

IRRIGATION DEPARTMENT:: ASSAM

ANNUAL ADMINISTRATIVE REPORT :: 2022-23.

1. FOREWORD :

After announcement of the National Policy for Flood in 1954 by the Govt. of India, flood control activities were started in Assam. Since then the flood management works were carried out in the state by the then "Irrigation and Flood Control Wing" of the State Public Works Department till 1970. In the year 1970, the Irrigation and Flood Control wing of the Public Works Department was bifurcated from the parent PWD and a separate "Flood Control & Irrigation Department" was created in 1970 vide Notification No. ABP 135 / 70 / 10 Dt. 18-09-1970 . The department was again bifurcated in 1974 and a separate "Irrigation Department" was created in 1974 vide Notification No. ABP 74 / 73 / Pt / 17 Dt. 22-01-1974. Since 1974, the Irrigation Department is functioning as an independent department of Assam.

2. INTRODUCTION :

a. Location : The administrative office of the department is located at Block-B, Janata Bhawan, Dispur, Guwahati-781 006. The Chief Engineer's office is located at Chandmari, Guwahati-03 and other Circle/Divisional/Sub-Divisional offices are spread all over the State.

b. Vision : The vision of Assam Irrigation is to provide assured irrigation facility to every plot of culturable land and as per SDG, ultimate irrigation potential of 27 lakh Ha. is targeted to be created by 2030.

c. Mission : With the above vision, the Deptt. has completed/taken up nos. of Major/Medium Irrigation Projects and Minor Irrigation schemes with a mission to achieve the targeted ultimate irrigation potential of 27 lakh Ha. by 2030

d. Objectives : The main objectives/roles of the Irrigation Deptt are summarized below :-

- ❖ Increase of agricultural production by assured irrigation water during all season.
- ❖ Creation of new irrigation potential and utilization of already created potential by equitable distribution of water through command area development and water management.
- ❖ Raising of socio-economic condition adopting multiple cropping by way of Participatory Irrigation Management (PIM).
- ❖ Formation of Water User Association (WUA) for collection of Irrigation Service Charge from the farmers for utilization of irrigation water.
- ❖ Improvement of Rural Communication using inspection path provided along irrigation canals.
- ❖ Increase of indirect employment.
- ❖ Generation of Hydro-Electric Power from canal falls, drop etc. where found feasible.

e. Functions : The main function of the Deptt. is to develop irrigation facility in the state by constructing Irrigation Projects/schemes. Three type of Irrigation system are being practiced by Irrigation dept. in the state. Viz. :-

- (a) Flow Irrigation Scheme (FIS) - by constructing gated weir, barrages across the river for diverting the river water to its command area through canal system.
- (b) Lift Irrigation Scheme (LIS) - by installing electrical operated pumps and motors in the river bank pump houses or on the floating barges to lift the river water to irrigate the command area through canal system.
- (c) Deep Tube Well Scheme (DTW) / Medium Deep Tube Well (MDTW)- electrical or solar operated submersible pumps are installed in the tube wells to draw ground water for irrigating cropped land, where FIS or LIS is not feasible.

f. ISO compliance details, if applicable : N/A

g. Training Methodology and Assessment (for training institute) : Not applicable.

