

**PUBLIC ACCOUNTS COMMITTEE**  
(2006 - 2008)

**HUNDRED AND TWELFTH REPORT**

(TWELFTH ASSEMBLY)



**INTERIM REPORT OF THE PUBLIC ACCOUNTS COMMITTEE  
ON TOUR IMPRESSION ON THE SCHEMES IMPLEMENTED  
BY THE IRRIGATION DEPARTMENT IN THE DISTRICTS  
OF BARPETA, DARRANG, SONITPUR AND NAGAON.**

*Presented to the House on 30th March, 2007*

**ASSAM LEGISLATIVE ASSEMBLY SECRETARIAT,  
DISPUR :: GUWAHATI-781006**

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(i)

COMPOSITION OF THE COMMITTEE

CHAIRMAN :

1. Shri Brindaban Goswami

MEMBERS :

1. Shri Sarat Borkotoky
2. Shri Rameswar Dhanowar
3. Shri Gobinda Chandra Langthasa
4. Shri Abdul Khaleque
5. Shri Rajib Lochan Pegu
6. Shri Chandra Mohan Patowary
7. Shri Phani Bhusan Choudhury
8. Smti. Kamali Basumatary
9. Shri Parimal Sukla Baidya
10. Shri Jagat Singh Engti
11. Shri Anwarul Hoque
12. Shri Akon Bora

SECRETARIAT :

1. Shri G. P. Das, Secretary
2. Shri B. Basumatari, O.S.D.
3. Shri K. Rahman, C.O.

(ii)

## **PREFATORY REMARKS**

I Shri Brindaban Goswami, Chairman, Committee on Public Accounts having been authorised to submit the Interim Report on their behalf present this Hundred and Twelfth Report of the Committee on Public Accounts on the tour impression on the schemes implemented by the Irrigation Department in the Districts of Barpeta, Darrang, Sonitpur and Nagaon.

2. The Committee under took Spot Study Tour in the above mentioned Districts in the month of November, 2006.

3. The Committee considered and approved the draft 112th Report in its meeting held on 26th March, 2007.

4. The Committee places on records its appreciation for the valuable services rendered by Irrigation Department, Superintending Engineer and Executive Engineer of the respective districts. The Committee also offers thanks for the services rendered by the Secretary, Assam Legislative Assembly and the Officers and Staff in the Public Accounts Committee Branch.

5. The Committee earnestly hopes that the Government would promptly implement the recommendations in this report.

Dispur :  
The 26th March, 2007

**BRINDABAN GOSWAMI**  
Chariman,  
Committee on Public Accounts.

## **REPORT**

The Committee in its meeting held on 13th November, 2006 in the Assembly Building at Dispur with the Irrigation Department has decided to undertake spot visit to the Districts of Barpeta, Darrang, Sonitpur and Nagaon with effect from 22nd to 25th November, 2006 on the schemes of Irrigation implemented by the Irrigation Department. Accordingly, the Committee arrived Barpeta on 22nd November, 2006 and held discussion with the Irrigation Department, Barpeta Division. During the course of discussion the Committee decided to appoint an Inquiry Committee comprising of Dr. Monoranjan Das, MLA, Bhabanipur as Chairman and the Deputy Commissioner, Barpeta as the official Member to make an inquiry on the progress and achievement of Ghoramarajan FIS . Accordingly, the two Members Inquiry Committee inspected the spot and scrutinized the documents produced before the Committee and submitted a report before the Committee is appended at Annexure "A".

### **OBSERVATIONS/RECOMMENDATIONS**

On the basis of the inquiry report submitted by the Deputy Commissioner, Barpeta the Committee observed that, though the actual work on the field is as per plan and estimates, but actual cost does not commensurate with the financial involvement and one of the main reason for this, is the inflated estimate. Considering the fact, the Committee resolved to recommend that, steps should be taken to release the pending bills to the Contractors early with a stricture that the concerned Executive Engineer, Barpeta Irrigation Division, Sorbhog should be more cautious to improve the quality of works apart from the timely completion of the project in future.

Further, the Committee visited the Gajia Lift Irrigation Project and observed that although the Canal work has been completed, but not a single drop of water is found in the source. Rs. 31 lakh has been spent in execution of the scheme but actual cost does not commensurate with the financial involvement. The Committee, therefore, recommends that the Project should be completed early and intimated to the Committee within 60 days from the date of presentation this report before the House. The Committee, further recommends that the concerned Executive Engineer should be more cautious in future to maintain the quality of work as per guideline.

**Dhansiri Irrigation Project (Udalguri) :**

The Committee arrived Mangaldoi on 23rd November, 2006 and visited the Dhansiri Flow Irrigation Scheme at Bhairabkunda under the district of Udalguri. The status report on the scheme is appended at Annexure "B". During the course of discussion after visiting the Project, in its meeting of the Committee on Public Accounts held on 24th February, 2007, the Committee was informed by the Department that the original estimated amount of the Dhansiri Irrigation Project was Rs. 15.83 crores to irrigate 83,366 hectare of land and started the Project in 1975-76, targeted to complete the Project in 1981. The Department already spent Rs. 180 crores and another 30 crores liabilities are there.

**OBSERVATIONS/RECOMMENDATIONS**

The Committee observes that crores of amounts are spent in the Project but the Department totally failed to irrigate the targeted area of land. Had the fund been spent in the Lift Irrigation Scheme or water conservation or installation of shallow tube well, it would have been more beneficial. Targeted area was 83,366 hectares but now it covers only 2500 hectares after spending Rs. 180.49 crores. Last year, in drought like situation in the State the Project could not help the cultivators. It is a gross irregularity on the part of the department. Now, the department again worked out revised project cost at Rs. 210 crores. In this connection the Committee has failed to justify for seeking more funds as estimated by the department. The Committee, therefore, recommends that if any irregularities or any malafide intention is found in future, the officers concerned should be brought into book and punishment should be inflicted by the Government. The officer concerned should be more cautious to improve the quality of works apart from the timely completion of scheme in future.

**Bardikrai Irrigation Project (Sonitpur) :**

The Committee arrived Tezpur from Mangaldoi on 24th November, 2006 and visited Bardikrai Irrigation Project. The department informed the Committee that the original estimated cost of the Project was Rs. 3.53 crore and the scheme was started in 1975. Now, the total investment of the Project is Rs. 68.55 crore and another Rs. 2.8 crore liabilities are there. The department submitted the status report of the Project appended at Annexure "C".

After visiting the project, the Committee on Public Accounts, Assam Legislative Assembly has directed the department to furnish the following documents/papers to the Committee relating to Bardikrai Project vide this Secretariat letter No. LAP AC. 17/2006/4958 dated 27th December, 2006.

