsoon
168	AS12010	Assam	Golaghat	Poor Quality	2019	0.0	0.0
169	AS13010	Assam	Hailakandi	Command	2015	0.0	0.0
170	AS13010	Assam	Hailakandi	Non Command	2015	2.48	0.68
171	AS13010	Assam	Hailakandi	Poor Quality	2015	0.0	0.0
172	AS13010	Assam	Hailakandi	Command	2016	0.0	0.0
173	AS13010	Assam	Hailakandi	Non Command	2016	2.97	0.81
174	AS13010	Assam	Hailakandi	Poor Quality	2016	0.0	0.0
175	AS13010	Assam	Hailakandi	Command	2017	0.0	0.0
176	AS13010	Assam	Hailakandi	Non Command	2017	2.97	0.52
177	AS13010	Assam	Hailakandi	Poor Quality	2017	0.0	0.0
178	AS13010	Assam	Hailakandi	Command	2018	0.0	0.0
179	AS13010	Assam	Hailakandi	Non Command	2018	1.43	1.18
180	AS13010	Assam	Hailakandi	Poor Quality	2018	0.0	0.0
181	AS13010	Assam	Hailakandi	Command	2019	0.0	0.0
182	AS13010	Assam	Hailakandi	Non Command	2019	3.08	1.17
183	AS13010	Assam	Hailakandi	Poor Quality	2019	0.0	0.0
184	AS14010	Assam	Jorhat	Command	2015	0.0	0.0
185	AS14010	Assam	Jorhat	Non Command	2015	2.73	1.2
186	AS14010	Assam	Jorhat	Poor Quality	2015	0.0	0.0
187	AS14010	Assam	Jorhat	Command	2016	0.0	0.0
188	AS14010	Assam	Jorhat	Non Command	2016	1.7	1.11
189	AS14010	Assam	Jorhat	Poor Quality	2016	0.0	0.0
190	AS14010	Assam	Jorhat	Command	2017	0.0	0.0
191	AS14010	Assam	Jorhat	Non Command	2017	2.46	1.67
192	AS14010	Assam	Jorhat	Poor Quality	2017	0.0	0.0
193	AS14010	Assam	Jorhat	Command	2018	0.0	0.0
194	AS14010	Assam	Jorhat	Non Command	2018	4.08	3.42
195	AS14010	Assam	Jorhat	Poor Quality	2018	0.0	0.0
196	AS14010	Assam	Jorhat	Command	2019	0.0	0.0
197	AS14010	Assam	Jorhat	Non Command	2019	1.51	0.9
198	AS14010	Assam	Jorhat	Poor Quality	2019	0.0	0.0
199	AS15010	Assam	Kamrup	Command	2015	0.0	0.0
200	AS15010	Assam	Kamrup	Non Command	2015	3.69	2.39
201	AS15010	Assam	Kamrup	Poor Quality	2015	0.0	0.0
202	AS15010	Assam	Kamrup	Command	2016	0.0	0.0
203	AS15010	Assam	Kamrup	Non Command	2016	4.34	2.88
204	AS15010	Assam	Kamrup	Poor Quality	2016	0.0	0.0
205	AS15010	Assam	Kamrup	Command	2017	0.0	0.0
206	AS15010	Assam	Kamrup	Non Command	2017	4.44	2.05
207	AS15010	Assam	Kamrup	Poor Quality	2017	0.0	0.0
208	AS15010	Assam	Kamrup	Command	2018	0.0	0.0
209	AS15010	Assam	Kamrup	Non Command	2018	3.98	2.65
210	AS15010	Assam	Kamrup	Poor Quality	2018	0.0	0.0

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	* Year	Level (m)	
						*Pre-monsoon	*Post-Monsoon
211	AS15010	Assam	Kamrup	Command	2019	0.0	0.0
212	AS15010	Assam	Kamrup	Non Command	2019	4.46	2.71
213	AS15010	Assam	Kamrup	Poor Quality	2019	0.0	0.0
214	AS18010	Assam	Karbi Anglong	Command	2015	0.0	0.0
215	AS18010	Assam	Karbi Anglong	Non Command	2015	5.4	3.77
216	AS18010	Assam	Karbi Anglong	Poor Quality	2015	0.0	0.0
217	AS18010	Assam	Karbi Anglong	Command	2016	0.0	0.0
218	AS18010	Assam	Karbi Anglong	Non Command	2016	5.96	3.81
219	AS18010	Assam	Karbi Anglong	Poor Quality	2016	0.0	0.0
220	AS18010	Assam	Karbi Anglong	Command	2017	0.0	0.0
221	AS18010	Assam	Karbi Anglong	Non Command	2017	5.67	4.25
222	AS18010	Assam	Karbi Anglong	Poor Quality	2017	0.0	0.0
223	AS18010	Assam	Karbi Anglong	Command	2018	0.0	0.0
224	AS18010	Assam	Karbi Anglong	Non Command	2018	4.86	4.49
225	AS18010	Assam	Karbi Anglong	Poor Quality	2018	0.0	0.0
226	AS18010	Assam	Karbi Anglong	Command	2019	0.0	0.0
227	AS18010	Assam	Karbi Anglong	Non Command	2019	4.86	3.0
228	AS18010	Assam	Karbi Anglong	Poor Quality	2019	0.0	0.0
229	AS19010	Assam	Karimganj	Command	2015	0.0	0.0
230	AS19010	Assam	Karimganj	Non Command	2015	2.21	0.6
231	AS19010	Assam	Karimganj	Poor Quality	2015	0.0	0.0
232	AS19010	Assam	Karimganj	Command	2016	0.0	0.0
233	AS19010	Assam	Karimganj	Non Command	2016	1.42	0.55
234	AS19010	Assam	Karimganj	Poor Quality	2016	0.0	0.0
235	AS19010	Assam	Karimganj	Command	2017	0.0	0.0
236	AS19010	Assam	Karimganj	Non Command	2017	1.45	0.59
237	AS19010	Assam	Karimganj	Poor Quality	2017	0.0	0.0
238	AS19010	Assam	Karimganj	Command	2018	0.0	0.0
239	AS19010	Assam	Karimganj	Non Command	2018	0.85	0.59
240	AS19010	Assam	Karimganj	Poor Quality	2018	0.0	0.0
241	AS19010	Assam	Karimganj	Command	2019	0.0	0.0
242	AS19010	Assam	Karimganj	Non Command	2019	1.31	0.83
243	AS19010	Assam	Karimganj	Poor Quality	2019	0.0	0.0
244	AS20010	Assam	Kokrajhar	Command	2015	0.0	0.0
245	AS20010	Assam	Kokrajhar	Non Command	2015	0.0	0.0
246	AS20010	Assam	Kokrajhar	Poor Quality	2015	0.0	0.0
247	AS20010	Assam	Kokrajhar	Command	2016	0.0	0.0
248	AS20010	Assam	Kokrajhar	Non Command	2016	0.0	0.0
249	AS20010	Assam	Kokrajhar	Poor Quality	2016	0.0	0.0
250	AS20010	Assam	Kokrajhar	Command	2017	0.0	0.0
251	AS20010	Assam	Kokrajhar	Non Command	2017	0.0	0.0
252	AS20010	Assam	Kokrajhar	Poor Quality	2017	0.0	0.0
253	AS20010	Assam	Kokrajhar	Command	2018	0.0	0.0

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	* Year	Level (m)	
						*Pre-monsoon	*Post-Monsoon
254	AS20010	Assam	Kokrajhar	Non Command	2018	0.0	0.0
255	AS20010	Assam	Kokrajhar	Poor Quality	2018	0.0	0.0
256	AS20010	Assam	Kokrajhar	Command	2019	0.0	0.0
257	AS20010	Assam	Kokrajhar	Non Command	2019	0.0	0.0
258	AS20010	Assam	Kokrajhar	Poor Quality	2019	0.0	0.0
259	AS17010	Assam	Kamrup Metro Rural	Command	2015	0.0	0.0
260	AS17010	Assam	Kamrup Metro Rural	Non Command	2015	6.59	3.3
261	AS17010	Assam	Kamrup Metro Rural	Poor Quality	2015	0.0	0.0
262	AS17010	Assam	Kamrup Metro Rural	Command	2016	0.0	0.0
263	AS17010	Assam	Kamrup Metro Rural	Non Command	2016	5.63	4.26
264	AS17010	Assam	Kamrup Metro Rural	Poor Quality	2016	0.0	0.0
265	AS17010	Assam	Kamrup Metro Rural	Command	2017	0.0	0.0
266	AS17010	Assam	Kamrup Metro Rural	Non Command	2017	6.35	3.26
267	AS17010	Assam	Kamrup Metro Rural	Poor Quality	2017	0.0	0.0
268	AS17010	Assam	Kamrup Metro Rural	Command	2018	0.0	0.0
269	AS17010	Assam	Kamrup Metro Rural	Non Command	2018	5.73	4.89
270	AS17010	Assam	Kamrup Metro Rural	Poor Quality	2018	0.0	0.0
271	AS17010	Assam	Kamrup Metro Rural	Command	2019	0.0	0.0
272	AS17010	Assam	Kamrup Metro Rural	Non Command	2019	6.59	5.36
273	AS17010	Assam	Kamrup Metro Rural	Poor Quality	2019	0.0	0.0
274	AS16010	Assam	Kamrup Metro Urban	Command	2015	0.0	0.0
275	AS16010	Assam	Kamrup Metro Urban	Non Command	2015	2.74	2.1
276	AS16010	Assam	Kamrup Metro Urban	Poor Quality	2015	0.0	0.0
277	AS16010	Assam	Kamrup Metro Urban	Command	2016	0.0	0.0
278	AS16010	Assam	Kamrup Metro Urban	Non Command	2016	3.09	2.19
279	AS16010	Assam	Kamrup Metro Urban	Poor Quality	2016	0.0	0.0
280	AS16010	Assam	Kamrup Metro Urban	Command	2017	0.0	0.0
281	AS16010	Assam	Kamrup Metro Urban	Non Command	2017	3.8	2.07
282	AS16010	Assam	Kamrup Metro Urban	Poor Quality	2017	0.0	0.0
283	AS16010	Assam	Kamrup Metro Urban	Command	2018	0.0	0.0
284	AS16010	Assam	Kamrup Metro Urban	Non Command	2018	3.11	1.64
285	AS16010	Assam	Kamrup Metro Urban	Poor Quality	2018	0.0	0.0
286	AS16010	Assam	Kamrup Metro Urban	Command	2019	0.0	0.0
287	AS16010	Assam	Kamrup Metro Urban	Non Command	2019	3.66	2.03
288	AS16010	Assam	Kamrup Metro Urban	Poor Quality	2019	0.0	0.0
289	AS21010	Assam	Lakhimpur	Command	2015	0.0	0.0
290	AS21010	Assam	Lakhimpur	Non Command	2015	3.21	2.15
291	AS21010	Assam	Lakhimpur	Poor Quality	2015	0.0	0.0
292	AS21010	Assam	Lakhimpur	Command	2016	0.0	0.0
293	AS21010	Assam	Lakhimpur	Non Command	2016	3.04	1.88
294	AS21010	Assam	Lakhimpur	Poor Quality	2016	0.0	0.0
295	AS21010	Assam	Lakhimpur	Command	2017	0.0	0.0
296	AS21010	Assam	Lakhimpur	Non Command	2017	3.04	1.49

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	* Year	Level (m)	
						*Pre-monsoon	*Post-Monsoon
297	AS21010	Assam	Lakhimpur	Poor Quality	2017	0.0	0.0
298	AS21010	Assam	Lakhimpur	Command	2018	0.0	0.0
299	AS21010	Assam	Lakhimpur	Non Command	2018	2.77	1.72
300	AS21010	Assam	Lakhimpur	Poor Quality	2018	0.0	0.0
301	AS21010	Assam	Lakhimpur	Command	2019	0.0	0.0
302	AS21010	Assam	Lakhimpur	Non Command	2019	2.9	1.81
303	AS21010	Assam	Lakhimpur	Poor Quality	2019	0.0	0.0
304	AS22010	Assam	Morigaon	Command	2015	0.0	0.0
305	AS22010	Assam	Morigaon	Non Command	2015	3.59	3.21
306	AS22010	Assam	Morigaon	Poor Quality	2015	0.0	0.0
307	AS22010	Assam	Morigaon	Command	2016	0.0	0.0
308	AS22010	Assam	Morigaon	Non Command	2016	4.44	3.22
309	AS22010	Assam	Morigaon	Poor Quality	2016	0.0	0.0
310	AS22010	Assam	Morigaon	Command	2017	0.0	0.0
311	AS22010	Assam	Morigaon	Non Command	2017	5.26	2.99
312	AS22010	Assam	Morigaon	Poor Quality	2017	0.0	0.0
313	AS22010	Assam	Morigaon	Command	2018	0.0	0.0
314	AS22010	Assam	Morigaon	Non Command	2018	3.79	2.29
315	AS22010	Assam	Morigaon	Poor Quality	2018	0.0	0.0
316	AS22010	Assam	Morigaon	Command	2019	0.0	0.0
317	AS22010	Assam	Morigaon	Non Command	2019	5.06	2.8
318	AS22010	Assam	Morigaon	Poor Quality	2019	0.0	0.0
319	AS23010	Assam	Nagaon	Command	2015	0.0	0.0
320	AS23010	Assam	Nagaon	Non Command	2015	4.27	3.98
321	AS23010	Assam	Nagaon	Poor Quality	2015	0.0	0.0
322	AS23010	Assam	Nagaon	Command	2016	0.0	0.0
323	AS23010	Assam	Nagaon	Non Command	2016	5.53	4.12
324	AS23010	Assam	Nagaon	Poor Quality	2016	0.0	0.0
325	AS23010	Assam	Nagaon	Command	2017	0.0	0.0
326	AS23010	Assam	Nagaon	Non Command	2017	5.03	3.15
327	AS23010	Assam	Nagaon	Poor Quality	2017	0.0	0.0
328	AS23010	Assam	Nagaon	Command	2018	0.0	0.0
329	AS23010	Assam	Nagaon	Non Command	2018	4.8	2.56
330	AS23010	Assam	Nagaon	Poor Quality	2018	0.0	0.0
331	AS23010	Assam	Nagaon	Command	2019	0.0	0.0
332	AS23010	Assam	Nagaon	Non Command	2019	5.32	3.04
333	AS23010	Assam	Nagaon	Poor Quality	2019	0.0	0.0
334	AS24010	Assam	Nalbari	Command	2015	0.0	0.0
335	AS24010	Assam	Nalbari	Non Command	2015	3.94	0.63
336	AS24010	Assam	Nalbari	Poor Quality	2015	0.0	0.0
337	AS24010	Assam	Nalbari	Command	2016	0.0	0.0
338	AS24010	Assam	Nalbari	Non Command	2016	5.0	2.6
339	AS24010	Assam	Nalbari	Poor Quality	2016	0.0	0.0

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	* Year	Level (m)	
						*Pre-monsoon	*Post-Monsoon
340	AS24010	Assam	Nalbari	Command	2017	0.0	0.0
341	AS24010	Assam	Nalbari	Non Command	2017	4.15	2.34
342	AS24010	Assam	Nalbari	Poor Quality	2017	0.0	0.0
343	AS24010	Assam	Nalbari	Command	2018	0.0	0.0
344	AS24010	Assam	Nalbari	Non Command	2018	3.64	3.06
345	AS24010	Assam	Nalbari	Poor Quality	2018	0.0	0.0
346	AS24010	Assam	Nalbari	Command	2019	0.0	0.0
347	AS24010	Assam	Nalbari	Non Command	2019	2.98	3.25
348	AS24010	Assam	Nalbari	Poor Quality	2019	0.0	0.0
349	AS25010	Assam	Sivasagar	Command	2015	0.0	0.0
350	AS25010	Assam	Sivasagar	Non Command	2015	3.81	2.27
351	AS25010	Assam	Sivasagar	Poor Quality	2015	0.0	0.0
352	AS25010	Assam	Sivasagar	Command	2016	0.0	0.0
353	AS25010	Assam	Sivasagar	Non Command	2016	2.99	2.05
354	AS25010	Assam	Sivasagar	Poor Quality	2016	0.0	0.0
355	AS25010	Assam	Sivasagar	Command	2017	0.0	0.0
356	AS25010	Assam	Sivasagar	Non Command	2017	4.49	2.27
357	AS25010	Assam	Sivasagar	Poor Quality	2017	0.0	0.0
358	AS25010	Assam	Sivasagar	Command	2018	0.0	0.0
359	AS25010	Assam	Sivasagar	Non Command	2018	4.24	2.52
360	AS25010	Assam	Sivasagar	Poor Quality	2018	0.0	0.0
361	AS25010	Assam	Sivasagar	Command	2019	0.0	0.0
362	AS25010	Assam	Sivasagar	Non Command	2019	3.5	1.3
363	AS25010	Assam	Sivasagar	Poor Quality	2019	0.0	0.0
364	AS26010	Assam	Sonitpur	Command	2015	0.0	0.0
365	AS26010	Assam	Sonitpur	Non Command	2015	4.0	2.39
366	AS26010	Assam	Sonitpur	Poor Quality	2015	0.0	0.0
367	AS26010	Assam	Sonitpur	Command	2016	0.0	0.0
368	AS26010	Assam	Sonitpur	Non Command	2016	3.52	2.41
369	AS26010	Assam	Sonitpur	Poor Quality	2016	0.0	0.0
370	AS26010	Assam	Sonitpur	Command	2017	0.0	0.0
371	AS26010	Assam	Sonitpur	Non Command	2017	3.96	2.64
372	AS26010	Assam	Sonitpur	Poor Quality	2017	0.0	0.0
373	AS26010	Assam	Sonitpur	Command	2018	0.0	0.0
374	AS26010	Assam	Sonitpur	Non Command	2018	4.14	2.83
375	AS26010	Assam	Sonitpur	Poor Quality	2018	0.0	0.0
376	AS26010	Assam	Sonitpur	Command	2019	0.0	0.0
377	AS26010	Assam	Sonitpur	Non Command	2019	3.98	2.81
378	AS26010	Assam	Sonitpur	Poor Quality	2019	0.0	0.0
379	AS27010	Assam	Tinsukia	Command	2015	0.0	0.0
380	AS27010	Assam	Tinsukia	Non Command	2015	4.11	2.49
381	AS27010	Assam	Tinsukia	Poor Quality	2015	0.0	0.0
382	AS27010	Assam	Tinsukia	Command	2016	0.0	0.0

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	* Year	Level (m)	
						*Pre-monsoon	*Post-Monsoon
383	AS27010	Assam	Tinsukia	Non Command	2016	3.32	3.05
384	AS27010	Assam	Tinsukia	Poor Quality	2016	0.0	0.0
385	AS27010	Assam	Tinsukia	Command	2017	0.0	0.0
386	AS27010	Assam	Tinsukia	Non Command	2017	2.98	2.47
387	AS27010	Assam	Tinsukia	Poor Quality	2017	0.0	0.0
388	AS27010	Assam	Tinsukia	Command	2018	0.0	0.0
389	AS27010	Assam	Tinsukia	Non Command	2018	3.11	2.51
390	AS27010	Assam	Tinsukia	Poor Quality	2018	0.0	0.0
391	AS27010	Assam	Tinsukia	Command	2019	0.0	0.0
392	AS27010	Assam	Tinsukia	Non Command	2019	3.91	2.75
393	AS27010	Assam	Tinsukia	Poor Quality	2019	0.0	0.0
394	AS28010	Assam	Udalguri	Command	2015	0.0	0.0
395	AS28010	Assam	Udalguri	Non Command	2015	3.14	2.56
396	AS28010	Assam	Udalguri	Poor Quality	2015	0.0	0.0
397	AS28010	Assam	Udalguri	Command	2016	0.0	0.0
398	AS28010	Assam	Udalguri	Non Command	2016	4.49	3.64
399	AS28010	Assam	Udalguri	Poor Quality	2016	0.0	0.0
400	AS28010	Assam	Udalguri	Command	2017	0.0	0.0
401	AS28010	Assam	Udalguri	Non Command	2017	3.6	2.31
402	AS28010	Assam	Udalguri	Poor Quality	2017	0.0	0.0
403	AS28010	Assam	Udalguri	Command	2018	0.0	0.0
404	AS28010	Assam	Udalguri	Non Command	2018	3.2	2.24
405	AS28010	Assam	Udalguri	Poor Quality	2018	0.0	0.0
406	AS28010	Assam	Udalguri	Command	2019	0.0	0.0
407	AS28010	Assam	Udalguri	Non Command	2019	4.46	3.41
408	AS28010	Assam	Udalguri	Poor Quality	2019	0.0	0.0

**Annexure VI:
Recharge from Tanks and Ponds**

"Recharge from Other Sources : Tanks & Ponds" input sheet for ASSAM, ASSAM for year 2019-2020

S.No	Location Code	District	Assessment Unit	Non Command area							
				*Name of Tank/Pond	Number of Tanks/Ponds	Recharge Factor (mm/day)	Design water spread area of single tank (ha)	* Average Water Spread area of single tank (ha)		* No. of days water is available	
								Monsoon	Non monsoon	Mons oon	Non mons oon
1	AS01010	ASSAM	Baksa	Tank2	24590	1.4	0.336519	0.201911	0.020191	153	212
2	AS02010	ASSAM	Barpeta	Tank2	23128	1.4	0.429068	0.257441	0.025744	153	212
3	AS03010	ASSAM	Bongaigaon	Tank2	7814	1.4	1.06295	0.63777	0.063777	153	212
4	AS04010	ASSAM	Cachar	Tank2	37849	1.4	0.859626	0.515776	0.051578	153	212
5	AS05010	ASSAM	Chirang	Tank2	3261	1.4	1.242919	0.745752	0.074575	153	212
6	AS06010	ASSAM	Darrang	Tank2	28643	1.4	0.335963	0.201578	0.020158	153	212
7	AS07010	ASSAM	Dhemaji	Tank2	5312	1.4	0.575866	0.34552	0.034552	153	212
8	AS08010	ASSAM	Dhubri	Tank2	16145	1.4	0.527687	0.316612	0.031661	153	212
9	AS09010	ASSAM	Dibrugarh	Tank2	14231	1.4	0.196074	0.117644	0.011764	153	212
10	AS10010	ASSAM	Dima Hasao	Tank2	3505	1.4	0.849732	0.509839	0.050984	153	212
11	AS11010	ASSAM	Goalpara	Tank2	9336	1.4	1.394402	0.836641	0.083664	153	212
12	AS12010	ASSAM	Golaghat	Tank2	7700	1.4	2.010006	1.206004	0.1206	153	212
13	AS13010	ASSAM	Hailakandi	Tank2	35503	1.4	0.344027	0.206416	0.020642	153	212
14	AS14010	ASSAM	Jorhat	Tank2	14954	1.4	1.230217	0.73813	0.073813	153	212
15	AS17010	ASSAM	Kamrup Metro Rural	Tank2	21972	1.4	0.212179	0.127307	0.012731	153	212
16	AS16010	ASSAM	Kamrup Metro Urban	Tank2	10	1.4	83.735	50.241	5.0241	153	212
17	AS15010	ASSAM	Kamrup	Tank2	23541	1.4	0.618409	0.371045	0.037105	153	212
18	AS18010	ASSAM	Karbi Anglong	Tank2	10345	1.4	0.324505	0.194703	0.01947	153	212
19	AS19010	ASSAM	Karimganj	Tank2	26841	1.4	0.473354	0.284013	0.028401	153	212

S.No	Location Code	District	Assessment Unit	Non Command area							
				*Name of Tank/Pond	Number of Tanks/Ponds	Recharge Factor (mm/day)	Design water spread area of single tank (ha)	* Average Water Spread area of single tank (ha)		* No. of days water is available	
								Monsoon	Non monsoon	Monsoon	Non monsoon
20	AS20010	ASSAM	Kokrajhar	Tank2	8576	1.4	0.607895	0.364737	0.036474	153	212
21	AS21010	ASSAM	Lakhimpur	Tank2	16755	1.4	1.654174	0.992504	0.09925	153	212
22	AS22010	ASSAM	Morigaon	Tank2	24270	1.4	1.574338	0.944603	0.09446	153	212
23	AS23010	ASSAM	Nagaon	Tank2	53360	1.4	0.762106	0.457264	0.045726	153	212
24	AS24010	ASSAM	Nalbari	Tank2	27341	1.4	0.362057	0.217234	0.021723	153	212
25	AS25010	ASSAM	Sivasagar	Tank2	12008	1.4	1.671359	1.002815	0.100282	153	212
26	AS26010	ASSAM	Sonitpur	Tank2	16433	1.4	1.480923	0.888554	0.088855	153	212
27	AS27010	ASSAM	Tinsukia	Tank2	12122	1.4	2.657194	1.594316	0.159432	153	212
28	AS28010	ASSAM	Udalguri	Tank2	9120	1.4	0.145294	0.087176	0.008718	153	212

Annexure VII:

Recharge from Ground Water Irrigation : "Recharge from Other Sources - Ground Irrigation" input sheet for ASSAM, ASSAM for year 2019-2020

S.No	Location Code	District	Assessment Unit	Non Command												
				Paddy					Non Paddy					Weighted RFF		
				Continous Water Supply (Yes/No)	Area under Paddy (ha)		RFF Factor		Continous Water Supply (Yes/No)	Crop name	Area under Non Paddy (ha)		RFF Factor		Mon soon	Non – Mon soon
					Kharif	Rabi	Mon soon	Non – Mon soon			Kharif	Rabi	Mon soon	Non – Mon soon		
1	AS01010	ASSAM	Baksa	Yes	0	3	0.45	0.45	No	crop1	0	0	0.25	0.25		0.45
2	AS02010	ASSAM	Barpeta	Yes	70	2	0.45	0.45	Yes	Oilseeds	0	1	0.25	0.25	0.45	0.383
3	AS03010	ASSAM	Bongaigaon	No	228	119	0.45	0.45	Yes	Jute	3	160	0.25	0.25	0.45	0.335
4	AS04010	ASSAM	Cachar	Yes	0	0	0.45	0.45	No	crop1	0	0	0.25	0.25		
5	AS05010	ASSAM	Chirang	Yes	0	0	0.45	0.45	No	crop1	0	0	0.25	0.25		
6	AS06010	ASSAM	Darrang	Yes	746	76	0.45	0.45	Yes	Others Rabi	0	4	0.25	0.25	0.45	0.44
7	AS07010	ASSAM	Dhemaji	Yes	10	0	0.45	0.45	Yes	Others Rabi	0	24	0.25	0.25	0.45	0.25
8	AS08010	ASSAM	Dhubri	Yes	83	56	0.45	0.45	Yes	Others Rabi	0	94	0.25	0.25	0.45	0.324
9	AS09010	ASSAM	Dibrugarh	Yes	300	0	0.45	0.45	Yes	Others Rabi	0	1	0.25	0.25	0.45	0.25
10	AS10010	ASSAM	Dima Hasao	No	0	0	0.45	0.45	No	crop1	0	0	0.25	0.25		
11	AS11010	ASSAM	Goalpara	Yes	107	207	0.45	0.45	Yes	Others Rabi	0	2	0.25	0.25	0.45	0.448

S.No	Location Code	District	Assessment Unit	Non Command												Weighted RFF	
				Paddy					Non Paddy								
				Continous Water Supply (Yes/No)	Area under Paddy (ha)		RFF Factor		Continous Water Supply (Yes/No)	Crop name	Area under Non Paddy (ha)		RFF Factor		Mon soon	Non – Mon soon	
					Kharif	Rabi	Mon soon	Non – Mon soon			Kharif	Rabi	Mon soon	Non – Mon soon			
12	AS12010	ASSAM	Golaghat	Yes	2061	527	0.45	0.45	Yes	Others Rabi	0	720	0.25	0.25	0.45	0.334	
13	AS13010	ASSAM	Hailakandi	Yes	0	0	0.45	0.45	No	crop1	0	0	0.25	0.25			
14	AS14010	ASSAM	Jorhat	Yes	110	7	0.45	0.45	Yes	Oil seeds	0	25	0.25	0.25	0.45	0.293	
15	AS17010	ASSAM	Kamrup Metro Rural	No	0	0	0.45	0.45	No	crop1	0	0	0.25	0.25			
16	AS16010	ASSAM	Kamrup Metro Urban	No	0		0.45	0.45	No	crop1	0	0	0.25	0.25			
17	AS15010	ASSAM	Kamrup	Yes	275	54	0.45	0.45	Yes	Oilseeds	0	16	0.25	0.25	0.45	0.4	
18	AS18010	ASSAM	Karbi Anglong	Yes	576	360	0.45	0.45	No	crop1	0	0	0.25	0.25	0.45	0.45	
19	AS19010	ASSAM	Karimganj	Yes	0	0	0.45	0.45	No	crop1	0	0	0.25	0.25			
20	AS20010	ASSAM	Kokrajhar	Yes	38	0	0.45	0.45	No	crop1	0	0	0.25	0.25	0.45		
21	AS21010	ASSAM	Lakhimpur	Yes	42	18	0.45	0.45	Yes	Others Rabi	0	7	0.25	0.25	0.45	0.394	
22	AS22010	ASSAM	Morigaon	Yes	13	53	0.45	0.45	No	crop1	0	0	0.25	0.25	0.45	0.45	
23	AS23010	ASSAM	Nagaon	Yes	221	114	0.45	0.45	Yes	Others Rabi	0	5	0.25	0.25	0.45	0.441	
24	AS24010	ASSAM	Nalbari	Yes	264	0	0.45	0.45	No	crop1	0	0	0.25	0.25	0.45		
25	AS25010	ASSAM	Sivasagar	No	780	221	0.45	0.45	Yes	Pulses	0	26	0.25	0.25	0.45	0.428	

S.No	Location Code	District	Assessment Unit	Non Command												
				Paddy					Non Paddy						Weighted RFF	
				Continous Water Supply (Yes/No)	Area under Paddy (ha)		RFF Factor		Continous Water Supply (Yes/No)	Crop name	Area under Non Paddy (ha)		RFF Factor		Mon soon	Non – Mon soon
					Kharif	Rabi	Mon soon	Non – Mon soon			Kharif	Rabi	Mon soon	Non – Mon soon		
26	AS26010	ASSAM	Sonitpur	Yes	1096	77	0.45	0.45	Yes	Others Rabi	0	20	0.25	0.25	0.45	0.408
27	AS27010	ASSAM	Tinsukia	Yes	273	0	0.45	0.45	Yes	Others Rabi	0	3	0.25	0.25	0.45	0.25
28	AS28010	ASSAM	Udalguri	No	75	0	0.45	0.45	No	crop1	0	0	0.25	0.25	0.45	

Annexure VIII:

Recharge from Surface water Irrigation for command area: "Recharge from Other Sources - Surface Water Irrigation" input sheet for ASSAM, ASSAM for year 2019-2020

S. No	Location Code	District	Assessment Unit	Source Type	* Distributory in which it is located	* Design discharge (ha. m/day)	Average discharge (ha. m/day)	Command														
								Paddy					Non Paddy				Weighted RFF		* No of days water released			
								Continous Water Supply (Yes/No)	Area under Paddy (ha)		RFF Factor		Continous Water Supply (Yes/No)	Crop name	Area under Non Paddy (ha)						RFF Factor	
									Kharif	Rabi	Monsoon	Non-Monsoon			Kharif	Rabi	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon
1	AS01010	Assam	Baksa	River	Bhumki		1.22	No	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0
2	AS01010	Assam	Baksa	River	Dekadong	1.22	No	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0	0
3	AS01010	Assam	Baksa	River	Borolia		1.22	No	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0
4	AS01010	Assam	Baksa	River	Sukla		1.22	Yes	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0
5	AS01010	Assam	Baksa	River	River / Ponds / Tanks / Beels	1.22	No	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0	0
6	AS02010	Assam	Barpeta	River	River / Ponds / Tanks / Beels	1.22	No	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0	0

S. No	Location Code	District	Assessment Unit	Source Type	* Distributory in which it is located	* Design discharge (ha. m/day)	Average discharge (ha. m/day)	Command															
								Paddy					Non Paddy				Weighted RFF		* No of days water released				
								Cont inous Water Supply (Yes/No)	Area under Paddy (ha)		RFF Factor		Cont inous Water Supply (Yes/No)	Crop name	Area under Non Paddy (ha)						RFF Factor		
									Khari	Rabi	Monsoon	Non - Monsoon			Khari	Rabi	Monsoon	Non - Monsoon	Monsoon	Non - Monsoon	Monsoon	Non - Monsoon	
					s																		
7	AS02010	Assam	Barpeta	River	River / Ponds/ Tanks/ Beels	1.22	No	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0	0	0
8	AS02010	Assam	Barpeta	River	Pohumara	1.22	No	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0	0	0
9	AS02010	Assam	Barpeta	River	Pohumara	1.22	No	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0	0	0
10	AS02010	Assam	Barpeta	River	Rupohi		1.22	No	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0	0
11	AS02010	Assam	Barpeta	River	Kaldiya		1.22	Yes	3592	0	0.5	0.5	No		0	0	0.3	0.3	0.5	0	30	0	0
12	AS03010	Assam	Bongaigaon	River	River / Ponds/ Tanks/ Beels	1.22	Yes	1450	0	0.5	0.5	No		0	0	0.3	0.3	0.5	0	30	0	0	0

S. No	Location Code	District	Assessment Unit	Source Type	* Distributory in which it is located	* Design discharge (ha. m/day)	Average discharge (ha. m/day)	Command														
								Paddy					Non Paddy				Weighted RFF		* No of days water released			
								Cont inous Water Supply (Yes/No)	Area under Paddy (ha)		RFF Factor		Cont inous Water Supply (Yes/No)	Crop name	Area under Non Paddy (ha)						RFF Factor	
									Kharif	Rabi	Monsoon	Non-Monsoon			Kharif	Rabi	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon
13	AS04010	Assam	Cachar	River	River / Ponds/ Tanks/ Beels	1.22	Yes	65	0	0.5	0.5	Yes	Other Rabi	0	2	0.3	0.3	0.5	0.3	30	45	
14	AS05010	Assam	Chirang	River	River / Ponds/ Tanks/ Beels	1.22	Yes	385	0	0.5	0.5	No		0	0	0.3	0.3	0.5	0	30	0	
15	AS05010	Assam	Chirang	River	River / Ponds/ Tanks/ Beels	1.22	Yes	2655	0	0.5	0.5	Yes	Other Rabi	0	450	0.3	0.3	0.5	0.3	30	45	
16	AS05010	Assam	Chirang	River	Champa	1.22	No	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0	

S. No	Location Code	District	Assessment Unit	Source Type	* Distributory in which it is located	* Design discharge (ha. m/day)	Average discharge (ha. m/day)	Command															
								Paddy					Non Paddy				Weighted RFF		* No of days water released				
								Cont inous Water Supply (Yes/No)	Area under Paddy (ha)		RFF Factor		Cont inous Water Supply (Yes/No)	Crop name	Area under Non Paddy (ha)						RFF Factor		
									Kharif	Rabi	Monsoon	Non - Monsoon			Kharif	Rabi	Monsoon	Non - Monsoon	Monsoon	Non - Monsoon	Monsoon	Non - Monsoon	
					moti																		
17	AS06010	Assam	Darrang	River	River / Ponds/ Tanks/ Beels	1.22	No	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0	0	0
18	AS07010	Assam	Dhema ji	River	River / Ponds/ Tanks/ Beels	1.22	No	0	0	0.5	0.5	Yes	Oilse eds	0	120	0.3	0.3	0	0.3	0	45		
19	AS07010	Assam	Dhema ji	River	River / Ponds/ Tanks/ Beels	1.22	No	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0	0	0
20	AS0801	Assam	Dhubri	River	River	1.22	No	0	0	0.5	0.5	Yes	Whe	0	70	0.3	0.3	0	0.3	0	45		

S. No	Location Code	District	Assessment Unit	Source Type	* Distributory in which it is located	* Design discharge (ha. m/day)	Average discharge (ha. m/day)	Command															
								Paddy					Non Paddy				Weighted RFF		* No of days water released				
								Cont inous Water Supply (Yes/No)	Area under Paddy (ha)		RFF Factor		Cont inous Water Supply (Yes/No)	Crop name	Area under Non Paddy (ha)						RFF Factor		
									Khar if	Rab i	Mo nsoon	No n - Mo nsoon			Khar if	Rab i	Mon soon	Non - Mons oon	Mo nsoon	No n - Mo nsoon	Mo nsoon	Non - Mo nsoon	
	0				/ Ponds/ Tanks/ Beels																		
21	AS09010	Assam	Dibrugarh	River	River / Ponds/ Tanks/ Beels	1.22	No	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0	0	0
22	AS09010	Assam	Dibrugarh	River	Buridehing	1.22	Yes	125	0	0.5	0.5	No		0	0	0.3	0.3	0.5	0	30	0	0	0
23	AS10010	Assam	Dima Hasao	River	River / Ponds/ Tanks/ Beels	1.22	No	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0	0	0