3. **ORGANIZATIONAL STRUCTURE OF THE DEPARTMENT :**

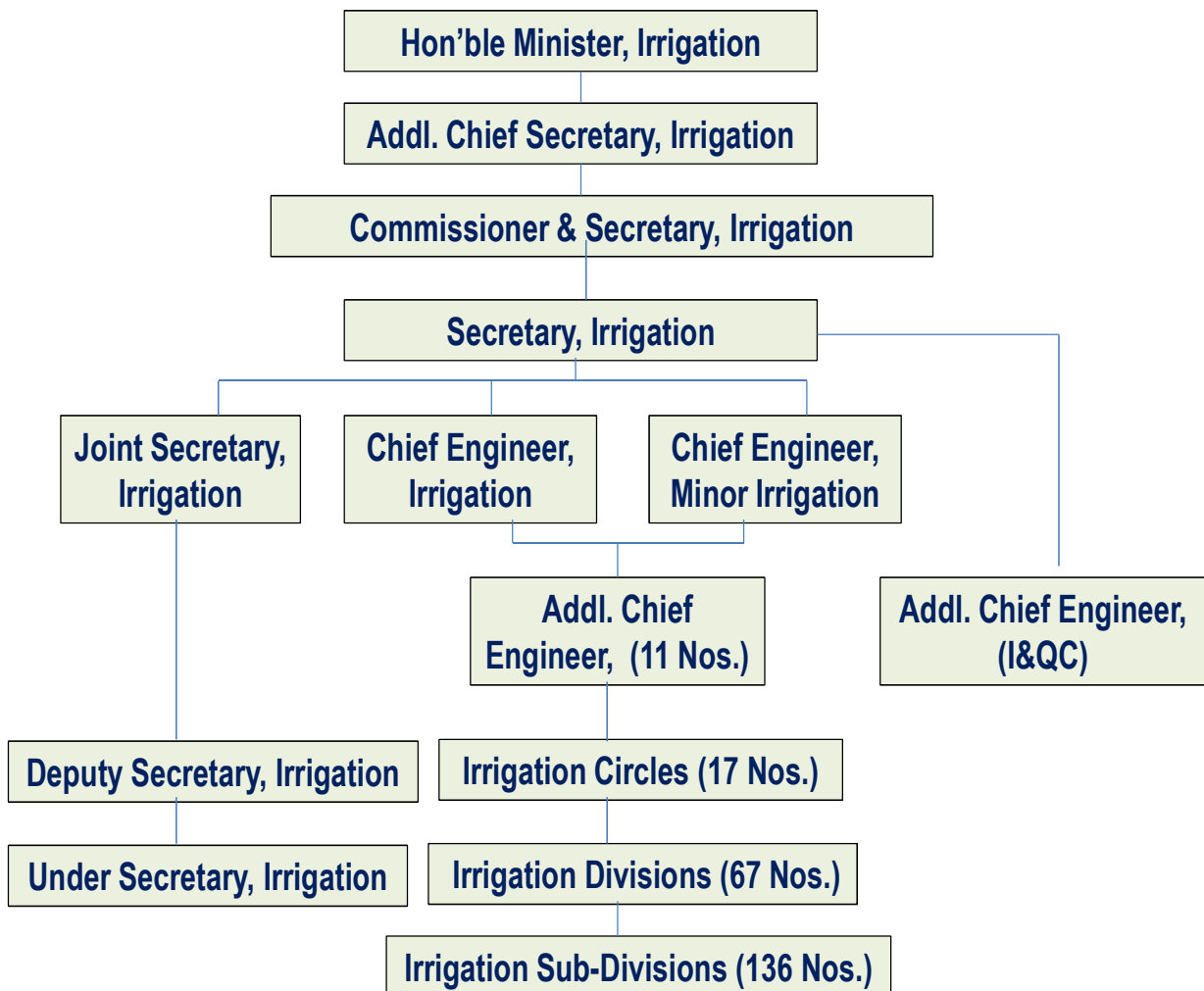
a) **Administrative Department:**

The Secretary to the Government is the Administrative Head of the Irrigation Department. All matters relating to appointment, promotion, leave, confidential matters, discipline and appellate matters are to be settled by the Secretary. He is assisted by a good number of subordinate officers and staffs both technical and non technical.

b) **Directorates Under The Department:**

There are two Chief Engineers to look after day to day function of Irrigation Department. (1) Chief Engineer, Irrigation & (2) Chief Engineer (Minor Irrigation). The Chief Engineer, Irrigation is the Professional Head of the Department at the Directorate level. He is the Professional Adviser to the Government for all round development of irrigation sector. The works of all Minor Irrigation Schemes are looked after by the Chief Engineer (Minor Irrigation). The Chief Engineer, Irrigation is to look after the establishment & all other matters related to Directorate level. The Chief Engineer prepares the Annual Plan, Budget and Work Program for the Irrigation sector. He is also responsible for implementation of related Government policy in the State. In execution of work undertaken by the Department, the Chief Engineer is assisted by various officers in different levels like Chief Engineer (Minor Irrigation), Additional Chief Engineer (Civil/Mechanical/Electrical), Superintending Engineer (Civil/Mechanical/Electrical), Executive Engineer (Civil/Mechanical/Electrical), Assistant Executive Engineer (Civil/Mechanical/Electrical), Assistant Engineer (Civil/Mechanical/Electrical), Junior Engineer (Civil/Mechanical/Electrical) and a good number of other technical and non technical staffs. The Additional Chief Engineers (Inspection and Quality Control), administers independently under the Secretary, Irrigation Department for various works of the Department.