- I. Copy of Bank draft/NSC amount deposited by the Contractors as security deposit.
- II. Copy of Statement regarding payment made against each Contractor since inception.
- III. Copy of preliminary work order.
- IV. Copy of formal work order.
- V. 2% earnest money received against work value.
- VI. Work order issued by the Executive Engineer as per his delegation of financial power and earnest money received.
- VII. Copy of quality control report, if any.
- VIII. Measurement Book (Bill).
- IX. Contractor's ledger (up-to-date).
- X. Cashbook (up-to-date).
- XI. Vouchers (up-to-date)
- XII. Fund receipt:
  - (a) FDR
    - (I) Repairs Work
    - (II) Original works
  - (b) Untide fund
    - (I) D.C's
    - (II) MLAs

Further, the Committee desired to know if the estimated amount of a work is more than 5 lakh it should make advertise in the News papers inviting tenders from the Registered contractors/firms as per rule vide this Secretariat letter No.LAPAC.11/2006/255 dated 5th March, 2007. If

so, a detailed report along with Treasury payment list and M.B. against the vouchers should be submitted to the Committee. But the department could not produce the entire documents/papers as desired by the Committee except C.S. file (95 Nos.), Cash Book (1 No.) M.B.(34 Nos.) S.M.B. (34 Nos.) Counter foil of Cheque book (7 Nos.).

The Secretary to the Government of Assam, Irrigation Department has informed the Committee in the meeting held on 24th February, 2007 that the Executive Engineer, Bardikrai Irrigation Project, Itakhola Division was directed to transfer the tender Assistant Shri Deben Bora for his irregularities. But the Executive Engineer did not follow the order of the Secretary. During the course of discussion it was also found that the Executive Engineer himself involves in the irregularities of Bardikrai Irrigation Project. The Committee therefore, directed the Secretary, Irrigation Department to place under suspension both of them with immediate effect. Further, the Committee also directed the department to lodge FIR against the officials concerned who did not submit the documents/papers as desired by the Committee in its meeting held on 14th March, 2007.

### **OBSERVATIONS/RECOMMENDATIONS**

Whatever the documents/papers have been submitted by the department, the Committee has gone through it and found gross irregularities. The irregularities are :

1. The Committee surprise to note that there is no signature of Executive Engineer in the cashbook, which is a gross irregularity. (Copy at Annexure 'D')
2. The Committee observes that the counter foils of hand receipt are found to be doctored by the Executive Engineer (Copy at Annexure 'E').
3. The work was awarded to the Nobel construction but the work has been executed by an Enterprise.
4. The work was awarded to Bisheswar Sahu without inviting tenders, which is also a gross irregularity.
5. There is a note of Additional Chief Engineer in file that the firm which are not standard the work should not be awarded to them, but it is surprised to note that the work was allotted to such a sub-standard firm.



6. The Committee observes that the work has been awarded to a person who did not submit his tender papers instead of the contractors who submitted their tender papers legally. It is a gross irregularity.
7. It is also observed that, the contractor who have submitted tender papers without signature, the work were awarded to them. Quoting of rate is a must but, in item No. 11 the work was allotted to such a contractor who did not quote the rate.
8. The cleaning of silt deposited in the Canal bed executed by head load but it is shown as truckload by incurring an expenditure of Rs.60 lakh.
9. The Committee observes that the last payment has been made Rs.7.67 crore to the contractors during the month of February,2007 by the department. But it is not recorded in the cash book except amounting to Rs. 38 lakh. The department also failed to produce all the vouchers and MB against the amount already spent.

Taking into consideration the fact, the Committee therefore, recommends that a High Power Inquiry Committee be constituted comprising of the Chief Secretary to the Government of Assam as Chairman, the Chief Engineer, Irrigation, Assam as Member Secretary and the Commissioner & Spl. Secretary to the Government of Assam, Public Works Department as Member and to make an inquiry on the matter and submit a report to the Committee within 30 days from the date of presentation of this Report before the House. All the officials involved in this irregularity should be brought into book and exemplary punishment should be inflicted against them and recovery should be made entire mis-appropriated amount from the fraudulent officials and should be deposited into the Government exchequer.

### **Kaliabor Lift Irrigation Scheme/Integrated Irrigation Scheme for Kolong River Basin and Sonai River Basin.**

The Committee arrived Kaliabor from Tezpur on 25th November,2006 and visited Kaliabor Lift Irrigation Scheme at Hatimora. The Committee then, on the way to Nagaon Circuit House visited Integrated Irrigation Scheme for Kolong River basin and Sonai River basin implemented by the Kaliabor and Integrated Kolong Division (Irrigation) Nagaon. The status reports of both the schemes are indicated at Annexure 'F' and 'G'.

The Committee after visiting the schemes and held discussion with the Irrigation Department, Nagaon. The Committee directed the department to submit a report regarding total Major and Minor Irrigation Schemes implemented by department along with targeted area for irrigation in the district and amount spent. The Committee also desired to know the nos. of schemes not completed and defunct and their financial involvements. Regarding Tokobari Operation Scheme, the Deputy Commissioner was asked to make an inquiry and to submit a report to the Committee.

### **RECOMMENDATION**

The Committee therefore, recommends that the department should utilize the fund properly whichever will be received so that the schemes could be implemented properly for the benefit of the poor cultivators of the locality.

**ANNEXURE 'A'**  
**INQUIRY REPORT**

**THE ALLEGATION**

A public allegation and complaint was verbally received by the Deputy Commissioner, Barpeta that the Executive Engineer, Irrigation, Barpeta Division, Sorbhog has submitted a number of bills for payment to the Treasury Office, Barpeta for payment to the contractors under Rs.34.00 lacs ceiling issued vide No.IGN(B)/91/2001/1-A dtd.6/11/2006 with validity upto 10/11/06. The bill was submitted against the works under Ghoramara Jaan Flow Irrigation Scheme(FIS) falling under Executive Engineer, Irrigation, Barpeta Division, Sorbhog. On receiving the allegation of alleged fake bills upto some extent the Deputy Commissioner, Barpeta asked the Treasury Officer, Barpeta to withhold the payment until an enquiry was made vide this office Memo No.CAD.2/06/4 dtd. 21/11/06. By the same letter the Executive Engineer was also asked to produce details of estimates, sanction order, progress of works etc. under the said ceiling. Subsequently, the news item was published in Asomiya Khabar on 23rd Nov/06, Amar Asom on 23rd Nov/06 and Sampratik (weekly) on 27th Nov./06 regarding alleged anomalies of submission of fake bills. As a result the matter came to the notice of the Public Accounts Committee( PAC) of the Assembly headed by Shri Brindaban Goswami, Leader of Opposition and the Chairman of PAC. The PAC convened a meeting on Irrigation Department and DRDA works at Barpeta on 22/11/2006. This allegation of submission of alleged fake bills in connection with Ghoramara Jaan FIS by Irrigation department was also discussed and the committee decided to appoint an enquiry committee with Dr. Monoranjan Das, MLA, Bhabanipur as Chairman and the Deputy Commissioner, Barpeta as the official member. Accordingly the two member enquiry committee including the MLA, Bhabanipur and the Deputy Commissioner. Barpeta inspected the spot on 16/12/2006 and also scrutinised through the documents produced before the committee. Hence, this enquiry report.

**ABOUT THE SCHEME**

The Irrigation Department envisaged an FIS to be built at Ghoramara Jaan near Bhuyanpara village in the erstwhile Barpeta District (now in Baksa District) in the year 1988 with an aim to create irrigation potential of 400 hac. to the farmers of villages namely Kumguri, Ghoramarajan,

Baghmara, Karaimari and Dongpar. Accordingly the scheme was administratively approved by the Govt. vide No.IGN(P) 145/88/2 dtd.31/3/88 for Rs.61.83 lacs and the corresponding technical sanction was accorded vide No.ACE/2-1/TB/158/90-91/13 dtd.30/4/90. The execution of work at Ghoramarajan started from 1991-92. The original expenditure was incurred under state funding, TSP sub-head.