S. No	Location Code	District	Assessment Unit	Source Type	* Distributory in which it is located	* Design discharge (ha. m/day)	Average discharge (ha. m/day)	Command															
								Paddy					Non Paddy				Weighted RFF		* No of days water released				
								Cont inous Water Supply (Yes/No)	Area under Paddy (ha)		RFF Factor		Cont inous Water Supply (Yes/No)	Crop name	Area under Non Paddy (ha)						RFF Factor		
									Kharif	Rabi	Monsoon	Non - Monsoon			Kharif	Rabi	Monsoon	Non - Monsoon	Monsoon	Non - Monsoon	Monsoon	Non - Monsoon	
24	AS11010	Assam	Goalpara	River	River / Ponds/ Tanks/ Beels	1.22	No	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0	0	0
25	AS12010	Assam	Golaghat	River	River / Ponds/ Tanks/ Beels	1.22	No	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0	0	0
26	AS13010	Assam	Hailakandi	River	River / Ponds/ Tanks/ Beels	1.22	No	0	0	0.5	0.5	Yes	Wheat	0	68	0.3	0.3	0	0.3	0	45		
27	AS14010	Assam	Jorhat	River	River /	1.22	No	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0	0	0

S. No	Location Code	District	Assessment Unit	Source Type	* Distributory in which it is located	* Design discharge (ha. m/day)	Average discharge (ha. m/day)	Command															
								Paddy					Non Paddy				Weighted RFF		* No of days water released				
								Continous Water Supply (Yes/No)	Area under Paddy (ha)		RFF Factor		Continous Water Supply (Yes/No)	Crop name	Area under Non Paddy (ha)						RFF Factor		
									Kharif	Rabi	Monsoon	Non-Monsoon			Kharif	Rabi	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	
					Ponds/ Tanks/ Beels																		
28	AS17010	Assam	Kamrup Metro Rural	River	River / Ponds/ Tanks/ Beels	1.22	Yes	2110	414	0.5	0.5	Yes	Pulses	0	98	0.3	0.3	0.5	0.461719	30	45		
29	AS16010	Assam	Kamrup Metro Urban	River	River / Ponds/ Tanks/ Beels	1.22	Yes	2284	450	0.5	0.5	Yes	Sugarcane	0	18	0.3	0.3	0.5	0.492308	30	45		
30	AS15010	Assam	Kamrup	River	River / Ponds/ Beels	1.22	No	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0	0	0

S. No	Location Code	District	Assessment Unit	Source Type	* Distributory in which it is located	* Design discharge (ha. m/day)	Average discharge (ha. m/day)	Command															
								Paddy					Non Paddy				Weighted RFF		* No of days water released				
								Cont inous Water Supply (Yes/No)	Area under Paddy (ha)		RFF Factor		Cont inous Water Supply (Yes/No)	Crop name	Area under Non Paddy (ha)						RFF Factor		
									Khari	Rabi	Monsoon	Non-Monsoon			Khari	Rabi	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	
					Tanks/Beels																		
31	AS18010	Assam	Karbi Anglong	River	Horguti		1.22	No	0	0	0.5	0.5	Yes	Pulses	0	95	0.3	0.3	0	0.3	0	0	45
32	AS18010	Assam	Karbi Anglong	River	River / Ponds / Tanks / Beels		1.22	No	0	0	0.5	0.5	Yes	Oilseeds	0	99	0.3	0.3	0	0.3	0	0	45
33	AS18010	Assam	Karbi Anglong	River	Dikhari		1.22	No	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0	0
34	AS18010	Assam	Karbi Anglong	River	River / Ponds / Tanks / Beels		1.22	No	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0	0

S. No	Location Code	District	Assessment Unit	Source Type	* Distributory in which it is located	* Design discharge (ha. m/day)	Average discharge (ha. m/day)	Command														
								Paddy					Non Paddy				Weighted RFF		* No of days water released			
								Cont inous Water Supply (Yes/No)	Area under Paddy (ha)		RFF Factor		Cont inous Water Supply (Yes/No)	Crop name	Area under Non Paddy (ha)						RFF Factor	
									Kharif	Rabi	Monsoon	Non - Monsoon			Kharif	Rabi	Monsoon	Non - Monsoon	Monsoon	Non - Monsoon	Monsoon	Non - Monsoon
35	AS18010	Assam	Karbi Anglong	River	Hawaipur		1.22	No	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0
36	AS18010	Assam	Karbi Anglong	River	River / Ponds/ Tanks/ Beels		1.22	No	0	0	0.5	0.5	Yes	Sugarcane	0	30	0.3	0.3	0	0.3	0	45
37	AS18010	Assam	Karbi Anglong	River	Amr eng		1.22	No	0	0	0.5	0.5	Yes	Oil seeds	0	60	0.3	0.3	0	0.3	0	45
38	AS18010	Assam	Karbi Anglong	River	River / Ponds/ Tanks/ Beels		1.22	Yes	1300	0	0.5	0.5	No		0	0	0.3	0.3	0.5	0	30	0
39	AS18010	Assam	Karbi Anglong	River	Horguti		1.22	No	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0

S. No	Location Code	District	Assessment Unit	Source Type	* Distributory in which it is located	* Design discharge (ha. m/day)	Average discharge (ha. m/day)	Command															
								Paddy					Non Paddy				Weighted RFF		* No of days water released				
								Continous Water Supply (Yes/No)	Area under Paddy (ha)		RFF Factor		Continous Water Supply (Yes/No)	Crop name	Area under Non Paddy (ha)						RFF Factor		
									Kharif	Rabi	Monsoon	Non-Monsoon			Kharif	Rabi	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	
40	AS18010	Assam	Karbi Anglong	River	River / Ponds/ Tanks/ Beels	1.22	No	0	0	0.5	0.5	No	0	0	0.3	0.3	0	0	0	0	0	0	
41	AS18010	Assam	Karbi Anglong	River	Dikhari	1.22	No	0	0	0.5	0.5	No	0	0	0.3	0.3	0	0	0	0	0	0	
42	AS18010	Assam	Karbi Anglong	River	Horguti	1.22	No	0	0	0.5	0.5	No	0	0	0.3	0.3	0	0	0	0	0	0	
43	AS18010	Assam	Karbi Anglong	River	River / Ponds/ Tanks/ Beels	1.22	Yes	1950	790	0.5	0.5	Yes	Others	0	47	0.3	0.3	0.5	0.488769	30	45		
44	AS18010	Assam	Karbi Anglong	River	Horguti	1.22	No	0	0	0.5	0.5	Yes	Pulses	0	110	0.3	0.3	0	0.3	0	0.3	0	45
45	AS18010	Assam	Karbi	River	Dikh	1.22	No	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0	0	0

S. No	Location Code	District	Assessment Unit	Source Type	* Distributory in which it is located	* Design discharge (ha. m/day)	Average discharge (ha. m/day)	Command																
								Paddy					Non Paddy				Weighted RFF		* No of days water released					
								Cont inous Water Supply (Yes/No)	Area under Paddy (ha)		RFF Factor		Cont inous Water Supply (Yes/No)	Crop name	Area under Non Paddy (ha)						RFF Factor			
									Kharif	Rabi	Monsoon	Non - Monsoon			Kharif	Rabi	Monsoon	Non - Monsoon	Monsoon	Non - Monsoon	Monsoon	Non - Monsoon		
	0		Anglong		ari																			
46	AS19010	Assam	Karimanganj	River	River / Ponds/ Tanks/ Beels	1.22	No	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0	0	0	0
47	AS20010	Assam	Kokrajhar	River	River / Ponds/ Tanks/ Beels	1.22	No	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0	0	0	0
48	AS20010	Assam	Kokrajhar	River	Longa	1.22	Yes		26200	190	0.5	0.5	Yes	Others	0	190	0.3	0.3	0.5	0.4	30	45		
49	AS20010	Assam	Kokrajhar	River	Champamoti	1.22	Yes	39	390	0.5	0.5	No		0	0	0.3	0.3	0.5	0.5	30	45			
50	AS21010	Assam	Lakhimpur	River	River /	1.22	Yes	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0	0	0	0

S. No	Location Code	District	Assessment Unit	Source Type	* Distributory in which it is located	* Design discharge (ha. m/day)	Average discharge (ha. m/day)	Command															
								Paddy					Non Paddy				Weighted RFF		* No of days water released				
								Continous Water Supply (Yes/No)	Area under Paddy (ha)		RFF Factor		Continous Water Supply (Yes/No)	Crop name	Area under Non Paddy (ha)						RFF Factor		
									Kharif	Rabi	Monsoon	Non-Monsoon			Kharif	Rabi	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	
					Ponds/ Tanks/ Beels																		
51	AS22010	Assam	Morigaon	River	River/ Ponds/ Tanks/ Beels	1.22	No	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0	0	0
52	AS23010	Assam	Nagaoan	River	River/ Ponds/ Tanks/ Beels	1.22	No	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0	0	0
53	AS23010	Assam	Nagaoan	River	Jamuna	1.22	Yes	2600	0	0.5	0.5	No		0	0	0.3	0.3	0.5	0	30	0		
54	AS23010	Assam	Nagaoan	River	IIS KRB	1.22	No	5220	0	0.5	0.5	No		0	0	0.3	0.3	0.5	0	30	0		

S. No	Location Code	District	Assessment Unit	Source Type	* Distributory in which it is located	* Design discharge (ha. m/day)	Average discharge (ha. m/day)	Command																
								Paddy					Non Paddy				Weighted RFF		* No of days water released					
								Continous Water Supply (Yes/No)	Area under Paddy (ha)		RFF Factor		Continous Water Supply (Yes/No)	Crop name	Area under Non Paddy (ha)						RFF Factor			
									Khari	Rabi	Monsoon	Non-Monsoon			Khari	Rabi	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon		
					& SRB																			
55	AS23010	Assam	Nagaon	River	Brahmaputra KLIS	1.22	No	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0	0	0	0
56	AS24010	Assam	Nalbari	River	River / Ponds / Tanks / Beels	1.22	No	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0	0	0	0
57	AS25010	Assam	Sivasagar	River	River / Ponds / Tanks / Beels	1.22	No	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0	0	0	0
58	AS26010	Assam	Sonitpur	River	River / Ponds /	1.22	No	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0	0	0	0

S. No	Location Code	District	Assessment Unit	Source Type	* Distributory in which it is located	* Design discharge (ha. m/day)	Average discharge (ha. m/day)	Command															
								Paddy					Non Paddy				Weighted RFF		* No of days water released				
								Cont inous Water Supply (Yes/No)	Area under Paddy (ha)		RFF Factor		Cont inous Water Supply (Yes/No)	Crop name	Area under Non Paddy (ha)						RFF Factor		
									Khari	Rabi	Monsoon	Non - Monsoon			Khari	Rabi	Monsoon	Non - Monsoon	Monsoon	Non - Monsoon	Monsoon	Non - Monsoon	
					Tanks/ Beels																		
59	AS26010	Assam	Sonitpur	River	Bordikari	1.22	Yes	2532	50	0.5	0.5	No		0	0	0.3	0.3	0.5	0.5	30	45		
60	AS27010	Assam	Tinsukia	River	River / Ponds/ Tanks/ Beels	1.22	No	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0		
61	AS28010	Assam	Udalguri	River	Dhansiri		1.22	No	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0	0
62	AS28010	Assam	Udalguri	River	Dhansiri		1.22	No	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0	0
63	AS28010	Assam	Udalguri	River	Kulsi		1.22	No	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0	0
64	AS28010	Assam	Udalguri	River	River / Ponds/ Tank	1.22	No	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0	0	0

S. No	Location Code	District	Assessment Unit	Source Type	* Distributory in which it is located	* Design discharge (ha.m/day)	Average discharge (ha.m/day)	Command															
								Paddy					Non Paddy				Weighted RFF		* No of days water released				
								Continuous Water Supply (Yes/No)	Area under Paddy (ha)		RFF Factor		Continuous Water Supply (Yes/No)	Crop name	Area under Non Paddy (ha)						RFF Factor		
									Khari	Rabi	Monsoon	Non-Monsoon			Khari	Rabi	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	
					s/Beels																		
65	AS28010	Assam	Udalgu ri	River	River / Ponds / Tanks / Beels	1.22	No	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0	0	0
66	AS28010	Assam	Udalgu ri	River	River / Ponds / Tanks / Beels	1.22	No	0	0	0.5	0.5	Yes	Oil Seeds	0	450	0.3	0.3	0	0.3	0	45		
67	AS28010	Assam	Udalgu ri	River	River / Ponds / Tanks / Beels	1.22	Yes	2000	200	0.5	0.5	Yes	Pulses	0	300	0.3	0.3	0.5	0.38	30	45		

S. No	Location Code	District	Assessment Unit	Source Type	* Distributory in which it is located	* Design discharge (ha. m/day)	Average discharge (ha. m/day)	Command															
								Paddy					Non Paddy				Weighted RFF		* No of days water released				
								Continous Water Supply (Yes/No)	Area under Paddy (ha)		RFF Factor		Continous Water Supply (Yes/No)	Crop name	Area under Non Paddy (ha)						RFF Factor		
									Kharif	Rabi	Monsoon	Non-Monsoon			Kharif	Rabi	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	
					s																		
68	AS28010	Assam	Udalgu ri	River	Dhansiri		1.22	No	0	0	0.5	0.5	No		0	0	0.3	0.3	0	0	0	0	0
69	AS28010	Assam	Udalgu ri	River	Dhansiri		1.22	Yes	1500	0	0.5	0.5	No		0	0	0.3	0.3	0.5	0	30	0	0

Recharge from Surface water irrigation for Non Command area

Assessment Unit	Non Command														
	Paddy					Non Paddy						Weighted RFF		* No of days water released	
	Continous Water Supply (Yes/No)	Area under Paddy (ha)		RFF Factor		Continous Water Supply (Yes/No)	Crop name	Area under Non Paddy (ha)		RFF Factor		Monsoon	Non - Monsoon	Monsoon	Non - Monsoon
		Kharif	Rabi	Monsoon	Non - Monsoon			Kharif	Rabi	Monsoon	Non - Monsoon				
Baksa	No	0	0	0.5	0.5		Sugarca n	0	8	0.3	0.3	0.5	0.49	30	45
Baksa	No	0	0	0.5	0.5		Other Rabi	0	2	0.3	0.3	0.5	0.46	30	45
Baksa	No	0	0	0.5	0.5			0	0	0.3	0.3	0.5	0	30	0
Baksa	No	0	0	0.5	0.5			0	0	0.3	0.3	0	0	0	0
Baksa	Yes	16833	0	0.5	0.5			0	0	0.3	0.3	0.5	0	30	0
Barpeta	Yes	0	0	0.5	0.5			0	0	0.3	0.3	0.5	0.5	30	45
Barpeta	Yes	118	4	0.5	0.5			0	0	0.3	0.3	0.5	0.5	30	45
Barpeta	No	0	0	0.5	0.5			0	0	0.3	0.3	0.5	0.5	30	45
Barpeta	No	0	0	0.5	0.5			0	0	0.3	0.3	0.5	0	30	0
Barpeta	No	0	0	0.5	0.5		Oilseeds	0	1	0.3	0.3	0.5	0.49	30	45
Barpeta	No	0	0	0.5	0.5			0		0.3	0.3	0	0	0	0
Bongaigaon	Yes	23	92	0.5	0.5			0	0	0.3	0.3	0	0	0	0
Cachar	Yes	630	1700	0.5	0.5			0	0	0.3	0.3	0	0	0	0
Chirang	Yes	10773	494	0.5	0.5			0	0	0.3	0.3	0	0	0	0
Chirang	Yes	0	0	0.5	0.5			0	0	0.3	0.3	0	0	0	0
Chirang	No	0	0	0.5	0.5		Other Kharif	91	0	0.3	0.3	0.49	0	30	0
Darrang	No	6015	417	0.5	0.5			0	0	0.3	0.3	0.5	0.5	30	45
Dhemaji	Yes	0	0	0.5	0.5			0	0	0.3	0.3	0	0	0	0
Dhemaji	Yes	15	0	0.5	0.5		Oilseeds	0	2505	0.3	0.3	0	0.3	0	45
Dhubri	Yes	28	139	0.5	0.5			0	0	0.3	0.3	0	0	0	0
Dibrugarh	Yes	91	0	0.5	0.5		Maize	6379	0	0.3	0.3	0.3	0	30	0
Dibrugarh	No	0	0	0.5	0.5			0	0	0.3	0.3	0	0	0	0

Dima Hasao	Yes	5224	0	0.5	0.5		Sugarca n	35	2225	0.3	0.3	0.3	0.3	30	45
Goalpara	Yes	791	385	0.5	0.5			0	0	0.3	0.3	0	0	0	0
Golaghat	Yes	1800	991	0.5	0.5		Pulses		3184	0.3	0.3	0	0.3	0	45
Hailakandi	Yes	20	11	0.5	0.5			0	0	0.3	0.3	0	0	0	0
Jorhat	Yes	40	0	0.5	0.5		Others	1105	344	0.3	0.3	0.3	0.3	30	45
Kamrup Metro Rural	Yes	673	443	0.5	0.5			0	0	0.3	0.3	0	0	0	0
Kamrup Metro Urban	No	0	0	0.5	0.5			0	0	0.3	0.3	0	0	0	0
Kamrup	Yes	2008	320	0.5	0.5		Wheat	0	893	0.3	0.3	0.5	0.49	30	45
Karbi Anglong	No	0	0	0.5	0.5			0	0	0.3	0.3	0	0	0	0
Karbi Anglong	Yes	0	0	0.5	0.5			0	0	0.3	0.3	0	0	0	0
Karbi Anglong	No	0	0	0.5	0.5		Other Rabi	0	14	0.3	0.3	0	0.3	0	45
Karbi Anglong	Yes	0	0	0.5	0.5		Oilseeds	0	4	0.3	0.3	0.5	0.3	30	45
Karbi Anglong	No	0	0	0.5	0.5			0	0	0.3	0.3	0	0	0	0
Karbi Anglong	Yes	0	0	0.5	0.5			0	0	0.3	0.3	0	0	0	0
Karbi Anglong	No	0	0	0.5	0.5			0	0	0.3	0.3	0	0	0	0
Karbi Anglong	Yes	0	0	0.5	0.5			0	0	0.3	0.3	0	0	0	0
Karbi Anglong	No	0	0	0.5	0.5		Oil Seeds	0	73	0.3	0.3	0.5	0.42	30	45
Karbi Anglong	Yes	0	0	0.5	0.5		Pulses	0	12	0.3	0.3	0	0.3	0	45
Karbi Anglong	No	0	0	0.5	0.5		Sugar can	0	6	0.3	0.3	0	0.3	0	45
Karbi Anglong	No	0	0	0.5	0.5		Other Rabi	0	6	0.3	0.3	0	0.3	0	45
Karbi Anglong	Yes	59691	17951	0.5	0.5			0	0	0.3	0.3	0	0	0	0
Karbi Anglong	No	0	0	0.5	0.5			0	0	0.3	0.3	0	0	0	0

Karbi Anglong	No	0	0	0.5	0.5		Other Rabi	0	150	0.3	0.3	0.5	0.47	30	45
Karimganj	Yes	23	0	0.5	0.5		Other Rabi	0	16	0.3	0.3	0.5	0.49	30	45
Kokrajhar	Yes	7193	62	0.5	0.5			0	0	0.3	0.3	0.5	0.5	30	45
Kokrajhar	No	0	0	0.5	0.5			0	0	0.3	0.3	0	0	0	0
Kokrajhar	No	0	0	0.5	0.5			0	0	0.3	0.3	0	0	0	0
Lakhimpur	Yes	15	8	0.5	0.5			0	0	0.3	0.3	0	0	0	0
Morigaon	Yes	166	660	0.5	0.5		Other Rabi	0	20	0.3	0.3	0.5	0.47	30	45
Nagaon	Yes	602	710	0.5	0.5			0	0	0.3	0.3	0.5	0.5	30	45
Nagaon	No	0	0	0.5	0.5			0	0	0.3	0.3	0	0	0	0
Nagaon	No	0	0	0.5	0.5			0	0	0.3	0.3	0	0	0	0
Nagaon	No	0	0	0.5	0.5			0	0	0.3	0.3	0.5	0	30	0
Nalbari	Yes	624	0	0.5	0.5		Other Rabi	0	5	0.3	0.3	0.5	0.3	30	45
Sivasagar	Yes	188	41	0.5	0.5		Oilseeds	319	0	0.3	0.3	0.49	0.5	30	45
Sonitpur	Yes	13005	57	0.5	0.5		Pulses	274	0	0.3	0.3	0.3	0	30	0
Sonitpur	No	0	0	0.5	0.5			0	0	0.3	0.3	0	0	0	0
Tinsukia	Yes	270	0	0.5	0.5		Other Rabi	0	3	0.3	0.3	0.5	0.48	30	45
Udalguri	No	0	0	0.5	0.5			0	0	0.3	0.3	0.5	0	30	0
Udalguri	No	0	0	0.5	0.5			0	2	0.3	0.3	0.5	0.49	30	45
Udalguri	No	0	0	0.5	0.5			0	0	0.3	0.3	0.5	0.5	30	45
Udalguri	Yes	39060	128	0.5	0.5		Pulses	2	0	0.3	0.3	0.3	0	30	0
Udalguri	Yes	0	0	0.5	0.5		Oilseeds	2	0	0.3	0.3	0.5	0.5	30	45
Udalguri	Yes	0	0	0.5	0.5			0	0	0.3	0.3	0	0	0	0
Udalguri	No	0	0	0.5	0.5			0	0	0.3	0.3	0	0	0	0
Udalguri	No	0	0	0.5	0.5			0	0	0.3	0.3	0	0	0	0
Udalguri	No	0	0	0.5	0.5			0	0	0.3	0.3	0	0	0	0

Annexure 1:

Recharge from Canals Seepage: "Recharge from Other Sources - Canal" input sheet for ASSAM, ASSAM for year 2019-2020

Assessment Unit	Assessment Sub-Unit (Command, Poor Quality)	* Name Of The Canal Segement	Canal Type (Main/Minor)	Type (Lined/Unlined)	Length Of Canal (M)	Design Depth Of Flow (M)	Average Supply Depth (M)	Bed Width (M)	Side Slope (Degrees)	Wetted Perimeter (M)	Wetted Area (Million Sq.M)	Canal Seepage Factor (Ha.M/D/Million Sq.M)		* No.Of Canal Running Days	
												Monsoon	Non-Monsoon	Monsoon	Non-Monsoon
Baksa	Command	Branch Canal D2 14	Branch	Unlined	27209	0.98	1	1	33	5.33					
Baksa	Command	Main Canal 21	Main	Lined	1560	0.96	0.96	12.58	45	15.46					
Baksa	Command	Minor 15	Branch	Unlined	5766	0.88	0.66	1	33	4.97					
Baksa	Command	Branch Canal D1 13	Branch	Unlined	31191	0.93	0.75	1	33	5.15					
Baksa	Command	Minor2 25	Minor	Lined	15000	0.45	0.45	0.45	90	1.35		2	1.5	30	60
Baksa	Command	Main3 18	Main	Unlined	27670	1.2	1	3	33	6.6		20	15	40	96
Baksa	Command	Main2 16	Main	Lined	1650	1.2	1	3	33	6.6					
Baksa	Command	Main Canal 22	Main	Unlined	2683	0.96	0.96	12.58	45	15.46					
Baksa	Command	Main1 1	Main	Unlined	10480	1.52	1.52	9.65	34	15.13					
Baksa	Command	Main Canal D2 11	Main	Lined	420	1.67	1.04	4.4	33	11.22					
Baksa	Command	Branch2 19	Branch	Unlined	39046	1.1	0.9	2	33	5.25					
Baksa	Command	Branch Canal B1 23	Branch	Unlined	8000	0.91	0.91	2.2	45	3.565					
Baksa	Command	Branch Canal B2 24	Branch	Unlined	8500	0.92	0.92	7.31	45	10.04					
Baksa	Command	Main Canal D1 9	Main	Lined	380	1.925	1.04	4.4	33	12.4					

Assessment Unit	Assessment Sub-Unit (Command, Poor Quality)	* Name Of The Canal Segement	Canal Type (Main/Minor)	Type (Lined/Unlined)	Length Of Canal (M)	Design Depth Of Flow (M)	Average Supply Depth (M)	Bed Width (M)	Side Slope (Degrees)	Wetted Perimeter (M)	Wetted Area (Million Sq M)	Canal Seepage Factor (Ha.M/D/Million Sq.M)		* No.Of Canal Running Days	
												Monsoon	Non-Monsoon	Monsoon	Non-Monsoon
Baksa	Command	Main Canal D2 12	Main	Unlined	34940	0.98	1.04	1.8	33	9.67					
Baksa	Command	B7 8	Branch	Unlined	4320	0.75	0.75	6	34	8.7042		0	0	120	0
Baksa	Command	Main Canal D1 10	Main	Unlined	27810	0.9	1.04	1.6	33	5.65					
Baksa	Command	B6 7	Branch	Unlined	3110	0.35	0.35	1.8	34	3.0619		0	1.5	30	0
Baksa	Command	B5 6	Branch	Unlined	2135	0.36	0.36	1.18	34	2.478		0	1.5	30	60
Baksa	Command	B4 5	Branch	Unlined	5972	0.42	0.42	1.3	34	2.8143		0	1.5	30	0
Baksa	Command	B3 4	Branch	Unlined	2650	0.43	0.43	0.85	34	2.4004		0	0	120	0
Baksa	Command	B2 3	Branch	Unlined	3340	0.4	0.4	0.9	34	2.3422		0	1.5	30	0
Baksa	Command	Distributor 20	Distributor	Unlined	8660	0.8	0.7	1.6	33	4.48		0	0	120	0
Baksa	Command	B1 2	Branch	Unlined	1420	0.3	0.3	0.63	34	1.7117					
Baksa	Command	Branch1 17	Branch	Lined	50	1.1	0.9	2	33	5.25		0	0	0	0
Baksa	Poor Quality				0	0		0	0			0	3.5	30	25
Barpeta	Command	Branch 3	Branch	Unlined	28965	1.2	1	3	33	7.1		0	0	0	0
Barpeta	Command	Distributor 2 4	Distributor	Unlined	6480	1	0.9	2.5	33	6.1		0	0	0	0
Barpeta	Command	Main 2	Main	Unlined	23163	1.6	1.4	5	33	10.8		0	3.5	30	25
Barpeta	Command	Distributor 1	Distributor	Lined	300	1	0.9	2.5	33	6.1		25	30	60	20
Bongaigaon	Command				0	0		0	0			3	4	30	20
Bongaigaon	Poor Quality				0	0		0	0			0	3.5	45	25

Assessment Unit	Assessment Sub-Unit (Command, Poor Quality)	* Name Of The Canal Segement	Canal Type (Main/Minor)	Type (Lined/Unlined)	Length Of Canal (M)	Design Depth Of Flow (M)	Average Supply Depth (M)	Bed Width (M)	Side Slope (Degrees)	Wetted Perimeter (M)	Wetted Area (Million Sq.M)	Canal Seepage Factor (Ha.M/D/Million Sq.M)		* No.Of Canal Running Days	
												Monsoon	Non-Monsoon	Monsoon	Non-Monsoon
Cachar	Command				0	0		0	0			18.2	16.45	0	0
Cachar	Poor Quality				0	0		0	0			0	4	30	0
Chirang	Command	Lbc 1 11	Branch	Unlined	760	0.47	0.47	1.9	57.34	1.833		25	30	60	20
Chirang	Command	Lbc 5 17	Branch	Unlined	2000	0.51	0.51	0.91	57.34	2.05		0	17	45	25
Chirang	Command	Lbc 6/1 21	Branch	Unlined	1360	0.55	0.55	1.3	38.65	2.529		0	17	45	25
Chirang	Command	Lmbc2 2	Main	Lined	965	1.4	1.4	11.3	38.65	21.06		0	4	30	0
Chirang	Command	Lbc 9/2 35	Branch	Unlined	8200	0.58	0.58	1.62	57.34	2.917		0	0	0	0
Chirang	Command	Lmbc3 3	Main	Lined	2480	1.4	1.4	10.75	38.65	20.51		18.2	16.38	0	0
Chirang	Command	Lbc 5/1 18	Branch	Unlined	9200	0.72	0.72	3.33	38.65	4.939		0	0	150	0
Chirang	Command	Lbc 10/3 38	Branch	Unlined	2100	0.75	0.75	1.2	57.34	2.87		18.22	16.39	0	0
Chirang	Command	Lmbc4 4	Main	Lined	490	1.4	1.4	10.1	38.65	19.86		18.21	16.4	0	0
Chirang	Command	Lbc 2/1 13	Branch	Unlined	2160	0.44	0.44	0.705	57.34	1.688		18.2	16.41	0	0
Chirang	Command	Lbc 6/3 23	Branch	Unlined	3800	0.5	0.5	1.16	38.65	2.278		18.19	16.42	0	0
Chirang	Command	Lbc 10/1 36	Branch	Lined	1240	0.9	0.9	1.05	57.34	6.2		18.18	16.43	0	0
Chirang	Command	Lbc 3 15	Branch	Lined	2600	0.67	0.67	1.55	57.34	6.04		25	30	60	20
Chirang	Command	Lmbc5 5	Main	Lined	905	1.38	1.38	9.75	38.65	19.43		18.19	16.44	0	0
Chirang	Command	Lmbc6 6	Main	Lined	2000	1.27	1.27	9.75	38.65	19		3	4	30	20
Chirang	Command	Lbc 7a 29	Branch	Unlined	15620	0.84	0.84	4.7	38.65	6.578					
Chirang	Command	Lmbc7 7	Main	Lined	900	1.2	1.2	9	38.65	17.99					
Chirang	Command	Lbc 7/3 31	Branch	Unlined	1300	0.5	0.5	1.21	38.65	2.328					

Assessment Unit	Assessment Sub-Unit (Command, Poor Quality)	* Name Of The Canal Segement	Canal Type (Main/Minor)	Type (Lined/Unlined)	Length Of Canal (M)	Design Depth Of Flow (M)	Average Supply Depth (M)	Bed Width (M)	Side Slope (Degrees)	Wetted Perimeter (M)	Wetted Area (Million Sq.M)	Canal Seepage Factor (Ha.M/D/Million Sq.M)		* No.Of Canal Running Days	
												Monsoon	Non-Monsoon	Monsoon	Non-Monsoon
Chirang	Command	Lmbc8 8	Main	Lined	1405	0.9	0.9	3.5	38.65	11.33					
Chirang	Command	Lmbc9 9	Main	Lined	1495	0.9	0.9	2.21	38.65	10.04					
Chirang	Command	Lbc7/1 24	Branch	Lined	1500	1.06	1.06	6.46	38.65	13.75					
Chirang	Command	Lbc 8 32	Branch	Unlined	1400	0.41	0.41	0.78	38.65	1.697					
Chirang	Command	Lbc7/3 26	Branch	Lined	2510	1	1	6.45	38.65	13.51					
Chirang	Command	Lbc 5/3 20	Branch	Unlined	5340	0.6	0.6	1.52	38.65	2.86					
Chirang	Command	Lbc7/5 28	Branch	Lined	570	0.98	0.98	6.22	38.65	13.2	17.5	3.5	180	90	
Chirang	Command	Lbc 4 16	Branch	Unlined	1580	0.54	0.54	1.38	57.34	2.587	17.5	15	180	90	
Chirang	Command	Lbc 9/1 34	Branch	Unlined	2020	0.45	0.45	0.28	38.65	1.82	3.5	3.5	30	60	
Chirang	Command	Lbc 2 12	Branch	Unlined	3270	0.46	0.46	1.82	57.34	3.25	17.5	15	180	90	
Chirang	Command	Lbc 6/2 22	Branch	Unlined	10500	0.7	0.7	2.52	38.65	4.085	17.5	15	180	90	
Chirang	Command	Lbc 10/4 39	Branch	Unlined	3000	0.42	0.42	1.06	57.34	2	3.5	3.5	30	60	
Chirang	Command	Lbc 5/2 19	Branch	Unlined	1320	0.4	0.4	0.72	38.65	1.614	17.5	15	180	90	
Chirang	Command	Lbc 10/2 37	Branch	Lined	2660	0.8	0.8	0.99	57.34	5.85	3.5	3.5	180	90	
Chirang	Command	Lbc 7/2 30	Branch	Unlined	10380	0.75	0.75	2.2	38.65	5.088	3.5	3.5	30	60	
Chirang	Command	Lbc 2/2 14	Branch	Unlined	640	0.64	0.64	0.805	57.34	1.833	17.5	15	180	90	
Chirang	Command	Lmbc10 10	Main	Lined	1820	0.9	0.9	9	38.65	8.73	17.6	15	180	90	
Chirang	Command	Lbc 8/1 33	Branch	Unlined	8220	0.6	0.6	2	38.65	3.34	17.5	15	180	90	
Chirang	Command	Lbc7/2 25	Branch	Lined	660	1.02	1.02	6.46	38.65	13.6	17.5	15	180	90	
Chirang	Command	Lmbc1 1	Main	Lined	1620	1.4	1.4	11.35	38.65	21.31	17.5	15	180	90	

Assessment Unit	Assessment Sub-Unit (Command, Poor Quality)	* Name Of The Canal Segement	Canal Type (Main/Minor)	Type (Lined/Unlined)	Length Of Canal (M)	Design Depth Of Flow (M)	Average Supply Depth (M)	Bed Width (M)	Side Slope (Degrees)	Wetted Perimeter (M)	Wetted Area (Million Sq M)	Canal Seepage Factor (Ha.M/D/Million Sq.M)		* No.Of Canal Running Days	
												Monsoon	Non-Monsoon	Monsoon	Non-Monsoon
Chirang	Command	Lbc7/4 27	Branch	Lined	260	1	1	6.14	38.65	13.2		17.5	15	180	90
Chirang	Poor Quality				0	0		0	0			3.5	3.5	30	60
Darrang	Command				0	0		0	0			17.5	15	180	90
Darrang	Poor Quality				0	0		0	0			17.5	15	180	90
Dhemaji	Command				0	0		0	0			3.5	3.5	30	60
Dhemaji	Poor Quality				0	0		0	0			17.5	15	180	90
Dhubri	Command				0	0		0	0			17.5	15	180	90
Dhubri	Poor Quality				0	0		0	0			17.5	3.5	180	90
Dibrugarh	Command	Main 1	Main	Lined	2970	1.25	1.1	4.5	45	7.11		17.5	15	180	90
Dibrugarh	Command	Minor 2	Minor	Unlined	5200	1	0.6	3	45	4.69		17.5	15	180	90
Dibrugarh	Poor Quality				0	0		0	0			3.5	3.5	30	60
Dima Hasao	Command				0	0		0	0			17.5	15	180	90
Dima Hasao	Poor Quality				0	0		0	0			3.5	3.5	30	60
Goalpara	Command				0	0		0	0			17.5	3.5	180	90
Goalpara	Poor Quality				0	0		0	0			17.5	15	180	90
Golaghat	Command				0	0		0	0			17.5	15	180	90
Golaghat	Poor Quality				0	0		0	0			17.5	15	180	90
Hailakandi	Command				0	0		0	0			17.5	15	180	90
Hailakandi	Poor Quality				0	0		0	0			17.5	15	180	90

Assessment Unit	Assessment Sub-Unit (Command, Poor Quality)	* Name Of The Canal Segment	Canal Type (Main/Minor)	Type (Lined/Unlined)	Length Of Canal (M)	Design Depth Of Flow (M)	Average Supply Depth (M)	Bed Width (M)	Side Slope (Degrees)	Wetted Perimeter (M)	Wetted Area (Million Sq M)	Canal Seepage Factor (Ha.M/D/Million Sq.M)		* No.Of Canal Running Days	
												Monsoon	Non-Monsoon	Monsoon	Non-Monsoon
Jorhat	Command				0	0		0	0			17.5	15	180	90
Jorhat	Poor Quality				0	0		0	0			17.5	3.5	180	90
Kamrup Metro Rural	Command				0	0		0	0			17.5	15	180	90
Kamrup Metro Rural	Poor Quality				0	0		0	0			17.5	15	180	90
Kamrup Metro Urban	Command				0	0		0	0			3.5	3.5	30	60
Kamrup Metro Urban	Poor Quality				0	0		0	0			17.5	15	180	90
Kamrup	Command				0	0		0	0			17.5	15	180	90
Kamrup	Poor Quality				0	0		0	0			3.5	3.5	30	60
Karbi Anglong	Command				0	0		0	0			17.5	3.5	180	90
Karbi Anglong	Poor Quality				0	0		0	0			17.5	15	180	90
Karimganj	Command				0	0		0	0			17.5	15	180	90
Karimganj	Poor Quality				0	0		0	0			17.5	15	180	90
Kokrajhar	Command	Srbc-5/2/1 27	Branch	Lined	1090	0.48	0.48	0.4	45	2.13		3.5	3.5	30	60
Kokrajhar	Command	Rbmc2 2	Main	Unlined	6123	1.3	1.3	15	38.65	17.72					
Kokrajhar	Command	Rbmc1 1	Main	Lined	2647	1.3	1.3	10	38.65	18.02					
Kokrajhar	Command	Srbc-5/4-1 33	Minor	Lined	1110	0.51	0.51	0.9	45	3					
Kokrajhar	Command	Rbc-5/1 22	Branch	Lined	4000	1.25	1.25	4	45	12.99					
Kokrajhar	Command	Srbc-5/1/1 25	Branch	Lined	500	0.56	0.56	0.35	45	2.25					