ORGANISATIONAL SETUP



ORGANISATIONAL SETUP

Sl. No.	CADRE NAME	CADRE STRENGTH
1	Chief Engineer	2
2	Addl. Chief Engineer (Civil)	10
3	Addl. Chief Engineer (Mech)	1
4	Addl. Chief Engineer (Elect)	1
5	Superintending Engineer (Civil)	32
6	Superintending Engineer (Mech)	4
7	Superintending Engineer (Elect)	2
8	Executive Engineer (Civil)	89
9	Executive Engineer (Mech)	19
10	Executive Engineer (Elect)	7
11	Assistant Executive Engineer (Civil)	201
12	Assistant Executive Engineer (Mech)	54
13	Assistant Executive Engineer (Elect)	24
14	Deputy Agronomist	5
15	Assistant Engineer (Civil)	432
16	Assistant Engineer (Mech)	77
17	Assistant Engineer (Elect)	40
18	Agricultural Extension Officer	6
19	Junior Engineer (Civil)	654
20	Junior Engineer (Mech)	105
21	Junior Engineer (Elect)	43
22	Grade-III	3770
23	Grade-IV	1262
24	Superintendent (Gr-II)	10
25	Registrar	1
Total		6851

c) Contact Details Of Officers Of The Organization :

1. Office of the Chief Engineer, Irrigation, Assam, Chandmari, Guwahati-781 003.
Phone No. : 0361-2667305.
Email : chiefirrigasm@gmail.com
2. For Web related Matters : Pulak Sarma, Addl. Chief Engineer Mechanical Cum Chairman IT.
O/o the Chief Engineer, Irrigation, Assam, Chandmari, Guwahati-781 003.
Email : pulaketa.s@gov.in
3. For RTI related Matters : Sri Jogen Baishya, Chief Engineer (MI) SPIO (RTI),
O/o the Chief Engineer, Irrigation, Assam, Chandmari, Guwahati-781 003.
Email : baishya.jogen@assam.gov.in

4. For Grievance related Matters : Smti Dipika Biswas, Executive Engineer,
O/o the Chief Engineer, Irrigation, Assam, Chandmari, Guwahati-781 003.
Email : dipika.biswas@assam.gov.in

5. For Budget related Matters : Sri Khagen Nath, Executive Engineer -Cum-Nodal Officer (Budget),
O/o the Chief Engineer, Irrigation, Assam, Chandmari, Guwahati-781 003.
Email : ceirriassam@gmail.com

4. DESIGNATED OFFICERS AND ACTIVITIES UNDER RTI ACT, 2005 AND PUBLIC GRIEVANCES CELL :

Designated officers under RTI Act, 2005 :-

As required under the section 5(1) of RTI act, the Department of Irrigation has taken initiative to designate as many officers in the rank of Additional Chief Engineer/ Superintending Engineer/Executive Engineer and Assistant Executive Engineers as State Public Information Officers against each public authority to provide information to persons requesting for the same without the need for traveling long distances to the offices of the public information offices. Also, as many senior officers next to the rank of state public information officers have been designated as first appellate authority under this Department for early disposal of the first appeal if happens to be any. The Department has designated total 38 numbers of state public information officers against 88 numbers of public authorities for the year 2022-2023.