The progress of the scheme languished over the year because of some extraneous causes such as paucity of fund and unwillingness of the contractors to work in a remote area during BodoLand Movement. The engineers were also reluctant to supervise the work at the remote site due to adverse law and order situation. The progress of the work was totally halted in between a gap period. Only in the month of February, 1990 when the law and order situation improved, the work was proposed to be restarted. In the year 2000, when it was proposed to restart the work at Ghoramarajan FIS the estimate had to be revised. The revised estimate came to be Rs. 152.00 lacs against the original estimates of Rs. 61.83 lacs. The huge increase occurred due to mainly two factors (1) escalation of prices from 1988 to 2000 and (2) in original estimate the provision of guide bundh & afflux bundh and the canal system were not made but department included them in the revised estimate. Accordingly the revised estimate was submitted to Government and the administrative approval was accorded vide No. IGN (W). 71/2002/126 dated 27/3/02 for Rs. 152.00 lacs.

### PROGRESS OF WORK

The works which were also executed before the revised estimate, were estimated to be as follows :

1. Head work structure	:	Rs. 17.29 lacs
2. Land Acquisition	:	Rs. 0.66 lacs
3. Approach road	:	Rs. 1.13 lacs
4. R.C.C. slab culvert	:	Rs. 1.34 lacs
5. S.O's quarter	:	Rs. 1.19 lacs
6. Construction of S.Os		
Quarter cum rest house at Barpeta	:	Rs. 4.92 lacs
7. Compound filling of rest house	:	Rs. 1.47 lacs

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Total                    ::                    :                    Rs. 28.00 lacs.

Therefore the amount for the works comes to be Rs. 124.00 lacs (Rs. 152.00 lacs-Rs. 28.00 lacs.). This balance work was proposed under Accelerated Irrigation Benefit Programme (AIBP) funded by the department and accordingly necessary approval was accorded for Rs. 124.00 lacs under AIBP. In the balance work estimate under AIBP, provisions are made for :-

* 1. Head work structure	:	Rs. 69.39 lacs.
* 2. Canal system	:	Rs. 54.61 lacs.

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Total : Rs. 124.00 lacs.

Accordingly the work was started again from 2001 under AIBP funding.

The total LOC received and payment made under AIBP since 2001 are as follows :-

Date of LOC	Amount	Payment made
16/2/2002	Rs. 5.00 lacs.	Rs. 9.98 lacs.
18/2/2002	Rs. 5.00 lacs.	
5/7/2003	Rs. 5.50 lacs.	Rs. 5.50 lacs.
8/6/2004	Rs. 3.75 lacs.	Rs. 3.75 lacs.
13/12/2004	Rs. 6.50 lacs.	Rs. 6.50 lacs.
6/11/2006	Rs. 34.00 lacs.	Payment withheld for this enquiry

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Total LOC received : \*Rs. 59.75 lacs.

Thus it is observed that upto-date financial involvement is less than 50% against the physical progress as shown by the department which is more than 50%.

### VISIT TO THE SITE :

The enquiry committee along with Dr. Monoranjan Das, MLA, Bhabanipur and the Deputy Commissioner, Barpeta visited Bhuyanpara to inspect the physical progress of the Ghoramarajan FIS on 16/12/2006. The following officers of Irrigation department accompanied us during the site inspection :-

1. Shri K.N. Sarma, Superintending Engineer, North West Project Circle, Barpeta Road.
2. Shri Ajmal Ali Seikh, Executive Engineer, Barpeta Division, Irrigation, Sorbhog (in position from Nov/04)
3. Shri Gajendra Talukdar, SDO, Irrigation, Barpeta Division (in position since August/06)
4. Shri Naba Kumar Bayan, A.E.E. (in position since May, 2006)

The committee also discussed the matter with the villagers and the Gaonburhas who have been witness to the progress of the scheme and are going to be the direct beneficiaries of the FIS.

The following observation was made on the ground :-

1. The said Ghoramarajan has been closed due to natural causes for last 10 years someway about 3 kms, upstream. The villagers seem to have forgotten that there water in the jan at some point of time. However, the departmental engineers claimed that the "jan" will be resorted and water will be brought back to the FIS. Nevertheless the ground situation put a question mark on the future feasibility of the project.
2. After the scheme has been funded under AIBP, the deadline for completion of the scheme was fixed as March 31, 2007, but the physical progress has been far from satisfactory and there is no sign of completing the scheme within the prescribed time period.
3. The villagers reported that a headwork was done long back and during the last year only 17 days work was done on the headwork. During the site inspection no worker/labourer was seen working at the spot.
4. The canal system is supposed to be 7 kms. long in 2 streams, one of 5 kms. length and another of 2 kms. length. The separator has been constructed at the main canal system and quite a length of earthen canal has been dug. However, the canal separator is yet to be joined with the headwork.
5. The physical progress of the headwork can be said to be about 50% to 60% and similarly the canal work has also been estimated to be progressed upto 50%.

**CONCLUSION :**

1. The quality of work is not very satisfactory. It seems to be inferior in so much as the quality of material and workmanship is poor. The remoteness of the area may be one of the reasons for this.
2. The progress of the work has been hampered by various factors from time to time which includes law and order situation, Bodo movement, Price escalation, remoteness and paucity of funds.
3. Though the actual work on the field is as per plan and estimate but the actual cost does not commensurate with the financial involvement shown. One of the main reasons for this is the inflated estimate.
4. The Executive Engineer, Barpeta Irrigation Division, Sorbhog may be issued a warning to improve the quality of work apart from the timely completion of the project.

**Encls :**

1. Photocopy of the Ceiling of Irrigation Department.
2. Photocopy of item published in 3 news papers.
3. Contractors physical and financial progress report under the scheme Ghoramarajan FIS showing. The amount of bill submitted under Rs. 34.00 lacs Ceiling.
4. Photocopy of Administrative approval & technical sanction of the original/revised estimate.

Sd/-  
Deputy Commissioner,  
Barpeta

## ANNEXURE - 'B'

## PROJECT AT A GLANCE

Name of Project	Dhansiri Irrigation Project (Major)
Location	Bhairabkunda Latitude - 26° 53 75 Longitude - 92° 07 12
District	Udalguri (BTAD), Assam
Irrigation Potential	83.366 Ha. (AIA)
Estimated cost	Original 15.83 Crores (approved cost 1975) 1st revised 158.32 crores (March, 1992 price level) 2nd revised 401.24 crores (March, 2004 price level).
Year of start	1975 (5th Five Year Plan).
Distance from Mangaldai	70 K.M.
Total Design Discharge of main Canal.	56.63 Cumes
Purpose	Irrigation and Hydro Power.
Cumulative Expenditure upto March, 2006.	180.49 Crores.
Present status of the Project and works.	Overall progress of the project 76% Complete 88%
Canals.	
Main Canal & Branch Canal	98.90%
Distributory system	77.00%
After Course	Nil.
Potential Created	26.000 Ha. (AIA).
Reasons for delay	Paucity of fund Land Acquisition Problem Initially. Limited working season. occurrence of devantating, floods Inclusion of new structures etc. Detioration of the law and order in the working area.
Amount required for balance work of the Project	Rs.401.24-180.49 = 220.75 Crores, which includes committed liabilition of Rs.29.84 crores. Excluding establishment cost Rs. 26.28 crores (being transferred to non-plan head) Amount required, AIBP component Rs.145.85 Crores and State share Rs.48.62 Crores Total Rs.194.47 Crores. This amount also include for strengthening and rentoring of completed unlined canal systems. which are lying in fragile environment for years.