Assessment Unit	Assessment Sub-Unit (Command, Poor Quality)	* Name Of The Canal Segement	Canal Type (Main/Minor)	Type (Lined/Unlined)	Length Of Canal (M)	Design Depth Of Flow (M)	Average Supply Depth (M)	Bed Width (M)	Side Slope (Degrees)	Wetted Perimeter (M)	Wetted Area (Million Sq M)	Canal Seepage Factor (Ha.M/D/Million Sq.M)		* No.Of Canal Running Days	
												Monsoon	Non-Monsoon	Monsoon	Non-Monsoon
Kokrajhar	Command	Rbc-5/3 24	Branch	Unlined	4000	1.19	1.19	7.6	45	10.55		0	0	0	0
Kokrajhar	Command	Srbc-3/4/2 16	Branch	Unlined	1687	0.53	0.53	1.1	45	2.38		16.7	15	73	53
Kokrajhar	Command	Srbc-5/4-1 34	Minor	Unlined	605	0.51	0.51	1.23	45	2.83		0	0	0	0
Kokrajhar	Command	Srbc-3/3/1 11	Branch	Lined	240	0.81	0.81	2.3	45	6.31		16.7	15	46	34
Kokrajhar	Command	Rbc-4/2 21	Branch	Unlined	5120	0.71	0.71	2.13	45	3.97		0	1.5	30	0
Kokrajhar	Command	Srbc-5/4-3 36	Minor	Lined	1000	0.67	0.67	0.7	45	2.6		16.7	15	45	36
Kokrajhar	Command	Srbc-3/3/3 13	Branch	Lined	712	0.81	0.81	2.3	45	6.31		16.7	15	67	53
Kokrajhar	Command	Srbc-5/4-5 38	Minor	Unlined	4760	1	1	2.1	45	4.46		16.7	15	54	40
Kokrajhar	Command	Rbc-3/1 7	Branch	Lined	1200	1	1	4	45	9.69		16.7	15	73	53
Kokrajhar	Command	Srbc-3/3/3 14	Branch	Unlined	7290	0.81	0.81	3	45	5.65		0	1.5	30	0
Kokrajhar	Command	Srbc-3/4/4 19	Branch	Unlined	1517	0.63	0.63	1.1	45	2.38		1.67	1.5	30	23
Kokrajhar	Command	Rbc-3/2 8	Branch	Unlined	7500	1	1	4	45	9.69		16.7	15	34	23
Kokrajhar	Command	Srbc - 3/1/1 9	Branch	Lined	253	0.66	0.66	1.1	45	4.14		16.7	15	34	23
Kokrajhar	Command	Rbc-1/1 3	Branch	Lined	20	0.55	0.55	0.88	45	2.07		16.7	15	36	23
Kokrajhar	Command	Rbc-1/2 4	Branch	Unlined	610	0.55	0.55	1.2	45	2.07		16.7	15	73	53
Kokrajhar	Command	Srbc-5/2/2 28	Branch	Unlined	1110	0.48	0.48	0.5	45	2.05		16.7	15	34	23
Kokrajhar	Command	Srbc-5/4 32	Branch	Unlined	4000	1.1	1.1	3.75	45	9.67		1.67	1.5	30	23
Kokrajhar	Command	Srbc-5/4 31	Branch	Lined	3990	1.1	1.1	1.2	45	9.87		16.7	15	35	23

Assessment Unit	Assessment Sub-Unit (Command, Poor Quality)	* Name Of The Canal Segement	Canal Type (Main/Minor)	Type (Lined/Unlined)	Length Of Canal (M)	Design Depth Of Flow (M)	Average Supply Depth (M)	Bed Width (M)	Side Slope (Degrees)	Wetted Perimeter (M)	Wetted Area (Million Sq M)	Canal Seepage Factor (Ha.M/D/Million Sq.M)		* No.Of Canal Running Days	
												Monsoon	Non-Monsoon	Monsoon	Non-Monsoon
Kokrajhar	Command	Rbc-2/2 6	Branch	Unlined	735	0.67	0.67	1.01	45	2.59		16.7	15	34	23
Kokrajhar	Command	Srbc-5/1/2 26	Branch	Unlined	1300	0.56	0.56	0.7	45	2.15		16.7	15	34	24
Kokrajhar	Command	Rbc-5/2 23	Branch	Lined	1000	1.25	1.25	3.8	45	12.9		1.67	1.5	30	55
Kokrajhar	Command	Rbc-2/1 5	Branch	Lined	6650	0.67	0.67	1.01	45	2.59		0	0	0	0
Kokrajhar	Command	Srbc-3/5 17	Branch	Lined	400	0.5	0.5	0.8	45	1.96		16.7	15	73	53
Kokrajhar	Command	Srbc-3/4/1 15	Branch	Lined	330	0.53	0.53	0.6	45	2.48		16.7	15	79	55
Kokrajhar	Command	Srbc - 3/1/2 10	Branch	Unlined	1947	0.66	0.66	1.5	45	3.08		16.7	15	35	30
Kokrajhar	Command	Srbc-5/3/1 29	Branch	Lined	500	0.56	0.56	0.45	45	2.61		16.7	15	61	36
Kokrajhar	Command	Srbc-5/4-2 35	Minor	Lined	1117	0.8	0.8	0.8	45	2.6		16.7	15	73	53
Kokrajhar	Command	Srbc-3/3/2 12	Branch	Unlined	7770	0.81	0.81	3.63	45	6.19		1.67	1.5	30	53
Kokrajhar	Command	Rbc-4/1 20	Branch	Lined	880	0.71	0.71	1.1	45	4.28		16.7	15	61	36
Kokrajhar	Command	Srbc-5/4-4 37	Minor	Lined	1880	0.83	0.83	0.9	45	2.36		2	1.5	30	0
Kokrajhar	Command	Srbc-3/4/3 18	Branch	Lined	500	0.63	0.63	0.6	45	2.48		20	15	43	0
Kokrajhar	Command	Srbc-5/3/2 30	Branch	Unlined	1300	0.56	0.56	0.6	45	2.51		2	1.5	30	60
Kokrajhar	Poor Quality				0	0		0	0						
Lakhimpur	Command				0	0		0	0						
Lakhimpur	Poor Quality				0	0		0	0						
Morigaon	Command				0	0		0	0			1.72	1.72	30	60

Assessment Unit	Assessment Sub-Unit (Command, Poor Quality)	* Name Of The Canal Segement	Canal Type (Main/Minor)	Type (Lined/Unlined)	Length Of Canal (M)	Design Depth Of Flow (M)	Average Supply Depth (M)	Bed Width (M)	Side Slope (Degrees)	Wetted Perimeter (M)	Wetted Area (Million Sq.M)	Canal Seepage Factor (Ha.M/D/Million Sq.M)		* No.Of Canal Running Days	
												Monsoon	Non-Monsoon	Monsoon	Non-Monsoon
Morigaon	Poor Quality				0	0		0	0			17.2	17.2	120	120
Nagaon	Command	Branch 4	Branch	Unlined	866	2	4.8	4.8	45	10.8		1.72	1.72	30	60
Nagaon	Command	Sitalmari Section 18	Distribution (D2)	Unlined	7932	1.3	0.45	5.49	45	10.17		1.72	1.72	30	60
Nagaon	Command	Minor 7	Minor	Unlined	29331	1	3.6	3.6	45	7.7		1.72	1.72	30	60
Nagaon	Command	Sitalmari Section 17	Minor M 2/2	Unlined	3660	0.54	0.3	2.1	45	4.04		1.72	1.72	30	60
Nagaon	Command	Branch 3	Branch	Lined	24684	2	4.8	4.8	33	10.8		17.2	17.2	120	120
Nagaon	Command	Sitalmari Section 16	Minor M 2/1	Unlined	7500	0.54	0.3	1.2	45	3.14		17.2	17.2	120	120
Nagaon	Command	Murajahar Section 21	Distribution (D2)	Unlined	6530	1	0.5	3.36	45	6.96		17.2	17.2	120	120
Nagaon	Command	Sitalmari Section 15	Minor M 1/2	Unlined	2500	0.85	0.5	2.9	45	5.96		1.72	1.72	30	60
Nagaon	Command	Sitalmari Section 14	Distribution (D1)	Unlined	7330	1.33	0.65	11.59	45	16.39		17.2	17.2	120	120
Nagaon	Command	Distibutary 5	Distibutary	Lined	31463	1.9	4.2	4.2	45	9.6		1.72	1.72	30	60
Nagaon	Command	Murajahar Section 26	Sub Minor Sm 2/0/2	Lined	550	0.6	0.3	1.25	45	3.41		1.72	1.72	30	60
Nagaon	Command	Murajahar Section 27	Sub Minor Sm 2/0/3	Unlined	3450	0.6	0.3	1.25	45	3.41		17.2	17.2	120	120
Nagaon	Command	Murajahar Section 22	Minor M 2/1	Unlined	7000	0.54	0.3	1.2	45	3.14		1.72	1.72	30	60
Nagaon	Command	Kaki Section 32	Sm4	Unlined	2000	0.9	0.4	2	45	5.24		17.2	17.2	120	120
Nagaon	Command	Howraghat Section 19	Distribution (D1)	Unlined	7650	1.33	0.6	11.59	45	16.38		17.2	17.2	120	120
Nagaon	Command	Murajahar Section 23	Minor M 2/2	Unlined	6250	0.54	0.3	2.1	45	4.04		17.2	17.2	120	120

Assessment Unit	Assessment Sub-Unit (Command, Poor Quality)	* Name Of The Canal Segement	Canal Type (Main/Minor)	Type (Lined/Unlined)	Length Of Canal (M)	Design Depth Of Flow (M)	Average Supply Depth (M)	Bed Width (M)	Side Slope (Degrees)	Wetted Perimeter (M)	Wetted Area (Million Sq M)	Canal Seepage Factor (Ha.M/D/Million Sq.M)		* No.Of Canal Running Days	
												Monsoon	Non-Monsoon	Monsoon	Non-Monsoon
Nagaon	Command	Murajahar Section 24	Minor M 1/2	Lined	300	0.85	0.45	2.9	45	5.96		1.72	1.72	30	60
Nagaon	Command	Kaki Section 30	Sm2	Unlined	3000	0.9	0.4	2	45	5.24		1.72	1.72	30	60
Nagaon	Command	Murajahar Section 25	Minor M 1/2	Unlined	6082	0.85	0.45	2.9	45	5.96		17.2	17.2	120	120
Nagaon	Command	Kaki Section 31	Sm3	Unlined	2000	0.9	0.4	2	45	5.24		17.2	17.2	120	120
Nagaon	Command	Weir Section 9	Main	Lined	100	1.33	0.8	18.6	45	23.4		17.2	17.2	120	120
Nagaon	Command	Distibutary 6	Distibutary	Unlined	537	1.9	4.2	4.2	45	9.6		1.72	1.72	30	60
Nagaon	Command	Howraghat Section 20	Minor M1/3	Unlined	7300	1.2	0.5	3.5	45	7.82		17.2	17.2	120	120
Nagaon	Command	Weir Section 10	Main	Unlined	4137	1.33	0.8	18.6	26.57	23.4		17.2	17.2	120	120
Nagaon	Command	Kaki Section 29	Sm 1	Unlined	4000	0.9	0.4	2	45	5.24		1.72	1.72	30	60
Nagaon	Command	Weir Section 13	Distribution (D3)	Unlined	6980	1.33	0.45	7.01	45	11.81		1.72	1.72	30	60
Nagaon	Command	Weir Section 12	Distribution (D1)	Unlined	6250	1.33	0.7	13.1	26.57	17.9		1.72	1.72	30	60
Nagaon	Command	Weir Section 11	Distribution (D1)	Lined	50	1.33	0.7	13.1	45	17.9		1.72	1.72	30	60
Nagaon	Command	Kaki Section 28	Distribution (D3)	Unlined	9965	1.33	0.7	6.09	45	10.88		17.2	17.2	120	120
Nagaon	Command	Main 1	Main	Lined	1951	2.8	2.7	5.2	33	12.2		1.72	1.72	30	60
Nagaon	Command	Main 2	Main	Unlined	1422	2.8	2.7	5.2	45	12.2		1.72	1.72	30	60
Nagaon	Command	Main 8	Main	Lined	206.68	0.7	0.65	1	45	2.7		17.2	17.2	120	120
Nagaon	Poor Quality				0	0		0	0			1.72	1.72	30	60

Assessment Unit	Assessment Sub-Unit (Command, Poor Quality)	* Name Of The Canal Segement	Canal Type (Main/Minor)	Type (Lined/Unlined)	Length Of Canal (M)	Design Depth Of Flow (M)	Average Supply Depth (M)	Bed Width (M)	Side Slope (Degrees)	Wetted Perimeter (M)	Wetted Area (Million Sq M)	Canal Seepage Factor (Ha.M/D/Million Sq.M)		* No.Of Canal Running Days	
												Monsoon	Non-Monsoon	Monsoon	Non-Monsoon
Nalbari	Command				0	0		0	0			1.72	1.72	30	60
Nalbari	Poor Quality				0	0		0	0			1.72	1.72	30	60
Sivasagar	Command				0	0		0	0			17.2	17.2	120	120
Sivasagar	Poor Quality				0	0		0	0						
Sonitpur	Command	D1 1	Main	Lined	1120	1.5	0.45	4.7	33	10.1					
Sonitpur	Command	Main Canal 0	Main	Lined	8450	2.5	0.9	17	33	27.82					
Sonitpur	Command	D3 5	Main	Lined	8300	2	0.5	6	33	13.2					
Sonitpur	Command	D2 4	Main	Unlined	21770	2.2	0.6	7.6	33	15.16					
Sonitpur	Command	D2 3	Main	Lined	1450	2.2	0.6	7.6	33	15.16		18.2	18.2	120	120
Sonitpur	Command	D2 2	Main	Unlined	10530	1.5	0.45	4.7	33	10.1		18.2	18.2	120	120
Sonitpur	Poor Quality				0	0		0	0			18.2	18.2	120	120
Tinsukia	Command	D3 1	Main	Unlined	17190	2	0.5	6	33	13.2		1.82	1.82	30	60
Tinsukia	Poor Quality				0	0		0	0			18.2	18.2	120	120
Udalguri	Command	D2b3m 29	Distributory	Unlined	10500	1.2	0.6	2	33	7.5		1.82	1.82	30	60
Udalguri	Command	D(I)B1m 21	Distributory	Unlined	4700	0.75	0.5	1.2	33	3.002776		18.2	18.2	120	120
Udalguri	Command	D2b3m 28	Distributory	Lined	500	1.2	0.6	2	33	7.5		18.2	18.2	120	120
Udalguri	Command	K2m 36	Branch	Unlined	4515	1.2	0.6	2.5	33	5.55		1.82	1.82	30	60
Udalguri	Command	K3d1b1m 18	Distributory	Unlined	7076	0.75	0.55	1.2	33	3.183053		18.2	18.2	120	120
Udalguri	Command	K2m 35	Branch	Lined	500	1.2	0.6	2.5	33	5.55		18.2	18.2	120	120

Assessment Unit	Assessment Sub-Unit (Command, Poor Quality)	* Name Of The Canal Segement	Canal Type (Main/Minor)	Type (Lined/Unlined)	Length Of Canal (M)	Design Depth Of Flow (M)	Average Supply Depth (M)	Bed Width (M)	Side Slope (Degrees)	Wetted Perimeter (M)	Wetted Area (Million Sq M)	Canal Seepage Factor (Ha.M/D/Million Sq.M)		* No.Of Canal Running Days	
												Monsoon	Non-Monsoon	Monsoon	Non-Monsoon
Udalguri	Command	K2d1b1m 17	Distributory	Unlined	5430	0.75	0.5	1.2	33	3.002776		1.82	1.82	30	60
Udalguri	Command	Main Canal 23	Main	Unlined	9000	1.5	0.75	1.66	45	6.5		18.2	1.82	30	60
Udalguri	Command	Main Canal 22	Main	Lined	1500	1.5	0.75	1.66	45	6.5		1.82	1.82	30	60
Udalguri	Command	K1d1b1m 15	Distributory	Unlined	5657	0.75	0.6	1.2	33	3.363331		1.82	1.82	30	60
Udalguri	Command	K3m 38	Branch	Unlined	2370	1.2	0.7	2.6	34	5.56		18.2	18.2	120	120
Udalguri	Command	S1b2m 4	Distributory	Unlined	2040	0.6	0.4	1.5	33	2.942221		1.82	1.82	30	60
Udalguri	Command	S1k1m 41	Minor	Unlined	3050	0.6	0.4	1.2	33	3.63		18.2	18.2	120	120
Udalguri	Command	D2b1m 10	Distributory	Unlined	25387	1.2	0.8	6.9	33	9.784441		1.82	1.82	30	60
Udalguri	Command	B1m 43	Branch	Unlined	3900	0.89	0.6	9.23	33	12.43		1.82	1.82	30	60
Udalguri	Command	B1m 42	Branch	Lined	4039	0.89	0.6	9.23	33	12.43		18.2	1.82	30	60
Udalguri	Command	B2m 2	Branch	Lined & Unlined	25910	1.25	0.8	3.65	33	6.534441		18.2	18.2	120	120
Udalguri	Command	K1b2m 3	Distributory	Lined & Unlined	3000	0.6	0.4	1.5	33	2.942221		18.2	1.82	30	60
Udalguri	Command	B4m 32	Branch	Lined	50	1.2	0.6	2.5	33	8.8		18.2	18.2	120	120
Udalguri	Command	K1m 40	Minor	Unlined	6000	0.6	0.4	1.2	33	3.63		18.2	1.82	30	60
Udalguri	Command	B1m 1	Branch	Unlined	26128	1.2	0.8	7.5	33	10.38444		18.2	18.2	120	120
Udalguri	Command	D1b3m 27	Distributory	Unlined	16000	1.2	0.6	2	33	7.5		18.2	18.2	120	120
Udalguri	Command	B4m 33	Branch	Unlined	9255	1.2	0.6	2.5	33	8.8		18.2	18.2	120	120
Udalguri	Command	D1b1m 13	Distributory	Unlined	15030	1.2	0.8	2.9	33	5.784441		18.2	18.2	120	120

Assessment Unit	Assessment Sub-Unit (Command, Poor Quality)	* Name Of The Canal Segement	Canal Type (Main/Minor)	Type (Lined/Unlined)	Length Of Canal (M)	Design Depth Of Flow (M)	Average Supply Depth (M)	Bed Width (M)	Side Slope (Degrees)	Wetted Perimeter (M)	Wetted Area (Million Sq M)	Canal Seepage Factor (Ha.M/D/Million Sq.M)		* No.Of Canal Running Days	
												Monsoon	Non-Monsoon	Monsoon	Non-Monsoon
Udalguri	Command	D1b3m 26	Distributory	Lined	1000	1.2	0.6	2	33	7.5		18.2	18.2	120	120
Udalguri	Command	K2d2b1m 12	Distributory	Unlined	4800	0.89	0.6	3.6	33	5.763 331		18.2	18.2	120	120
Udalguri	Command	S1b1m 44	Minor	Lined	960	0.6	0.5	1.5	33	3.2		1.82	1.82	30	60
Udalguri	Command	S2d2b3m 31	Distributory	Unlined	4000	1.2	0.6	2	33	7.5		18.2	18.2	120	120
Udalguri	Command	B5m 34	Branch	Unlined	16500	1.2	0.6	2.5	33	8.8		18.2	18.2	120	120
Udalguri	Command	S1b1m 45	Minor	Unlined	200	0.6	0.5	1.5	33	3.2		1.82	1.82	30	60
Udalguri	Command	S1k1d1b1m 16	Distributory	Unlined	2690	0.75	0.6	1.2	33	3.363 331		18.2	18.2	120	120
Udalguri	Command	K1d2b1m 11	Distributory	Unlined	11090	0.89	0.6	3.6	33	5.763 331		18.2	1.82	30	60
Udalguri	Command	D3b1m 7	Distributory	Unlined	11580	0.89	0.6	3.7	33	5.863 331		1.82	1.82	30	60
Udalguri	Command	K1b1m 19	Distributory	Unlined	3640	0.75	0.5	1.2	33	3.002 776		18.2	1.82	30	60
Udalguri	Command	S1d2b3m 30	Distributory	Unlined	4000	1.2	0.6	2	33	7.5					
Udalguri	Command	S5d3b1m 9	Distributory	Unlined	1510	0.6	0.4	1.5	33	2.942 221					
Udalguri	Command	S3b1m 46	Minor	Unlined	3000	0.7	0.5	1.1	33	2.9					
Udalguri	Command	K3m 37	Branch	Lined	110	1.2	0.6	2.5	33	5.55					
Udalguri	Command	K2b2m 6	Distributory	Unlined	3660	0.6	0.4	1.5	33	2.942 221					
Udalguri	Command	S3d3b1m 8	Distributory	Unlined	3190	0.6	0.4	1.5	33	2.942 221					
Udalguri	Command	B3m 24	Branch	Lined	1000	1.2	0.6	2.5	33	8.8					
Udalguri	Command	B3m 25	Branch	Unlined	16620	1.2	0.6	2.5	33	8.8					

Assessment Unit	Assessment Sub-Unit (Command, Poor Quality)	* Name Of The Canal Segment	Canal Type (Main/Minor)	Type (Lined/Unlined)	Length Of Canal (M)	Design Depth Of Flow (M)	Average Supply Depth (M)	Bed Width (M)	Side Slope (Degrees)	Wetted Perimeter (M)	Wetted Area (Million Sq M)	Canal Seepage Factor (Ha.M/D/Million Sq.M)		* No.Of Canal Running Days	
												Monsoon	Non-Monsoon	Monsoon	Non-Monsoon
Udalguri	Command	Moradhansiri Canal Integrated With B1m Canal 20	Distributory	Unlined	1008	1	0.7	2.75	33	5.273886					
Udalguri	Command	D2b2m 5	Distributory	Unlined	8100	0.89	0.5	3.65	33	5.452776		15	20	60	15
Udalguri	Command	S4d1b1m 14	Distributory	Unlined	3750	1.2	0.6	0.4	33	2.563331		15	20	60	15
Udalguri	Command	Main 39	Main	Lined	10140	1.7	0.8	14.4	33	22.538		15	20	60	15
Udalguri	Poor Quality				0	0		0	0			1.5	2	30	15

Annexure XI:

Fluxes-Evaporation: "Fluxes: Evaporation" input sheet for ASSAM, ASSAM for year 2019-2020

S. No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Evaporation rate in mm/day	Capillary rise in m	Area in hectare (ha)		Average ground water level in the zone in m		No of days Evaporation takes place	
									Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon
1	AS01010	Assam	Baksa	Command	0.0-0.5	1	1	0	0	0.25	0.25	153	212	
2	AS01010	Assam	Baksa	Command	0.5-1.0	1	1	0	0	0.75	0.75	153	212	
3	AS01010	Assam	Baksa	Command	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
4	AS01010	Assam	Baksa	Command	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
5	AS01010	Assam	Baksa	Non_Command	1	0.0-0.5	1	1	0	0	0.25	0.25	153	212
6	AS01010	Assam	Baksa	Non_Command	2	0.5-1.0	1	1	0	0	0.75	0.75	153	212
7	AS01010	Assam	Baksa	Non_Command	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
8	AS01010	Assam	Baksa	Non_Command	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
9	AS01010	Assam	Baksa	Poor_Quality	0.0-0.5	1	1	0	0	0.25	0.25	153	212	
10	AS01010	Assam	Baksa	Poor_Quality	0.5-	1	1	0	0	0.75	0.75	153	212	

S. No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Evaporation rate in mm/day	Capillary rise in m	Area in hectare (ha)		Average ground water level in the zone in m		No of days Evaporation takes place	
									Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon
	0				1.0									
11	AS01010	Assam	Baksa	Poor_Quality	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
12	AS01010	Assam	Baksa	Poor_Quality	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
13	AS02010	Assam	Barpeta	Command	0.0-0.5	1	1	0	0	0.25	0.25	153	212	
14	AS02010	Assam	Barpeta	Command	0.5-1.0	1	1	0	0	0.75	0.75	153	212	
15	AS02010	Assam	Barpeta	Command	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
16	AS02010	Assam	Barpeta	Command	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
17	AS02010	Assam	Barpeta	Non_Command	1	0.0-0.5	1	1	0	0	0.25	0.25	153	212
18	AS02010	Assam	Barpeta	Non_Command	2	0.5-1.0	1	1	0	0	0.75	0.75	153	212
19	AS02010	Assam	Barpeta	Non_Command	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
20	AS02010	Assam	Barpeta	Non_Command	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
21	AS02010	Assam	Barpeta	Poor_Quality	0.0-0.5	1	1	0	0	0.25	0.25	153	212	
22	AS02010	Assam	Barpeta	Poor_Quality	0.5-1.0	1	1	0	0	0.75	0.75	153	212	
23	AS02010	Assam	Barpeta	Poor_Quality	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
24	AS02010	Assam	Barpeta	Poor_Quality	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
25	AS0301	Assam	Bongaigaon	Command	0.0-	1	1	0	0	0.25	0.25	153	212	

S. No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Evaporation rate in mm/day	Capillary rise in m	Area in hectare (ha)		Average ground water level in the zone in m		No of days Evaporation takes place	
									Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon
	0				0.5									
26	AS03010	Assam	Bongaigaon	Command	0.5-1.0	1	1	0	0	0.75	0.75	153	212	
27	AS03010	Assam	Bongaigaon	Command	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
28	AS03010	Assam	Bongaigaon	Command	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
29	AS03010	Assam	Bongaigaon	Non_Command	1	0.0-0.5	1	1	0	0	0.25	0.25	153	212
30	AS03010	Assam	Bongaigaon	Non_Command	2	0.5-1.0	1	1	0	0	0.75	0.75	153	212
31	AS03010	Assam	Bongaigaon	Non_Command	1	1.0-1.5	1	1	0	0	1.25	1.25	153	212
32	AS03010	Assam	Bongaigaon	Non_Command	2	1.5-2.0	1	1	0	0	1.75	1.75	153	212
33	AS03010	Assam	Bongaigaon	Poor_Quality	1	0.0-0.5	1	1	0	0	0.25	0.25	153	212
34	AS03010	Assam	Bongaigaon	Poor_Quality	2	0.5-1.0	1	1	0	0	0.75	0.75	153	212
35	AS03010	Assam	Bongaigaon	Poor_Quality	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
36	AS03010	Assam	Bongaigaon	Poor_Quality	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
37	AS04010	Assam	Cachar	Command	0.0-0.5	1	1	0	0	0.25	0.25	153	212	
38	AS04010	Assam	Cachar	Command	0.5-1.0	1	1	0	0	0.75	0.75	153	212	
39	AS04010	Assam	Cachar	Command	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
40	AS04010	Assam	Cachar	Command	1.5-	1	1	0	0	1.75	1.75	153	212	

S. No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Evaporation rate in mm/day	Capillary rise in m	Area in hectare (ha)		Average ground water level in the zone in m		No of days Evaporation takes place	
									Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon
	0				2.0									
41	AS04010	Assam	Cachar	Non_Command	1	0.0-0.5	1	1	0	0	0.25	0.25	153	212
42	AS04010	Assam	Cachar	Non_Command	2	0.5-1.0	1	1	0	0	0.75	0.75	153	212
43	AS04010	Assam	Cachar	Non_Command	1	1.0-1.5	1	1	0	0	1.25	1.25	153	212
44	AS04010	Assam	Cachar	Non_Command	2	1.5-2.0	1	1	0	0	1.75	1.75	153	212
45	AS04010	Assam	Cachar	Poor_Quality	1	0.0-0.5	1	1	0	0	0.25	0.25	153	212
46	AS04010	Assam	Cachar	Poor_Quality	2	0.5-1.0	1	1	0	0	0.75	0.75	153	212
47	AS04010	Assam	Cachar	Poor_Quality	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
48	AS04010	Assam	Cachar	Poor_Quality	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
49	AS05010	Assam	Chirang	Command	0.0-0.5	1	1	0	0	0.25	0.25	153	212	
50	AS05010	Assam	Chirang	Command	0.5-1.0	1	1	0	0	0.75	0.75	153	212	
51	AS05010	Assam	Chirang	Command	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
52	AS05010	Assam	Chirang	Command	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
53	AS05010	Assam	Chirang	Non_Command	1	0.0-0.5	1	1	0	0	0.25	0.25	153	212
54	AS05010	Assam	Chirang	Non_Command	2	0.5-1.0	1	1	0	0	0.75	0.75	153	212
55	AS05010	Assam	Chirang	Non_Command	1.0-	1	1	0	0	1.25	1.25	153	212	

S. No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Evaporation rate in mm/day	Capillary rise in m	Area in hectare (ha)		Average ground water level in the zone in m		No of days Evaporation takes place	
									Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon
	0			nd	1.5									
56	AS05010	Assam	Chirang	Non_Command	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
57	AS05010	Assam	Chirang	Poor_Quality	0.0-0.5	1	1	0	0	0.25	0.25	153	212	
58	AS05010	Assam	Chirang	Poor_Quality	0.5-1.0	1	1	0	0	0.75	0.75	153	212	
59	AS05010	Assam	Chirang	Poor_Quality	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
60	AS05010	Assam	Chirang	Poor_Quality	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
61	AS06010	Assam	Darrang	Command	0.0-0.5	1	1	0	0	0.25	0.25	153	212	
62	AS06010	Assam	Darrang	Command	0.5-1.0	1	1	0	0	0.75	0.75	153	212	
63	AS06010	Assam	Darrang	Command	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
64	AS06010	Assam	Darrang	Command	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
65	AS06010	Assam	Darrang	Non_Command	1	0.0-0.5	1	1	15620	23960	0.25	0.25	153	212
66	AS06010	Assam	Darrang	Non_Command	2	0.5-1.0	1	1	0	0	0.75	0.75	153	212
67	AS06010	Assam	Darrang	Non_Command	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
68	AS06010	Assam	Darrang	Non_Command	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
69	AS06010	Assam	Darrang	Poor_Quality	0.0-0.5	1	1	0	0	0.25	0.25	153	212	
70	AS06010	Assam	Darrang	Poor_Quality	0.5-	1	1	0	0	0.75	0.75	153	212	

S. No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Evaporation rate in mm/day	Capillary rise in m	Area in hectare (ha)		Average ground water level in the zone in m		No of days Evaporation takes place	
									Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon
	0				1.0									
71	AS06010	Assam	Darrang	Poor_Quality	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
72	AS06010	Assam	Darrang	Poor_Quality	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
73	AS07010	Assam	Dhemaji	Command	0.0-0.5	1	1	0	0	0.25	0.25	153	212	
74	AS07010	Assam	Dhemaji	Command	0.5-1.0	1	1	0	0	0.75	0.75	153	212	
75	AS07010	Assam	Dhemaji	Command	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
76	AS07010	Assam	Dhemaji	Command	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
77	AS07010	Assam	Dhemaji	Non_Command	1	0.0-0.5	1	1	0	0	0.25	0.25	153	212
78	AS07010	Assam	Dhemaji	Non_Command	2	0.5-1.0	1	1	3611	2997	0.75	0.75	153	212
79	AS07010	Assam	Dhemaji	Non_Command	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
80	AS07010	Assam	Dhemaji	Non_Command	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
81	AS07010	Assam	Dhemaji	Poor_Quality	0.0-0.5	1	1	0	0	0.25	0.25	153	212	
82	AS07010	Assam	Dhemaji	Poor_Quality	0.5-1.0	1	1	0	0	0.75	0.75	153	212	
83	AS07010	Assam	Dhemaji	Poor_Quality	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
84	AS07010	Assam	Dhemaji	Poor_Quality	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
85	AS0801	Assam	Dhubri	Command	0.0-	1	1	0	0	0.25	0.25	153	212	

S. No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Evaporation rate in mm/day	Capillary rise in m	Area in hectare (ha)		Average ground water level in the zone in m		No of days Evaporation takes place	
									Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon
	0				0.5									
86	AS0801 0	Assam	Dhubri	Command	0.5- 1.0	1	1	0	0	0.75	0.75	153	212	
87	AS0801 0	Assam	Dhubri	Command	1.0- 1.5	1	1	0	0	1.25	1.25	153	212	
88	AS0801 0	Assam	Dhubri	Command	1.5- 2.0	1	1	0	0	1.75	1.75	153	212	
89	AS0801 0	Assam	Dhubri	Non_Command	1	0.0-0.5	1	1	0	0	0.25	0.25	153	212
90	AS0801 0	Assam	Dhubri	Non_Command	2	0.5-1.0	1	1	0	0	0.75	0.75	153	212
91	AS0801 0	Assam	Dhubri	Non_Command	1.0- 1.5	1	1	0	0	1.25	1.25	153	212	
92	AS0801 0	Assam	Dhubri	Non_Command	1.5- 2.0	1	1	0	0	1.75	1.75	153	212	
93	AS0801 0	Assam	Dhubri	Poor_Quality	0.0- 0.5	1	1	0	0	0.25	0.25	153	212	
94	AS0801 0	Assam	Dhubri	Poor_Quality	0.5- 1.0	1	1	0	0	0.75	0.75	153	212	
95	AS0801 0	Assam	Dhubri	Poor_Quality	1.0- 1.5	1	1	0	0	1.25	1.25	153	212	
96	AS0801 0	Assam	Dhubri	Poor_Quality	1.5- 2.0	1	1	0	0	1.75	1.75	153	212	
97	AS0901 0	Assam	Dibrugarh	Command	0.0- 0.5	1	1	0	0	0.25	0.25	153	212	
98	AS0901 0	Assam	Dibrugarh	Command	0.5- 1.0	1	1	0	0	0.75	0.75	153	212	
99	AS0901 0	Assam	Dibrugarh	Command	1.0- 1.5	1	1	0	0	1.25	1.25	153	212	
100	AS0901	Assam	Dibrugarh	Command	1.5-	1	1	0	0	1.75	1.75	153	212	

S. No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Evaporation rate in mm/day	Capillary rise in m	Area in hectare (ha)		Average ground water level in the zone in m		No of days Evaporation takes place	
									Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon
	0				2.0									
101	AS09010	Assam	Dibrugarh	Non_Command	1	0.0-0.5	1	1	0	0	0.25	0.25	153	212
102	AS09010	Assam	Dibrugarh	Non_Command	2	0.5-1.0	1	1	1759	16740	0.75	0.75	153	212
103	AS09010	Assam	Dibrugarh	Non_Command	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
104	AS09010	Assam	Dibrugarh	Non_Command	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
105	AS09010	Assam	Dibrugarh	Poor_Quality	0.0-0.5	1	1	0	0	0.25	0.25	153	212	
106	AS09010	Assam	Dibrugarh	Poor_Quality	0.5-1.0	1	1	0	0	0.75	0.75	153	212	
107	AS09010	Assam	Dibrugarh	Poor_Quality	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
108	AS09010	Assam	Dibrugarh	Poor_Quality	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
109	AS10010	Assam	Dima Hasao	Command	0.0-0.5	1	1	0	0	0.25	0.25	153	212	
110	AS10010	Assam	Dima Hasao	Command	0.5-1.0	1	1	0	0	0.75	0.75	153	212	
111	AS10010	Assam	Dima Hasao	Command	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
112	AS10010	Assam	Dima Hasao	Command	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
113	AS10010	Assam	Dima Hasao	Non_Command	1	0.0-0.5	1	1	0	0	0.25	0.25	153	212
114	AS10010	Assam	Dima Hasao	Non_Command	2	0.5-1.0	1	1	0	0	0.75	0.75	153	212
115	AS10010	Assam	Dima Hasao	Non_Command	1.0-	1	1	0	0	1.25	1.25	153	212	

S. No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Evaporation rate in mm/day	Capillary rise in m	Area in hectare (ha)		Average ground water level in the zone in m		No of days Evaporation takes place	
									Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon
	0			nd	1.5									
116	AS10010	Assam	Dima Hasao	Non_Command	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
117	AS10010	Assam	Dima Hasao	Poor_Quality	0.0-0.5	1	1	0	0	0.25	0.25	153	212	
118	AS10010	Assam	Dima Hasao	Poor_Quality	0.5-1.0	1	1	0	0	0.75	0.75	153	212	
119	AS10010	Assam	Dima Hasao	Poor_Quality	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
120	AS10010	Assam	Dima Hasao	Poor_Quality	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
121	AS11010	Assam	Goalpara	Command	0.0-0.5	1	1	0	0	0.25	0.25	153	212	
122	AS11010	Assam	Goalpara	Command	0.5-1.0	1	1	0	0	0.75	0.75	153	212	
123	AS11010	Assam	Goalpara	Command	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
124	AS11010	Assam	Goalpara	Command	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
125	AS11010	Assam	Goalpara	Non_Command	1	0.0-0.5	1	1	0	0	0.25	0.25	153	212
126	AS11010	Assam	Goalpara	Non_Command	2	0.5-1.0	1	1	0	0	0.75	0.75	153	212
127	AS11010	Assam	Goalpara	Non_Command	1	1.0-1.5	1	1	0	0	1.25	1.25	153	212
128	AS11010	Assam	Goalpara	Non_Command	2	1.5-2.0	1	1	0	0	1.75	1.75	153	212
129	AS11010	Assam	Goalpara	Poor_Quality	1	0.0-0.5	1	1	0	0	0.25	0.25	153	212
130	AS11010	Assam	Goalpara	Poor_Quality	2	0.5-1.0	1	1	0	0	0.75	0.75	153	212