Activities under RTI Act, 2005 :-

During the year 2022-2023, total 586 numbers of R.T.I. applications were received by the Public authorities under this Department seeking information on various matters and out of those applications, total 574 numbers of requests were disposed of. No application was known to have been rejected during the year on any ground. Total numbers of 1st. appeal were 49 and all the appeals got disposed of satisfactorily during the hearing judged by the 1st. appellate authorities concerned. Total amount of fees collected by the Public Authorities during the year 2022-2023 were Rs.2119.00 (Rupees Two thousand one hundred and nineteen) only as per RTI Act, 2005.

During the year, 2022-2023, the Public Information Officers under the Department of Irrigation were found trying their best towards rendering all reasonable assistance to the persons seeking information. They are also instructed time to time by the higher authority concerned to be sincere and punctual in regard to providing RTI information within the stipulated time as per RTI Act, 2005 so as to avoid any appeal on any ground.

5. FUNCTIONAL UNITS/DIRECTORATES/OFFICES/CENTRE UNDER THE ORGANISATION :

Provided at Sl. 3-b.

6. INFRASTRUCTURE DETAILS :

Most of the offices of the Irrigation Deptt. have their own land and buildings.

7. CAPACITY BUILDING INITIATIVES :

For capacity building initiatives, the department has been availing opportunities for its officers to impart training and attending workshop as well as perusing higher qualifications. During 2022-23, 66 nos. of officers were sent for 24 nos. of Training program at various institute such as at State Institute of Panchayat and Rural Development (SIPRD), Khanapara; Assam Administrative Staff College (AASC); Rajiv Gandhi National Ground Water Training & Research Institute, Nava Raipur (Chattisgarh) etc. Also, 5 nos. of officers has been sent for pursuing higher studies in IIT Roorkee, North Eastern Regional Institute of Water and Land Management (NERIWALM), Tezpur and Assam Engineering College, Guwahati during 2022-23.

8. MOU DETAILS, IF APPLICABLE : NIL.

9. DETAILS OF COURT CASES, IF ANY :

There are 125 nos. of court cases filed by contractors, 90 nos. by Departmental employees and 7 nos. of court cases related to Land Acquisition. Action has been taken as per court judgment and order.

10. IMPORTANT NOTIFICATIONS/CIRCULARS ISSUED BY THE ORGANISATION, IF ANY :

NIL.

11. KEY PERFORMANCE INDICATORS / PERFORMANCE HIGHLIGHTS / ACHIEVEMENTS :

Out of the gross cropped area of 39.75 lakh Ha, 10.59 lakh Ha. (26.64%) (AIA) Irrigation potential has been created by the Irrigation deptt. so far through completed and ongoing Irrigation schemes in the State. The Irrigation potential created through Major and Medium Irrigation project is 2.74 lakh Ha. and Minor Irrigation scheme is 7.85 lakh Ha

In Major Irrigation sector, Dhansiri Irrigation Project, has been physically completed by loan assistance from NABARD (LTIF) in Nov'2022. Total 77,230 Ha. irrigation potential has been created, out of which 3,900 Ha. was created during 2022-23 and a potential of 36,272 Ha. has been utilized.

In Minor Irrigation sector, the following schemes have been completed during 2022-23 under different program:-

1. Under PMKSY-AIBP, 13 nos. of schemes completed @ estimated cost of Rs. 8551.42 L creating a potential of 7592 Ha.
2. Under SCSP, 12 nos. of schemes completed @ estimated cost of Rs. 1127.393 L creating a potential of 1450 Ha.
3. Under TSP, 3 nos. of schemes completed @ estimated cost of Rs. 394.542 L creating a potential of 175 Ha.
4. Under NABARD, 65 nos. of schemes completed @ estimated cost of Rs. 6801.08 L creating a potential of 3909 Ha.
5. Under SOPD-G: 55nos. of schemes completed @ estimated cost of Rs. 6892.813 L creating a potential of 4932 Ha
6. Under PMKSY-HKPP-PH-II, 1992 nos. of TW points completed @ estimated cost of Rs. 117.81734 L creating a potential of 7968 Ha.

Total 25,966 Ha. potential was created in Minor Irrigation sector during 2022-23.

12. RECOGNISATION AND AWARDS, IF APPLICABLE : Not Applicable.

13. NEW INITIATIVES :

A) Major / Medium Sector :

Three new medium irrigation project in Brahmaputra valley viz.