VISIT OF HON'BLE MINISTER IRRIGATION ASSAM AT DHANSIRI  
PROJECT IRRIGATION ON 2ND AUGUST, 2006.

STATUS REPORT OF DHANSIRI PROJECT IRRIGATION  
MAJOR AS ON 30TH JUNE, 2006.

Dhansiri Irrigation Project, a major Irrigation Project of the State of Assam is situated in Udalguri district now within jurisdiction of Bodoland Territorial Autonomous District (B.T.A.D.) at to provide assured Irrigation to an area of 41,833 Hect. culturable command area (C.C.A.). It is a run of the River Project envisaged construction of Head Work across the river Dhansiri 5.00 M. down stream of the confluence point of river Jampani originates from Bhutan Hill and river Bhairabi coming out from Arunachal Pradesh hill. It has been proposed for double cropping with 200% Irrigation intensity to create ultimate irrigation potential of 83,666 Hectore annually.

The Planning Commission, Government of India approved the project in 1975 vide No. 15(1)75-I and CAD dated, 25th June for an amount of Rs. 15.83 crores. The Administrative approval was given by the Government of Assam for Rs.15.83 crores vide No. FCI/164/73/349, dt. 2.9.1975. The Project work thus started in 1975-76 and targetted to complete the Project in 1981. But due to various reasons the Project could not be completed in time. (Causes of delay in completion of the Project is appended).

This follows the preparation of the first revised estimate at an estimated cost of Rs. 158.32 crores (March, 1992 price level) and the TAC of Planning Commission accepted the revised cost in November, 1993. Consequent upon non-completion of the Project in targetted time, the second revised project cost has been worked but at Rs. 401.24 crores at March, 2004 price level. This revised cost is also accepted by the TAC of the Planning Commission in February, 2006 and now is awaited for State Finance Concurrence for getting investment clearance from the Planning Commission.

To expedite the completion of the Project early, in order to check the cost over run due to prolonged time over run on one hand and the state that had passed days with bitter experience for acute shortage of fund on the other hand compels the Government to include the Project for Central Loan Assistance (CLA) under AIBP in 1996-97 for completion of the remaining

works. It is although targetted to complete by 2004, for non receipt of catching state share and in adequate release of fund delayed its regress and the target has now been refixed to complete the project in all respect by 2008.

The physical progress of the Project work so far achieved is 76% and an amount of Rs.145.85 crores are is need to complete the balance work brought under AISP component and state share 48.62 crore. The Project was however, partially inaugurated on 25th June, 1995 and water has been supplied to the farmers since then. The irrigation potential created as far in 26,000 Ha. annually. However utilization of the created potential could not be achieved in full as the farmers do not go for cultivating Rabi crops and also there is loss of created potential due to breach of the canal embankment and damage of canal structure because of flood and thereby results a missing link in created potential. On full development of the project, the financial return at the end of 10th years is expected to have 4.5216%. The expenditure so far made upto March 2006 against this project is Rs. 180.49 crores and an liability against the included work and L. A. case is Rs.29.84 crores (For L.A. case Rs.0.778 crores).

### THE PROJECT AT A GLANCE :

#### (A) PROJECT SALIENT FEATURES.

##### 1. LOCATION :

River	:	Dhansiri.
District	:	Udalguri.
Latitude	:	26 53' 75"
Longitude	:	92 07' 12"

##### 2. HYDROLOGY :

Total catchment area at Dams site	:	1165.50 Sq. Km.
Interception catchment area of Bhutan	:	751.10 Sq. Km.
Net catchment area in India	:	414.40 Sq. Km.
Average Annual Rainfall	:	3500.00 mm.
Average Annual Rainfall at site	:	2360.88 mm.

75% dependable runoff	:	1470.18 mm.
Maximum	:	104 Cumees
Minimum	:	9.4 Cumees
Water requirement on 10 daily basis.	:	
Maximum	:	50.20 Cumees during August
Minimum	:	2.8 Cumees During March.
Gross Annual utilization	:	492.00 mm.

### 3. BARRAGE :

Pond level	:	R.L. 210. 8 H.
Average Bed level	:	R.L. 207.24 M.
Cross level ;		
Under Sluice	:	R.L. 208.00 M.
2 River Sluice	:	R.L. 208.00 M.
High Flood level	:	
Afflux	:	1.94 M.
Maximum Flood level	:	R.L. 215.35 M.
Design Flood	:	4250 Cumees
Length of Barrage	:	160.00 M.
River Sluice	:	4 days of 16.0 M. each 3 piers of 2.0 M. each
Under Sluice	:	2 bays of 16.0 M. each 1 pier of 2.0 M.
Spillway	:	3 bays of 16.0 M. each 2 piers of 2.0 M each
Divide walls	:	2 Nos of 2.0 M. each

### 4. HEAD REGULATOR :

Location	:	On right flank.
No. of bays	:	a Nos of 5.0 M. each
Length	:	37.5 M.
Pond level	:	R.L. 210.80 M.
Cross Level	:	R.L. 269.50 M.
Design Capacity	:	68.00 Cumees

## 5. CANAL SYSTEM :

Length of R.B. canal (Lined)	:	21.20 Km.
Design Discharge	:	56.63 Cumecs
Nos. of Branch canals	:	5 Nos.
Length of Distributories	:	414.42 Km.
Minors & sub-minors		

## 6. COMMAND AREA :

G.C.A.	:	60376 Ha.
C.C. A.	:	41700 Ha.
Annual Irrigation	:	83366 Ha.
Intensity of Irrigation	:	200%

## 7. FINANCIAL ASPECTS :

Estimated cost	:	Rs.35502 Lakh
Estimated Cost Ratio	:	1.89
Financial return at the end of 10th year after completion	:	4.5216%
Cost per Ha. of Annual Irrigation	:	Rs.42586/-

## 8. PROJECT COMPONENT :

(1) HEAD WORKS :- The head work is 160 M. long constructed across the river Dhansiri and construct of 9 bays, under sluices 2 Nos. spill way sluices 3 Nos. and remaining 4 Nos. river sluices and each having clear open of 16 M. with 6 piers of width 2 M. each and divide wall 2 Nos 2 M. each.

(2) CANAL SYSTEM :- Just up-stream on right side of the head work, the head regulator gates (6 Nos.) in constructed to divert river water through the lined main canal of length 21.20 Km.

There are 5 (five) Nos. branch canals viz. B<sub>1</sub>M, B<sub>2</sub>M, B<sub>3</sub>M, B<sub>4</sub>M, B<sub>5</sub>M and a No. of distributory canals of taking from different chainage of the branch canals. The total length of branch and distributory canal system is 414.41 Km. The net work of the main branch and distributory canal system is so designed that each drop of water reach the 41.866 Hectre of C.C.A.

under five development blocks viz. Udalguri, Rowta, Mazbat, Kalaigaon & Besimari of Udalguri District. The physical and financial progress of canal system upto March, 2006 are 98.90% and 67.61% respectively. There is however works to be completed for B<sub>1</sub>B<sub>2</sub>M canals 2 restoration works of some canals. Canal out lets, distributory canals, water courses including some major structures like Golandi aqueduct, Khowrang, Deisham equeduct silt ejectors etc.