S. No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Evaporation rate in mm/day	Capillary rise in m	Area in hectare (ha)		Average ground water level in the zone in m		No of days Evaporation takes place	
									Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon
	0													
131	AS1101 0	Assam	Goalpara	Poor_Quality	1	1.0-1.5	1	1	0	0	1.25	1.25	153	212
132	AS1101 0	Assam	Goalpara	Poor_Quality	2	1.5-2.0	1	1	0	0	1.75	1.75	153	212
133	AS1201 0	Assam	Golaghat	Command	0.0- 0.5	1	1	0	0	0.25	0.25	153	212	
134	AS1201 0	Assam	Golaghat	Command	0.5- 1.0	1	1	0	0	0.75	0.75	153	212	
135	AS1201 0	Assam	Golaghat	Command	1.0- 1.5	1	1	0	0	1.25	1.25	153	212	
136	AS1201 0	Assam	Golaghat	Command	1.5- 2.0	1	1	0	0	1.75	1.75	153	212	
137	AS1201 0	Assam	Golaghat	Non_Command	1	0.0-0.5	1	1	0	0	0.25	0.25	153	212
138	AS1201 0	Assam	Golaghat	Non_Command	2	0.5-1.0	1	1	0	0	0.75	0.75	153	212
139	AS1201 0	Assam	Golaghat	Non_Command	1.0- 1.5	1	1	0	0	1.25	1.25	153	212	
140	AS1201 0	Assam	Golaghat	Non_Command	1.5- 2.0	1	1	0	0	1.75	1.75	153	212	
141	AS1201 0	Assam	Golaghat	Poor_Quality	0.0- 0.5	1	1	0	0	0.25	0.25	153	212	
142	AS1201 0	Assam	Golaghat	Poor_Quality	0.5- 1.0	1	1	0	0	0.75	0.75	153	212	
143	AS1201 0	Assam	Golaghat	Poor_Quality	1.0- 1.5	1	1	0	0	1.25	1.25	153	212	
144	AS1201 0	Assam	Golaghat	Poor_Quality	1.5- 2.0	1	1	0	0	1.75	1.75	153	212	
145	AS1301	Assam	Hailakandi	Command	0.0-	1	1	0	0	0.25	0.25	153	212	

S. No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Evaporation rate in mm/day	Capillary rise in m	Area in hectare (ha)		Average ground water level in the zone in m		No of days Evaporation takes place	
									Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon
	0				0.5									
146	AS1301 0	Assam	Hailakandi	Command	0.5- 1.0	1	1	0	0	0.75	0.75	153	212	
147	AS1301 0	Assam	Hailakandi	Command	1.0- 1.5	1	1	0	0	1.25	1.25	153	212	
148	AS1301 0	Assam	Hailakandi	Command	1.5- 2.0	1	1	0	0	1.75	1.75	153	212	
149	AS1301 0	Assam	Hailakandi	Non_Command	1	0.0-0.5	1	1	81.6	17570	0.25	0.25	153	212
150	AS1301 0	Assam	Hailakandi	Non_Command	2	0.5-1.0	1	1	16640	9975	0.75	0.75	153	212
151	AS1301 0	Assam	Hailakandi	Non_Command	1.0- 1.5	1	1	0	0	1.25	1.25	153	212	
152	AS1301 0	Assam	Hailakandi	Non_Command	1.5- 2.0	1	1	0	0	1.75	1.75	153	212	
153	AS1301 0	Assam	Hailakandi	Poor_Quality	0.0- 0.5	1	1	0	0	0.25	0.25	153	212	
154	AS1301 0	Assam	Hailakandi	Poor_Quality	0.5- 1.0	1	1	0	0	0.75	0.75	153	212	
155	AS1301 0	Assam	Hailakandi	Poor_Quality	1.0- 1.5	1	1	0	0	1.25	1.25	153	212	
156	AS1301 0	Assam	Hailakandi	Poor_Quality	1.5- 2.0	1	1	0	0	1.75	1.75	153	212	
157	AS1401 0	Assam	Jorhat	Command	0.0- 0.5	1	1	0	0	0.25	0.25	153	212	
158	AS1401 0	Assam	Jorhat	Command	0.5- 1.0	1	1	0	0	0.75	0.75	153	212	
159	AS1401 0	Assam	Jorhat	Command	1.0- 1.5	1	1	0	0	1.25	1.25	153	212	
160	AS1401	Assam	Jorhat	Command	1.5-	1	1	0	0	1.75	1.75	153	212	

S. No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Evaporation rate in mm/day	Capillary rise in m	Area in hectare (ha)		Average ground water level in the zone in m		No of days Evaporation takes place	
									Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon
	0				2.0									
161	AS14010	Assam	Jorhat	Non_Command	1	0.0-0.5	1	1	0	714.3	0.25	0.25	153	212
162	AS14010	Assam	Jorhat	Non_Command	2	0.5-1.0	1	1	0	2148	0.75	0.75	153	212
163	AS14010	Assam	Jorhat	Non_Command	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
164	AS14010	Assam	Jorhat	Non_Command	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
165	AS14010	Assam	Jorhat	Poor_Quality	0.0-0.5	1	1	0	0	0.25	0.25	153	212	
166	AS14010	Assam	Jorhat	Poor_Quality	0.5-1.0	1	1	0	0	0.75	0.75	153	212	
167	AS14010	Assam	Jorhat	Poor_Quality	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
168	AS14010	Assam	Jorhat	Poor_Quality	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
169	AS17010	Assam	Kamrup Metro Rural	Command	0.0-0.5	1	1	0	0	0.25	0.25	153	212	
170	AS17010	Assam	Kamrup Metro Rural	Command	0.5-1.0	1	1	0	0	0.75	0.75	153	212	
171	AS17010	Assam	Kamrup Metro Rural	Command	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
172	AS17010	Assam	Kamrup Metro Rural	Command	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
173	AS17010	Assam	Kamrup Metro Rural	Non_Command	1	0.0-0.5	1	1	0	0	0.25	0.25	153	212
174	AS17010	Assam	Kamrup Metro Rural	Non_Command	2	0.5-1.0	1	1	0	0	0.75	0.75	153	212
175	AS17010	Assam	Kamrup	Non_Command	1.0-	1	1	0	0	1.25	1.25	153	212	

S. No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Evaporation rate in mm/day	Capillary rise in m	Area in hectare (ha)		Average ground water level in the zone in m		No of days Evaporation takes place	
									Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon
	0		Metro Rural	nd	1.5									
176	AS17010	Assam	Kamrup Metro Rural	Non_Command	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
177	AS17010	Assam	Kamrup Metro Rural	Poor_Quality	0.0-0.5	1	1	0	0	0.25	0.25	153	212	
178	AS17010	Assam	Kamrup Metro Rural	Poor_Quality	0.5-1.0	1	1	0	0	0.75	0.75	153	212	
179	AS17010	Assam	Kamrup Metro Rural	Poor_Quality	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
180	AS17010	Assam	Kamrup Metro Rural	Poor_Quality	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
181	AS16010	Assam	Kamrup Metro Urban	Command	0.0-0.5	1	1	0	0	0.25	0.25	153	212	
182	AS16010	Assam	Kamrup Metro Urban	Command	0.5-1.0	1	1	0	0	0.75	0.75	153	212	
183	AS16010	Assam	Kamrup Metro Urban	Command	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
184	AS16010	Assam	Kamrup Metro Urban	Command	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
185	AS16010	Assam	Kamrup Metro Urban	Non_Command	1	0.0-0.5	1	1	7.144	0	0.25	0.25	153	212
186	AS16010	Assam	Kamrup Metro Urban	Non_Command	2	0.5-1.0	1	1	2663.7	0	0.75	0.75	153	212
187	AS16010	Assam	Kamrup	Non_Command	1.0-	1	1	0	0	1.25	1.25	153	212	

S. No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Evaporation rate in mm/day	Capillary rise in m	Area in hectare (ha)		Average ground water level in the zone in m		No of days Evaporation takes place	
									Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon
	0		Metro Urban	nd	1.5									
188	AS16010	Assam	Kamrup Metro Urban	Non_Command	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
189	AS16010	Assam	Kamrup Metro Urban	Poor_Quality	0.0-0.5	1	1	0	0	0.25	0.25	153	212	
190	AS16010	Assam	Kamrup Metro Urban	Poor_Quality	0.5-1.0	1	1	0	0	0.75	0.75	153	212	
191	AS16010	Assam	Kamrup Metro Urban	Poor_Quality	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
192	AS16010	Assam	Kamrup Metro Urban	Poor_Quality	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
193	AS15010	Assam	Kamrup	Command	0.0-0.5	1	1	0	0	0.25	0.25	153	212	
194	AS15010	Assam	Kamrup	Command	0.5-1.0	1	1	0	0	0.75	0.75	153	212	
195	AS15010	Assam	Kamrup	Command	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
196	AS15010	Assam	Kamrup	Command	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
197	AS15010	Assam	Kamrup	Non_Command	1	0.0-0.5	1	1	0	0	0.25	0.25	153	212
198	AS15010	Assam	Kamrup	Non_Command	2	0.5-1.0	1	1	0	0	0.75	0.75	153	212
199	AS15010	Assam	Kamrup	Non_Command	1.0-	1	1	0	0	1.25	1.25	153	212	

S. No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Evaporation rate in mm/day	Capillary rise in m	Area in hectare (ha)		Average ground water level in the zone in m		No of days Evaporation takes place	
									Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon
	0			nd	1.5									
200	AS15010	Assam	Kamrup	Non_Command	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
201	AS15010	Assam	Kamrup	Poor_Quality	0.0-0.5	1	1	0	0	0.25	0.25	153	212	
202	AS15010	Assam	Kamrup	Poor_Quality	0.5-1.0	1	1	0	0	0.75	0.75	153	212	
203	AS15010	Assam	Kamrup	Poor_Quality	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
204	AS15010	Assam	Kamrup	Poor_Quality	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
205	AS18010	Assam	Karbi Anglong	Command	0.0-0.5	1	1	0	0	0.25	0.25	153	212	
206	AS18010	Assam	Karbi Anglong	Command	0.5-1.0	1	1	0	0	0.75	0.75	153	212	
207	AS18010	Assam	Karbi Anglong	Command	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
208	AS18010	Assam	Karbi Anglong	Command	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
209	AS18010	Assam	Karbi Anglong	Non_Command	1	0.0-0.5	1	1	0	0	0.25	0.25	153	212
210	AS18010	Assam	Karbi Anglong	Non_Command	2	0.5-1.0	1	1	0	0	0.75	0.75	153	212
211	AS18010	Assam	Karbi Anglong	Non_Command	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
212	AS18010	Assam	Karbi Anglong	Non_Command	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
213	AS18010	Assam	Karbi Anglong	Poor_Quality	0.0-0.5	1	1	0	0	0.25	0.25	153	212	
214	AS18010	Assam	Karbi Anglong	Poor_Quality	0.5-1.0	1	1	0	0	0.75	0.75	153	212	

S. No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Evaporation rate in mm/day	Capillary rise in m	Area in hectare (ha)		Average ground water level in the zone in m		No of days Evaporation takes place	
									Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon
	0		Anglong		1.0									
215	AS18010	Assam	Karbi Anglong	Poor_Quality	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
216	AS18010	Assam	Karbi Anglong	Poor_Quality	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
217	AS19010	Assam	Karimganj	Command	0.0-0.5	1	1	0	0	0.25	0.25	153	212	
218	AS19010	Assam	Karimganj	Command	0.5-1.0	1	1	0	0	0.75	0.75	153	212	
219	AS19010	Assam	Karimganj	Command	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
220	AS19010	Assam	Karimganj	Command	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
221	AS19010	Assam	Karimganj	Non_Command	1	0.0-0.5	1	1	0	0	0.25	0.25	153	212
222	AS19010	Assam	Karimganj	Non_Command	2	0.5-1.0	1	1	0	0	0.75	0.75	153	212
223	AS19010	Assam	Karimganj	Non_Command	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
224	AS19010	Assam	Karimganj	Non_Command	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
225	AS19010	Assam	Karimganj	Poor_Quality	0.0-0.5	1	1	0	0	0.25	0.25	153	212	
226	AS19010	Assam	Karimganj	Poor_Quality	0.5-1.0	1	1	0	0	0.75	0.75	153	212	
227	AS19010	Assam	Karimganj	Poor_Quality	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
228	AS19010	Assam	Karimganj	Poor_Quality	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
229	AS2001	Assam	Kokrajhar	Command	0.0-	1	1	0	0	0.25	0.25	153	212	

S. No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Evaporation rate in mm/day	Capillary rise in m	Area in hectare (ha)		Average ground water level in the zone in m		No of days Evaporation takes place	
									Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon
	0				0.5									
230	AS2001 0	Assam	Kokrajhar	Command	0.5- 1.0	1	1	0	0	0.75	0.75	153	212	
231	AS2001 0	Assam	Kokrajhar	Command	1.0- 1.5	1	1	0	0	1.25	1.25	153	212	
232	AS2001 0	Assam	Kokrajhar	Command	1.5- 2.0	1	1	0	0	1.75	1.75	153	212	
233	AS2001 0	Assam	Kokrajhar	Non_Command	1	0.0-0.5	1	1	0	0	0.25	0.25	153	212
234	AS2001 0	Assam	Kokrajhar	Non_Command	2	0.5-1.0	1	1	946.5	0	0.75	0.75	153	212
235	AS2001 0	Assam	Kokrajhar	Non_Command	1.0- 1.5	1	1	0	0	1.25	1.25	153	212	
236	AS2001 0	Assam	Kokrajhar	Non_Command	1.5- 2.0	1	1	0	0	1.75	1.75	153	212	
237	AS2001 0	Assam	Kokrajhar	Poor_Quality	0.0- 0.5	1	1	0	0	0.25	0.25	153	212	
238	AS2001 0	Assam	Kokrajhar	Poor_Quality	0.5- 1.0	1	1	0	0	0.75	0.75	153	212	
239	AS2001 0	Assam	Kokrajhar	Poor_Quality	1.0- 1.5	1	1	0	0	1.25	1.25	153	212	
240	AS2001 0	Assam	Kokrajhar	Poor_Quality	1.5- 2.0	1	1	0	0	1.75	1.75	153	212	
241	AS2101 0	Assam	Lakhimpur	Command	0.0- 0.5	1	1	0	0	0.25	0.25	153	212	
242	AS2101 0	Assam	Lakhimpur	Command	0.5- 1.0	1	1	0	0	0.75	0.75	153	212	
243	AS2101 0	Assam	Lakhimpur	Command	1.0- 1.5	1	1	0	0	1.25	1.25	153	212	
244	AS2101	Assam	Lakhimpur	Command	1.5-	1	1	0	0	1.75	1.75	153	212	

S. No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Evaporation rate in mm/day	Capillary rise in m	Area in hectare (ha)		Average ground water level in the zone in m		No of days Evaporation takes place	
									Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon
	0				2.0									
245	AS2101 0	Assam	Lakhimpur	Non_Command	1	0.0-0.5	1	1	0	0	0.25	0.25	153	212
246	AS2101 0	Assam	Lakhimpur	Non_Command	2	0.5-1.0	1	1	0	0	0.75	0.75	153	212
247	AS2101 0	Assam	Lakhimpur	Non_Command	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
248	AS2101 0	Assam	Lakhimpur	Non_Command	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
249	AS2101 0	Assam	Lakhimpur	Poor_Quality	0.0-0.5	1	1	0	0	0.25	0.25	153	212	
250	AS2101 0	Assam	Lakhimpur	Poor_Quality	0.5-1.0	1	1	0	0	0.75	0.75	153	212	
251	AS2101 0	Assam	Lakhimpur	Poor_Quality	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
252	AS2101 0	Assam	Lakhimpur	Poor_Quality	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
253	AS2201 0	Assam	Morigaon	Command	0.0-0.5	1	1	0	0	0.25	0.25	153	212	
254	AS2201 0	Assam	Morigaon	Command	0.5-1.0	1	1	0	0	0.75	0.75	153	212	
255	AS2201 0	Assam	Morigaon	Command	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
256	AS2201 0	Assam	Morigaon	Command	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
257	AS2201 0	Assam	Morigaon	Non_Command	1	0.0-0.5	1	1	0	0	0.25	0.25	153	212
258	AS2201 0	Assam	Morigaon	Non_Command	2	0.5-1.0	1	1	0	0	0.75	0.75	153	212
259	AS2201	Assam	Morigaon	Non_Command	1.0-	1	1	0	0	1.25	1.25	153	212	

S. No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Evaporation rate in mm/day	Capillary rise in m	Area in hectare (ha)		Average ground water level in the zone in m		No of days Evaporation takes place	
									Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon
	0			nd	1.5									
260	AS22010	Assam	Morigaon	Non_Command	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
261	AS22010	Assam	Morigaon	Poor_Quality	0.0-0.5	1	1	0	0	0.25	0.25	153	212	
262	AS22010	Assam	Morigaon	Poor_Quality	0.5-1.0	1	1	0	0	0.75	0.75	153	212	
263	AS22010	Assam	Morigaon	Poor_Quality	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
264	AS22010	Assam	Morigaon	Poor_Quality	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
265	AS23010	Assam	Nagaon	Command	0.0-0.5	1	1	0	0	0.25	0.25	153	212	
266	AS23010	Assam	Nagaon	Command	0.5-1.0	1	1	0	0	0.75	0.75	153	212	
267	AS23010	Assam	Nagaon	Command	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
268	AS23010	Assam	Nagaon	Command	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
269	AS23010	Assam	Nagaon	Non_Command	1	0.0-0.5	1	1	0	0	0.25	0.25	153	212
270	AS23010	Assam	Nagaon	Non_Command	2	0.5-1.0	1	1	0	0	0.75	0.75	153	212
271	AS23010	Assam	Nagaon	Non_Command	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
272	AS23010	Assam	Nagaon	Non_Command	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
273	AS23010	Assam	Nagaon	Poor_Quality	0.0-0.5	1	1	0	0	0.25	0.25	153	212	
274	AS23010	Assam	Nagaon	Poor_Quality	0.5-	1	1	0	0	0.75	0.75	153	212	

S. No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Evaporation rate in mm/day	Capillary rise in m	Area in hectare (ha)		Average ground water level in the zone in m		No of days Evaporation takes place	
									Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon
	0				1.0									
275	AS2301 0	Assam	Nagaon	Poor_Quality	1.0- 1.5	1	1	0	0	1.25	1.25	153	212	
276	AS2301 0	Assam	Nagaon	Poor_Quality	1.5- 2.0	1	1	0	0	1.75	1.75	153	212	
277	AS2401 0	Assam	Nalbari	Command	0.0- 0.5	1	1	0	0	0.25	0.25	153	212	
278	AS2401 0	Assam	Nalbari	Command	0.5- 1.0	1	1	0	0	0.75	0.75	153	212	
279	AS2401 0	Assam	Nalbari	Command	1.0- 1.5	1	1	0	0	1.25	1.25	153	212	
280	AS2401 0	Assam	Nalbari	Command	1.5- 2.0	1	1	0	0	1.75	1.75	153	212	
281	AS2401 0	Assam	Nalbari	Non_Command	1	0.0-0.5	1	1	0	0	0.25	0.25	153	212
282	AS2401 0	Assam	Nalbari	Non_Command	2	0.5-1.0	1	1	0	0	0.75	0.75	153	212
283	AS2401 0	Assam	Nalbari	Non_Command	1	1.0-1.5	1	1	0	0	1.25	1.25	153	212
284	AS2401 0	Assam	Nalbari	Non_Command	2	1.5-2.0	1	1	0	0	1.75	1.75	153	212
285	AS2401 0	Assam	Nalbari	Poor_Quality	1	0.0-0.5	1	1	0	0	0.25	0.25	153	212
286	AS2401 0	Assam	Nalbari	Poor_Quality	2	0.5-1.0	1	1	0	0	0.75	0.75	153	212
287	AS2401 0	Assam	Nalbari	Poor_Quality	1.0- 1.5	1	1	0	0	1.25	1.25	153	212	
288	AS2401 0	Assam	Nalbari	Poor_Quality	1.5- 2.0	1	1	0	0	1.75	1.75	153	212	
289	AS2501	Assam	Sivasagar	Command	0.0-	1	1	0	0	0.25	0.25	153	212	

S. No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Evaporation rate in mm/day	Capillary rise in m	Area in hectare (ha)		Average ground water level in the zone in m		No of days Evaporation takes place	
									Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon
	0				0.5									
290	AS2501 0	Assam	Sivasagar	Command	0.5- 1.0	1	1	0	0	0.75	0.75	153	212	
291	AS2501 0	Assam	Sivasagar	Command	1.0- 1.5	1	1	0	0	1.25	1.25	153	212	
292	AS2501 0	Assam	Sivasagar	Command	1.5- 2.0	1	1	0	0	1.75	1.75	153	212	
293	AS2501 0	Assam	Sivasagar	Non_Command	1	0.0-0.5	1	1	0	0	0.25	0.25	153	212
294	AS2501 0	Assam	Sivasagar	Non_Command	2	0.5-1.0	1	1	802.7	802.4	0.75	0.75	153	212
295	AS2501 0	Assam	Sivasagar	Non_Command	1.0- 1.5	1	1	0	0	1.25	1.25	153	212	
296	AS2501 0	Assam	Sivasagar	Non_Command	1.5- 2.0	1	1	0	0	1.75	1.75	153	212	
297	AS2501 0	Assam	Sivasagar	Poor_Quality	0.0- 0.5	1	1	0	0	0.25	0.25	153	212	
298	AS2501 0	Assam	Sivasagar	Poor_Quality	0.5- 1.0	1	1	0	0	0.75	0.75	153	212	
299	AS2501 0	Assam	Sivasagar	Poor_Quality	1.0- 1.5	1	1	0	0	1.25	1.25	153	212	
300	AS2501 0	Assam	Sivasagar	Poor_Quality	1.5- 2.0	1	1	0	0	1.75	1.75	153	212	
301	AS2601 0	Assam	Sonitpur	Command	0.0- 0.5	1	1	0	0	0.25	0.25	153	212	
302	AS2601 0	Assam	Sonitpur	Command	0.5- 1.0	1	1	0	0	0.75	0.75	153	212	
303	AS2601 0	Assam	Sonitpur	Command	1.0- 1.5	1	1	0	0	1.25	1.25	153	212	
304	AS2601	Assam	Sonitpur	Command	1.5-	1	1	0	0	1.75	1.75	153	212	

S. No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Evaporation rate in mm/day	Capillary rise in m	Area in hectare (ha)		Average ground water level in the zone in m		No of days Evaporation takes place	
									Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon
	0				2.0									
305	AS26010	Assam	Sonitpur	Non_Command	1	0.0-0.5	1	1	0	0	0.25	0.25	153	212
306	AS26010	Assam	Sonitpur	Non_Command	2	0.5-1.0	1	1	0	0	0.75	0.75	153	212
307	AS26010	Assam	Sonitpur	Non_Command	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
308	AS26010	Assam	Sonitpur	Non_Command	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
309	AS26010	Assam	Sonitpur	Poor_Quality	0.0-0.5	1	1	0	0	0.25	0.25	153	212	
310	AS26010	Assam	Sonitpur	Poor_Quality	0.5-1.0	1	1	0	0	0.75	0.75	153	212	
311	AS26010	Assam	Sonitpur	Poor_Quality	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
312	AS26010	Assam	Sonitpur	Poor_Quality	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
313	AS27010	Assam	Tinsukia	Command	1	0.0-0.5	1	1	0	0	0.25	0.25	153	212
314	AS27010	Assam	Tinsukia	Command	2	0.5-1.0	1	1	0	0	0.75	0.75	153	212
315	AS27010	Assam	Tinsukia	Command	1	1.0-1.5	1	1	0	0	1.25	1.25	153	212
316	AS27010	Assam	Tinsukia	Command	2	1.5-2.0	1	1	0	0	1.75	1.75	153	212
317	AS27010	Assam	Tinsukia	Non_Command	1	0.0-0.5	1	1	0	0	0.25	0.25	153	212
318	AS27010	Assam	Tinsukia	Non_Command	2	0.5-1.0	1	1	0	0	0.75	0.75	153	212
319	AS27010	Assam	Tinsukia	Non_Command	1.0-	1	1	0	0	1.25	1.25	153	212	

S. No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Evaporation rate in mm/day	Capillary rise in m	Area in hectare (ha)		Average ground water level in the zone in m		No of days Evaporation takes place	
									Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon
	0			nd	1.5									
320	AS27010	Assam	Tinsukia	Non_Command	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
321	AS27010	Assam	Tinsukia	Poor_Quality	0.0-0.5	1	1	0	0	0.25	0.25	153	212	
322	AS27010	Assam	Tinsukia	Poor_Quality	0.5-1.0	1	1	0	0	0.75	0.75	153	212	
323	AS27010	Assam	Tinsukia	Poor_Quality	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
324	AS27010	Assam	Tinsukia	Poor_Quality	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
325	AS28010	Assam	Udalguri	Command	0.0-0.5	1	1	0	0	0.25	0.25	153	212	
326	AS28010	Assam	Udalguri	Command	0.5-1.0	1	1	0	0	0.75	0.75	153	212	
327	AS28010	Assam	Udalguri	Command	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
328	AS28010	Assam	Udalguri	Command	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
329	AS28010	Assam	Udalguri	Non_Command	1	0.0-0.5	1	1	0	0	0.25	0.25	153	212
330	AS28010	Assam	Udalguri	Non_Command	2	0.5-1.0	1	1	0	0	0.75	0.75	153	212
331	AS28010	Assam	Udalguri	Non_Command	1.0-1.5	1	1	0	0	1.25	1.25	153	212	
332	AS28010	Assam	Udalguri	Non_Command	1.5-2.0	1	1	0	0	1.75	1.75	153	212	
333	AS28010	Assam	Udalguri	Poor_Quality	0.0-0.5	1	1	0	0	0.25	0.25	153	212	
334	AS28010	Assam	Udalguri	Poor_Quality	0.5-	1	1	0	0	0.75	0.75	153	212	

S. No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Evaporation rate in mm/day	Capillary rise in m	Area in hectare (ha)		Average ground water level in the zone in m		No of days Evaporation takes place	
									Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon
	0				1.0									
335	AS2801 0	Assam	Udalguri	Poor_Quality	1.0- 1.5	1	1	0	0	1.25	1.25	153	212	
336	AS2801 0	Assam	Udalguri	Poor_Quality	1.5- 2.0	1	1	0	0	1.75	1.75	153	212	

Annexure XII:

Flux- Transpiration:"Fluxes : Transpiration" input sheet for ASSAM, ASSAM for year 2019-2020

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
1	AS01010	Assam	Baksa	command		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
2	AS01010	Assam	Baksa	command		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
3	AS01010	Assam	Baksa	command		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
4	AS01010	Assam	Baksa	command		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
5	AS01010	Assam	Baksa	command		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
6	AS01010	Assam	Baksa	command		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
7	AS01010	Assam	Baksa	command		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
8	AS01010	Assam	Baksa	command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
9	AS01010	Assam	Baksa	command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
10	AS01010	Assam	Baksa	command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
11	AS01010	Assam	Baksa	non_command	1	0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
12	AS01010	Assam	Baksa	non_command	2	0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
13	AS01010	Assam	Baksa	non_command	3	1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
14	AS01010	Assam	Baksa	non_command	4	1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
15	AS01010	Assam	Baksa	non_command	5	2.0-2.5	1	2.5	1	290.6	310.8	2.25	2.25	153	212
16	AS01010	Assam	Baksa	non_command	6	2.5-3.0	1	2.5	1	1898.0	5841.0	2.75	2.75	153	212
17	AS01010	Assam	Baksa	non_command	7	3.0-3.5	1	2.5	1	8465.0	6275.0	3.25	3.25	153	212
18	AS01010	Assam	Baksa	non_command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
19	AS01010	Assam	Baksa	non_command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
				d											
20	AS01010	Assam	Baksa	non_command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
21	AS01010	Assam	Baksa	poor_quality		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
22	AS01010	Assam	Baksa	poor_quality		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
23	AS01010	Assam	Baksa	poor_quality		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
24	AS01010	Assam	Baksa	poor_quality		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
25	AS01010	Assam	Baksa	poor_quality		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
26	AS01010	Assam	Baksa	poor_quality		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
27	AS01010	Assam	Baksa	poor_quality		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
28	AS01010	Assam	Baksa	poor_quality		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
29	AS01010	Assam	Baksa	poor_quality		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
30	AS01010	Assam	Baksa	poor_quality		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
31	AS02010	Assam	Barpeta	command		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
32	AS02010	Assam	Barpeta	command		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
33	AS02010	Assam	Barpeta	command		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
34	AS02010	Assam	Barpeta	command		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
35	AS02010	Assam	Barpeta	command		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
36	AS02010	Assam	Barpeta	command		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
37	AS02010	Assam	Barpeta	command		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
38	AS02010	Assam	Barpeta	command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
39	AS02010	Assam	Barpeta	command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
40	AS02010	Assam	Barpeta	command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
41	AS02010	Assam	Barpeta	non_command	1	0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
42	AS02010	Assam	Barpeta	non_command	2	0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
43	AS02010	Assam	Barpeta	non_command	3	1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
				d											
44	AS02010	Assam	Barpeta	non_command	4	1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
45	AS02010	Assam	Barpeta	non_command	5	2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
46	AS02010	Assam	Barpeta	non_command	6	2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
47	AS02010	Assam	Barpeta	non_command	7	3.0-3.5	1	2.5	1	3676	3826	3.25	3.25	153	212
48	AS02010	Assam	Barpeta	non_command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
49	AS02010	Assam	Barpeta	non_command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
50	AS02010	Assam	Barpeta	non_command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
51	AS02010	Assam	Barpeta	poor_quality		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
52	AS02010	Assam	Barpeta	poor_quality		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
53	AS02010	Assam	Barpeta	poor_quality		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
54	AS02010	Assam	Barpeta	poor_quality		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
55	AS02010	Assam	Barpeta	poor_quality		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
56	AS02010	Assam	Barpeta	poor_quality		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
57	AS02010	Assam	Barpeta	poor_quality		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
58	AS02010	Assam	Barpeta	poor_quality		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
59	AS02010	Assam	Barpeta	poor_quality		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
60	AS02010	Assam	Barpeta	poor_quality		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
61	AS03010	Assam	Bongaigaon	command		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
62	AS03010	Assam	Bongaigaon	command		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
63	AS03010	Assam	Bongaigaon	command		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
64	AS03010	Assam	Bongaigaon	command		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place		
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon	
65	AS03010	Assam	Bongaigaon	command		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212	
66	AS03010	Assam	Bongaigaon	command		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212	
67	AS03010	Assam	Bongaigaon	command		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212	
68	AS03010	Assam	Bongaigaon	command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212	
69	AS03010	Assam	Bongaigaon	command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212	
70	AS03010	Assam	Bongaigaon	command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212	
71	AS03010	Assam	Bongaigaon	non_command	1	0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212	
72	AS03010	Assam	Bongaigaon	non_command	2	0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212	
73	AS03010	Assam	Bongaigaon	non_command	3	1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212	
74	AS03010	Assam	Bongaigaon	non_command	4	1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212	
75	AS03010	Assam	Bongaigaon	non_command	5	2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212	
76	AS03010	Assam	Bongaigaon	non_command	6	2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212	
77	AS03010	Assam	Bongaigaon	non_command	7	3.0-3.5	1	2.5	1	9609	3665	0	3.25	3.25	153	212
78	AS03010	Assam	Bongaigaon	non_command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212	
79	AS03010	Assam	Bongaigaon	non_command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212	
80	AS03010	Assam	Bongaigaon	non_command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212	
81	AS03010	Assam	Bongaigaon	poor_quality		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212	
82	AS03010	Assam	Bongaigaon	poor_quality		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212	
83	AS03010	Assam	Bongaigaon	poor_quality		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212	