1. Buroi I/P (Estimated Amount=Rs.449.76 Crore, Estimated Potential=8830Ha.)
2. Puthimari I/P (Estimated Amount = Rs.612.55 Crore, Estimated Potential=9610 Ha.)
3. Burisuti I/P (Estimated Amount = Rs.286.55 Crore, Estimated Potential=9570 Ha). and

Two new major irrigation project in Barak Valley, viz.

1. Sonai I/P (Estimated Amount=Rs 740.93 Crore, Estimated Potential=10,850 Ha).and
2. Rukni I/P(Estimated Amount=Rs 891.20Crore, Estimated Potential=17,566 Ha.) are proposed to be taken up.

The DPR for Sonai I/P & Rukni I/P prepared and vetted by CWC was cleared by the Advisory Committee of DOWR, RD&GR of MoJS, Gol in its 150th. meeting held in New Delhi on 19th. September, 2022. For Sonai I/P, Irrigation department has been following with the concerned agencies for Forest and Environmental clearances including NOC from Tribal Affairs etc. It is expected that the clearances may be obtained within the current FY and thereafter, MoJS would be approached for investment clearances. The DPR of Rukni I/P is being reviewed by Irrigation Deptt. in view of observation of some seasonal variation in the river inflows. CWC may like to cause reverification of water availability during the lean period.

Moreover one Multipurpose project on Kulsi River is under consideration at Govt. level. The project is envisaged to create 26,000 Ha. of GCA and also to generate 55 MW of Hydroelectricity by construction of Dam unit. As desired by Hon'ble CM, Assam, a SPV in the form of Kulsi Command Area Authority (K-CADA) has to be formed. Accordingly a draft cabinet note was prepared with the no objection report received from all departments. Of late power department has mentioned of difficulty in going ahead due to objection raised by Hon'ble CM, Meghalaya with Union Minister, MoJS, Gol to keep the project in abeyance due to the anticipated submergence of many villages of Meghalaya and there are some boundary disputes in the area. The current status on the project will be apprised to the Hon,ble CM, Assam to resolve the issue with his counterpart in Meghalaya.

B) Minor Irrigation Sector :

Under PMKSY-HKPP-Mission for Access to Ground Water Irrigation, there is a proposal for 7,563 nos. of Tube Well schemes in Phase-III to be implemented in 19 districts for small/marginal Tea Growers of Assam at an estimated cost of Rs.842.7634 Crore to create potential of 18,431 Ha and 10,230 nos. of Tube Well schemes in Phase-IV to be implemented in 18 Districts of Assam at an estimated cost of Rs.604.54 Crore to create potential of 40,920 Ha. during the year 2021-22.

During the year 2022-23, 32 nos. of PMKSY-HKPP (SMI) projects were approved by SLC for implementation for an amount of Rs. 1056.6544 to create potential of 28,096 Ha. Out of which, 9 projects have been sanctioned for an amount of Rs. 302.0719 to create potential of 7,605 Ha. The rest 23 projects will be proposed for sanction in phased manner.

C) Information Technology Cell

I. Irrigation Project Monitoring System (IPMS)

Portal for Irrigation Project Monitoring System (IPMS) has been inaugurated by the Hon'ble Minister, Irrigation Department on 27th. September' 2021 with a motive to bring Departmental Officials, Contractors and Farmers in one platform for better monitoring of schemes and effective service delivery. This portal is connected to three user-friendly apps namely Irrigation Khetiyak Bondhu App for Farmers, INO Irrigation App for Irrigation Departmental Officials and Contractors, which can be downloaded from Google play store.

➤ The following details are available in web portal:-

(i) LAC wise scheme mapping (ii) Geo Tagged Location of the Schemes (iii) Beneficiary Details with Contact Numbers (iv) Division wise scheme mapping (v) Status of the Schemes (vi) Contractor Management Module (vii) New Scheme Request from the Farmers (viii) Grievances of the Farmers (ix) Photos and Videos of the Schemes (x) Interaction between Department Officials (xi) Irrigation GIS System (xii) Departmental News and Notices (xiii) Organisation Tree Map (xiv) Funding Agencies (xv) Joining Reports of the Officials.