(3) HYDRO POWER WORKS :- The main canal passes through very steep gradient in foot hills area and as such five No. chute falls of 9 M. each is envisaged to be utilized for generation of hudpower through 5 power stations with total installed capacity of 20.00MW.

The construction of five No. chute falls are completed except inettallation of gater.

The civil works like cross and head regulator, u/s guide bund, tie bund including Mechanical portion i.e. fabrication and installation of gates were completed in the year 1993 except left side D/S guide band, closing bund over river Bhairabi, Hillock protection work etc. Considering the half done work as mentioned above, the over all physical and financial progress of work of the head works under sub-head (C - works of unit-I) worked put 88% and 49.11% respectively upto March/2006.

The Assam State Electricity Board (ASEB) has taken up the work for power generation work and incomplete stage. They however, work 2000 cuses of silt free water to run turbines etc. for power production. There is a project provision of 2 Nos. silt ejectors and construction of the silt ejector at 80 M. of main canal is allotted to a contractor, but satisfactory progress of this work could not be achieved as the contractor stopped construction for non-receipt of payment etc. Further, in a very recent time, high level officials of both ASEB and State Government have visited the Project site and held discussion for formulation of new policy for early completion of power generation works.

(4) WATER COURSES :- The water courses and other developments aspects of command area in not yet taken up. The works will be taken up phase-wise which is the usual mode of constructions practice.

**(C) MAJOR ONGOING PROJECT WORKS :**

- (1) Construction of closing bund cum approach road from Arunachal Pradesh to Assam over the river Bhairabi (Diverted course).
- (2) Construction of Hillock protection works at left bank of river Dhansiri at Up-stream of Dhansiri Barrage.
- (3) Construction of permanent protection embankment at D/S of Dhansiri Barrage on right bank.
- (4) Construction of silt ejector at ch. 80 H. of main canal.
- (5) Construction of aqueduct at main canal over Khowrang and Daisham river.
- (6) Construction of left and right bank (U/S and D/S) guide bund of Golangi Acquiduct at ch.9754.00 M.

**MAJOR BALANCE WORKS :**

1. Steel plate cladding on sides of piers, divide walls and as wearing coat on floor of Dhansiri barrage.
2. Construction of silt ejector at main canal
3. Construction of Regulator at canal heads 5 Nos.
4. Construction of intake Regulators 5 Nos.
5. Construction of Regulator at Batabari Dong at Kalajhar Village.
6. Fabrication, Installation of Steel gates at Regulators.
7. Fabrication and Installation of Steel gates at Chute falls including second stage concreting.
8. Construction of Acquiduct at ch.13762 H. of main canal.
9. Construction of escape channal along with its allied structures.
10. Construction including restoration works of main canal from ch.0 M. to 21.115 M.
11. Construction of B<sub>1</sub>M canal including restoration work. 0 M. to 26,518 M.
12. Construction of B<sub>2</sub>M canal including restoration work ch. 0 M. to 25,908 M.
13. Construction of B<sub>3</sub>M canal including restoration from ch. 0 M. to 2103 M.

14. Construction of B<sub>1</sub>M canal including restoration from 0 M. to 3475 M.
15. Construction of B<sub>2</sub>M canal including restoration from 0 M. to 16.459 M.
16. Construction of water course and field channel.
17. Drainage and Anti water logging measures.

**(D) CAUSES OF DELAY IN COMPLETION OF THE PROJECT :**

- (1) Initially target date of completion of the project was 1981. The project work started in 1975-76 Civil work of main barrage could be completed in 1987 after cancellation of work to the first contractor for inordinate progress and realotted the name in 1983 after vacating injunction imposed by Calcutta High Court in favour of the first contractor, when he filed a court case.
- (2) International boundary problem with Bhutan and Arunachal Pradesh and time consumed for getting permission for construction of Guide bund, closing bund etc.
- (3) Occurrence of devastating flood in 1979, 1984 and 1989 and diversion of Dhansiri river twice and Bhairabi river at up-stream out flanking the barrage every time it caused covel damages to the canal structures etc. and restoration works taken thereafter.
- (4) Problem of land Acquisition causing non-possession of land in time.
- (5) Various agitational programme and Bandh called by different organisation from time to time caused loss of several man day and thereby hinderance to the progress of the work.
- (6) Non-receipt of fund as per work progress.
- (7) In addition to these on dilapidated I.B. of Arunachal Pradesh Govt. with Assam territory falls in the initial reach of the main canal alignment. Due to existence of the same only half of the canal section has been executed correspondence have been made, but no permission is accorded yet by the Arunachal Pradesh Govt. to dismantle the same.

**(E) REASONS FOR INCREASE IN ESTIMATE COST OF THE PROJECT :**

During the long intervening period due to money of changes in the project in some aspects, several additional components of work

have been executed/provision made which were not included in the original project report. These are :

- (1) A massive closing bund of length 557 M. having provision of armouring with articulate concrete block in the river side as per design of C.W.C. New Delhi, for bringing back the river Bhairabi to its original course at upstream of Dhansiri Barrage.
- (2) Construction of 500 M. long Tie Bund linking with a permanent protection embankment upto 4.5 Km. downstream of barrage to save the canal system, structures, cultivated land, villages etc. from recurrence of flood fury due to change of Dhansiri river courses.
- (3) Construction of catch of water drain parallel to the main canal preventing entry of surface run-off from foot hills.
- (4) Construction of a left side downstream guide bund as per site requirement.
- (5) Inclusion of two numbers silt ejectors to reduce colossal problem of silt deposition in the main canal.
- (6) Main escape channels incorporating numbers of massive structures.
- (7) Inclusion of most public concern Kalajhar regulator for distribution of main canal water at the initial reach through Kalajhar river by integrating with the canal water.
- (8) Protection provision of upstream adjoining hillock of barrage.
- (9) Provision of steel plate cladding to over come the abrasion effect of tremendous rolling of big size boulder during flood times.

The project cost increase due to rise of price of construction materials and mainly due to involvement of these unavoidable works and inadequate fund flow to execute the work as per programme chalked out. as a result once works taken up as per programme of stipulated time of it could not be made due to lack of fund flow and unexecuted works spilled over to the next year repeating the same trend year after year, accruing cost escalation of the project.

#### **(F) IRRIGATION POTENTIAL CREATION :**

The project was included for CLA under AIBP for completion of the remaining works in 1996-97. The overall physical progress of the project is 76% upto March/2006.



The ultimate irrigation potential of the project is 83366 HA (AIA) and year-wise potential achievement is as under -

**POTENTIAL CREATED IN HA.**

Upto March 1996	During 1996-97	During 1997-98	During 1998-99	During 1999-2K	During 2K - 01	During 01 - 02	During 02 - 03
1	2	3	4	5	6	7	8
15000	Nil	1500	3500	5000	250	750	Nil

During 2003-04	During 2004-05	During 2005-06	Total upto March/06
9	10	11	12
Nil	Nil	Nil	26.000

**(F) FINANCIAL PROGRAMME AND PROGRESS :**

Estimate cost of the project (2nd revised) : 401.24 Crores.  
 Expenditure incurred prior to AIBP upto March/96 : 103.56 Crores.  
 Expenditure incurred upto March/2006 : 180.49 Crores.