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
84	AS03010	Assam	Bongaigaon	poor_quality		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
85	AS03010	Assam	Bongaigaon	poor_quality		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
86	AS03010	Assam	Bongaigaon	poor_quality		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
87	AS03010	Assam	Bongaigaon	poor_quality		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
88	AS03010	Assam	Bongaigaon	poor_quality		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
89	AS03010	Assam	Bongaigaon	poor_quality		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
90	AS03010	Assam	Bongaigaon	poor_quality		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
91	AS04010	Assam	Cachar	command		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
92	AS04010	Assam	Cachar	command		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
93	AS04010	Assam	Cachar	command		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
94	AS04010	Assam	Cachar	command		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
95	AS04010	Assam	Cachar	command		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
96	AS04010	Assam	Cachar	command		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
97	AS04010	Assam	Cachar	command		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
98	AS04010	Assam	Cachar	command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
99	AS04010	Assam	Cachar	command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
100	AS04010	Assam	Cachar	command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
101	AS04010	Assam	Cachar	non_command	1	0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
102	AS04010	Assam	Cachar	non_command	2	0.5-1.0	1	2.5	1	3955	8080	0.75	0.75	153	212
103	AS04010	Assam	Cachar	non_command	3	1.0-1.5	1	2.5	1	6998	103500	1.25	1.25	153	212
104	AS04010	Assam	Cachar	non_command	4	1.5-2.0	1	2.5	1	2974	2926	1.75	1.75	153	212
105	AS04010	Assam	Cachar	non_command	5	2.0-2.5	1	2.5	1	1639	1657	2.25	2.25	153	212
106	AS04010	Assam	Cachar	non_command	6	2.5-3.0	1	2.5	1	1574	0	2.75	2.75	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
107	AS04010	Assam	Cachar	non_command	7	3.0-3.5	1	2.5	1	4604	0	3.25	3.25	153	212
108	AS04010	Assam	Cachar	non_command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
109	AS04010	Assam	Cachar	non_command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
110	AS04010	Assam	Cachar	non_command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
111	AS04010	Assam	Cachar	poor_quality		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
112	AS04010	Assam	Cachar	poor_quality		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
113	AS04010	Assam	Cachar	poor_quality		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
114	AS04010	Assam	Cachar	poor_quality		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
115	AS04010	Assam	Cachar	poor_quality		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
116	AS04010	Assam	Cachar	poor_quality		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
117	AS04010	Assam	Cachar	poor_quality		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
118	AS04010	Assam	Cachar	poor_quality		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
119	AS04010	Assam	Cachar	poor_quality		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
120	AS04010	Assam	Cachar	poor_quality		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
121	AS05010	Assam	Chirang	command		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
122	AS05010	Assam	Chirang	command		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
123	AS05010	Assam	Chirang	command		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
124	AS05010	Assam	Chirang	command		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
125	AS05010	Assam	Chirang	command		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
126	AS05010	Assam	Chirang	command		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
127	AS05010	Assam	Chirang	command		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
128	AS05010	Assam	Chirang	command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
129	AS05010	Assam	Chirang	command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
130	AS05010	Assam	Chirang	command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
131	AS05010	Assam	Chirang	non_command	1	0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
132	AS05010	Assam	Chirang	non_command	2	0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
133	AS05010	Assam	Chirang	non_command	3	1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
134	AS05010	Assam	Chirang	non_command	4	1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
135	AS05010	Assam	Chirang	non_command	5	2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
136	AS05010	Assam	Chirang	non_command	6	2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
137	AS05010	Assam	Chirang	non_command	7	3.0-3.5	1	2.5	1	1168	1858	3.25	3.25	153	212
138	AS05010	Assam	Chirang	non_command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
139	AS05010	Assam	Chirang	non_command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
140	AS05010	Assam	Chirang	non_command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
141	AS05010	Assam	Chirang	poor_quality		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
142	AS05010	Assam	Chirang	poor_quality		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
143	AS05010	Assam	Chirang	poor_quality		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
144	AS05010	Assam	Chirang	poor_quality		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
145	AS05010	Assam	Chirang	poor_quality		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
146	AS05010	Assam	Chirang	poor_quality		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
147	AS05010	Assam	Chirang	poor_quality		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
148	AS05010	Assam	Chirang	poor_quality		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
149	AS05010	Assam	Chirang	poor_quality		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
150	AS05010	Assam	Chirang	poor_quality		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
151	AS06010	Assam	Darrang	command		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
152	AS06010	Assam	Darrang	command		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
153	AS06010	Assam	Darrang	command		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
154	AS06010	Assam	Darrang	command		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
155	AS06010	Assam	Darrang	command		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
156	AS06010	Assam	Darrang	command		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
157	AS06010	Assam	Darrang	command		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
158	AS06010	Assam	Darrang	command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
159	AS06010	Assam	Darrang	command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
160	AS06010	Assam	Darrang	command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
161	AS06010	Assam	Darrang	non_command	1	0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
162	AS06010	Assam	Darrang	non_command	2	0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
163	AS06010	Assam	Darrang	non_command	3	1.0-1.5	1	2.5	1	6365	0	1.25	1.25	153	212
164	AS06010	Assam	Darrang	non_command	4	1.5-2.0	1	2.5	1	5125	0	1.75	1.75	153	212
165	AS06010	Assam	Darrang	non_command	5	2.0-2.5	1	2.5	1	5821	8983	2.25	2.25	153	212
166	AS06010	Assam	Darrang	non_command	6	2.5-3.0	1	2.5	1	7150	8890	2.75	2.75	153	212
167	AS06010	Assam	Darrang	non_command	7	3.0-3.5	1	2.5	1	1562	2396	3.25	3.25	153	212
168	AS06010	Assam	Darrang	non_command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
169	AS06010	Assam	Darrang	non_command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
170	AS06010	Assam	Darrang	non_command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
171	AS06010	Assam	Darrang	poor_quality		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
172	AS06010	Assam	Darrang	poor_quality		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
173	AS06010	Assam	Darrang	poor_quality		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
174	AS06010	Assam	Darrang	poor_quality		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
175	AS06010	Assam	Darrang	poor_quality		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
176	AS06010	Assam	Darrang	poor_quality		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
177	AS06010	Assam	Darrang	poor_quality		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
178	AS06010	Assam	Darrang	poor_quality		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
179	AS06010	Assam	Darrang	poor_quality		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
180	AS06010	Assam	Darrang	poor_quality		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
181	AS07010	Assam	Dhemaji	command		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
182	AS07010	Assam	Dhemaji	command		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
183	AS07010	Assam	Dhemaji	command		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
184	AS07010	Assam	Dhemaji	command		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
185	AS07010	Assam	Dhemaji	command		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
186	AS07010	Assam	Dhemaji	command		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
187	AS07010	Assam	Dhemaji	command		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
188	AS07010	Assam	Dhemaji	command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
189	AS07010	Assam	Dhemaji	command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
190	AS07010	Assam	Dhemaji	command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
191	AS07010	Assam	Dhemaji	non_command	1	0.0-0.5	1	2.5	1	3611	2997	0.25	0.25	153	212
192	AS07010	Assam	Dhemaji	non_command	2	0.5-1.0	1	2.5	1	1404	1314	0.75	0.75	153	212
193	AS07010	Assam	Dhemaji	non_command	3	1.0-1.5	1	2.5	1	1014	1010	1.25	1.25	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
194	AS07010	Assam	Dhemaji	non_command	4	1.5-2.0	1	2.5	1	13410	14040	1.75	1.75	153	212
195	AS07010	Assam	Dhemaji	non_command	5	2.0-2.5	1	2.5	1	46600	44440	2.25	2.25	153	212
196	AS07010	Assam	Dhemaji	non_command	6	2.5-3.0	1	2.5	1	17480	23020	2.75	2.75	153	212
197	AS07010	Assam	Dhemaji	non_command	7	3.0-3.5	1	2.5	1	21420	17880	3.25	3.25	153	212
198	AS07010	Assam	Dhemaji	non_command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
199	AS07010	Assam	Dhemaji	non_command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
200	AS07010	Assam	Dhemaji	non_command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
201	AS07010	Assam	Dhemaji	poor_quality		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
202	AS07010	Assam	Dhemaji	poor_quality		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
203	AS07010	Assam	Dhemaji	poor_quality		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
204	AS07010	Assam	Dhemaji	poor_quality		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
205	AS07010	Assam	Dhemaji	poor_quality		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
206	AS07010	Assam	Dhemaji	poor_quality		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
207	AS07010	Assam	Dhemaji	poor_quality		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
208	AS07010	Assam	Dhemaji	poor_quality		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
209	AS07010	Assam	Dhemaji	poor_quality		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
210	AS07010	Assam	Dhemaji	poor_quality		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
211	AS08010	Assam	Dhubri	command		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
212	AS08010	Assam	Dhubri	command		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
213	AS08010	Assam	Dhubri	command		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
214	AS08010	Assam	Dhubri	command		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
215	AS08010	Assam	Dhubri	command		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
216	AS08010	Assam	Dhubri	command		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
217	AS08010	Assam	Dhubri	command		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
218	AS08010	Assam	Dhubri	command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
219	AS08010	Assam	Dhubri	command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
220	AS08010	Assam	Dhubri	command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
221	AS08010	Assam	Dhubri	non_command	1	0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
222	AS08010	Assam	Dhubri	non_command	2	0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
223	AS08010	Assam	Dhubri	non_command	3	1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
224	AS08010	Assam	Dhubri	non_command	4	1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
225	AS08010	Assam	Dhubri	non_command	5	2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
226	AS08010	Assam	Dhubri	non_command	6	2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
227	AS08010	Assam	Dhubri	non_command	7	3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
228	AS08010	Assam	Dhubri	non_command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
229	AS08010	Assam	Dhubri	non_command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
230	AS08010	Assam	Dhubri	non_command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
231	AS08010	Assam	Dhubri	poor_quality		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
232	AS08010	Assam	Dhubri	poor_quality		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
233	AS08010	Assam	Dhubri	poor_quality		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
234	AS08010	Assam	Dhubri	poor_quality		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
235	AS08010	Assam	Dhubri	poor_quality		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
236	AS08010	Assam	Dhubri	poor_quality		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
237	AS08010	Assam	Dhubri	poor_quality		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
238	AS08010	Assam	Dhubri	poor_quality		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
239	AS08010	Assam	Dhubri	poor_quality		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
240	AS08010	Assam	Dhubri	poor_quality		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
241	AS09010	Assam	Dibrugarh	command		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
242	AS09010	Assam	Dibrugarh	command		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
243	AS09010	Assam	Dibrugarh	command		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
244	AS09010	Assam	Dibrugarh	command		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
245	AS09010	Assam	Dibrugarh	command		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
246	AS09010	Assam	Dibrugarh	command		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
247	AS09010	Assam	Dibrugarh	command		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
248	AS09010	Assam	Dibrugarh	command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
249	AS09010	Assam	Dibrugarh	command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
250	AS09010	Assam	Dibrugarh	command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
251	AS09010	Assam	Dibrugarh	non_command	1	0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
252	AS09010	Assam	Dibrugarh	non_command	2	0.5-1.0	1	2.5	1	1759	1674	0.75	0.75	153	212
253	AS09010	Assam	Dibrugarh	non_command	3	1.0-1.5	1	2.5	1	1677	0	1.25	1.25	153	212
254	AS09010	Assam	Dibrugarh	non_command	4	1.5-2.0	1	2.5	1	7544	9144	1.75	1.75	153	212
255	AS09010	Assam	Dibrugarh	non_command	5	2.0-2.5	1	2.5	1	4524	1590	2.25	2.25	153	212
256	AS09010	Assam	Dibrugarh	non_command	6	2.5-3.0	1	2.5	1	1857	3776	2.75	2.75	153	212
257	AS09010	Assam	Dibrugarh	non_command	7	3.0-3.5	1	2.5	1	3808	323.	3.25	3.25	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
				d						0	5				
258	AS09010	Assam	Dibrugarh	non_command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
259	AS09010	Assam	Dibrugarh	non_command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
260	AS09010	Assam	Dibrugarh	non_command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
261	AS09010	Assam	Dibrugarh	poor_quality		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
262	AS09010	Assam	Dibrugarh	poor_quality		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
263	AS09010	Assam	Dibrugarh	poor_quality		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
264	AS09010	Assam	Dibrugarh	poor_quality		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
265	AS09010	Assam	Dibrugarh	poor_quality		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
266	AS09010	Assam	Dibrugarh	poor_quality		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
267	AS09010	Assam	Dibrugarh	poor_quality		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
268	AS09010	Assam	Dibrugarh	poor_quality		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
269	AS09010	Assam	Dibrugarh	poor_quality		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
270	AS09010	Assam	Dibrugarh	poor_quality		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
271	AS10010	Assam	Dima Hasao	command		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
272	AS10010	Assam	Dima Hasao	command		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
273	AS10010	Assam	Dima Hasao	command		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
274	AS10010	Assam	Dima Hasao	command		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
275	AS10010	Assam	Dima Hasao	command		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
276	AS10010	Assam	Dima Hasao	command		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
277	AS10010	Assam	Dima Hasao	command		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
278	AS10010	Assam	Dima Hasao	command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
279	AS10010	Assam	Dima Hasao	command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
280	AS10010	Assam	Dima Hasao	command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
281	AS10010	Assam	Dima Hasao	non_command	1	0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
				d											
282	AS10010	Assam	Dima Hasao	non_command	2	0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
283	AS10010	Assam	Dima Hasao	non_command	3	1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
284	AS10010	Assam	Dima Hasao	non_command	4	1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
285	AS10010	Assam	Dima Hasao	non_command	5	2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
286	AS10010	Assam	Dima Hasao	non_command	6	2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
287	AS10010	Assam	Dima Hasao	non_command	7	3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
288	AS10010	Assam	Dima Hasao	non_command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
289	AS10010	Assam	Dima Hasao	non_command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
290	AS10010	Assam	Dima Hasao	non_command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
291	AS10010	Assam	Dima Hasao	poor_quality		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
292	AS10010	Assam	Dima Hasao	poor_quality		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
293	AS10010	Assam	Dima Hasao	poor_quality		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
294	AS10010	Assam	Dima Hasao	poor_quality		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
295	AS10010	Assam	Dima Hasao	poor_quality		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
296	AS10010	Assam	Dima Hasao	poor_quality		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
297	AS10010	Assam	Dima Hasao	poor_quality		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
298	AS10010	Assam	Dima Hasao	poor_quality		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
299	AS10010	Assam	Dima Hasao	poor_quality		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
300	AS10010	Assam	Dima Hasao	poor_quality		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
301	AS11010	Assam	Goalpara	command		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
302	AS11010	Assam	Goalpara	command		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
303	AS11010	Assam	Goalpara	command		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
304	AS11010	Assam	Goalpara	command		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
305	AS11010	Assam	Goalpara	command		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
306	AS11010	Assam	Goalpara	command		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
307	AS11010	Assam	Goalpara	command		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
308	AS11010	Assam	Goalpara	command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
309	AS11010	Assam	Goalpara	command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
310	AS11010	Assam	Goalpara	command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
311	AS11010	Assam	Goalpara	non_command	1	0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
312	AS11010	Assam	Goalpara	non_command	2	0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
313	AS11010	Assam	Goalpara	non_command	3	1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
314	AS11010	Assam	Goalpara	non_command	4	1.5-2.0	1	2.5	1	4362	6942	1.75	1.75	153	212
315	AS11010	Assam	Goalpara	non_command	5	2.0-2.5	1	2.5	1	1728	1507	2.25	2.25	153	212
316	AS11010	Assam	Goalpara	non_command	6	2.5-3.0	1	2.5	1	9.5	0	2.25	2.25	153	212
317	AS11010	Assam	Goalpara	non_command	7	3.0-3.5	1	2.5	1	1811	3229	2.75	2.75	153	212
318	AS11010	Assam	Goalpara	non_command		3.5-4.0	1	2.5	1	3087	4128	3.25	3.25	153	212
319	AS11010	Assam	Goalpara	non_command		4.0-4.5	1	2.5	1	0	0	3.75	3.75	153	212
320	AS11010	Assam	Goalpara	non_command		4.5-5.0	1	2.5	1	0	0	4.25	4.25	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
				d											
321	AS11010	Assam	Goalpara	poor_quality		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
322	AS11010	Assam	Goalpara	poor_quality		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
323	AS11010	Assam	Goalpara	poor_quality		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
324	AS11010	Assam	Goalpara	poor_quality		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
325	AS11010	Assam	Goalpara	poor_quality		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
326	AS11010	Assam	Goalpara	poor_quality		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
327	AS11010	Assam	Goalpara	poor_quality		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
328	AS11010	Assam	Goalpara	poor_quality		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
329	AS11010	Assam	Goalpara	poor_quality		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
330	AS11010	Assam	Goalpara	poor_quality		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
331	AS12010	Assam	Golaghat	command		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
332	AS12010	Assam	Golaghat	command		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
333	AS12010	Assam	Golaghat	command		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
334	AS12010	Assam	Golaghat	command		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
335	AS12010	Assam	Golaghat	command		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
336	AS12010	Assam	Golaghat	command		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
337	AS12010	Assam	Golaghat	command		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
338	AS12010	Assam	Golaghat	command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
339	AS12010	Assam	Golaghat	command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
340	AS12010	Assam	Golaghat	command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
341	AS12010	Assam	Golaghat	non_command	1	0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
342	AS12010	Assam	Golaghat	non_command	2	0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
343	AS12010	Assam	Golaghat	non_command	3	1.0-1.5	1	2.5	1	1507	1558	1.25	1.25	153	212
344	AS12010	Assam	Golaghat	non_command	4	1.5-2.0	1	2.5	1	2796	2826	1.75	1.75	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
				d											
345	AS12010	Assam	Golaghat	non_command	5	2.0-2.5	1	2.5	1	4418.6	12140	2.25	2.25	153	212
346	AS12010	Assam	Golaghat	non_command	6	2.5-3.0	1	2.5	1	19160	21190	2.75	2.75	153	212
347	AS12010	Assam	Golaghat	non_command	7	3.0-3.5	1	2.5	1	52122	45030	3.25	3.25	153	212
348	AS12010	Assam	Golaghat	non_command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
349	AS12010	Assam	Golaghat	non_command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
350	AS12010	Assam	Golaghat	non_command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
351	AS12010	Assam	Golaghat	poor_quality		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
352	AS12010	Assam	Golaghat	poor_quality		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
353	AS12010	Assam	Golaghat	poor_quality		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
354	AS12010	Assam	Golaghat	poor_quality		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
355	AS12010	Assam	Golaghat	poor_quality		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
356	AS12010	Assam	Golaghat	poor_quality		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
357	AS12010	Assam	Golaghat	poor_quality		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
358	AS12010	Assam	Golaghat	poor_quality		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
359	AS12010	Assam	Golaghat	poor_quality		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
360	AS12010	Assam	Golaghat	poor_quality		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
361	AS13010	Assam	Hailakandi	command		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
362	AS13010	Assam	Hailakandi	command		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
363	AS13010	Assam	Hailakandi	command		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
364	AS13010	Assam	Hailakandi	command		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
365	AS13010	Assam	Hailakandi	command		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
366	AS13010	Assam	Hailakandi	command		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
367	AS13010	Assam	Hailakandi	command		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
368	AS13010	Assam	Hailakandi	command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
369	AS13010	Assam	Hailakandi	command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
370	AS13010	Assam	Hailakandi	command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
371	AS13010	Assam	Hailakandi	non_command	1	0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
372	AS13010	Assam	Hailakandi	non_command	2	0.5-1.0	1	2.5	1	81.6	0	0.75	0.75	153	212
373	AS13010	Assam	Hailakandi	non_command	3	1.0-1.5	1	2.5	1	1664	1757	1.25	1.25	153	212
374	AS13010	Assam	Hailakandi	non_command	4	1.5-2.0	1	2.5	1	8472	9975	1.75	1.75	153	212
375	AS13010	Assam	Hailakandi	non_command	5	2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
376	AS13010	Assam	Hailakandi	non_command	6	2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
377	AS13010	Assam	Hailakandi	non_command	7	3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
378	AS13010	Assam	Hailakandi	non_command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
379	AS13010	Assam	Hailakandi	non_command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
380	AS13010	Assam	Hailakandi	non_command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
381	AS13010	Assam	Hailakandi	poor_quality		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
382	AS13010	Assam	Hailakandi	poor_quality		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
383	AS13010	Assam	Hailakandi	poor_quality		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
384	AS13010	Assam	Hailakandi	poor_quality		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
385	AS13010	Assam	Hailakandi	poor_quality		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
386	AS13010	Assam	Hailakandi	poor_quality		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
387	AS13010	Assam	Hailakandi	poor_quality		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
388	AS13010	Assam	Hailakandi	poor_quality		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
389	AS13010	Assam	Hailakandi	poor_quality		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
390	AS13010	Assam	Hailakandi	poor_quality		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
391	AS14010	Assam	Jorhat	command		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
392	AS14010	Assam	Jorhat	command		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
393	AS14010	Assam	Jorhat	command		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
394	AS14010	Assam	Jorhat	command		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
395	AS14010	Assam	Jorhat	command		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
396	AS14010	Assam	Jorhat	command		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
397	AS14010	Assam	Jorhat	command		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
398	AS14010	Assam	Jorhat	command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
399	AS14010	Assam	Jorhat	command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
400	AS14010	Assam	Jorhat	command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
401	AS14010	Assam	Jorhat	non_command	1	0.0-0.5	1	2.5	1	0	714.3	0.25	0.25	153	212
402	AS14010	Assam	Jorhat	non_command	2	0.5-1.0	1	2.5	1	0	2148	0.75	0.75	153	212
403	AS14010	Assam	Jorhat	non_command	3	1.0-1.5	1	2.5	1	9040	3486	1.25	1.25	153	212
404	AS14010	Assam	Jorhat	non_command	4	1.5-2.0	1	2.5	1	1408	3528	1.75	1.75	153	212
405	AS14010	Assam	Jorhat	non_command	5	2.0-2.5	1	2.5	1	2255	4478	2.25	2.25	153	212
406	AS14010	Assam	Jorhat	non_command	6	2.5-3.0	1	2.5	1	2220	2932	2.75	2.75	153	212
407	AS14010	Assam	Jorhat	non_command	7	3.0-3.5	1	2.5	1	3141	1806	3.25	3.25	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
408	AS14010	Assam	Jorhat	non_command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
409	AS14010	Assam	Jorhat	non_command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
410	AS14010	Assam	Jorhat	non_command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
411	AS14010	Assam	Jorhat	poor_quality		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
412	AS14010	Assam	Jorhat	poor_quality		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
413	AS14010	Assam	Jorhat	poor_quality		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
414	AS14010	Assam	Jorhat	poor_quality		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
415	AS14010	Assam	Jorhat	poor_quality		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
416	AS14010	Assam	Jorhat	poor_quality		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
417	AS14010	Assam	Jorhat	poor_quality		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
418	AS14010	Assam	Jorhat	poor_quality		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
419	AS14010	Assam	Jorhat	poor_quality		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
420	AS14010	Assam	Jorhat	poor_quality		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
421	AS17010	Assam	Kamrup Metro Rural	command		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
422	AS17010	Assam	Kamrup Metro Rural	command		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
423	AS17010	Assam	Kamrup Metro Rural	command		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
424	AS17010	Assam	Kamrup Metro Rural	command		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
425	AS17010	Assam	Kamrup Metro Rural	command		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
426	AS17010	Assam	Kamrup Metro Rural	command		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
427	AS17010	Assam	Kamrup	command		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
			Metro Rural												
428	AS17010	Assam	Kamrup Metro Rural	command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
429	AS17010	Assam	Kamrup Metro Rural	command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
430	AS17010	Assam	Kamrup Metro Rural	command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
431	AS17010	Assam	Kamrup Metro Rural	non_command	1	0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
432	AS17010	Assam	Kamrup Metro Rural	non_command	2	0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
433	AS17010	Assam	Kamrup Metro Rural	non_command	3	1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
434	AS17010	Assam	Kamrup Metro Rural	non_command	4	1.5-2.0	1	2.5	1	1295	0	1.75	1.75	153	212
435	AS17010	Assam	Kamrup Metro Rural	non_command	5	2.0-2.5	1	2.5	1	1528	1683	2.25	2.25	153	212
436	AS17010	Assam	Kamrup Metro Rural	non_command	6	2.5-3.0	1	2.5	1	6678	8253	2.75	2.75	153	212
437	AS17010	Assam	Kamrup Metro Rural	non_command	7	3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
438	AS17010	Assam	Kamrup Metro Rural	non_command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
439	AS17010	Assam	Kamrup Metro Rural	non_command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
440	AS17010	Assam	Kamrup Metro Rural	non_command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
441	AS17010	Assam	Kamrup Metro Rural	poor_quality		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
442	AS17010	Assam	Kamrup Metro Rural	poor_quality		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
443	AS17010	Assam	Kamrup Metro Rural	poor_quality		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
444	AS17010	Assam	Kamrup Metro Rural	poor_quality		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
445	AS17010	Assam	Kamrup Metro Rural	poor_quality		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
446	AS17010	Assam	Kamrup Metro Rural	poor_quality		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
447	AS17010	Assam	Kamrup Metro Rural	poor_quality		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
448	AS17010	Assam	Kamrup Metro Rural	poor_quality		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
449	AS17010	Assam	Kamrup Metro Rural	poor_quality		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
450	AS17010	Assam	Kamrup Metro Rural	poor_quality		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
451	AS16010	Assam	Kamrup Metro Urban	command		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
452	AS16010	Assam	Kamrup Metro Urban	command		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
453	AS16010	Assam	Kamrup Metro Urban	command		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
454	AS16010	Assam	Kamrup Metro	command		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
			Urban												
455	AS16010	Assam	Kamrup Metro Urban	command		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
456	AS16010	Assam	Kamrup Metro Urban	command		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
457	AS16010	Assam	Kamrup Metro Urban	command		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
458	AS16010	Assam	Kamrup Metro Urban	command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
459	AS16010	Assam	Kamrup Metro Urban	command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
460	AS16010	Assam	Kamrup Metro Urban	command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
461	AS16010	Assam	Kamrup Metro Urban	non_command	1	0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
462	AS16010	Assam	Kamrup Metro Urban	non_command	2	0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
463	AS16010	Assam	Kamrup Metro Urban	non_command	3	1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
464	AS16010	Assam	Kamrup	non_command	4	1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
			Metro Urban	d											
465	AS16010	Assam	Kamrup Metro Urban	non_command	5	2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
466	AS16010	Assam	Kamrup Metro Urban	non_command	6	2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
467	AS16010	Assam	Kamrup Metro Urban	non_command	7	3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
468	AS16010	Assam	Kamrup Metro Urban	non_command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
469	AS16010	Assam	Kamrup Metro Urban	non_command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
470	AS16010	Assam	Kamrup Metro Urban	non_command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
471	AS16010	Assam	Kamrup Metro Urban	poor_quality		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
472	AS16010	Assam	Kamrup Metro Urban	poor_quality		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
473	AS16010	Assam	Kamrup Metro Urban	poor_quality		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
474	AS16010	Assam	Kamrup Metro Urban	poor_quality		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
475	AS16010	Assam	Kamrup Metro Urban	poor_quality		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
476	AS16010	Assam	Kamrup Metro Urban	poor_quality		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
477	AS16010	Assam	Kamrup Metro Urban	poor_quality		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
478	AS16010	Assam	Kamrup Metro Urban	poor_quality		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
479	AS16010	Assam	Kamrup Metro Urban	poor_quality		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
480	AS16010	Assam	Kamrup Metro Urban	poor_quality		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
481	AS15010	Assam	Kamrup	command		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
482	AS15010	Assam	Kamrup	command		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
483	AS15010	Assam	Kamrup	command		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
484	AS15010	Assam	Kamrup	command		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
485	AS15010	Assam	Kamrup	command		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
486	AS15010	Assam	Kamrup	command		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
487	AS15010	Assam	Kamrup	command		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
488	AS15010	Assam	Kamrup	command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
489	AS15010	Assam	Kamrup	command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
490	AS15010	Assam	Kamrup	command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
491	AS15010	Assam	Kamrup	non_command	1	0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
492	AS15010	Assam	Kamrup	non_command	2	0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
493	AS15010	Assam	Kamrup	non_command	3	1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
494	AS15010	Assam	Kamrup	non_command	4	1.5-2.0	1	2.5	1	1962	2677	1.75	1.75	153	212
495	AS15010	Assam	Kamrup	non_command	5	2.0-2.5	1	2.5	1	9129	35947	2.25	2.25	153	212
496	AS15010	Assam	Kamrup	non_command	6	2.5-3.0	1	2.5	1	12950	35430	2.75	2.75	153	212
497	AS15010	Assam	Kamrup	non_command	7	3.0-3.5	1	2.5	1	16670	48790	3.25	3.25	153	212
498	AS15010	Assam	Kamrup	non_command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
499	AS15010	Assam	Kamrup	non_command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
500	AS15010	Assam	Kamrup	non_command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
501	AS15010	Assam	Kamrup	poor_quality		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
502	AS15010	Assam	Kamrup	poor_quality		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
503	AS15010	Assam	Kamrup	poor_quality		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
504	AS15010	Assam	Kamrup	poor_quality		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
505	AS15010	Assam	Kamrup	poor_quality		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
506	AS15010	Assam	Kamrup	poor_quality		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
507	AS15010	Assam	Kamrup	poor_quality		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
508	AS15010	Assam	Kamrup	poor_quality		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
509	AS15010	Assam	Kamrup	poor_quality		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
510	AS15010	Assam	Kamrup	poor_quality		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
511	AS18010	Assam	Karbi Anglong	command		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
512	AS18010	Assam	Karbi Anglong	command		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
513	AS18010	Assam	Karbi Anglong	command		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
514	AS18010	Assam	Karbi Anglong	command		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
515	AS18010	Assam	Karbi Anglong	command		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
516	AS18010	Assam	Karbi Anglong	command		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
517	AS18010	Assam	Karbi Anglong	command		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
518	AS18010	Assam	Karbi Anglong	command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
519	AS18010	Assam	Karbi Anglong	command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
520	AS18010	Assam	Karbi Anglong	command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
521	AS18010	Assam	Karbi Anglong	non_command	1	0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
522	AS18010	Assam	Karbi Anglong	non_command	2	0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
523	AS18010	Assam	Karbi Anglong	non_command	3	1.0-1.5	1	2.5	1	19.0	9	1.25	1.25	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
524	AS18010	Assam	Karbi Anglong	non_command	4	1.5-2.0	1	2.5	1	8488	467.6	1.75	1.75	153	212
525	AS18010	Assam	Karbi Anglong	non_command	5	2.0-2.5	1	2.5	1	12100	8500	2.25	2.25	153	212
526	AS18010	Assam	Karbi Anglong	non_command	6	2.5-3.0	1	2.5	1	9407	7476	2.75	2.75	153	212
527	AS18010	Assam	Karbi Anglong	non_command	7	3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
528	AS18010	Assam	Karbi Anglong	non_command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
529	AS18010	Assam	Karbi Anglong	non_command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
530	AS18010	Assam	Karbi Anglong	non_command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
531	AS18010	Assam	Karbi Anglong	poor_quality		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
532	AS18010	Assam	Karbi Anglong	poor_quality		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
533	AS18010	Assam	Karbi Anglong	poor_quality		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
534	AS18010	Assam	Karbi Anglong	poor_quality		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
535	AS18010	Assam	Karbi Anglong	poor_quality		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
536	AS18010	Assam	Karbi Anglong	poor_quality		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
537	AS18010	Assam	Karbi Anglong	poor_quality		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
538	AS18010	Assam	Karbi Anglong	poor_quality		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
			Anglong												
539	AS18010	Assam	Karbi Anglong	poor_quality		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
540	AS18010	Assam	Karbi Anglong	poor_quality		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
541	AS19010	Assam	Karimganj	command		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
542	AS19010	Assam	Karimganj	command		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
543	AS19010	Assam	Karimganj	command		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
544	AS19010	Assam	Karimganj	command		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
545	AS19010	Assam	Karimganj	command		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
546	AS19010	Assam	Karimganj	command		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
547	AS19010	Assam	Karimganj	command		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
548	AS19010	Assam	Karimganj	command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
549	AS19010	Assam	Karimganj	command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
550	AS19010	Assam	Karimganj	command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
551	AS19010	Assam	Karimganj	non_command	1	0.0-0.5	1	2.5	1	3084	3706	0.25	0.25	153	212
552	AS19010	Assam	Karimganj	non_command	2	0.5-1.0	1	2.5	1	7546	11530	0.75	0.75	153	212
553	AS19010	Assam	Karimganj	non_command	3	1.0-1.5	1	2.5	1	15470	11610	1.25	1.25	153	212
554	AS19010	Assam	Karimganj	non_command	4	1.5-2.0	1	2.5	1	13040	5091	1.75	1.75	153	212
555	AS19010	Assam	Karimganj	non_command	5	2.0-2.5	1	2.5	1	3767	3938	2.25	2.25	153	212
556	AS19010	Assam	Karimganj	non_command	6	2.5-3.0	1	2.5	1	4375	4763	2.75	2.75	153	212
557	AS19010	Assam	Karimganj	non_command	7	3.0-3.5	1	2.5	1	5936	0	3.25	3.25	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
558	AS19010	Assam	Karimganj	non_command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
559	AS19010	Assam	Karimganj	non_command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
560	AS19010	Assam	Karimganj	non_command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
561	AS19010	Assam	Karimganj	poor_quality		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
562	AS19010	Assam	Karimganj	poor_quality		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
563	AS19010	Assam	Karimganj	poor_quality		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
564	AS19010	Assam	Karimganj	poor_quality		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
565	AS19010	Assam	Karimganj	poor_quality		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
566	AS19010	Assam	Karimganj	poor_quality		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
567	AS19010	Assam	Karimganj	poor_quality		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
568	AS19010	Assam	Karimganj	poor_quality		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
569	AS19010	Assam	Karimganj	poor_quality		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
570	AS19010	Assam	Karimganj	poor_quality		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
571	AS20010	Assam	Kokrajhar	command		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
572	AS20010	Assam	Kokrajhar	command		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
573	AS20010	Assam	Kokrajhar	command		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
574	AS20010	Assam	Kokrajhar	command		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
575	AS20010	Assam	Kokrajhar	command		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
576	AS20010	Assam	Kokrajhar	command		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
577	AS20010	Assam	Kokrajhar	command		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
578	AS20010	Assam	Kokrajhar	command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
579	AS20010	Assam	Kokrajhar	command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
580	AS20010	Assam	Kokrajhar	command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
581	AS20010	Assam	Kokrajhar	non_command	1	0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
582	AS20010	Assam	Kokrajhar	non_command	2	0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
583	AS20010	Assam	Kokrajhar	non_command	3	1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
584	AS20010	Assam	Kokrajhar	non_command	4	1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
585	AS20010	Assam	Kokrajhar	non_command	5	2.0-2.5	1	2.5	1	984.6	0	2.25	2.25	153	212
586	AS20010	Assam	Kokrajhar	non_command	6	2.5-3.0	1	2.5	1	946.5	0	2.75	2.75	153	212
587	AS20010	Assam	Kokrajhar	non_command	7	3.0-3.5	1	2.5	1	501.1	1451	3.25	3.25	153	212
588	AS20010	Assam	Kokrajhar	non_command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
589	AS20010	Assam	Kokrajhar	non_command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
590	AS20010	Assam	Kokrajhar	non_command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
591	AS20010	Assam	Kokrajhar	poor_quality		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
592	AS20010	Assam	Kokrajhar	poor_quality		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
593	AS20010	Assam	Kokrajhar	poor_quality		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
594	AS20010	Assam	Kokrajhar	poor_quality		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
595	AS20010	Assam	Kokrajhar	poor_quality		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
596	AS20010	Assam	Kokrajhar	poor_quality		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
597	AS20010	Assam	Kokrajhar	poor_quality		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
598	AS20010	Assam	Kokrajhar	poor_quality		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
599	AS20010	Assam	Kokrajhar	poor_quality		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
600	AS20010	Assam	Kokrajhar	poor_quality		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
601	AS21010	Assam	Lakhimpur	command		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
602	AS21010	Assam	Lakhimpur	command		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
603	AS21010	Assam	Lakhimpur	command		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
604	AS21010	Assam	Lakhimpur	command		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
605	AS21010	Assam	Lakhimpur	command		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
606	AS21010	Assam	Lakhimpur	command		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
607	AS21010	Assam	Lakhimpur	command		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
608	AS21010	Assam	Lakhimpur	command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
609	AS21010	Assam	Lakhimpur	command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
610	AS21010	Assam	Lakhimpur	command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
611	AS21010	Assam	Lakhimpur	non_command	1	0.0-0.5	1	2.5	1	1575	0	0.25	0.25	153	212
612	AS21010	Assam	Lakhimpur	non_command	2	0.5-1.0	1	2.5	1	2134	0	0.75	0.75	153	212
613	AS21010	Assam	Lakhimpur	non_command	3	1.0-1.5	1	2.5	1	2919	7454	1.25	1.25	153	212
614	AS21010	Assam	Lakhimpur	non_command	4	1.5-2.0	1	2.5	1	2948	6193	1.75	1.75	153	212
615	AS21010	Assam	Lakhimpur	non_command	5	2.0-2.5	1	2.5	1	7558	4121	2.25	2.25	153	212
616	AS21010	Assam	Lakhimpur	non_command	6	2.5-3.0	1	2.5	1	5045	2004	2.75	2.75	153	212
617	AS21010	Assam	Lakhimpur	non_command	7	3.0-3.5	1	2.5	1	5452	5773	3.25	3.25	153	212
618	AS21010	Assam	Lakhimpur	non_command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
619	AS21010	Assam	Lakhimpur	non_command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
620	AS21010	Assam	Lakhimpur	non_command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
621	AS21010	Assam	Lakhimpur	poor_quality		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
622	AS21010	Assam	Lakhimpur	poor_quality		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
623	AS21010	Assam	Lakhimpur	poor_quality		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
624	AS21010	Assam	Lakhimpur	poor_quality		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
625	AS21010	Assam	Lakhimpur	poor_quality		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
626	AS21010	Assam	Lakhimpur	poor_quality		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
627	AS21010	Assam	Lakhimpur	poor_quality		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
628	AS21010	Assam	Lakhimpur	poor_quality		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
629	AS21010	Assam	Lakhimpur	poor_quality		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
630	AS21010	Assam	Lakhimpur	poor_quality		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
631	AS22010	Assam	Morigaon	command		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
632	AS22010	Assam	Morigaon	command		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
633	AS22010	Assam	Morigaon	command		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
634	AS22010	Assam	Morigaon	command		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
635	AS22010	Assam	Morigaon	command		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
636	AS22010	Assam	Morigaon	command		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
637	AS22010	Assam	Morigaon	command		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
638	AS22010	Assam	Morigaon	command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
639	AS22010	Assam	Morigaon	command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
640	AS22010	Assam	Morigaon	command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
641	AS22010	Assam	Morigaon	non_command	1	0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
642	AS22010	Assam	Morigaon	non_command	2	0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
643	AS22010	Assam	Morigaon	non_command	3	1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
644	AS22010	Assam	Morigaon	non_command	4	1.5-2.0	1	2.5	1	3434	0	1.75	1.75	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
645	AS22010	Assam	Morigaon	non_command	5	2.0-2.5	1	2.5	1	2791	3302	2.25	2.25	153	212
646	AS22010	Assam	Morigaon	non_command	6	2.5-3.0	1	2.5	1	2825	2452	2.75	2.75	153	212
647	AS22010	Assam	Morigaon	non_command	7	3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
648	AS22010	Assam	Morigaon	non_command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
649	AS22010	Assam	Morigaon	non_command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
650	AS22010	Assam	Morigaon	non_command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
651	AS22010	Assam	Morigaon	poor_quality		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
652	AS22010	Assam	Morigaon	poor_quality		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
653	AS22010	Assam	Morigaon	poor_quality		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
654	AS22010	Assam	Morigaon	poor_quality		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
655	AS22010	Assam	Morigaon	poor_quality		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
656	AS22010	Assam	Morigaon	poor_quality		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
657	AS22010	Assam	Morigaon	poor_quality		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
658	AS22010	Assam	Morigaon	poor_quality		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
659	AS22010	Assam	Morigaon	poor_quality		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
660	AS22010	Assam	Morigaon	poor_quality		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
661	AS23010	Assam	Nagaon	command		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
662	AS23010	Assam	Nagaon	command		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
663	AS23010	Assam	Nagaon	command		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
664	AS23010	Assam	Nagaon	command		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
665	AS23010	Assam	Nagaon	command		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
666	AS23010	Assam	Nagaon	command		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
667	AS23010	Assam	Nagaon	command		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
668	AS23010	Assam	Nagaon	command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
669	AS23010	Assam	Nagaon	command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
670	AS23010	Assam	Nagaon	command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
671	AS23010	Assam	Nagaon	non_command	1	0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
672	AS23010	Assam	Nagaon	non_command	2	0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
673	AS23010	Assam	Nagaon	non_command	3	1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
674	AS23010	Assam	Nagaon	non_command	4	1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
675	AS23010	Assam	Nagaon	non_command	5	2.0-2.5	1	2.5	1	3819	1347	2.25	2.25	153	212
676	AS23010	Assam	Nagaon	non_command	6	2.5-3.0	1	2.5	1	2831	1221	2.75	2.75	153	212
677	AS23010	Assam	Nagaon	non_command	7	3.0-3.5	1	2.5	1	3197	4812	3.25	3.25	153	212
678	AS23010	Assam	Nagaon	non_command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
679	AS23010	Assam	Nagaon	non_command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
680	AS23010	Assam	Nagaon	non_command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
681	AS23010	Assam	Nagaon	poor_quality		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
682	AS23010	Assam	Nagaon	poor_quality		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
683	AS23010	Assam	Nagaon	poor_quality		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
684	AS23010	Assam	Nagaon	poor_quality		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
685	AS23010	Assam	Nagaon	poor_quality		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
686	AS23010	Assam	Nagaon	poor_quality		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
687	AS23010	Assam	Nagaon	poor_quality		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
688	AS23010	Assam	Nagaon	poor_quality		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
689	AS23010	Assam	Nagaon	poor_quality		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
690	AS23010	Assam	Nagaon	poor_quality		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
691	AS24010	Assam	Nalbari	command		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
692	AS24010	Assam	Nalbari	command		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
693	AS24010	Assam	Nalbari	command		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
694	AS24010	Assam	Nalbari	command		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
695	AS24010	Assam	Nalbari	command		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
696	AS24010	Assam	Nalbari	command		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
697	AS24010	Assam	Nalbari	command		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
698	AS24010	Assam	Nalbari	command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
699	AS24010	Assam	Nalbari	command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
700	AS24010	Assam	Nalbari	command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
701	AS24010	Assam	Nalbari	non_command	1	0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
702	AS24010	Assam	Nalbari	non_command	2	0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
703	AS24010	Assam	Nalbari	non_command	3	1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
704	AS24010	Assam	Nalbari	non_command	4	1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
705	AS24010	Assam	Nalbari	non_command	5	2.0-2.5	1	2.5	1	3625	4317	2.25	2.25	153	212
706	AS24010	Assam	Nalbari	non_command	6	2.5-3.0	1	2.5	1	1278	1518	2.75	2.75	153	212
707	AS24010	Assam	Nalbari	non_command	7	3.0-3.5	1	2.5	1	3343	3413	3.25	3.25	153	212
708	AS24010	Assam	Nalbari	non_command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
				d											
709	AS24010	Assam	Nalbari	non_command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
710	AS24010	Assam	Nalbari	non_command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
711	AS24010	Assam	Nalbari	poor_quality		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
712	AS24010	Assam	Nalbari	poor_quality		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
713	AS24010	Assam	Nalbari	poor_quality		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
714	AS24010	Assam	Nalbari	poor_quality		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
715	AS24010	Assam	Nalbari	poor_quality		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
716	AS24010	Assam	Nalbari	poor_quality		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
717	AS24010	Assam	Nalbari	poor_quality		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
718	AS24010	Assam	Nalbari	poor_quality		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
719	AS24010	Assam	Nalbari	poor_quality		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
720	AS24010	Assam	Nalbari	poor_quality		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
721	AS25010	Assam	Sivasagar	command		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
722	AS25010	Assam	Sivasagar	command		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
723	AS25010	Assam	Sivasagar	command		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
724	AS25010	Assam	Sivasagar	command		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
725	AS25010	Assam	Sivasagar	command		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
726	AS25010	Assam	Sivasagar	command		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
727	AS25010	Assam	Sivasagar	command		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
728	AS25010	Assam	Sivasagar	command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
729	AS25010	Assam	Sivasagar	command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
730	AS25010	Assam	Sivasagar	command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
731	AS25010	Assam	Sivasagar	non_command	1	0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
732	AS25010	Assam	Sivasagar	non_command	2	0.5-1.0	1	2.5	1	802.	802.	0.75	0.75	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
				d						7	4				
733	AS25010	Assam	Sivasagar	non_command	3	1.0-1.5	1	2.5	1	1398	1398	1.25	1.25	153	212
734	AS25010	Assam	Sivasagar	non_command	4	1.5-2.0	1	2.5	1	568.1	568.1	1.75	1.75	153	212
735	AS25010	Assam	Sivasagar	non_command	5	2.0-2.5	1	2.5	1	41520	39870	2.25	2.25	153	212
736	AS25010	Assam	Sivasagar	non_command	6	2.5-3.0	1	2.5	1	53100	52140	2.75	2.75	153	212
737	AS25010	Assam	Sivasagar	non_command	7	3.0-3.5	1	2.5	1	33860	32130	3.25	3.25	153	212
738	AS25010	Assam	Sivasagar	non_command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
739	AS25010	Assam	Sivasagar	non_command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
740	AS25010	Assam	Sivasagar	non_command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
741	AS25010	Assam	Sivasagar	poor_quality		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
742	AS25010	Assam	Sivasagar	poor_quality		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
743	AS25010	Assam	Sivasagar	poor_quality		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
744	AS25010	Assam	Sivasagar	poor_quality		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
745	AS25010	Assam	Sivasagar	poor_quality		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
746	AS25010	Assam	Sivasagar	poor_quality		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
747	AS25010	Assam	Sivasagar	poor_quality		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
748	AS25010	Assam	Sivasagar	poor_quality		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
749	AS25010	Assam	Sivasagar	poor_quality		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
750	AS25010	Assam	Sivasagar	poor_quality		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
751	AS26010	Assam	Sonitpur	command		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
752	AS26010	Assam	Sonitpur	command		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
753	AS26010	Assam	Sonitpur	command		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
754	AS26010	Assam	Sonitpur	command		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
755	AS26010	Assam	Sonitpur	command		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
756	AS26010	Assam	Sonitpur	command		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
757	AS26010	Assam	Sonitpur	command		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
758	AS26010	Assam	Sonitpur	command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
759	AS26010	Assam	Sonitpur	command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
760	AS26010	Assam	Sonitpur	command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
761	AS26010	Assam	Sonitpur	non_command	1	0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
762	AS26010	Assam	Sonitpur	non_command	2	0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
763	AS26010	Assam	Sonitpur	non_command	3	1.0-1.5	1	2.5	1	1026	2269	1.25	1.25	153	212
764	AS26010	Assam	Sonitpur	non_command	4	1.5-2.0	1	2.5	1	1149	2792	1.75	1.75	153	212
765	AS26010	Assam	Sonitpur	non_command	5	2.0-2.5	1	2.5	1	5912	5959	2.25	2.25	153	212
766	AS26010	Assam	Sonitpur	non_command	6	2.5-3.0	1	2.5	1	8398	8236	2.75	2.75	153	212
767	AS26010	Assam	Sonitpur	non_command	7	3.0-3.5	1	2.5	1	6045	6172	3.25	3.25	153	212
768	AS26010	Assam	Sonitpur	non_command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
769	AS26010	Assam	Sonitpur	non_command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
770	AS26010	Assam	Sonitpur	non_command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
771	AS26010	Assam	Sonitpur	poor_quality		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
772	AS26010	Assam	Sonitpur	poor_quality		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
773	AS26010	Assam	Sonitpur	poor_quality		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
774	AS26010	Assam	Sonitpur	poor_quality		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
775	AS26010	Assam	Sonitpur	poor_quality		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
776	AS26010	Assam	Sonitpur	poor_quality		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
777	AS26010	Assam	Sonitpur	poor_quality		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
778	AS26010	Assam	Sonitpur	poor_quality		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
779	AS26010	Assam	Sonitpur	poor_quality		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
780	AS26010	Assam	Sonitpur	poor_quality		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
781	AS27010	Assam	Tinsukia	command		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
782	AS27010	Assam	Tinsukia	command		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
783	AS27010	Assam	Tinsukia	command		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
784	AS27010	Assam	Tinsukia	command		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
785	AS27010	Assam	Tinsukia	command		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
786	AS27010	Assam	Tinsukia	command		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
787	AS27010	Assam	Tinsukia	command		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
788	AS27010	Assam	Tinsukia	command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
789	AS27010	Assam	Tinsukia	command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
790	AS27010	Assam	Tinsukia	command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
791	AS27010	Assam	Tinsukia	non_command	1	0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
792	AS27010	Assam	Tinsukia	non_command	2	0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
793	AS27010	Assam	Tinsukia	non_command	3	1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
794	AS27010	Assam	Tinsukia	non_command	4	1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
795	AS27010	Assam	Tinsukia	non_command	5	2.0-2.5	1	2.5	1	118500	83840	2.25	2.25	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
796	AS27010	Assam	Tinsukia	non_command	6	2.5-3.0	1	2.5	1	3653	3246	2.75	2.75	153	212
797	AS27010	Assam	Tinsukia	non_command	7	3.0-3.5	1	2.5	1	7743	2519	3.25	3.25	153	212
798	AS27010	Assam	Tinsukia	non_command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
799	AS27010	Assam	Tinsukia	non_command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
800	AS27010	Assam	Tinsukia	non_command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
801	AS27010	Assam	Tinsukia	poor_quality		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
802	AS27010	Assam	Tinsukia	poor_quality		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
803	AS27010	Assam	Tinsukia	poor_quality		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
804	AS27010	Assam	Tinsukia	poor_quality		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
805	AS27010	Assam	Tinsukia	poor_quality		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
806	AS27010	Assam	Tinsukia	poor_quality		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
807	AS27010	Assam	Tinsukia	poor_quality		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
808	AS27010	Assam	Tinsukia	poor_quality		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
809	AS27010	Assam	Tinsukia	poor_quality		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
810	AS27010	Assam	Tinsukia	poor_quality		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
811	AS28010	Assam	Udalguri	command		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
812	AS28010	Assam	Udalguri	command		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
813	AS28010	Assam	Udalguri	command		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
814	AS28010	Assam	Udalguri	command		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
815	AS28010	Assam	Udalguri	command		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
816	AS28010	Assam	Udalguri	command		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
817	AS28010	Assam	Udalguri	command		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
818	AS28010	Assam	Udalguri	command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
819	AS28010	Assam	Udalguri	command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
820	AS28010	Assam	Udalguri	command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
821	AS28010	Assam	Udalguri	non_command	1	0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
822	AS28010	Assam	Udalguri	non_command	2	0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
823	AS28010	Assam	Udalguri	non_command	3	1.0-1.5	1	2.5	1	1322	0	1.25	1.25	153	212
824	AS28010	Assam	Udalguri	non_command	4	1.5-2.0	1	2.5	1	1935	0	1.75	1.75	153	212
825	AS28010	Assam	Udalguri	non_command	5	2.0-2.5	1	2.5	1	6807	8334	2.25	2.25	153	212
826	AS28010	Assam	Udalguri	non_command	6	2.5-3.0	1	2.5	1	3791	3627	2.75	2.75	153	212
827	AS28010	Assam	Udalguri	non_command	7	3.0-3.5	1	2.5	1	3753	3032	3.25	3.25	153	212
828	AS28010	Assam	Udalguri	non_command		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212
829	AS28010	Assam	Udalguri	non_command		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
830	AS28010	Assam	Udalguri	non_command		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212
831	AS28010	Assam	Udalguri	poor_quality		0.0-0.5	1	2.5	1	0	0	0.25	0.25	153	212
832	AS28010	Assam	Udalguri	poor_quality		0.5-1.0	1	2.5	1	0	0	0.75	0.75	153	212
833	AS28010	Assam	Udalguri	poor_quality		1.0-1.5	1	2.5	1	0	0	1.25	1.25	153	212
834	AS28010	Assam	Udalguri	poor_quality		1.5-2.0	1	2.5	1	0	0	1.75	1.75	153	212
835	AS28010	Assam	Udalguri	poor_quality		2.0-2.5	1	2.5	1	0	0	2.25	2.25	153	212
836	AS28010	Assam	Udalguri	poor_quality		2.5-3.0	1	2.5	1	0	0	2.75	2.75	153	212
837	AS28010	Assam	Udalguri	poor_quality		3.0-3.5	1	2.5	1	0	0	3.25	3.25	153	212
838	AS28010	Assam	Udalguri	poor_quality		3.5-4.0	1	2.5	1	0	0	3.75	3.75	153	212