➤ The following actions can be performed by the Departmental Officials in INO Irrigation App:-

(i) Listing of Scheme under their Jurisdiction (ii) Updation of Working Status of the Schemes (iii) Addition of the Beneficiaries to the Schemes (iv) Submission of the Field Report (v) Updation of the Location of the Schemes (vi) Listing of the Contractors under their jurisdiction (vii) Providing Departmental News and Notices (viii) Creation of the Meetings.

➤ The following features are available in INO Irrigation App for Contractors:-

(i) Contractor can get Departmental news and notices from the Officials (ii) They can get list of all the works allocated to them (iii) They can update Progress of the Work from the App (iv) They can upload photographs from the site against a work allocated to them.

➤ The following features are available in Irrigation Khetiyak Bondhu App for Farmers/Beneficiaries:-

- (i) Farmers/Beneficiaries can log in to the app
- (ii) The App is available in Assamese language as well
- (iii) Farmers may view the list of the schemes LAC wise
- (iv) Beneficiaries may report issues to the Department against their schemes
- (v) Beneficiaries may see the resolution provided by the department against their problems
- (vi) Farmers may request for new schemes to the Department from the App.

INO Irrigation Web Portal of Irrigation Project Monitoring System (IPMS) is being integrated with

1. Call Centre for beneficiary grievances redressal.
2. PM Gati Shakti National Master Plan portal.
3. Online Contractor registration portal (<https://irrigationassam.in/contractor/guidelines>) and their work orders are being uploaded at portal.
4. Social Media.

For better coordination with Agriculture Deptt., process of giving access to Agriculture Department officials in INO Irrigation Web Portal of Irrigation Project Monitoring System (IPMS) is going on by which the Agriculture Department Officials could access data related to Irrigation facilities received by farmers & area irrigated. They could also update their data which could be accessed by Irrigation Department Officials.

Call Center.

A call center has been operating in the Irrigation Department since September 2021. The purpose of this initiative is to meet up the grievances, needs and feedbacks, etc. of the scheme beneficiaries and issues related to irrigation in the State. The following advancements have been achieved so far:

- II. Per day an average of outgoing 100-120 calls are connected to beneficiaries to monitor the proper functioning of the schemes at field level.
- III. The data received from call centre has been integrated in the IPMS INO Portal of irrigation as 'Beneficiary Grievances'. The grievances are raised as tickets in the portal, which can be viewed at divisional and sub-divisional level and processed for rectification immediately.

14. **PUBLICATIONS, IF ANY** : N/A.

15. **UPCOMING IMPORTANT ACTIVITIES DURING THE NEXT FINANCIAL YEAR** :

Proposal taken up for providing Irrigation facilities for Small Tea Growers under PMKSY-HKPP in the State.

16. **AUDIT REPORT / EXPENDITURE STATEMENT FOR FUNDS RECEIVED FROM THE GOVERNMENT / VARIOUS SOURCES** :

AUDIT REPORT :

There are total 844 nos. of outstanding paras as per Half-yearly statement received from the Accountant General (Audit). Already, concerned Divisional and Circle Officers were directed from this end to furnish the reply to the Accountant General (Audit).

EXPENDITURE STATEMENT FOR FUNDS RECEIVED FROM THE GOVERNMENT

**I. REVENUE BUDGET ALLOCATION AND EXPENDITURE DURING 2022-23
FOR 2701 C.O. / 2702 C.O. / 2705 C.O.**

(Rs. in lakh)

HEAD OF ACCOUNT (REVENUE)	BUDGET PROVISION (Including SD)	EXPENDITURE UPTO 31 st . March'23.
2701	17036.82664	14526.49479
2702	80898.13998	67526.47449
2705	695.80338	359.87465
TOTAL	98630.77	82412.84393

**II. CAPITAL BUDGET ALLOCATION AND EXPENDITURE DURING 2022-23
FOR 4701 C.O. / 4702 C.O. / 4705 C.O.**

(Rs. in lakh)