**EXPENDITURE INCURRED DURING 1996 TO 2006 :**

C.L.A. ----- = 32.80 Crores.

State Share ----- = 11.85 Crores.

Expenditure incurred on establishment = 32.28 Crores.

Total = 76.93 Crores.

Total Expenditure upto March/2006 = 103.56 + 76.93 = 180.49 Crores.

(M. ROHMAN)  
 Executive Engineer,  
 Dhansiri Project No. 1 Division, (Irrigation);  
 Bhairabkunda. P.O. Bhairabkunda.

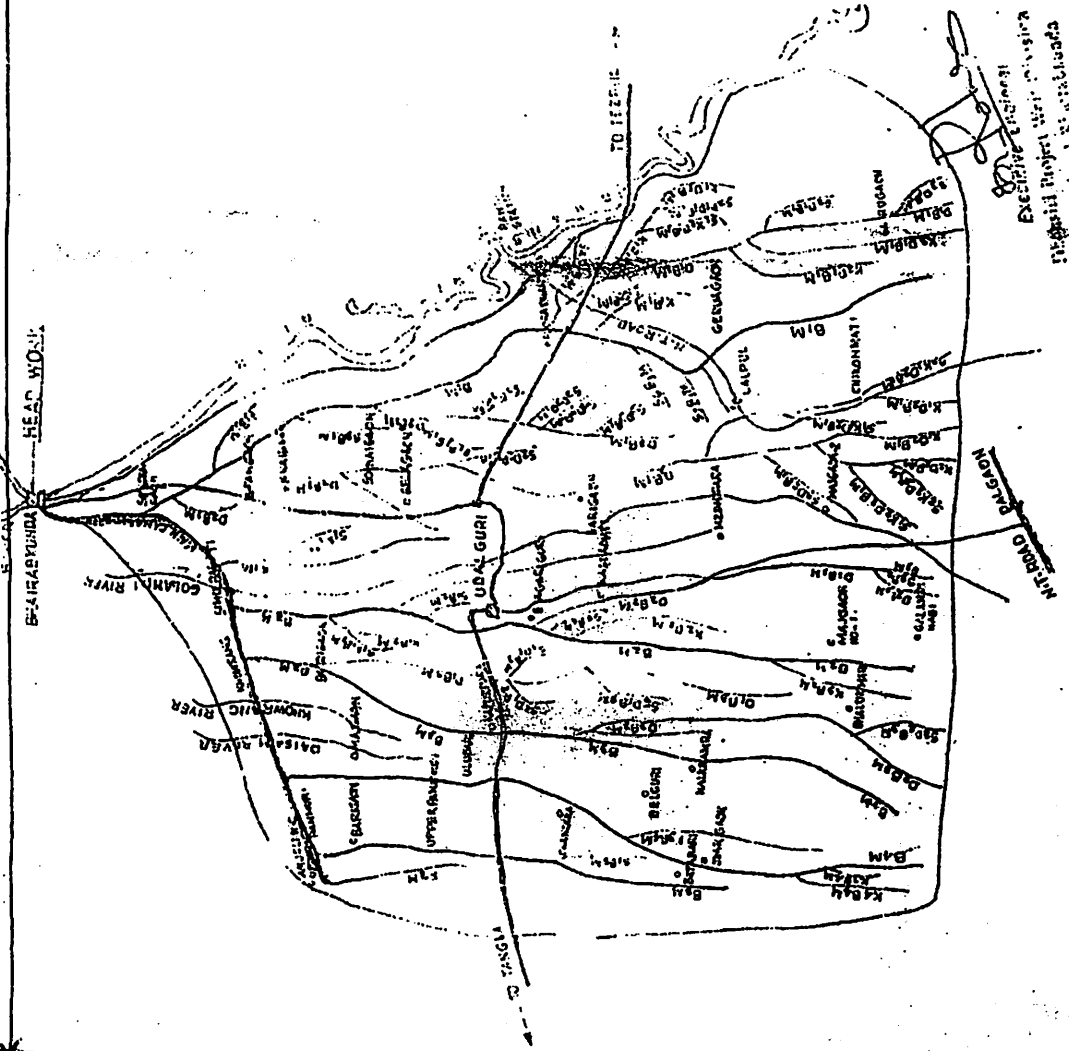


**LEGEND:**

- 1. MAIN CANAL: (represented by a thick solid line)
- 2. BRANCH CANAL: (represented by a thin solid line)
- 3. DIS TRIBUTORIES: (represented by wavy lines)
- 4. COMMAND AREA: (represented by a dashed line)

GOVT. OF ASSAM  
 IRRIGATION DEPARTMENT  
 CHANDMARI, GUWAHATI-3.

**INDEX MAP**  
 DHANSIRI IRRIGATION PROJECT  
 (MAJOR), DARRANG, ASSAM.  
 DRG NO: DMA:HSRI /



Executive Engineer  
 Dhansiri Project, Darrang, Assam  
 (Irrigation) S. S. Saha

## Annexure 'C'

**STATUS REPORT ON DEVELOPMENT WORKS OF  
IRRIGATION DEPARTMENT  
UNDER SONITPUR DISTRICT, SONITPUR**

Sonitpur District having a total geographical area of 5324 Sq. Km. has a total cultivable area of 162560 Hector. Out of this, Irrigation Department has covered 35340 Hector of land under irrigation command. There are two divisions viz. Tezpur Division and Itakhola Division with one major irrigation scheme namely Bordikorai Irrigation Scheme under Itakhola Division and 50 numbers of completed and 34 numbers of ongoing minor irrigation schemes under Tezpur Division are there covering the entire district.

**STATUS REPORT ON BORDIKORAI IRRIGATION PROJECT :**

1. Bordikorai Irrigation Project (BIP) is the only major irrigation project in Sonitpur District. The main barrage was constructed across the river Bordikorai at Seijusa.

The river Bordikorai is a sub tributary of the mighty river Brahmaputra and tributary of the river Jiaboroli. It originates from the high picturesque mountains in the East Kameng District of Arunachal Pradesh. After traversing the hilly path of Arunachal Pradesh the river enters into the plain region of Sonitpur District of Assam near Seijusa which is about 70 KM from the district head quarter town of Tezpur. Subsequently flowing towards South-West direction, it falls in river Jiaboroli about 19 KM from Seijusa. The Engineers of the Irrigation Department conceived the idea of a good irrigation project by constructing a Head works across the river Bordikorai and subsequently their dream has come to a reality. Initially the reconnaissance and the survey of the project was carried out by the State Irrigation Department during 1972-1974. The original Project report was prepared and Administrative Approval was received for Rs.356.10 Lakh vide Govt. No.ECI-37/73/28 dated 25.02.75. The first revised estimate of Rs.1489.87 Lakh vide Govt. No. IGN(P)87/73/pt 1/5 dtd. 12.1.83 was accorded and investment clearance of Rs.2212.40 Lakhs was accorded Vide No.PC/2(216)/89-1 and CAD dtd. 17.12.92 in Dec/1992. The regulator at the left side of

the barrage is designed to tap 36 cumecs of water to irrigate a Net Command Area of 169941 Hecter with Annual Irrigation Area of 34000 Hecter with Irrigation Intensity of 200% and covering 133 villages on the left bank of the river Bordikorai between Latitude 26°-53 ' to 26°-40 ' and Longitude 92°-52 ' to 90°-38 ' laying in Tezpur Civil Sub-Division of Sonitpur District.