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	Zone No.	Zone Description	Transpiration rate in mm/day	Average Root Depth in m	Capillary rise in m	Area in hectare		Average ground water level in the zone in m		No of days Transpiration takes place	
										Mons oon	Non Mons oon	Mons oon	Non Mons oon	Mons oon	Non Mons oon
839	AS28010	Assam	Udalguri	poor_quality		4.0-4.5	1	2.5	1	0	0	4.25	4.25	153	212
840	AS28010	Assam	Udalguri	poor_quality		4.5-5.0	1	2.5	1	0	0	4.75	4.75	153	212

Annexure XIII:

Rainfall Data: "Rainfall Data at Assessment unit level" input sheet for ASSAM, ASSAM for year 2019-2020

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	*Year	Monsoon		Non-Monsoon	
						*Actual (mm)	*Normal (mm)	*Actual (mm)	*Normal (mm)
1	AS01010	Assam	Baksa	Command	2016-2017	1854.77	2441	571.3	833.6
2	AS01010	Assam	Baksa	Non Command	2016-2017	1854.77	2441	571.3	833.6
3	AS01010	Assam	Baksa	Poor Quality	2016-2017	0	0	0	0
4	AS01010	Assam	Baksa	Command	2012-2013	2226.9	2441	464.7	833.6
5	AS01010	Assam	Baksa	Non Command	2012-2013	2226.9	2441	464.7	833.6
6	AS01010	Assam	Baksa	Poor Quality	2012-2013	0	0	0	0
7	AS01010	Assam	Baksa	Command	2018-2019	1481.8	2441	810.18	833.6
8	AS01010	Assam	Baksa	Non Command	2018-2019	1481.1	2441	810.18	833.6
9	AS01010	Assam	Baksa	Poor Quality	2018-2019	0	0	0	0
10	AS01010	Assam	Baksa	Command	2015-2016	1560	2441	739	833.6
11	AS01010	Assam	Baksa	Non Command	2015-2016	1560	2441	739	833.6
12	AS01010	Assam	Baksa	Poor Quality	2015-2016	0	0	0	0
13	AS01010	Assam	Baksa	Command	2014-2015	1418	2441	712.5	833.6
14	AS01010	Assam	Baksa	Non Command	2014-2015	1418	2441	712.5	833.6
15	AS01010	Assam	Baksa	Poor Quality	2014-2015	0	0	0	0
16	AS01010	Assam	Baksa	Command	2017-2018	1261.1	2441	500.3	833.6
17	AS01010	Assam	Baksa	Non Command	2017-2018	1261.1	2441	500.3	833.6
18	AS01010	Assam	Baksa	Poor Quality	2017-2018	0	0	0	0
19	AS01010	Assam	Baksa	Command	2019-2020	1869.2	2441	779.6	833.6
20	AS01010	Assam	Baksa	Non Command	2019-2020	1869.2	2441	779.6	833.6
21	AS01010	Assam	Baksa	Poor Quality	2019-2020	0	0	0	0
22	AS01010	Assam	Baksa	Command	2013-2014	1047.5	2441	428.3	833.6
23	AS01010	Assam	Baksa	Non Command	2013-2014	1047.5	2441	428.3	833.6
24	AS01010	Assam	Baksa	Poor Quality	2013-2014	0	0	0	0

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	*Year	Monsoon		Non-Monsoon	
						*Actual (mm)	*Normal (mm)	*Actual (mm)	*Normal (mm)
25	AS02010	Assam	Barpeta	Command	2016-2017	1892	2441	665.7	833.6
26	AS02010	Assam	Barpeta	Non Command	2016-2017	1892	2441	665.7	833.6
27	AS02010	Assam	Barpeta	Poor Quality	2016-2017	0	0	0	0
28	AS02010	Assam	Barpeta	Command	2012-2013	2452	2441	522.2	833.6
29	AS02010	Assam	Barpeta	Non Command	2012-2013	2452	2441	522.2	833.6
30	AS02010	Assam	Barpeta	Poor Quality	2012-2013	0	0	0	0
31	AS02010	Assam	Barpeta	Command	2018-2019	3866.2	2441	855.42	833.6
32	AS02010	Assam	Barpeta	Non Command	2018-2019	3866.2	2441	855.42	833.6
33	AS02010	Assam	Barpeta	Poor Quality	2018-2019	0	0	0	0
34	AS02010	Assam	Barpeta	Command	2015-2016	2460.3	2441	775	833.6
35	AS02010	Assam	Barpeta	Non Command	2015-2016	2460.3	2441	775	833.6
36	AS02010	Assam	Barpeta	Poor Quality	2015-2016	0	0	0	0
37	AS02010	Assam	Barpeta	Command	2014-2015	1989.6	2441	724.8	833.6
38	AS02010	Assam	Barpeta	Non Command	2014-2015	1989.6	2441	724.8	833.6
39	AS02010	Assam	Barpeta	Poor Quality	2014-2015	0	0	0	0
40	AS02010	Assam	Barpeta	Command	2017-2018	2463.6	2441	724.4	833.6
41	AS02010	Assam	Barpeta	Non Command	2017-2018	2463.6	2441	724.4	833.6
42	AS02010	Assam	Barpeta	Poor Quality	2017-2018	0	0	0	0
43	AS02010	Assam	Barpeta	Command	2019-2020	1485.14	2441	783.8	833.6
44	AS02010	Assam	Barpeta	Non Command	2019-2020	1485.14	2441	783.8	833.6
45	AS02010	Assam	Barpeta	Poor Quality	2019-2020	0	0	0	0
46	AS02010	Assam	Barpeta	Command	2013-2014	1657.1	2441	665.3	833.6
47	AS02010	Assam	Barpeta	Non Command	2013-2014	1657.1	2441	665.3	833.6
48	AS02010	Assam	Barpeta	Poor Quality	2013-2014	0	0	0	0
49	AS03010	Assam	Bongaigaon	Command	2016-2017	0	0	0	0
50	AS03010	Assam	Bongaigaon	Non Command	2016-2017	1964.3	2296.1	723.4	922.6
51	AS03010	Assam	Bongaigaon	Poor Quality	2016-2017	0	0	0	0

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	*Year	Monsoon		Non-Monsoon	
						*Actual (mm)	*Normal (mm)	*Actual (mm)	*Normal (mm)
52	AS03010	Assam	Bongaigaon	Command	2012-2013	0	0	0	0
53	AS03010	Assam	Bongaigaon	Non Command	2012-2013	3021.8	2296.1	631.8	922.6
54	AS03010	Assam	Bongaigaon	Poor Quality	2012-2013	0	0	0	0
55	AS03010	Assam	Bongaigaon	Command	2018-2019	0	0	0	0
56	AS03010	Assam	Bongaigaon	Non Command	2018-2019	3193.4	2296.1	964.44	922.6
57	AS03010	Assam	Bongaigaon	Poor Quality	2018-2019	0	0	0	0
58	AS03010	Assam	Bongaigaon	Command	2015-2016	0	0	0	0
59	AS03010	Assam	Bongaigaon	Non Command	2015-2016	2595.4	2296.1	872.4	922.6
60	AS03010	Assam	Bongaigaon	Poor Quality	2015-2016	0	0	0	0
61	AS03010	Assam	Bongaigaon	Command	2014-2015	0	0	0	0
62	AS03010	Assam	Bongaigaon	Non Command	2014-2015	2546.2	2296.1	648.7	922.6
63	AS03010	Assam	Bongaigaon	Poor Quality	2014-2015	0	0	0	0
64	AS03010	Assam	Bongaigaon	Command	2017-2018	0	0	0	0
65	AS03010	Assam	Bongaigaon	Non Command	2017-2018	2953.9	2296.1	804.8	922.6
66	AS03010	Assam	Bongaigaon	Poor Quality	2017-2018	0	0	0	0
67	AS03010	Assam	Bongaigaon	Command	2019-2020	0	0	693.3	0
68	AS03010	Assam	Bongaigaon	Non Command	2019-2020	2297.59	2296.1	693.3	922.6
69	AS03010	Assam	Bongaigaon	Poor Quality	2019-2020	0	0	0	0
70	AS03010	Assam	Bongaigaon	Command	2013-2014	0	0	0	0
71	AS03010	Assam	Bongaigaon	Non Command	2013-2014	1645.9	2296.1	656.7	922.6
72	AS03010	Assam	Bongaigaon	Poor Quality	2013-2014	0	0	0	0
73	AS04010	Assam	Cachar	Command	2016-2017	0	0	0	0
74	AS04010	Assam	Cachar	Non Command	2016-2017	1847.4	1889.9	1133.3	1109.3
75	AS04010	Assam	Cachar	Poor Quality	2016-2017	0	0	0	0
76	AS04010	Assam	Cachar	Command	2012-2013	0	0	0	0
77	AS04010	Assam	Cachar	Non Command	2012-2013	2013.6	1889.9	951.8	1109.3
78	AS04010	Assam	Cachar	Poor Quality	2012-2013	0	0	0	0

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	*Year	Monsoon		Non-Monsoon	
						*Actual (mm)	*Normal (mm)	*Actual (mm)	*Normal (mm)
79	AS04010	Assam	Cachar	Command	2018-2019	0	0	0	0
80	AS04010	Assam	Cachar	Non Command	2018-2019	3209	1889.9	466.36	1109.3
81	AS04010	Assam	Cachar	Poor Quality	2018-2019	0	0	0	0
82	AS04010	Assam	Cachar	Command	2015-2016	0	0	0	0
83	AS04010	Assam	Cachar	Non Command	2015-2016	1707.2	1889.9	1194.1	1109.3
84	AS04010	Assam	Cachar	Poor Quality	2015-2016	0	0	0	0
85	AS04010	Assam	Cachar	Command	2014-2015	0	0	0	0
86	AS04010	Assam	Cachar	Non Command	2014-2015	2123	1889.9	801.5	1109.3
87	AS04010	Assam	Cachar	Poor Quality	2014-2015	0	0	0	0
88	AS04010	Assam	Cachar	Command	2017-2018	0	0	0	0
89	AS04010	Assam	Cachar	Non Command	2017-2018	2193	1889.9	865.1	1109.3
90	AS04010	Assam	Cachar	Poor Quality	2017-2018	0	0	0	0
91	AS04010	Assam	Cachar	Command	2019-2020	0	0	560	0
92	AS04010	Assam	Cachar	Non Command	2019-2020	2158.2	1889.9	560	1109.3
93	AS04010	Assam	Cachar	Poor Quality	2019-2020	0	0	0	0
94	AS04010	Assam	Cachar	Command	2013-2014	0	0	0	0
95	AS04010	Assam	Cachar	Non Command	2013-2014	1677.6	1889.9	851.5	1109.3
96	AS04010	Assam	Cachar	Poor Quality	2013-2014	0	0	0	0
97	AS05010	Assam	Chirang	Command	2016-2017	2590.4	2296.1	973.5	922.6
98	AS05010	Assam	Chirang	Non Command	2016-2017	2590.4	2296.1	973.5	922.6
99	AS05010	Assam	Chirang	Poor Quality	2016-2017	0	0	0	0
100	AS05010	Assam	Chirang	Command	2012-2013	3133.6	2296.1	512.3	922.6
101	AS05010	Assam	Chirang	Non Command	2012-2013	3133.6	2296.1	512.3	922.6
102	AS05010	Assam	Chirang	Poor Quality	2012-2013	0	0	0	0
103	AS05010	Assam	Chirang	Command	2018-2019	5193	2296.1	908.16	922.6
104	AS05010	Assam	Chirang	Non Command	2018-2019	5193	2296.1	908.16	922.6
105	AS05010	Assam	Chirang	Poor Quality	2018-2019	0	0	0	0

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	*Year	Monsoon		Non-Monsoon	
						*Actual (mm)	*Normal (mm)	*Actual (mm)	*Normal (mm)
106	AS05010	Assam	Chirang	Command	2015-2016	3246.2	2296.1	1099.1	922.6
107	AS05010	Assam	Chirang	Non Command	2015-2016	3246.2	2296.1	1099.1	922.6
108	AS05010	Assam	Chirang	Poor Quality	2015-2016	0	0	0	0
109	AS05010	Assam	Chirang	Command	2014-2015	3425.3	2296.1	1216.7	922.6
110	AS05010	Assam	Chirang	Non Command	2014-2015	3425.3	2296.1	1216.7	922.6
111	AS05010	Assam	Chirang	Poor Quality	2014-2015	0	0	0	0
112	AS05010	Assam	Chirang	Command	2017-2018	3896.9	2296.1	875.1	922.6
113	AS05010	Assam	Chirang	Non Command	2017-2018	3896.9	2296.1	875.1	922.6
114	AS05010	Assam	Chirang	Poor Quality	2017-2018	0	0	0	0
115	AS05010	Assam	Chirang	Command	2019-2020	2809.5	2296.1	970	922.6
116	AS05010	Assam	Chirang	Non Command	2019-2020	2809.5	2296.1	970	922.6
117	AS05010	Assam	Chirang	Poor Quality	2019-2020	0	0	0	0
118	AS05010	Assam	Chirang	Command	2013-2014	1640.9	2296.1	1107.7	922.6
119	AS05010	Assam	Chirang	Non Command	2013-2014	1640.9	2296.1	1107.7	922.6
120	AS05010	Assam	Chirang	Poor Quality	2013-2014	0	0	0	0
121	AS06010	Assam	Darrang	Command	2016-2017	0	0	0	0
122	AS06010	Assam	Darrang	Non Command	2016-2017	0	1259.1	0	698.7
123	AS06010	Assam	Darrang	Poor Quality	2016-2017	0	0	0	0
124	AS06010	Assam	Darrang	Command	2012-2013	0	0	0	0
125	AS06010	Assam	Darrang	Non Command	2012-2013	1354.5	1259.1	603.3	698.7
126	AS06010	Assam	Darrang	Poor Quality	2012-2013	0	0	0	0
127	AS06010	Assam	Darrang	Command	2018-2019	0	0	0	0
128	AS06010	Assam	Darrang	Non Command	2018-2019	158	1259.1	597.43	698.7
129	AS06010	Assam	Darrang	Poor Quality	2018-2019	0	0	0	0
130	AS06010	Assam	Darrang	Command	2015-2016	0	0	0	0
131	AS06010	Assam	Darrang	Non Command	2015-2016	0	1259.1	0	698.7
132	AS06010	Assam	Darrang	Poor Quality	2015-2016	0	0	0	0

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	*Year	Monsoon		Non-Monsoon	
						*Actual (mm)	*Normal (mm)	*Actual (mm)	*Normal (mm)
133	AS06010	Assam	Darrang	Command	2014-2015	0	0	0	0
134	AS06010	Assam	Darrang	Non Command	2014-2015	962	1259.1	198.2	698.7
135	AS06010	Assam	Darrang	Poor Quality	2014-2015	0	0	0	0
136	AS06010	Assam	Darrang	Command	2017-2018	0	0	0	0
137	AS06010	Assam	Darrang	Non Command	2017-2018	0	1259.1	0	698.7
138	AS06010	Assam	Darrang	Poor Quality	2017-2018	0	0	0	0
139	AS06010	Assam	Darrang	Command	2019-2020	0	0	0	0
140	AS06010	Assam	Darrang	Non Command	2019-2020	443.4	1259.1	186	698.7
141	AS06010	Assam	Darrang	Poor Quality	2019-2020	0	0	0	0
142	AS06010	Assam	Darrang	Command	2013-2014	0	0	0	0
143	AS06010	Assam	Darrang	Non Command	2013-2014	1054	1259.1	415	698.7
144	AS06010	Assam	Darrang	Poor Quality	2013-2014	0	0	0	0
145	AS07010	Assam	Dhemaji	Command	2016-2017	0	0	0	0
146	AS07010	Assam	Dhemaji	Non Command	2016-2017	1408	2025.2	678.2	834.1
147	AS07010	Assam	Dhemaji	Poor Quality	2016-2017	0	0	0	0
148	AS07010	Assam	Dhemaji	Command	2012-2013	0	0	0	0
149	AS07010	Assam	Dhemaji	Non Command	2012-2013	1982	2025.2	491	834.1
150	AS07010	Assam	Dhemaji	Poor Quality	2012-2013	0	0	0	0
151	AS07010	Assam	Dhemaji	Command	2018-2019	0	0	0	0
152	AS07010	Assam	Dhemaji	Non Command	2018-2019	667.2	2025.2	796.4	834.1
153	AS07010	Assam	Dhemaji	Poor Quality	2018-2019	0	0	0	0
154	AS07010	Assam	Dhemaji	Command	2015-2016	0	0	0	0
155	AS07010	Assam	Dhemaji	Non Command	2015-2016	1698	2025.2	53	834.1
156	AS07010	Assam	Dhemaji	Poor Quality	2015-2016	0	0	0	0
157	AS07010	Assam	Dhemaji	Command	2014-2015	0	0	0	0
158	AS07010	Assam	Dhemaji	Non Command	2014-2015	1677	2025.2	626	834.1
159	AS07010	Assam	Dhemaji	Poor Quality	2014-2015	0	0	0	0

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	*Year	Monsoon		Non-Monsoon	
						*Actual (mm)	*Normal (mm)	*Actual (mm)	*Normal (mm)
160	AS07010	Assam	Dhemaji	Command	2017-2018	0	0	0	0
161	AS07010	Assam	Dhemaji	Non Command	2017-2018	2270	2025.2	215	834.1
162	AS07010	Assam	Dhemaji	Poor Quality	2017-2018	0	0	0	0
163	AS07010	Assam	Dhemaji	Command	2019-2020	0	0	0	0
164	AS07010	Assam	Dhemaji	Non Command	2019-2020	2568.3	2025.2	864.6	834.1
165	AS07010	Assam	Dhemaji	Poor Quality	2019-2020	0	0	0	0
166	AS07010	Assam	Dhemaji	Command	2013-2014	0	0	0	0
167	AS07010	Assam	Dhemaji	Non Command	2013-2014	1314	2025.2	521	834.1
168	AS07010	Assam	Dhemaji	Poor Quality	2013-2014	0	0	0	0
169	AS08010	Assam	Dhubri	Command	2016-2017	0	0	0	0
170	AS08010	Assam	Dhubri	Non Command	2016-2017	1608.1	1916.5	812.5	786.1
171	AS08010	Assam	Dhubri	Poor Quality	2016-2017	0	0	0	0
172	AS08010	Assam	Dhubri	Command	2012-2013	0	0	0	0
173	AS08010	Assam	Dhubri	Non Command	2012-2013	2372.8	1916.5	395.6	786.1
174	AS08010	Assam	Dhubri	Poor Quality	2012-2013	0	0	0	0
175	AS08010	Assam	Dhubri	Command	2018-2019	0	0	0	0
176	AS08010	Assam	Dhubri	Non Command	2018-2019	2082.4	1916.5	836.97	786.1
177	AS08010	Assam	Dhubri	Poor Quality	2018-2019	0	0	0	0
178	AS08010	Assam	Dhubri	Command	2015-2016	0	0	0	0
179	AS08010	Assam	Dhubri	Non Command	2015-2016	1818.8	1916.5	816	786.1
180	AS08010	Assam	Dhubri	Poor Quality	2015-2016	0	0	0	0
181	AS08010	Assam	Dhubri	Command	2014-2015	0	0	0	0
182	AS08010	Assam	Dhubri	Non Command	2014-2015	1745.3	1916.5	852.4	786.1
183	AS08010	Assam	Dhubri	Poor Quality	2014-2015	0	0	0	0
184	AS08010	Assam	Dhubri	Command	2017-2018	0	0	0	0
185	AS08010	Assam	Dhubri	Non Command	2017-2018	1676.9	1916.5	782.6	786.1
186	AS08010	Assam	Dhubri	Poor Quality	2017-2018	0	0	0	0

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	*Year	Monsoon		Non-Monsoon	
						*Actual (mm)	*Normal (mm)	*Actual (mm)	*Normal (mm)
187	AS08010	Assam	Dhubri	Command	2019-2020	0	0	0	0
188	AS08010	Assam	Dhubri	Non Command	2019-2020	1830.6	1916.5	883.8	786.1
189	AS08010	Assam	Dhubri	Poor Quality	2019-2020	0	0	0	0
190	AS08010	Assam	Dhubri	Command	2013-2014	0	0	0	0
191	AS08010	Assam	Dhubri	Non Command	2013-2014	1110.5	1916.5	508	786.1
192	AS08010	Assam	Dhubri	Poor Quality	2013-2014	0	0	0	0
193	AS09010	Assam	Dibrugarh	Command	2016-2017	1303.4	1651.4	789	905.2
194	AS09010	Assam	Dibrugarh	Non Command	2016-2017	1303.4	1651.4	789	905.2
195	AS09010	Assam	Dibrugarh	Poor Quality	2016-2017	0	0	0	0
196	AS09010	Assam	Dibrugarh	Command	2012-2013	1717.7	1651.4	773.8	905.2
197	AS09010	Assam	Dibrugarh	Non Command	2012-2013	1717.7	1651.4	773.8	905.2
198	AS09010	Assam	Dibrugarh	Poor Quality	2012-2013	0	0	0	0
199	AS09010	Assam	Dibrugarh	Command	2018-2019	2605.8	1651.4	861.54	905.2
200	AS09010	Assam	Dibrugarh	Non Command	2018-2019	2605.8	1651.4	861.54	905.2
201	AS09010	Assam	Dibrugarh	Poor Quality	2018-2019	0	0	0	0
202	AS09010	Assam	Dibrugarh	Command	2015-2016	1575.8	1651.4	1006.4	905.2
203	AS09010	Assam	Dibrugarh	Non Command	2015-2016	1575.8	1651.4	1006.4	905.2
204	AS09010	Assam	Dibrugarh	Poor Quality	2015-2016	0	0	0	0
205	AS09010	Assam	Dibrugarh	Command	2014-2015	1324.1	1651.4	693.7	905.2
206	AS09010	Assam	Dibrugarh	Non Command	2014-2015	1324.1	1651.4	693.7	905.2
207	AS09010	Assam	Dibrugarh	Poor Quality	2014-2015	0	0	0	0
208	AS09010	Assam	Dibrugarh	Command	2017-2018	1485.6	1651.4	506.9	905.2
209	AS09010	Assam	Dibrugarh	Non Command	2017-2018	1485.6	1651.4	506.9	905.2
210	AS09010	Assam	Dibrugarh	Poor Quality	2017-2018	0	0	0	0
211	AS09010	Assam	Dibrugarh	Command	2019-2020	1439.3	1651.4	561.8	905.2
212	AS09010	Assam	Dibrugarh	Non Command	2019-2020	1439.3	1651.4	561.8	905.2
213	AS09010	Assam	Dibrugarh	Poor Quality	2019-2020	0	0	0	0

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	*Year	Monsoon		Non-Monsoon	
						*Actual (mm)	*Normal (mm)	*Actual (mm)	*Normal (mm)
214	AS09010	Assam	Dibrugarh	Command	2013-2014	1595	1651.4	485.1	905.2
215	AS09010	Assam	Dibrugarh	Non Command	2013-2014	1595	1651.4	485.1	905.2
216	AS09010	Assam	Dibrugarh	Poor Quality	2013-2014	0	0	0	0
217	AS10010	Assam	Dima Hasao	Command	2016-2017	0	0	0	0
218	AS10010	Assam	Dima Hasao	Non Command	2016-2017	566.8	988.8	1093.5	988.7
219	AS10010	Assam	Dima Hasao	Poor Quality	2016-2017	0	0	0	0
220	AS10010	Assam	Dima Hasao	Command	2012-2013	0	0	0	0
221	AS10010	Assam	Dima Hasao	Non Command	2012-2013	2812.5	988.8	718.3	988.7
222	AS10010	Assam	Dima Hasao	Poor Quality	2012-2013	0	0	0	0
223	AS10010	Assam	Dima Hasao	Command	2018-2019	0	0	0	0
224	AS10010	Assam	Dima Hasao	Non Command	2018-2019	1646.1	988.8	423.19	988.7
225	AS10010	Assam	Dima Hasao	Poor Quality	2018-2019	0	0	0	0
226	AS10010	Assam	Dima Hasao	Command	2015-2016	0	0	0	0
227	AS10010	Assam	Dima Hasao	Non Command	2015-2016	1134.8	988.8	1477	988.7
228	AS10010	Assam	Dima Hasao	Poor Quality	2015-2016	0	0	0	0
229	AS10010	Assam	Dima Hasao	Command	2014-2015	0	0	0	0
230	AS10010	Assam	Dima Hasao	Non Command	2014-2015	1232.3	988.8	470.5	988.7
231	AS10010	Assam	Dima Hasao	Poor Quality	2014-2015	0	0	0	0
232	AS10010	Assam	Dima Hasao	Command	2017-2018	0	0	0	0
233	AS10010	Assam	Dima Hasao	Non Command	2017-2018	1620.4	988.8	390.4	988.7
234	AS10010	Assam	Dima Hasao	Poor Quality	2017-2018	0	0	0	0
235	AS10010	Assam	Dima Hasao	Command	2019-2020	0	0	0	0
236	AS10010	Assam	Dima Hasao	Non Command	2019-2020	1912.1	988.8	514.2	988.7
237	AS10010	Assam	Dima Hasao	Poor Quality	2019-2020	0	0	0	0
238	AS10010	Assam	Dima Hasao	Command	2013-2014	0	0	0	0
239	AS10010	Assam	Dima Hasao	Non Command	2013-2014	920.7	988.8	366.7	988.7
240	AS10010	Assam	Dima Hasao	Poor Quality	2013-2014	0	0	0	0

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	*Year	Monsoon		Non-Monsoon	
						*Actual (mm)	*Normal (mm)	*Actual (mm)	*Normal (mm)
241	AS11010	Assam	Goalpara	Command	2016-2017	0	0	0	0
242	AS11010	Assam	Goalpara	Non Command	2016-2017	1568.1	1710.1	940.2	865.2
243	AS11010	Assam	Goalpara	Poor Quality	2016-2017	0	0	0	0
244	AS11010	Assam	Goalpara	Command	2012-2013	0	0	0	0
245	AS11010	Assam	Goalpara	Non Command	2012-2013	1741	1710.1	808.1	865.2
246	AS11010	Assam	Goalpara	Poor Quality	2012-2013	0	0	0	0
247	AS11010	Assam	Goalpara	Command	2018-2019	0	0	0	0
248	AS11010	Assam	Goalpara	Non Command	2018-2019	2284.1	1710.1	851.45	865.2
249	AS11010	Assam	Goalpara	Poor Quality	2018-2019	0	0	0	0
250	AS11010	Assam	Goalpara	Command	2015-2016	0	0	0	0
251	AS11010	Assam	Goalpara	Non Command	2015-2016	2229.3	1710.1	903.2	865.2
252	AS11010	Assam	Goalpara	Poor Quality	2015-2016	0	0	0	0
253	AS11010	Assam	Goalpara	Command	2014-2015	0	0	0	0
254	AS11010	Assam	Goalpara	Non Command	2014-2015	1533.9	1710.1	838.2	865.2
255	AS11010	Assam	Goalpara	Poor Quality	2014-2015	0	0	0	0
256	AS11010	Assam	Goalpara	Command	2017-2018	0	0	0	0
257	AS11010	Assam	Goalpara	Non Command	2017-2018	2064.5	1710.1	690.5	865.2
258	AS11010	Assam	Goalpara	Poor Quality	2017-2018	0	0	0	0
259	AS11010	Assam	Goalpara	Command	2019-2020	0	0	0	0
260	AS11010	Assam	Goalpara	Non Command	2019-2020	1077.3	1710.1	1131.3	865.2
261	AS11010	Assam	Goalpara	Poor Quality	2019-2020	0	0	0	0
262	AS11010	Assam	Goalpara	Command	2013-2014	0	0	0	0
263	AS11010	Assam	Goalpara	Non Command	2013-2014	1201.7	1710.1	535.8	865.2
264	AS11010	Assam	Goalpara	Poor Quality	2013-2014	0	0	0	0
265	AS12010	Assam	Golaghat	Command	2016-2017	0	0	0	0
266	AS12010	Assam	Golaghat	Non Command	2016-2017	1085.1	1049.6	649.4	631.1
267	AS12010	Assam	Golaghat	Poor Quality	2016-2017	0	0	0	0