HEAD OF ACCOUNT (REVENUE)	BUDGET PROVISION (Including SD)	EXPENDITURE UPTO 31 st . March'23.
4701	3967.12285	1429.34771
4702	22579.34715	13964.92516
4705	0	0
TOTAL	26546.47	15394.27287

17. **ANY OTHER DETAILS RELEVANT TO THE ORGANISATION : NIL.**

18. PHOTO GALLERY :



PANBARI FIS



PANBARI FIS



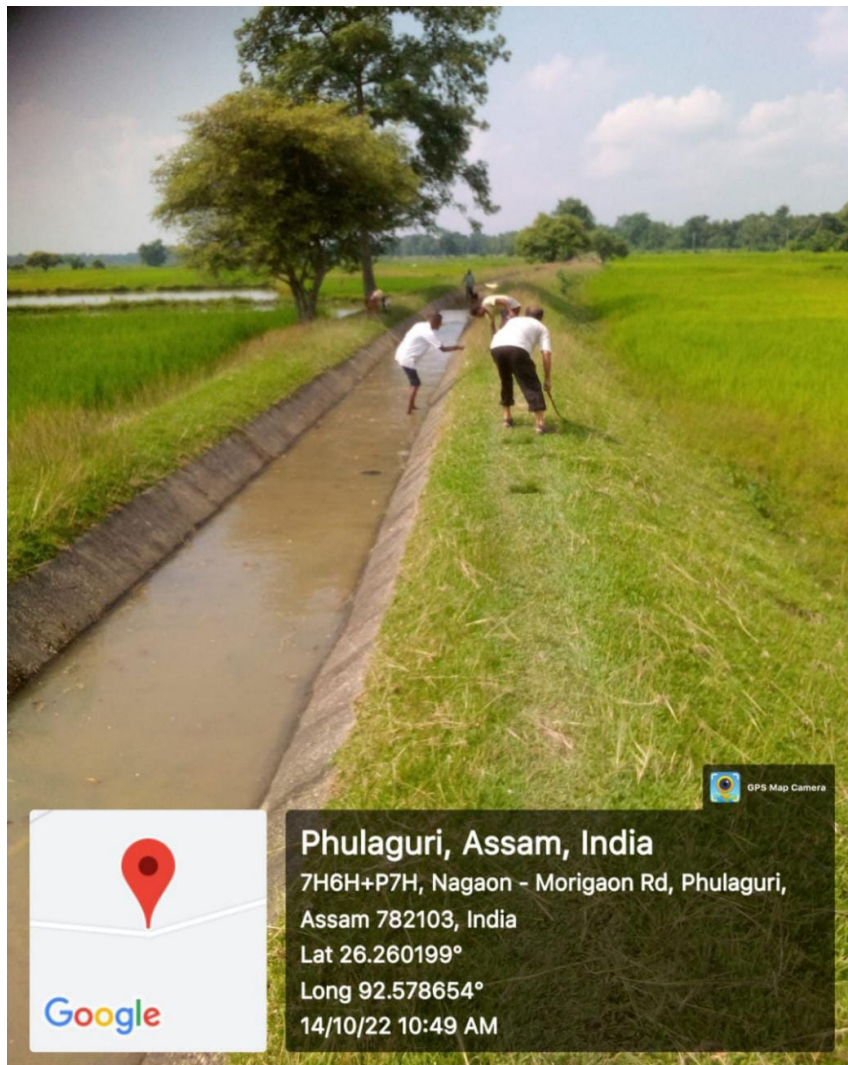
HEADWORK OF JAMUNA IRRIGATION SCHEME



JAMUNA IRRIGATION SCHEME



DHANSIRI IRRIGATION PROJECT



**INTEGRATED IRRIGATION SCHEME FROM SONAI RIVER BASIN
AND KOLLONG RIVER BASIN**



**SOLAR & ELECTRICAL POWERED TUBE WELL SCHEME UNDER
 “PMKSY- HKKP-ACCESS TO GROUND WATER”.**

Chief Engineer,
 Irrigation Department, Assam,
Chandmari, Guwahati-3.