## 2. SALIENT FEATURE OF THE PROJECT :

Name of the project :	Bordikorai Irrigation Project
District :	Sonitpur
Latitude :	26°-53 ' to 26°-40 '
Longitude :	92°-52 ' to 90°-38 '

## HYDROLOGY :

i. Catchments area of the river at barrage site	596 Sq. KM
ii. Av. Rainfall	177.80 Cm/Y
iii. 15% available discharge	27.60 Cumec
iv. Max. requirement of water for irrigation	15.29 Cumec
v. Design flood of the barrage 1 in 50 years	2265 Cumec
vi. Design discharge of the head regulator	36.00 Cumec

## BARRAGE :

i. Overall length	260.50m
ii. Number of bays in scour sluices	4 bays of 6m each
iii. Number of bays in river sluices	8 bays of 6m each
iv. Number and size of gates	12 nos (2.5m x 6.00m)
v. Number of bays in spillways	13 bays of 12.54 m each

## CANAL SYSTEM :

i. Length of main Canal	8459 m
ii. total length of Branch Canal	165.477 Km

## 3. STATUS OF THE PROJECT BEFORE THE FLOOD ON 05.07.2004 :

Before the devastating flood on 05.07.04 the project was almost completed with a physical progress of nearly 98%. Till that point, the remaining balance work of the project were :

- (a) Protection of the barrage floor
- (b) Lining in some reaches of branch canals and

- (c) Renovation of some of the canal structure, such as cross-drainage works, culverts, CC fall and improvement of CC lining of the main canal.

The project was supplying irrigation water to the field since 1987 in both Kharif and Pre-kharif seasons.

#### CREATION OF IRRIGATION POTENTIAL :

- i. The ultimate irrigation potential of the project : 34000Ha  
 ii. The total potential created up to Mar/1997. (before AIBP) : 25452Ha  
 iii. Potential created under AIBP during 1997-98, 1998-99,  
 1999-2000, 2000-01, 2001-02, 2002-03 and 2003-04 : 7203Ha

(a) Potential for overall project : 25452Ha

(b) Potential from AIBP components : 7203Ha

Total 32655Ha

#### 4. PROGRESS

Physical And Financial Progress (Upto March/04) under AIBP :

The Status of various component of works of the project ending 31st March/04 is indicated as follows :

Sl. No.	Component	% of completion
1.	Barrage	100
2.	Guide Bund	100
3.	Silt Ejector	99
4.	Main Canal and Structure	99.5
5.	Branch Canal	99.5
6.	Escape Channel	2%

Against third revised estimated cost of Rs.6000.00 Lakhs (Approx), the total expenditure up to March/04 was Rs.4988.944 Lakh and Liabilities pending is Rs.240.00 Lakhs.

#### 5. THE FLOOD ON 05.07.2004

The incessant rain during the last week of June/04 created havoc at Seijusa. The situation was more aggravated when all of a sudden the artificially created reservoir in the upper catchments of the river bursted causing an

unprecedented flood of river Bordikorai on the 5th July, 2004. The formation of the artificial reservoir formed in the feeder river Lanka was due to obstruction of heavy land sliding of the hills due to incessant rain. The surging water started rushing downstream in high velocity and waves hit the structure at about 12-30 PM and touched the High Flood Level of 130.00M at 1-30 PM which was well above the designed HFL of 126.90 M for the structure. The flood water carried huge quantity of logs of gigantic size, uprooted trees, debris and boulders started hitting and blocking all the opened waterways of the Head works and its appurtenant works. As the whole barrage was engulfed and jammed with big logs, debris etc., a tremendous thrust of flood waves was built on the upstream of Head works and consequently many component like Guide bund, Flared out wall, Head Regulators are eroded and washed away. The flood situation created havoc when both Guide Bund are washed away and the river started flowing into two courses around the Head works. The left course of the river entered the main canal with heavy silt, logs and debris and damaged major portion of the canal structure, canal embankment and lining. The right course of the river damaged the right abutment of the spillway portion and eroded the bank completely upto a distance of 100m.

## **6. PROPOSAL FOR RECONSTRUCTION PLAN 2004-2007 UNDER ONE TIME CENTRAL ASSISTANCE :**

### Work Component under One Time Central Assistance

a. Head works & its component	Rs. 2874.87 Lakh
b. De siltation, clearing logs, uprooted trees and debris etc.	Rs. 91.98 Lakh
c. Building, Roads and Compound walls	Rs. 214.07 Lakh
d. Re equipments of canal system	Rs. 1114.63 Lakh
e. Re equipments of canal structure	Rs. 350.30 Lakh
f. Restoration of canal regulator, gates etc.	Rs. 76.64 Lakh
	<hr/>
	Total Rs. 4722.49 Lakh



**CONCLUSION :**

On completion of the reconstruction of the scheme, supply of the irrigation water to the needy cultivators will be restored covering 5 Nos. of Mouza and 133 Nos. of villages under Naduar Block which have been using irrigation water from the scheme since inception. For survival of the cultivator and also to boost the economy of the State as a whole, the completion of the scheme is most essential as the Bordikorai Irrigation Scheme is one of the fully functional scheme of the State. supply regular water, both in Kharif and Pre--Kharif season. The programme for Rabi and Pre-Kharif is proposed for 4000Ha during the year 2006-07.

**STATUS REPORT ON DEVELOPMENT WORKS OF MINOR IRRIGATION SCHEMES UNDER TEZPUR DIVISION, IRRIGATION, TEZPUR, SONITPUR**

Tezpur Division, irrigation comprises of two sub-division namely Tezpur Sub-Division. (Irrigation). Tezpur and Chariali Sub-Division. (Irrigation). Biswanath Chariali. There are 50 nos completed irrigation scheme out of which 23 Nos. of schemes are defunct and rest 27 Nos. of schemes are partially functioning. The total potential created under these completed schemes is 30459Ha (Kharif-27278Ha and Rabi-2681Ha)

Apart from these completed schemes, there are 34 Nos. of ongoing schemes where works are yet to be completed. For want of regular fund, these schemes are incomplete stage. Water can be supplied only after completion of works.

During the prevailing draught like situation, with a very limited resource of fund, the department in the district is supplying irrigation water to 3810Ha of paddy through 28 Nos. of partially functioning schemes. Most of the surface sources have been either dried up or there is not sufficient water to run the scheme and most of the schemes require major repairing. Moreover, for Rabi programme, this division has already submitted schematic programme along with necessary fund requirement for both completed scheme which requires repairing and for some ongoing schemes where water can be supplied to the field with least requirement of fund.



Under NLCPR, 7 nos. of schemes were taken up and 6 nos. of schemes are already been completed and presently supplying water. Though necessary payment for energisation was made in the year 2003 to ASEB for all three points, connection for HT line has been done only to one point of New Tarajan DTWs. Hence, only one point of the scheme is under operation.