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	*Year	Monsoon		Non-Monsoon	
						*Actual (mm)	*Normal (mm)	*Actual (mm)	*Normal (mm)
268	AS12010	Assam	Golaghat	Command	2012-2013	0	0	0	0
269	AS12010	Assam	Golaghat	Non Command	2012-2013	1049.5	1049.6	389	631.1
270	AS12010	Assam	Golaghat	Poor Quality	2012-2013	0	0	0	0
271	AS12010	Assam	Golaghat	Command	2018-2019	0	0	0	0
272	AS12010	Assam	Golaghat	Non Command	2018-2019	1790.9	1049.6	620.79	631.1
273	AS12010	Assam	Golaghat	Poor Quality	2018-2019	0	0	0	0
274	AS12010	Assam	Golaghat	Command	2015-2016	0	0	0	0
275	AS12010	Assam	Golaghat	Non Command	2015-2016	879.9	1049.6	651.8	631.1
276	AS12010	Assam	Golaghat	Poor Quality	2015-2016	0	0	0	0
277	AS12010	Assam	Golaghat	Command	2014-2015	0	0	0	0
278	AS12010	Assam	Golaghat	Non Command	2014-2015	1023.4	1049.6	551.2	631.1
279	AS12010	Assam	Golaghat	Poor Quality	2014-2015	0	0	0	0
280	AS12010	Assam	Golaghat	Command	2017-2018	0	0	0	0
281	AS12010	Assam	Golaghat	Non Command	2017-2018	1183.1	1049.6	383.7	631.1
282	AS12010	Assam	Golaghat	Poor Quality	2017-2018	0	0	0	0
283	AS12010	Assam	Golaghat	Command	2019-2020	0	0	0	0
284	AS12010	Assam	Golaghat	Non Command	2019-2020	1077.3	1049.6	362.8	631.1
285	AS12010	Assam	Golaghat	Poor Quality	2019-2020	0	0	0	0
286	AS12010	Assam	Golaghat	Command	2013-2014	0	0	0	0
287	AS12010	Assam	Golaghat	Non Command	2013-2014	995.6	1049.6	256.8	631.1
288	AS12010	Assam	Golaghat	Poor Quality	2013-2014	0	0	0	0
289	AS13010	Assam	Hailakandi	Command	2016-2017	0	0	0	0
290	AS13010	Assam	Hailakandi	Non Command	2016-2017	1559.7	1621.1	1151.5	1024.5
291	AS13010	Assam	Hailakandi	Poor Quality	2016-2017	0	0	0	0
292	AS13010	Assam	Hailakandi	Command	2012-2013	0	0	0	0
293	AS13010	Assam	Hailakandi	Non Command	2012-2013	1314.3	1621.1	725.9	1024.5
294	AS13010	Assam	Hailakandi	Poor Quality	2012-2013	0	0	0	0

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	*Year	Monsoon		Non-Monsoon	
						*Actual (mm)	*Normal (mm)	*Actual (mm)	*Normal (mm)
295	AS13010	Assam	Hailakandi	Command	2018-2019	0	0	0	0
296	AS13010	Assam	Hailakandi	Non Command	2018-2019	2342.6	1621.1	547.76	1024.5
297	AS13010	Assam	Hailakandi	Poor Quality	2018-2019	0	0	0	0
298	AS13010	Assam	Hailakandi	Command	2015-2016	0	0	0	0
299	AS13010	Assam	Hailakandi	Non Command	2015-2016	1752.1	1621.1	1688.5	1024.5
300	AS13010	Assam	Hailakandi	Poor Quality	2015-2016	0	0	0	0
301	AS13010	Assam	Hailakandi	Command	2014-2015	0	0	0	0
302	AS13010	Assam	Hailakandi	Non Command	2014-2015	1897.8	1621.1	946	1024.5
303	AS13010	Assam	Hailakandi	Poor Quality	2014-2015	0	0	0	0
304	AS13010	Assam	Hailakandi	Command	2017-2018	0	0	0	0
305	AS13010	Assam	Hailakandi	Non Command	2017-2018	1680.9	1621.1	689.4	1024.5
306	AS13010	Assam	Hailakandi	Poor Quality	2017-2018	0	0	0	0
307	AS13010	Assam	Hailakandi	Command	2019-2020	0	0	0	0
308	AS13010	Assam	Hailakandi	Non Command	2019-2020	1727.5	1621.1	476.3	1024.5
309	AS13010	Assam	Hailakandi	Poor Quality	2019-2020	0	0	0	0
310	AS13010	Assam	Hailakandi	Command	2013-2014	0	0	0	0
311	AS13010	Assam	Hailakandi	Non Command	2013-2014	1297.4	1621.1	611.1	1024.5
312	AS13010	Assam	Hailakandi	Poor Quality	2013-2014	0	0	0	0
313	AS14010	Assam	Jorhat	Command	2016-2017	0	0	0	0
314	AS14010	Assam	Jorhat	Non Command	2016-2017	1231.6	1299.1	688.6	783.9
315	AS14010	Assam	Jorhat	Poor Quality	2016-2017	0	0	0	0
316	AS14010	Assam	Jorhat	Command	2012-2013	0	0	0	0
317	AS14010	Assam	Jorhat	Non Command	2012-2013	1136.7	1299.1	531.6	783.9
318	AS14010	Assam	Jorhat	Poor Quality	2012-2013	0	0	0	0
319	AS14010	Assam	Jorhat	Command	2018-2019	0	0	0	0
320	AS14010	Assam	Jorhat	Non Command	2018-2019	2363.7	1299.1	749.9	783.9
321	AS14010	Assam	Jorhat	Poor Quality	2018-2019	0	0	0	0

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	*Year	Monsoon		Non-Monsoon	
						*Actual (mm)	*Normal (mm)	*Actual (mm)	*Normal (mm)
322	AS14010	Assam	Jorhat	Command	2015-2016	0	0	0	0
323	AS14010	Assam	Jorhat	Non Command	2015-2016	1182.9	1299.1	911.3	783.9
324	AS14010	Assam	Jorhat	Poor Quality	2015-2016	0	0	0	0
325	AS14010	Assam	Jorhat	Command	2014-2015	0	0	0	0
326	AS14010	Assam	Jorhat	Non Command	2014-2015	1226.8	1299.1	618	783.9
327	AS14010	Assam	Jorhat	Poor Quality	2014-2015	0	0	0	0
328	AS14010	Assam	Jorhat	Command	2017-2018	0	0	0	0
329	AS14010	Assam	Jorhat	Non Command	2017-2018	1384.5	1299.1	420.5	783.9
330	AS14010	Assam	Jorhat	Poor Quality	2017-2018	0	0	0	0
331	AS14010	Assam	Jorhat	Command	2019-2020	0	0	0	0
332	AS14010	Assam	Jorhat	Non Command	2019-2020	1348.5	1299.1	498.8	783.9
333	AS14010	Assam	Jorhat	Poor Quality	2019-2020	0	0	0	0
334	AS14010	Assam	Jorhat	Command	2013-2014	0	0	0	0
335	AS14010	Assam	Jorhat	Non Command	2013-2014	1381.2	1299.1	350.4	783.9
336	AS14010	Assam	Jorhat	Poor Quality	2013-2014	0	0	0	0
337	AS17010	Assam	Kamrup Metro Rural	Command	2016-2017	0	0	0	0
338	AS17010	Assam	Kamrup Metro Rural	Non Command	2016-2017	915	1147.7	544.9	665.7
339	AS17010	Assam	Kamrup Metro Rural	Poor Quality	2016-2017	0	0	0	0
340	AS17010	Assam	Kamrup Metro Rural	Command	2012-2013	0	0	0	0
341	AS17010	Assam	Kamrup Metro Rural	Non Command	2012-2013	1263.1	1147.7	385.5	665.7
342	AS17010	Assam	Kamrup Metro Rural	Poor Quality	2012-2013	0	0	0	0
343	AS17010	Assam	Kamrup Metro Rural	Command	2018-2019	0	0	0	0
344	AS17010	Assam	Kamrup Metro Rural	Non Command	2018-2019	1527.3	1147.7	450.67	665.7
345	AS17010	Assam	Kamrup Metro Rural	Poor Quality	2018-2019	0	0	0	0
346	AS17010	Assam	Kamrup Metro Rural	Command	2015-2016	0	0	0	0
347	AS17010	Assam	Kamrup Metro Rural	Non Command	2015-2016	1091.6	1147.7	524.3	665.7
348	AS17010	Assam	Kamrup Metro Rural	Poor Quality	2015-2016	0	0	0	0

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	*Year	Monsoon		Non-Monsoon	
						*Actual (mm)	*Normal (mm)	*Actual (mm)	*Normal (mm)
349	AS17010	Assam	Kamrup Metro Rural	Command	2014-2015	0	0	0	0
350	AS17010	Assam	Kamrup Metro Rural	Non Command	2014-2015	1075.4	1147.7	538.2	665.7
351	AS17010	Assam	Kamrup Metro Rural	Poor Quality	2014-2015	0	0	0	0
352	AS17010	Assam	Kamrup Metro Rural	Command	2017-2018	0	0	0	0
353	AS17010	Assam	Kamrup Metro Rural	Non Command	2017-2018	1198.8	1147.7	359.4	665.7
354	AS17010	Assam	Kamrup Metro Rural	Poor Quality	2017-2018	0	0	0	0
355	AS17010	Assam	Kamrup Metro Rural	Command	2019-2020	0	0	0	0
356	AS17010	Assam	Kamrup Metro Rural	Non Command	2019-2020	1080.9	1147.7	668.5	665.7
357	AS17010	Assam	Kamrup Metro Rural	Poor Quality	2019-2020	0	0	0	0
358	AS17010	Assam	Kamrup Metro Rural	Command	2013-2014	0	0	0	0
359	AS17010	Assam	Kamrup Metro Rural	Non Command	2013-2014	790.8	1147.7	354.2	665.7
360	AS17010	Assam	Kamrup Metro Rural	Poor Quality	2013-2014	0	0	0	0
361	AS16010	Assam	Kamrup Metro Urban	Command	2016-2017	0	0	0	0
362	AS16010	Assam	Kamrup Metro Urban	Non Command	2016-2017	915	1147.7	544.9	665.7
363	AS16010	Assam	Kamrup Metro Urban	Poor Quality	2016-2017	0	0	0	0
364	AS16010	Assam	Kamrup Metro Urban	Command	2012-2013	0	0	0	0
365	AS16010	Assam	Kamrup Metro Urban	Non Command	2012-2013	1263.1	1147.7	385.5	665.7
366	AS16010	Assam	Kamrup Metro Urban	Poor Quality	2012-2013	0	0	0	0
367	AS16010	Assam	Kamrup Metro Urban	Command	2018-2019	0	0	0	0
368	AS16010	Assam	Kamrup Metro Urban	Non Command	2018-2019	1527.3	1147.7	450.67	665.7
369	AS16010	Assam	Kamrup Metro Urban	Poor Quality	2018-2019	0	0	0	0
370	AS16010	Assam	Kamrup Metro Urban	Command	2015-2016	0	0	0	0
371	AS16010	Assam	Kamrup Metro Urban	Non Command	2015-2016	1091.6	1147.7	524.3	665.7
372	AS16010	Assam	Kamrup Metro Urban	Poor Quality	2015-2016	0	0	0	0
373	AS16010	Assam	Kamrup Metro Urban	Command	2014-2015	0	0	0	0
374	AS16010	Assam	Kamrup Metro Urban	Non Command	2014-2015	1075.4	1147.7	538.2	665.7
375	AS16010	Assam	Kamrup Metro Urban	Poor Quality	2014-2015	0	0	0	0

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	*Year	Monsoon		Non-Monsoon	
						*Actual (mm)	*Normal (mm)	*Actual (mm)	*Normal (mm)
376	AS16010	Assam	Kamrup Metro Urban	Command	2017-2018	0	0	0	0
377	AS16010	Assam	Kamrup Metro Urban	Non Command	2017-2018	1198.8	1147.7	359.4	665.7
378	AS16010	Assam	Kamrup Metro Urban	Poor Quality	2017-2018	0	0	0	0
379	AS16010	Assam	Kamrup Metro Urban	Command	2019-2020	0	0	0	0
380	AS16010	Assam	Kamrup Metro Urban	Non Command	2019-2020	1080.9	1147.7	668.5	665.7
381	AS16010	Assam	Kamrup Metro Urban	Poor Quality	2019-2020	0	0	0	0
382	AS16010	Assam	Kamrup Metro Urban	Command	2013-2014	0	0	0	0
383	AS16010	Assam	Kamrup Metro Urban	Non Command	2013-2014	790.8	1147.7	354.2	665.7
384	AS16010	Assam	Kamrup Metro Urban	Poor Quality	2013-2014	0	0	0	0
385	AS15010	Assam	Kamrup	Command	2016-2017	0	0	0	0
386	AS15010	Assam	Kamrup	Non Command	2016-2017	907.1	1147.7	728.1	665.7
387	AS15010	Assam	Kamrup	Poor Quality	2016-2017	0	0	0	0
388	AS15010	Assam	Kamrup	Command	2012-2013	0	0	0	0
389	AS15010	Assam	Kamrup	Non Command	2012-2013	1287.7	1147.7	418	665.7
390	AS15010	Assam	Kamrup	Poor Quality	2012-2013	0	0	0	0
391	AS15010	Assam	Kamrup	Command	2018-2019	0	0	0	0
392	AS15010	Assam	Kamrup	Non Command	2018-2019	1475.2	1147.7	621.35	665.7
393	AS15010	Assam	Kamrup	Poor Quality	2018-2019	0	0	0	0
394	AS15010	Assam	Kamrup	Command	2015-2016	0	0	0	0
395	AS15010	Assam	Kamrup	Non Command	2015-2016	1143.1	1147.7	959.4	665.7
396	AS15010	Assam	Kamrup	Poor Quality	2015-2016	0	0	0	0
397	AS15010	Assam	Kamrup	Command	2014-2015	0	0	0	0
398	AS15010	Assam	Kamrup	Non Command	2014-2015	1233	1147.7	742.2	665.7
399	AS15010	Assam	Kamrup	Poor Quality	2014-2015	0	0	0	0
400	AS15010	Assam	Kamrup	Command	2017-2018	0	0	0	0
401	AS15010	Assam	Kamrup	Non Command	2017-2018	1207.5	1147.7	372.2	665.7
402	AS15010	Assam	Kamrup	Poor Quality	2017-2018	0	0	0	0

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	*Year	Monsoon		Non-Monsoon	
						*Actual (mm)	*Normal (mm)	*Actual (mm)	*Normal (mm)
403	AS15010	Assam	Kamrup	Command	2019-2020	0	0	0	0
404	AS15010	Assam	Kamrup	Non Command	2019-2020	1043.8	1147.7	628.7	665.7
405	AS15010	Assam	Kamrup	Poor Quality	2019-2020	0	0	0	0
406	AS15010	Assam	Kamrup	Command	2013-2014	0	0	0	0
407	AS15010	Assam	Kamrup	Non Command	2013-2014	1012.1	1147.7	492.9	665.7
408	AS15010	Assam	Kamrup	Poor Quality	2013-2014	0	0	0	0
409	AS18010	Assam	Karbi Anglong	Command	2016-2017	1101.5	867	391.1	474
410	AS18010	Assam	Karbi Anglong	Non Command	2016-2017	1101.5	867	391.1	474
411	AS18010	Assam	Karbi Anglong	Poor Quality	2016-2017	0	0	0	0
412	AS18010	Assam	Karbi Anglong	Command	2012-2013	847.1	867	367.6	474
413	AS18010	Assam	Karbi Anglong	Non Command	2012-2013	847.1	867	367.6	474
414	AS18010	Assam	Karbi Anglong	Poor Quality	2012-2013	0	0	0	0
415	AS18010	Assam	Karbi Anglong	Command	2018-2019	1292.3	867	485.47	474
416	AS18010	Assam	Karbi Anglong	Non Command	2018-2019	1292.3	867	485.47	474
417	AS18010	Assam	Karbi Anglong	Poor Quality	2018-2019	0	0	0	0
418	AS18010	Assam	Karbi Anglong	Command	2015-2016	885.9	867	385.6	474
419	AS18010	Assam	Karbi Anglong	Non Command	2015-2016	885.9	867	385.6	474
420	AS18010	Assam	Karbi Anglong	Poor Quality	2015-2016	0	0	0	0
421	AS18010	Assam	Karbi Anglong	Command	2014-2015	971.3	867	319.6	474
422	AS18010	Assam	Karbi Anglong	Non Command	2014-2015	971.3	867	319.6	474
423	AS18010	Assam	Karbi Anglong	Poor Quality	2014-2015	0	0	0	0
424	AS18010	Assam	Karbi Anglong	Command	2017-2018	920.7	867	208.6	474
425	AS18010	Assam	Karbi Anglong	Non Command	2017-2018	920.7	867	208.6	474
426	AS18010	Assam	Karbi Anglong	Poor Quality	2017-2018	0	0	0	0
427	AS18010	Assam	Karbi Anglong	Command	2019-2020	648.7	867	204.3	474
428	AS18010	Assam	Karbi Anglong	Non Command	2019-2020	648.7	867	204.3	474
429	AS18010	Assam	Karbi Anglong	Poor Quality	2019-2020	0	0	0	0

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	*Year	Monsoon		Non-Monsoon	
						*Actual (mm)	*Normal (mm)	*Actual (mm)	*Normal (mm)
430	AS18010	Assam	Karbi Anglong	Command	2013-2014	892.4	867	184.6	474
431	AS18010	Assam	Karbi Anglong	Non Command	2013-2014	892.4	867	184.6	474
432	AS18010	Assam	Karbi Anglong	Poor Quality	2013-2014	0	0	0	0
433	AS19010	Assam	Karimganj	Command	2016-2017	0	0	0	0
434	AS19010	Assam	Karimganj	Non Command	2016-2017	2002.1	2147.9	2055.3	1502.9
435	AS19010	Assam	Karimganj	Poor Quality	2016-2017	0	0	0	0
436	AS19010	Assam	Karimganj	Command	2012-2013	0	0	0	0
437	AS19010	Assam	Karimganj	Non Command	2012-2013	2249.4	2147.9	641.9	1502.9
438	AS19010	Assam	Karimganj	Poor Quality	2012-2013	0	0	0	0
439	AS19010	Assam	Karimganj	Command	2018-2019	0	0	0	0
440	AS19010	Assam	Karimganj	Non Command	2018-2019	4023.3	2147.9	655.84	1502.9
441	AS19010	Assam	Karimganj	Poor Quality	2018-2019	0	0	0	0
442	AS19010	Assam	Karimganj	Command	2015-2016	0	0	0	0
443	AS19010	Assam	Karimganj	Non Command	2015-2016	2215.2	2147.9	1731.4	1502.9
444	AS19010	Assam	Karimganj	Poor Quality	2015-2016	0	0	0	0
445	AS19010	Assam	Karimganj	Command	2014-2015	0	0	0	0
446	AS19010	Assam	Karimganj	Non Command	2014-2015	2565.8	2147.9	905.3	1502.9
447	AS19010	Assam	Karimganj	Poor Quality	2014-2015	0	0	0	0
448	AS19010	Assam	Karimganj	Command	2017-2018	0	0	0	0
449	AS19010	Assam	Karimganj	Non Command	2017-2018	3108.1	2147.9	1011.7	1502.9
450	AS19010	Assam	Karimganj	Poor Quality	2017-2018	0	0	0	0
451	AS19010	Assam	Karimganj	Command	2019-2020	0	0	0	0
452	AS19010	Assam	Karimganj	Non Command	2019-2020	2166.8	2147.9	548.1	1502.9
453	AS19010	Assam	Karimganj	Poor Quality	2019-2020	0	0	0	0
454	AS19010	Assam	Karimganj	Command	2013-2014	0	0	0	0
455	AS19010	Assam	Karimganj	Non Command	2013-2014	1727.3	2147.9	765.2	1502.9
456	AS19010	Assam	Karimganj	Poor Quality	2013-2014	0	0	0	0

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	*Year	Monsoon		Non-Monsoon	
						*Actual (mm)	*Normal (mm)	*Actual (mm)	*Normal (mm)
457	AS20010	Assam	Kokrajhar	Command	2016-2017	1980.5	2826.4	870.2	945.8
458	AS20010	Assam	Kokrajhar	Non Command	2016-2017	1980.5	2826.4	870.2	945.8
459	AS20010	Assam	Kokrajhar	Poor Quality	2016-2017	0	0	0	0
460	AS20010	Assam	Kokrajhar	Command	2012-2013	3308.3	2826.4	640.1	945.8
461	AS20010	Assam	Kokrajhar	Non Command	2012-2013	3308.3	2826.4	640.1	945.8
462	AS20010	Assam	Kokrajhar	Poor Quality	2012-2013	0	0	0	0
463	AS20010	Assam	Kokrajhar	Command	2018-2019	4421.8	2826.4	866.17	945.8
464	AS20010	Assam	Kokrajhar	Non Command	2018-2019	4421.8	2826.4	866.17	945.8
465	AS20010	Assam	Kokrajhar	Poor Quality	2018-2019	0	0	0	0
466	AS20010	Assam	Kokrajhar	Command	2015-2016	3164.9	2826.4	852.9	945.8
467	AS20010	Assam	Kokrajhar	Non Command	2015-2016	3164.9	2826.4	852.9	945.8
468	AS20010	Assam	Kokrajhar	Poor Quality	2015-2016	0	0	0	0
469	AS20010	Assam	Kokrajhar	Command	2014-2015	2798.8	2826.4	733.3	945.8
470	AS20010	Assam	Kokrajhar	Non Command	2014-2015	2798.8	2826.4	733.3	945.8
471	AS20010	Assam	Kokrajhar	Poor Quality	2014-2015	0	0	0	0
472	AS20010	Assam	Kokrajhar	Command	2017-2018	3262.3	2826.4	790.6	945.8
473	AS20010	Assam	Kokrajhar	Non Command	2017-2018	3262.3	2826.4	790.6	945.8
474	AS20010	Assam	Kokrajhar	Poor Quality	2017-2018	0	0	0	0
475	AS20010	Assam	Kokrajhar	Command	2019-2020	3156.6	2826.4	913	945.8
476	AS20010	Assam	Kokrajhar	Non Command	2019-2020	3156.6	2826.4	913	945.8
477	AS20010	Assam	Kokrajhar	Poor Quality	2019-2020	0	0	0	0
478	AS20010	Assam	Kokrajhar	Command	2013-2014	2238.6	2826.4	747.3	945.8
479	AS20010	Assam	Kokrajhar	Non Command	2013-2014	2238.6	2826.4	747.3	945.8
480	AS20010	Assam	Kokrajhar	Poor Quality	2013-2014	0	0	0	0
481	AS21010	Assam	Lakhimpur	Command	2016-2017	0	0	0	0
482	AS21010	Assam	Lakhimpur	Non Command	2016-2017	2221	2025.2	834.5	834.1
483	AS21010	Assam	Lakhimpur	Poor Quality	2016-2017	0	0	0	0

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	*Year	Monsoon		Non-Monsoon	
						*Actual (mm)	*Normal (mm)	*Actual (mm)	*Normal (mm)
484	AS21010	Assam	Lakhimpur	Command	2012-2013	0	0	0	0
485	AS21010	Assam	Lakhimpur	Non Command	2012-2013	2126.1	2025.2	538	834.1
486	AS21010	Assam	Lakhimpur	Poor Quality	2012-2013	0	0	0	0
487	AS21010	Assam	Lakhimpur	Command	2018-2019	0	0	0	0
488	AS21010	Assam	Lakhimpur	Non Command	2018-2019	3716.2	2025.2	768.95	834.1
489	AS21010	Assam	Lakhimpur	Poor Quality	2018-2019	0	0	0	0
490	AS21010	Assam	Lakhimpur	Command	2015-2016	0	0	0	0
491	AS21010	Assam	Lakhimpur	Non Command	2015-2016	2149.5	2025.2	757.7	834.1
492	AS21010	Assam	Lakhimpur	Poor Quality	2015-2016	0	0	0	0
493	AS21010	Assam	Lakhimpur	Command	2014-2015	0	0	0	0
494	AS21010	Assam	Lakhimpur	Non Command	2014-2015	2136	2025.2	618.3	834.1
495	AS21010	Assam	Lakhimpur	Poor Quality	2014-2015	0	0	0	0
496	AS21010	Assam	Lakhimpur	Command	2017-2018	0	0	0	0
497	AS21010	Assam	Lakhimpur	Non Command	2017-2018	2721.4	2025.2	632.2	834.1
498	AS21010	Assam	Lakhimpur	Poor Quality	2017-2018	0	0	0	0
499	AS21010	Assam	Lakhimpur	Command	2019-2020	0	0	0	0
500	AS21010	Assam	Lakhimpur	Non Command	2019-2020	2295.8	2025.2	564.6	834.1
501	AS21010	Assam	Lakhimpur	Poor Quality	2019-2020	0	0	0	0
502	AS21010	Assam	Lakhimpur	Command	2013-2014	0	0	0	0
503	AS21010	Assam	Lakhimpur	Non Command	2013-2014	1845	2025.2	547.5	834.1
504	AS21010	Assam	Lakhimpur	Poor Quality	2013-2014	0	0	0	0
505	AS22010	Assam	Morigaon	Command	2016-2017	0	0	0	0
506	AS22010	Assam	Morigaon	Non Command	2016-2017	1233.9	1215.5	432.6	528
507	AS22010	Assam	Morigaon	Poor Quality	2016-2017	0	0	0	0
508	AS22010	Assam	Morigaon	Command	2012-2013	0	0	0	0
509	AS22010	Assam	Morigaon	Non Command	2012-2013	1090	1215.5	315.2	528
510	AS22010	Assam	Morigaon	Poor Quality	2012-2013	0	0	0	0

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	*Year	Monsoon		Non-Monsoon	
						*Actual (mm)	*Normal (mm)	*Actual (mm)	*Normal (mm)
511	AS22010	Assam	Morigaon	Command	2018-2019	0	0	0	0
512	AS22010	Assam	Morigaon	Non Command	2018-2019	1636.5	1215.5	560.26	528
513	AS22010	Assam	Morigaon	Poor Quality	2018-2019	0	0	0	0
514	AS22010	Assam	Morigaon	Command	2015-2016	0	0	0	0
515	AS22010	Assam	Morigaon	Non Command	2015-2016	1160.4	1215.5	461.2	528
516	AS22010	Assam	Morigaon	Poor Quality	2015-2016	0	0	0	0
517	AS22010	Assam	Morigaon	Command	2014-2015	0	0	0	0
518	AS22010	Assam	Morigaon	Non Command	2014-2015	1219	1215.5	295.8	528
519	AS22010	Assam	Morigaon	Poor Quality	2014-2015	0	0	0	0
520	AS22010	Assam	Morigaon	Command	2017-2018	0	0	0	0
521	AS22010	Assam	Morigaon	Non Command	2017-2018	1098.2	1215.5	203.6	528
522	AS22010	Assam	Morigaon	Poor Quality	2017-2018	0	0	0	0
523	AS22010	Assam	Morigaon	Command	2019-2020	0	0	0	0
524	AS22010	Assam	Morigaon	Non Command	2019-2020	883	1215.5	293.8	528
525	AS22010	Assam	Morigaon	Poor Quality	2019-2020	0	0	0	0
526	AS22010	Assam	Morigaon	Command	2013-2014	0	0	0	0
527	AS22010	Assam	Morigaon	Non Command	2013-2014	1248.6	1215.5	157	528
528	AS22010	Assam	Morigaon	Poor Quality	2013-2014	0	0	0	0
529	AS23010	Assam	Nagaon	Command	2016-2017	823.9	1124.9	505.6	535.2
530	AS23010	Assam	Nagaon	Non Command	2016-2017	823.9	1124.9	505.6	535.2
531	AS23010	Assam	Nagaon	Poor Quality	2016-2017	0	0	0	0
532	AS23010	Assam	Nagaon	Command	2012-2013	1030.3	1124.9	218.2	535.2
533	AS23010	Assam	Nagaon	Non Command	2012-2013	1030.3	1124.9	218.2	535.2
534	AS23010	Assam	Nagaon	Poor Quality	2012-2013	0	0	0	0
535	AS23010	Assam	Nagaon	Command	2018-2019	1416.2	1124.9	689.49	535.2
536	AS23010	Assam	Nagaon	Non Command	2018-2019	1416.2	1124.9	689.49	535.2
537	AS23010	Assam	Nagaon	Poor Quality	2018-2019	0	0	0	0

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	*Year	Monsoon		Non-Monsoon	
						*Actual (mm)	*Normal (mm)	*Actual (mm)	*Normal (mm)
538	AS23010	Assam	Nagaon	Command	2015-2016	665.1	1124.9	387.4	535.2
539	AS23010	Assam	Nagaon	Non Command	2015-2016	665.1	1124.9	387.4	535.2
540	AS23010	Assam	Nagaon	Poor Quality	2015-2016	0	0	0	0
541	AS23010	Assam	Nagaon	Command	2014-2015	1126.7	1124.9	251.3	535.2
542	AS23010	Assam	Nagaon	Non Command	2014-2015	1126.7	1124.9	251.3	535.2
543	AS23010	Assam	Nagaon	Poor Quality	2014-2015	0	0	0	0
544	AS23010	Assam	Nagaon	Command	2017-2018	995.1	1124.9	219	535.2
545	AS23010	Assam	Nagaon	Non Command	2017-2018	995.1	1124.9	219	535.2
546	AS23010	Assam	Nagaon	Poor Quality	2017-2018	0	0	0	0
547	AS23010	Assam	Nagaon	Command	2019-2020	778.2	1124.9	300	535.2
548	AS23010	Assam	Nagaon	Non Command	2019-2020	778.2	1124.9	300	535.2
549	AS23010	Assam	Nagaon	Poor Quality	2019-2020	0	0	0	0
550	AS23010	Assam	Nagaon	Command	2013-2014	0	0	0	0
551	AS23010	Assam	Nagaon	Non Command	2013-2014	0	0	0	0
552	AS23010	Assam	Nagaon	Poor Quality	2013-2014	0	0	0	0
553	AS24010	Assam	Nalbari	Command	2016-2017	0	0	0	0
554	AS24010	Assam	Nalbari	Non Command	2016-2017	1320.6	1564.3	626.9	792.8
555	AS24010	Assam	Nalbari	Poor Quality	2016-2017	0	0	0	0
556	AS24010	Assam	Nalbari	Command	2012-2013	0	0	0	0
557	AS24010	Assam	Nalbari	Non Command	2012-2013	1731.3	1564.3	455	792.8
558	AS24010	Assam	Nalbari	Poor Quality	2012-2013	0	0	0	0
559	AS24010	Assam	Nalbari	Command	2018-2019	0	0	0	0
560	AS24010	Assam	Nalbari	Non Command	2018-2019	2269.9	1564.3	807.67	792.8
561	AS24010	Assam	Nalbari	Poor Quality	2018-2019	0	0	0	0
562	AS24010	Assam	Nalbari	Command	2015-2016	0	0	0	0
563	AS24010	Assam	Nalbari	Non Command	2015-2016	1886.2	1564.3	856.3	792.8
564	AS24010	Assam	Nalbari	Poor Quality	2015-2016	0	0	0	0

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	*Year	Monsoon		Non-Monsoon	
						*Actual (mm)	*Normal (mm)	*Actual (mm)	*Normal (mm)
565	AS24010	Assam	Nalbari	Command	2014-2015	0	0	0	0
566	AS24010	Assam	Nalbari	Non Command	2014-2015	1363.6	1564.3	778.5	792.8
567	AS24010	Assam	Nalbari	Poor Quality	2014-2015	0	0	0	0
568	AS24010	Assam	Nalbari	Command	2017-2018	0	0	0	0
569	AS24010	Assam	Nalbari	Non Command	2017-2018	1316.5	1564.3	498.4	792.8
570	AS24010	Assam	Nalbari	Poor Quality	2017-2018	0	0	0	0
571	AS24010	Assam	Nalbari	Command	2019-2020	0	0	0	0
572	AS24010	Assam	Nalbari	Non Command	2019-2020	1887.7	1564.3	789.9	792.8
573	AS24010	Assam	Nalbari	Poor Quality	2019-2020	0	0	0	0
574	AS24010	Assam	Nalbari	Command	2013-2014	0	0	0	0
575	AS24010	Assam	Nalbari	Non Command	2013-2014	1068.6	1564.3	505.1	792.8
576	AS24010	Assam	Nalbari	Poor Quality	2013-2014	0	0	0	0
577	AS25010	Assam	Sivasagar	Command	2016-2017	0	0	0	0
578	AS25010	Assam	Sivasagar	Non Command	2016-2017	1158	1169.5	597.2	642.1
579	AS25010	Assam	Sivasagar	Poor Quality	2016-2017	0	0	0	0
580	AS25010	Assam	Sivasagar	Command	2012-2013	0	0	0	0
581	AS25010	Assam	Sivasagar	Non Command	2012-2013	1068.5	1169.5	543.2	642.1
582	AS25010	Assam	Sivasagar	Poor Quality	2012-2013	0	0	0	0
583	AS25010	Assam	Sivasagar	Command	2018-2019	0	0	0	0
584	AS25010	Assam	Sivasagar	Non Command	2018-2019	2055	1169.5	851.5	642.1
585	AS25010	Assam	Sivasagar	Poor Quality	2018-2019	0	0	0	0
586	AS25010	Assam	Sivasagar	Command	2015-2016	0	0	0	0
587	AS25010	Assam	Sivasagar	Non Command	2015-2016	1227.1	1169.5	1025.5	642.1
588	AS25010	Assam	Sivasagar	Poor Quality	2015-2016	0	0	0	0
589	AS25010	Assam	Sivasagar	Command	2014-2015	0	0	0	0
590	AS25010	Assam	Sivasagar	Non Command	2014-2015	1235.7	1169.5	592.1	642.1
591	AS25010	Assam	Sivasagar	Poor Quality	2014-2015	0	0	0	0

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	*Year	Monsoon		Non-Monsoon	
						*Actual (mm)	*Normal (mm)	*Actual (mm)	*Normal (mm)
592	AS25010	Assam	Sivasagar	Command	2017-2018	0	0	0	0
593	AS25010	Assam	Sivasagar	Non Command	2017-2018	1161.3	1169.5	402.9	642.1
594	AS25010	Assam	Sivasagar	Poor Quality	2017-2018	0	0	0	0
595	AS25010	Assam	Sivasagar	Command	2019-2020	0	0	0	0
596	AS25010	Assam	Sivasagar	Non Command	2019-2020	1020.5	1169.5	459.9	642.1
597	AS25010	Assam	Sivasagar	Poor Quality	2019-2020	0	0	0	0
598	AS25010	Assam	Sivasagar	Command	2013-2014	0	0	0	0
599	AS25010	Assam	Sivasagar	Non Command	2013-2014	1199.8	1169.5	257.4	642.1
600	AS25010	Assam	Sivasagar	Poor Quality	2013-2014	0	0	0	0
601	AS26010	Assam	Sonitpur	Command	2016-2017	842	1314.4	548.4	664.1
602	AS26010	Assam	Sonitpur	Non Command	2016-2017	842	1314.4	548.4	664.1
603	AS26010	Assam	Sonitpur	Poor Quality	2016-2017	0	0	0	0
604	AS26010	Assam	Sonitpur	Command	2012-2013	1541.4	1314.4	390.4	664.1
605	AS26010	Assam	Sonitpur	Non Command	2012-2013	1541.4	1314.4	390.4	664.1
606	AS26010	Assam	Sonitpur	Poor Quality	2012-2013	0	0	0	0
607	AS26010	Assam	Sonitpur	Command	2018-2019	1935.8	1314.4	786.77	664.1
608	AS26010	Assam	Sonitpur	Non Command	2018-2019	1935.8	1314.4	786.77	664.1
609	AS26010	Assam	Sonitpur	Poor Quality	2018-2019	0	0	0	0
610	AS26010	Assam	Sonitpur	Command	2015-2016	1419.4	1314.4	710.1	664.1
611	AS26010	Assam	Sonitpur	Non Command	2015-2016	1419.4	1314.4	710.1	664.1
612	AS26010	Assam	Sonitpur	Poor Quality	2015-2016	0	0	0	0
613	AS26010	Assam	Sonitpur	Command	2014-2015	1149.1	1314.4	522.1	664.1
614	AS26010	Assam	Sonitpur	Non Command	2014-2015	1149.1	1314.4	522.1	664.1
615	AS26010	Assam	Sonitpur	Poor Quality	2014-2015	0	0	0	0
616	AS26010	Assam	Sonitpur	Command	2017-2018	1540.4	1314.4	389	664.1
617	AS26010	Assam	Sonitpur	Non Command	2017-2018	1540.4	1314.4	389	664.1
618	AS26010	Assam	Sonitpur	Poor Quality	2017-2018	0	0	0	0

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	*Year	Monsoon		Non-Monsoon	
						*Actual (mm)	*Normal (mm)	*Actual (mm)	*Normal (mm)
619	AS26010	Assam	Sonitpur	Command	2019-2020	1269.3	1314.4	452.8	664.1
620	AS26010	Assam	Sonitpur	Non Command	2019-2020	1269.3	1314.4	452.8	664.1
621	AS26010	Assam	Sonitpur	Poor Quality	2019-2020	0	0	0	0
622	AS26010	Assam	Sonitpur	Command	2013-2014	0	0	0	0
623	AS26010	Assam	Sonitpur	Non Command	2013-2014	0	0	0	0
624	AS26010	Assam	Sonitpur	Poor Quality	2013-2014	0	0	0	0
625	AS27010	Assam	Tinsukia	Command	2016-2017	0	0	0	0
626	AS27010	Assam	Tinsukia	Non Command	2016-2017	1439.9	1617.8	822.3	867.5
627	AS27010	Assam	Tinsukia	Poor Quality	2016-2017	0	0	0	0
628	AS27010	Assam	Tinsukia	Command	2012-2013	0	0	0	0
629	AS27010	Assam	Tinsukia	Non Command	2012-2013	2058.6	1617.8	759.9	867.5
630	AS27010	Assam	Tinsukia	Poor Quality	2012-2013	0	0	0	0
631	AS27010	Assam	Tinsukia	Command	2018-2019	0	0	0	0
632	AS27010	Assam	Tinsukia	Non Command	2018-2019	2148.5	1617.8	938.71	867.5
633	AS27010	Assam	Tinsukia	Poor Quality	2018-2019	0	0	0	0
634	AS27010	Assam	Tinsukia	Command	2015-2016	0	0	0	0
635	AS27010	Assam	Tinsukia	Non Command	2015-2016	1740.6	1617.8	1142.8	867.5
636	AS27010	Assam	Tinsukia	Poor Quality	2015-2016	0	0	0	0
637	AS27010	Assam	Tinsukia	Command	2014-2015	0	0	0	0
638	AS27010	Assam	Tinsukia	Non Command	2014-2015	1402.8	1617.8	718	867.5
639	AS27010	Assam	Tinsukia	Poor Quality	2014-2015	0	0	0	0
640	AS27010	Assam	Tinsukia	Command	2017-2018	0	0	0	0
641	AS27010	Assam	Tinsukia	Non Command	2017-2018	1623.4	1617.8	636.4	867.5
642	AS27010	Assam	Tinsukia	Poor Quality	2017-2018	0	0	0	0
643	AS27010	Assam	Tinsukia	Command	2019-2020	0	0	0	0
644	AS27010	Assam	Tinsukia	Non Command	2019-2020	1441.6	1617.8	518.4	867.5
645	AS27010	Assam	Tinsukia	Poor Quality	2019-2020	0	0	0	0

S.No	Location Code	District	Assessment Unit	Assessment Sub-Unit (Command, Non Command, Poor Quality)	*Year	Monsoon		Non-Monsoon	
						*Actual (mm)	*Normal (mm)	*Actual (mm)	*Normal (mm)
646	AS27010	Assam	Tinsukia	Command	2013-2014	0	0	0	0
647	AS27010	Assam	Tinsukia	Non Command	2013-2014	1387.3	1617.8	501.2	867.5
648	AS27010	Assam	Tinsukia	Poor Quality	2013-2014	0	0	0	0
649	AS28010	Assam	Udalguri	Command	2016-2017	904.2	1259.1	574.5	698.7
650	AS28010	Assam	Udalguri	Non Command	2016-2017	904.2	1259.1	574.5	698.7
651	AS28010	Assam	Udalguri	Poor Quality	2016-2017	0	0	0	0
652	AS28010	Assam	Udalguri	Command	2012-2013	2226.5	1259.1	520.8	698.7
653	AS28010	Assam	Udalguri	Non Command	2012-2013	2226.5	1259.1	520.8	698.7
654	AS28010	Assam	Udalguri	Poor Quality	2012-2013	0	0	0	0
655	AS28010	Assam	Udalguri	Command	2018-2019	2763.6	1259.1	666.24	698.7
656	AS28010	Assam	Udalguri	Non Command	2018-2019	2763.6	1259.1	666.24	698.7
657	AS28010	Assam	Udalguri	Poor Quality	2018-2019	0	0	0	0
658	AS28010	Assam	Udalguri	Command	2015-2016	1271.1	1259.1	815	698.7
659	AS28010	Assam	Udalguri	Non Command	2015-2016	1271.1	1259.1	815	698.7
660	AS28010	Assam	Udalguri	Poor Quality	2015-2016	0	0	0	0
661	AS28010	Assam	Udalguri	Command	2014-2015	1188.3	1259.1	472.7	698.7
662	AS28010	Assam	Udalguri	Non Command	2014-2015	1188.3	1259.1	472.7	698.7
663	AS28010	Assam	Udalguri	Poor Quality	2014-2015	0	0	0	0
664	AS28010	Assam	Udalguri	Command	2017-2018	1270.5	1259.1	373.3	698.7
665	AS28010	Assam	Udalguri	Non Command	2017-2018	1270.5	1259.1	373.3	698.7
666	AS28010	Assam	Udalguri	Poor Quality	2017-2018	0	0	0	0
667	AS28010	Assam	Udalguri	Command	2019-2020	1711.9	1259.1	522.6	698.7
668	AS28010	Assam	Udalguri	Non Command	2019-2020	1711.9	1259.1	522.6	698.7
669	AS28010	Assam	Udalguri	Poor Quality	2019-2020	0	0	0	0
670	AS28010	Assam	Udalguri	Command	2013-2014	1419.6	1259.1	471.3	698.7
671	AS28010	Assam	Udalguri	Non Command	2013-2014	1419.6	1259.1	471.3	698.7
672	AS28010	Assam	Udalguri	Poor Quality	2013-2014	0	0	0	0

Annexure XIV:

"Shallow Water Table Zone: " input sheet for ASSAM, ASSAM for year 2019-2020

S.No	Location Code	District	Assessment Unit	Shallow Water Table Zone	
				* Pre-Monsoon DTWL (m bgl)	* Area (ha)
1	AS01010	Assam	Baksa	0.0-0.5	0
2	AS01010	Assam	Baksa	0.5-1.0	0
3	AS01010	Assam	Baksa	1.0-1.5	0
4	AS01010	Assam	Baksa	1.5-2.0	0
5	AS01010	Assam	Baksa	2.0-2.5	0
6	AS01010	Assam	Baksa	2.5-3.0	33750
7	AS01010	Assam	Baksa	3.0-3.5	80450
8	AS01010	Assam	Baksa	3.5-4.0	60740
9	AS01010	Assam	Baksa	4.0-4.5	54790
10	AS01010	Assam	Baksa	4.5-5.0	3781
11	AS02010	Assam	Barpeta	0.0-0.5	0
12	AS02010	Assam	Barpeta	0.5-1.0	0
13	AS02010	Assam	Barpeta	1.0-1.5	0
14	AS02010	Assam	Barpeta	1.5-2.0	0
15	AS02010	Assam	Barpeta	2.0-2.5	0
16	AS02010	Assam	Barpeta	2.5-3.0	3882
17	AS02010	Assam	Barpeta	3.0-3.5	6952
18	AS02010	Assam	Barpeta	3.5-4.0	68050
19	AS02010	Assam	Barpeta	4.0-4.5	90350
20	AS02010	Assam	Barpeta	4.5-5.0	31140
21	AS03010	Assam	Bongaigaon	0.0-0.5	0
22	AS03010	Assam	Bongaigaon	0.5-1.0	0
23	AS03010	Assam	Bongaigaon	1.0-1.5	0
24	AS03010	Assam	Bongaigaon	1.5-2.0	0
25	AS03010	Assam	Bongaigaon	2.0-2.5	185.1
26	AS03010	Assam	Bongaigaon	2.5-3.0	1305
27	AS03010	Assam	Bongaigaon	3.0-3.5	4164
28	AS03010	Assam	Bongaigaon	3.5-4.0	30570
29	AS03010	Assam	Bongaigaon	4.0-4.5	19770
30	AS03010	Assam	Bongaigaon	4.5-5.0	10560
31	AS04010	Assam	Cachar	0.0-0.5	0.09795
32	AS04010	Assam	Cachar	0.5-1.0	423.1
33	AS04010	Assam	Cachar	1.0-1.5	446.3
34	AS04010	Assam	Cachar	1.5-2.0	355.1
35	AS04010	Assam	Cachar	2.0-2.5	423.4
36	AS04010	Assam	Cachar	2.5-3.0	435.6
37	AS04010	Assam	Cachar	3.0-3.5	305.1
38	AS04010	Assam	Cachar	3.5-4.0	181.1
39	AS04010	Assam	Cachar	4.0-4.5	161.1
40	AS04010	Assam	Cachar	4.5-5.0	235
41	AS05010	Assam	Chirang	0.0-0.5	0
42	AS05010	Assam	Chirang	0.5-1.0	0

43	AS05010	Assam	Chirang	1.0-1.5	0
44	AS05010	Assam	Chirang	1.5-2.0	0
45	AS05010	Assam	Chirang	2.0-2.5	0
46	AS05010	Assam	Chirang	2.5-3.0	9632
47	AS05010	Assam	Chirang	3.0-3.5	7803
48	AS05010	Assam	Chirang	3.5-4.0	118100
49	AS05010	Assam	Chirang	4.0-4.5	22530
50	AS05010	Assam	Chirang	4.5-5.0	0
51	AS06010	Assam	Darrang	0.0-0.5	0
52	AS06010	Assam	Darrang	0.5-1.0	0
53	AS06010	Assam	Darrang	1.0-1.5	0
54	AS06010	Assam	Darrang	1.5-2.0	0
55	AS06010	Assam	Darrang	2.0-2.5	0
56	AS06010	Assam	Darrang	2.5-3.0	0
57	AS06010	Assam	Darrang	3.0-3.5	0.3463
58	AS06010	Assam	Darrang	3.5-4.0	2513
59	AS06010	Assam	Darrang	4.0-4.5	18290
60	AS06010	Assam	Darrang	4.5-5.0	78340
61	AS07010	Assam	Dhemaji	0.0-0.5	24.66
62	AS07010	Assam	Dhemaji	0.5-1.0	4333
63	AS07010	Assam	Dhemaji	1.0-1.5	6194
64	AS07010	Assam	Dhemaji	1.5-2.0	18820
65	AS07010	Assam	Dhemaji	2.0-2.5	67980
66	AS07010	Assam	Dhemaji	2.5-3.0	41330
67	AS07010	Assam	Dhemaji	3.0-3.5	45450
68	AS07010	Assam	Dhemaji	3.5-4.0	11980
69	AS07010	Assam	Dhemaji	4.0-4.5	16990
70	AS07010	Assam	Dhemaji	4.5-5.0	8936
71	AS08010	Assam	Dhubri	0.0-0.5	0
72	AS08010	Assam	Dhubri	0.5-1.0	0
73	AS08010	Assam	Dhubri	1.0-1.5	0
74	AS08010	Assam	Dhubri	1.5-2.0	0
75	AS08010	Assam	Dhubri	2.0-2.5	176.6
76	AS08010	Assam	Dhubri	2.5-3.0	835.6
77	AS08010	Assam	Dhubri	3.0-3.5	870.5
78	AS08010	Assam	Dhubri	3.5-4.0	1501
79	AS08010	Assam	Dhubri	4.0-4.5	2588
80	AS08010	Assam	Dhubri	4.5-5.0	17510
81	AS09010	Assam	Dibrugarh	0.0-0.5	0
82	AS09010	Assam	Dibrugarh	0.5-1.0	0
83	AS09010	Assam	Dibrugarh	1.0-1.5	7575
84	AS09010	Assam	Dibrugarh	1.5-2.0	20220
85	AS09010	Assam	Dibrugarh	2.0-2.5	46460
86	AS09010	Assam	Dibrugarh	2.5-3.0	50240
87	AS09010	Assam	Dibrugarh	3.0-3.5	61580
88	AS09010	Assam	Dibrugarh	3.5-4.0	63700
89	AS09010	Assam	Dibrugarh	4.0-4.5	63380
90	AS09010	Assam	Dibrugarh	4.5-5.0	35430
91	AS10010	Assam	Dima Hasao	0.0-0.5	0
92	AS10010	Assam	Dima Hasao	0.5-1.0	0

93	AS10010	Assam	Dima Hasao	1.0-1.5	0
94	AS10010	Assam	Dima Hasao	1.5-2.0	0
95	AS10010	Assam	Dima Hasao	2.0-2.5	0
96	AS10010	Assam	Dima Hasao	2.5-3.0	0
97	AS10010	Assam	Dima Hasao	3.0-3.5	0
98	AS10010	Assam	Dima Hasao	3.5-4.0	0
99	AS10010	Assam	Dima Hasao	4.0-4.5	0
100	AS10010	Assam	Dima Hasao	4.5-5.0	0
101	AS11010	Assam	Goalpara	0.0-0.5	0
102	AS11010	Assam	Goalpara	0.5-1.0	0
103	AS11010	Assam	Goalpara	1.0-1.5	0
104	AS11010	Assam	Goalpara	1.5-2.0	0
105	AS11010	Assam	Goalpara	2.0-2.5	0
106	AS11010	Assam	Goalpara	2.5-3.0	1047
107	AS11010	Assam	Goalpara	3.0-3.5	30790
108	AS11010	Assam	Goalpara	3.5-4.0	19870
109	AS11010	Assam	Goalpara	4.0-4.5	29060
110	AS11010	Assam	Goalpara	4.5-5.0	23690
111	AS12010	Assam	Golaghat	0.0-0.5	0
112	AS12010	Assam	Golaghat	0.5-1.0	0
113	AS12010	Assam	Golaghat	1.0-1.5	0
114	AS12010	Assam	Golaghat	1.5-2.0	920.9
115	AS12010	Assam	Golaghat	2.0-2.5	3901
116	AS12010	Assam	Golaghat	2.5-3.0	10950
117	AS12010	Assam	Golaghat	3.0-3.5	33810
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218	AS22010	Assam	Morigaon	3.5-4.0	26620
219	AS22010	Assam	Morigaon	4.0-4.5	29640
220	AS22010	Assam	Morigaon	4.5-5.0	42250
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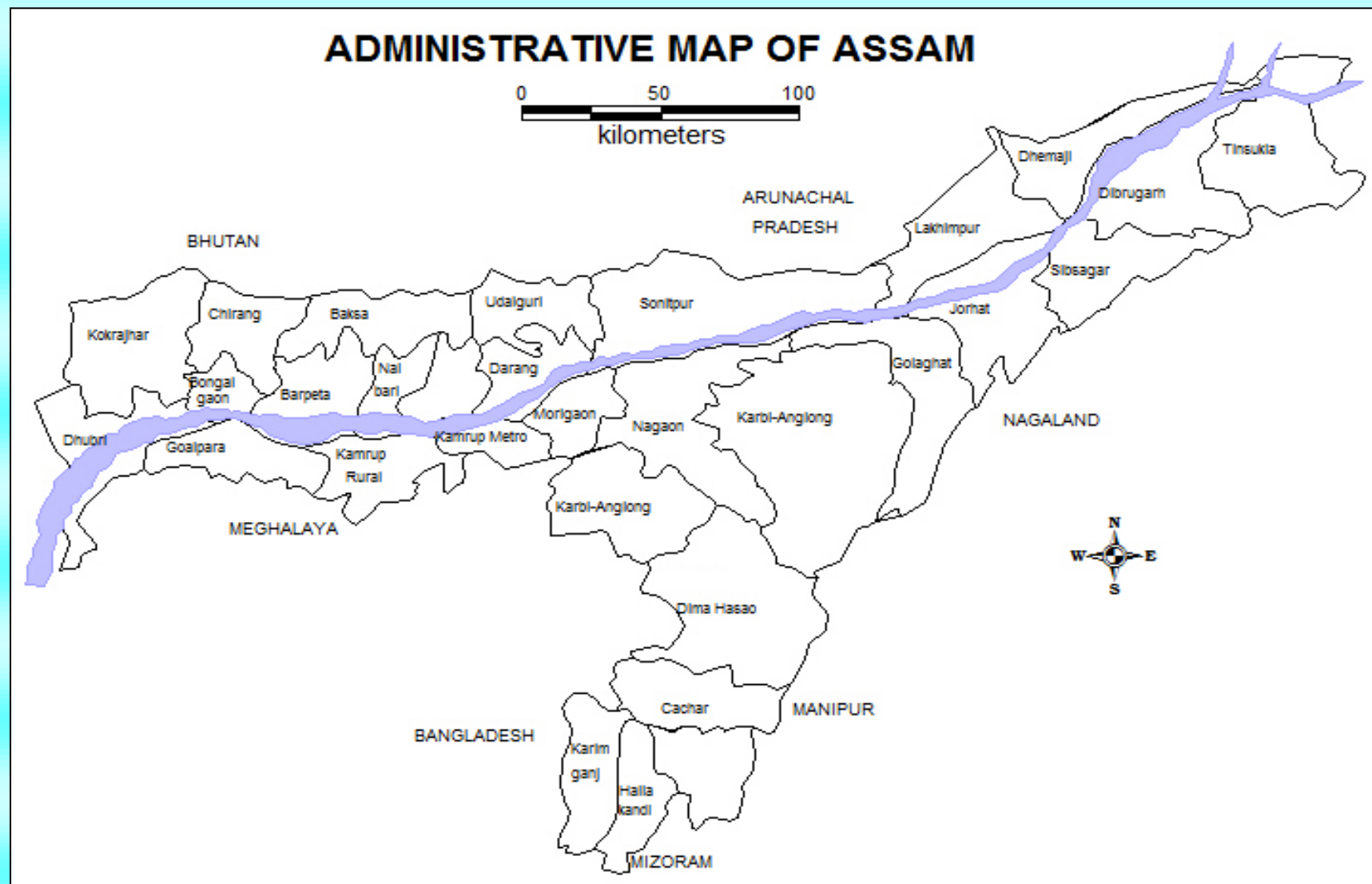
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232	AS24010	Assam	Nalbari	0.5-1.0	0
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236	AS24010	Assam	Nalbari	2.5-3.0	11610
237	AS24010	Assam	Nalbari	3.0-3.5	17050
238	AS24010	Assam	Nalbari	3.5-4.0	27060
239	AS24010	Assam	Nalbari	4.0-4.5	24110
240	AS24010	Assam	Nalbari	4.5-5.0	14120
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246	AS25010	Assam	Sivasagar	2.5-3.0	13890
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261	AS27010	Assam	Tinsukia	0.0-0.5	0
262	AS27010	Assam	Tinsukia	0.5-1.0	0
263	AS27010	Assam	Tinsukia	1.0-1.5	8007
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272	AS28010	Assam	Udalguri	0.5-1.0	0

273	AS28010	Assam	Udalguri	1.0-1.5	0
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276	AS28010	Assam	Udalguri	2.5-3.0	5159
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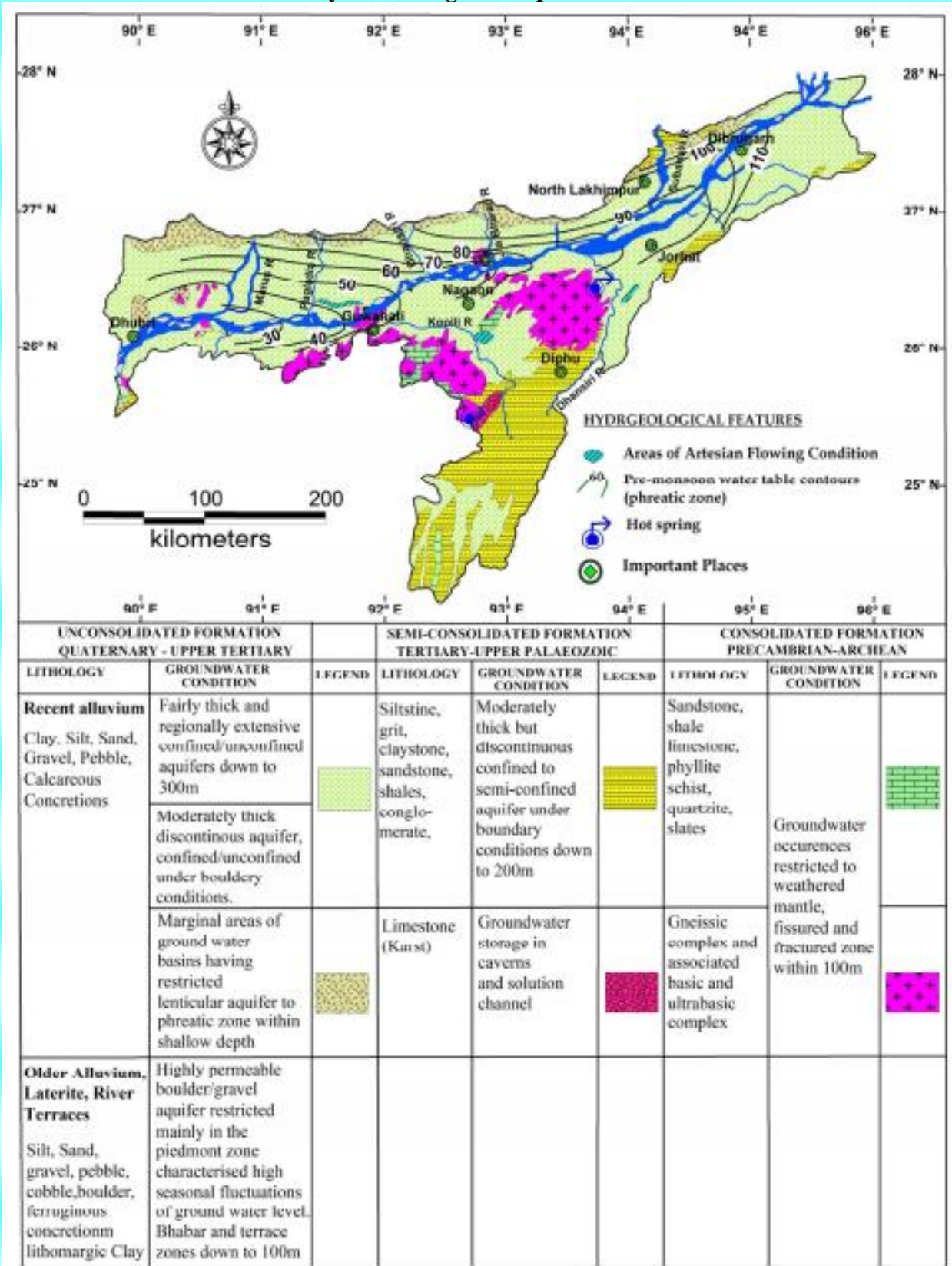
Annexure XV2:

Flood Prone Area : "Flood Prone Areas" input sheet for ASSAM, ASSAM for year 2019-2020

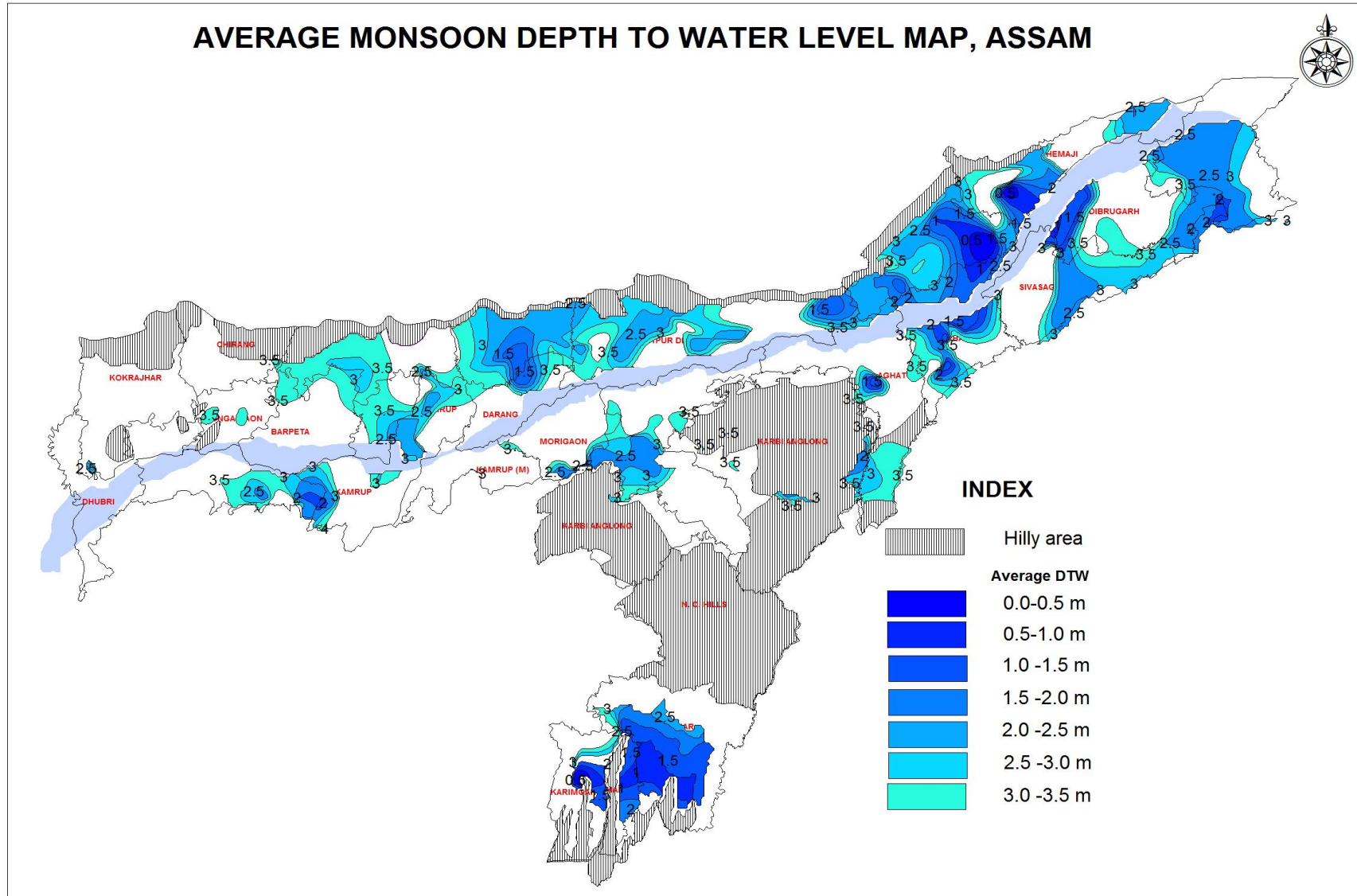
S.No	Location Code	District	Assessment Unit	Flood Prone Area		
				* Flood Prone Area (ha)	* Flood Impound Days in a year	Seepage Factor (m)
1	AS01010	Assam	Baksa	26191	30	1.44
2	AS02010	Assam	Barpeta	147591	30	1.44
3	AS03010	Assam	Bongaigaon	41605	30	1.44
4	AS04010	Assam	Cachar	92772	30	1.44
5	AS05010	Assam	Chirang	13167	30	1.44
6	AS06010	Assam	Darrang	116294	30	1.44
7	AS07010	Assam	Dhemaji	117417	30	1.44
8	AS08010	Assam	Dhubri	98753	30	1.44
9	AS09010	Assam	Dibrugarh	117234	30	1.44
10	AS10010	Assam	Dima Hasao	0	0	0
11	AS11010	Assam	Goalpara	76987	30	1.44
12	AS12010	Assam	Golaghat	104814	30	1.44
13	AS13010	Assam	Hailakandi	32661	30	1.44
14	AS14010	Assam	Jorhat	121074	30	1.44
15	AS17010	Assam	Kamrup Metro Rural	0	0	0
16	AS16010	Assam	Kamrup Metro Urban	21987	30	1.44
17	AS15010	Assam	Kamrup	116849	30	1.44
18	AS18010	Assam	Karbi Anglong	0	0	0
19	AS19010	Assam	Karimganj	51968	30	1.44
20	AS20010	Assam	Kokrajhar	0	0	0
21	AS21010	Assam	Lakhimpur	153527	30	1.44
22	AS22010	Assam	Morigaon	107834	30	1.44
23	AS23010	Assam	Nagaon	191193	30	1.44
24	AS24010	Assam	Nalbari	51737	30	1.44
25	AS25010	Assam	Sivasagar	122519	30	1.44
26	AS26010	Assam	Sonitpur	160450	30	1.44
27	AS27010	Assam	Tinsukia	74345	30	1.44
28	AS28010	Assam	Udalguri	0	0	0



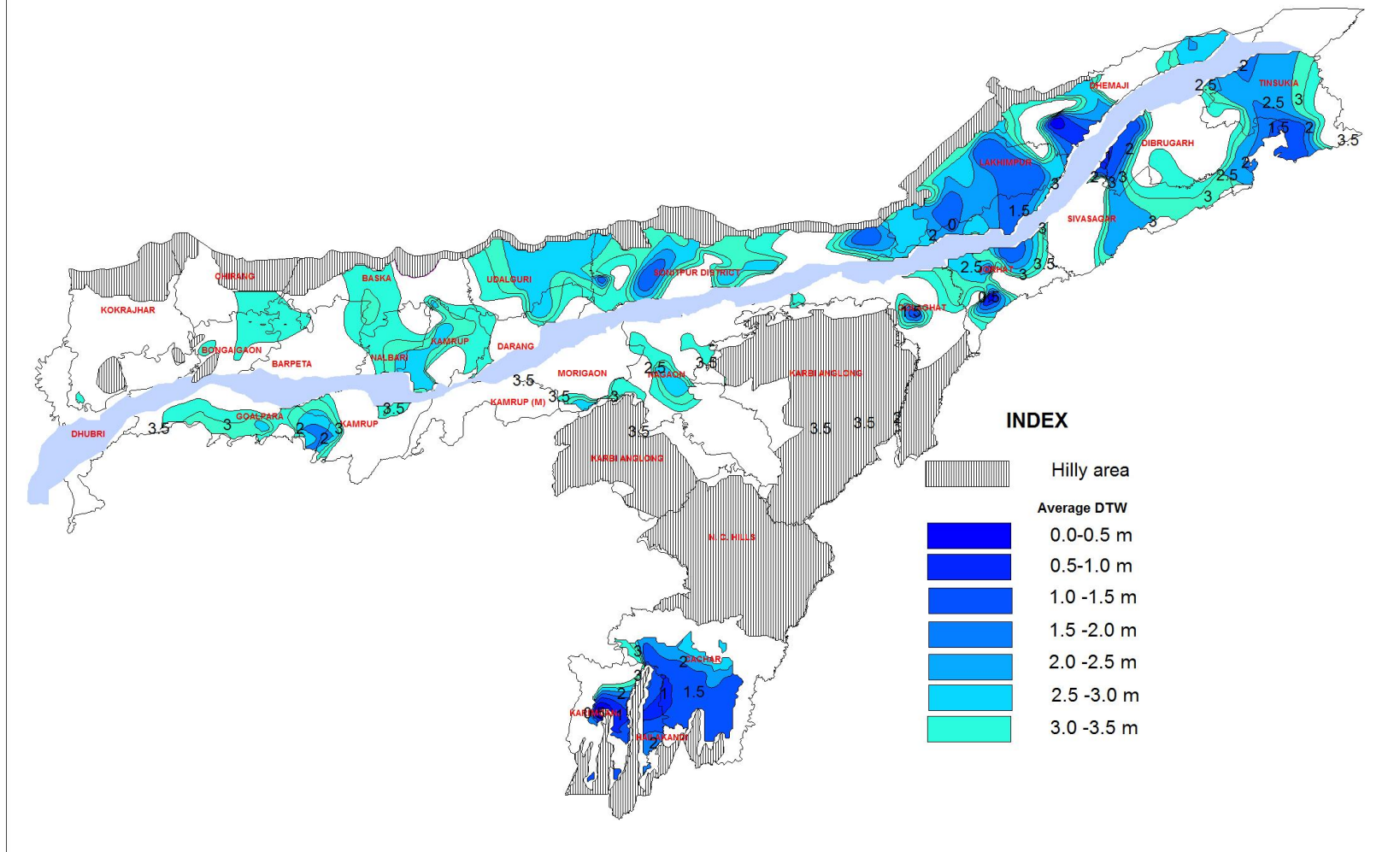
Hydro Geological Map of Assam



AVERAGE MONSOON DEPTH TO WATER LEVEL MAP, ASSAM



AVERAGE NON-MONSOON DEPTH TO WATER LEVEL MAP, ASSAM



APPENDIX 2: Minutes of meeting held with SLC for Ground Water Resource Estimation

**MINUTES OF THE MEETING OF STATE LEVEL COMMITTEE
FOR
RECONCILIATION OF DYNAMIC GROUND WATER RESOURCES ASSESSMENT OF
ASSAM, as on March 2020**

Date: 25.03.2021 Time: 15.00 hrs.

**Venue: Office Chamber of the Secretary, Irrigation Department, Block-B, IInd Floor,
Assam Secretariat, Dispur, Assam**

A meeting of State Level Committee for reconciliation of Dynamic Ground Water Resources of Assam was convened on 25.03.2021 at Office Chamber of the Commissioner & Secretary, Irrigation Department, Block-B, IInd Floor, Assam Secretariat, Dispur, Assam. The meeting was chaired by Sri. Rakesh Kumar, IAS, Commissioner & Secretary to the Govt. of Assam, Irrigation Department and the following members were present:

- i) Commissioner & Secretary to the Govt. of Assam, Irrigation Department, & Chairman of the State Level Committee (SLC)
- ii) Regional Director, CGWB, NER, Guwahati & Member Secretary of SLC
- iii) Commissioner, Department of Industries & Commerce, Govt. of Assam
- iv) Joint Secretary, Urban Development Dept., Guwahati, Govt. of India
- v) Chief Engineer, WRD, Govt. of Assam
- vi) Chief Engineer, Dept. of Agriculture, Govt. of Assam
- vii) Chief Engineer, PHED, Govt. of Assam
- viii) Chief Engineer, Minor Irrigation Department, Govt. of Assam
- ix) Dr. S.S. Singh, Scientist-C, Central Ground Water Board, GOI
- x) Dr. D. J. Khound, Scientist-B, CGWB, NER, Guwahati
- xi) Mophi Mill, Scientist-B, CGWB, NER, Guwahati

The Regional Director, CGWB, NER, Guwahati & Member Secretary, State Level Committee for Ground Water Resource Estimation, Assam welcomes all the members of the committee.

Sri B. Ray, RD (i/c), CGWB, NER with the permission of the Chair presented the report before the committee where he explained about new incorporation of INGRES software for estimation of the Ground Water Resource during 2020. He also discussed in detail on the methodology of resource estimation, various factors utilized/ considered as per norm or otherwise, constrains of non-availability of various field data, source of various field data utilized for resource calculation etc. At last, he summarized the whole findings and discuss with a comparative status of ground water resource as on 2017 and 2020 as well as reasons for the difference.

After thorough discussion all the members of the State Level committee agreed and accepted upon the figures in the draft report of Dynamic Ground Water Resources as assessed for the state of Assam (as on 31st March, 2020).



(Rakesh Kumar, IAS)

Commissioner & Secretary to the Govt of Assam
Irrigation Department
&
Chairman, State Level Committee for
Dynamic Ground Resources Assessment

Commr & Secy to the Govt of Assam
Irrigation Department
Dispur, Assam

Attendance Sheet for meeting of State Level Committee Assessment of Dynamic Ground Water Resource Estimation held in the Office Chamber of the Commissioner & Secretary, Irrigation Department, Assam, 'B' Block, 2nd Floor, Janata Bhawan, Dispur, Guwahati-06.

Sl. No.	Name	Designation	E-Mail & Contact No.	Signature
1	Sri Rakesh Kumar, IAS	Commissioner & Secretary, Irrigation Department		
2	B. Malakar	CE Inspector	brajin malakar 123 @ gmail . com.	
3	Ashok Jitkuria	Director - Planning Irrigation	Kakani ashok@gmail.com	
4	Dr. Ranjana Baruah Das	Sr. Engineer, In-charge of C. Planning.	ranjanadas@ gmail . com	
5	P. Goswami	Exe. Engineer, Dy. Dir. of Agriculture	ceagriassam.co.in	
6	Gobinda Choudhury	Asst. Engineer Assam Water Supply & Sewerage Bd	gobind@gswb.org	
7	Prinika K. Saha	S.O. & M.O. AWHSSB	chrypratikha1988@gmail.com	
8	Debjyoti Choudhury	Dy. Secy (W) Irrigation		
9	Dr. D. J. Khound	Scientist B CEICW, NER, Guwahati		
10	Ivan Dardasai	Asst. Secy. In-charge Comm. Dept.	ivanbandhu@gmail.com	
11	Bipul Das	Asst. Dir. I & E (Comm)	bipulit16@gmail.com	
12	Bhuban Hazarika	Deputy Secy. PHED	anayapha@rediffmail.com	
13	Manish Nath, IAS	Dep. Secy, CODD	uddepartmentma@gmail.com	
14	Gautam Bora	WR. Deptt. SE.	gautambora_bora42@rediffmail.com	
15	Bijlab Roy	Regional Director CEICW	rdner.cgwb@nic.in	
16	Dr. S. S. SINGH	Scientist C CEWB	rdner-cgwb@nic.in	