Ceiling amounting to Rs. 5.5 Lakhs was received during September, 2006 under the head of 2702 against "DRAUGHT" for Civil and Mechanical works against 10 numbers of schemes. An additional area of 560 Hecter of potential was achieved during the last draught period. Again an amount of Rs. 21.95 Lakhs was received for repairing and maintenance of schemes under the head of 2702 for Pre-kharif season for 5 numbers of schemes for an expected regaining potential of 258 hecter during Pre-kharif season.

#### STATUS OF COMPLETED SCHEMES UNDER TEZPUR DIVISION, IRRIG. TEZPUR UNDER SONITPUR DISTRICT, ASSAM.

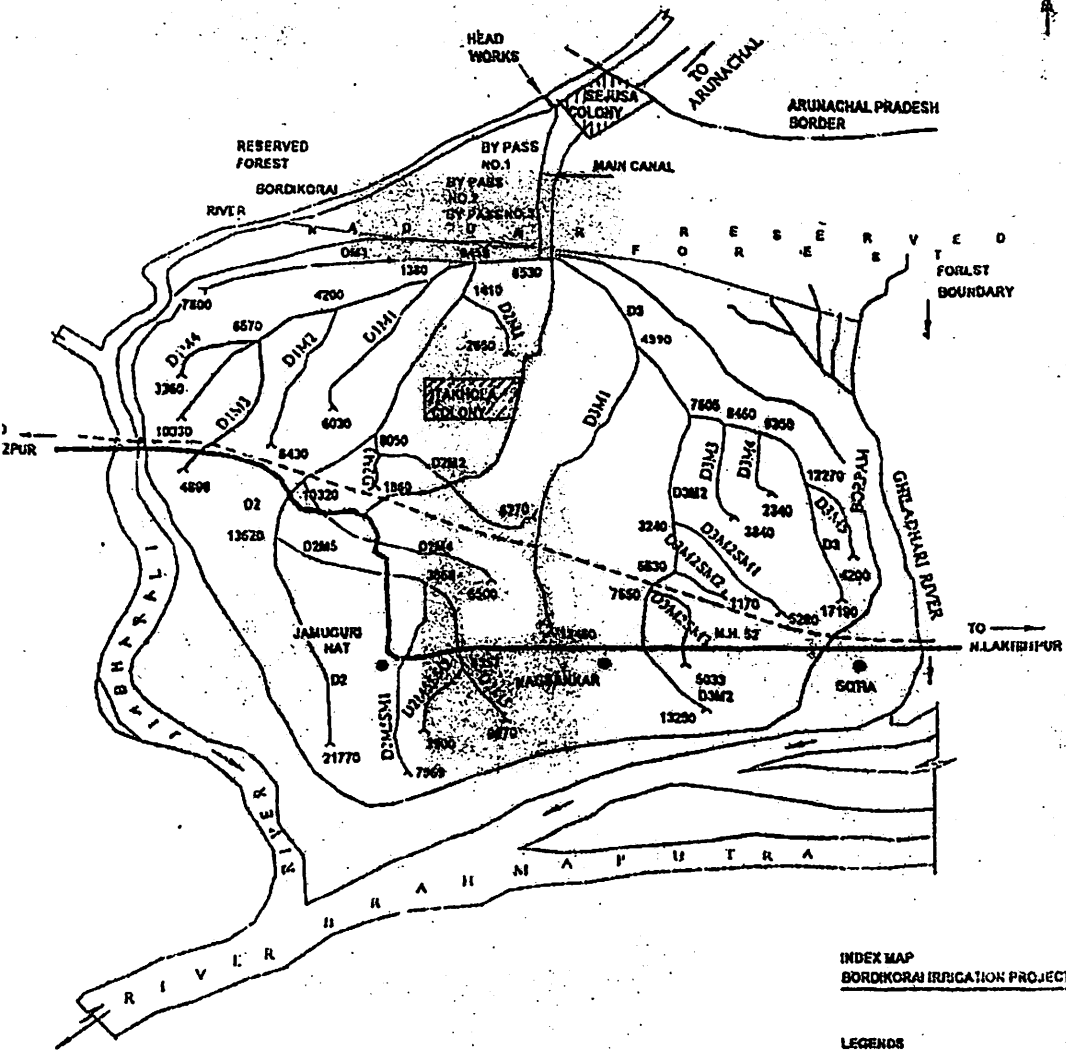
Sl. No.	Name of Scheme	Estimated Command Area (Area in Hecter)			Area where water has been supplying (in Hecter)	Remarks
		Kharif	Rabi	Total		
1	PANCHNOI LIS	1215	60	1275	Defunct	In Rabi Period/ Pre kharif Water can be supplied only by those schemes where there are provisions for Rabi season.
2	GABHARU LIS	1215	60	1275	Defunct	
3	DEPOTA LIS	180	110	290	Defunct	
4	DOLABARI LIS	96	75	171	Defunct	
5	SINGRITOLI LIS	300	200	500	Abandoned	
6	MORABHOROLI LIS	120	85	205	50	
7	PANCHNOI FIS	548	-	548	12	
8	BORSOLA FIS	1200	-	1200	15	
9	DHERAI FIS	700	60	1260	100	
10	BENGENAJULI FIS	800	30	830	450	
11	DIGHALJULI FIS	1000	-	1000	200	
12	PANBARI FIS	1004	-	1004	600	
13	KOLONY FIS	1800	-	1800	50	
14	JORASOR FIS	607	-	607	Defunct	
15	SIALMARI DTWS	34	15	49	Defunct	
16	BHERGAON DTWS	34	15	49	Defunct	
17	SOLALBHETI DTWS	280	168	448	Defunct	
18	SOOTEA LIS	405	25	430	Defunct	
19	Ghiladhari LIS	600	60	660	Defunct	
20	MORNOI FIS	1215	-	1215	100	
21	DHANDIBIL LIS	200	120	320	Defunct	
22	PANIBHORAI LIS	337	175	512	Defunct	

Sl. No.	Name of Scheme	Estimated Command Area (Area in Hecter)			Area where water has been supplying (in Hecter)	Remarks
		Kharif	Rabi	Total		
23	LOHITMUKHAREA SPRINKLAR	120	-	120	Defunct	
24	MOUJULI FIS	1823	400	2223	600	
25	SAKOMATHA FIS	1300	-	1300	200	
26	DIRING FIS	1300	-	1300	250	
27	SADHARU FIS	1000	-	1000	100	
28	MIKIR BLOCK FIS	810	-	810	100	
29	BURIGAON FIS	1600	-	1600	500	
30	GELAPUKHURI FIS	1100	-	1100	Defunct	
31	PABHOI FIS	700	-	700	100	
32	JINJIA FIS	500	-	500	100	
33	BEHALI FIS	883	-	883	Defunct	
34	JAPORIGURI STWS	64	16	80	4	
35	KATHONIBARI STWS	64	16	80	5	
36	BATIAMARI STWS	200	90	290	10	
37	SIALMARI STWS	64	16	80	Defunct	
38	RANGALIAL STWS	200	120	320	Defunct	
39	THALIPUKHURI STWS	64	16	80	5	
40	BRAHMAJAN STWS	64	16	80	2	
41	KOKILA STWS	60	36	96	2	
42	BUROI HELEMDTWS	72	43	115	Defunct	
43	NAKONIA DTWS	300	130	430	Defunct	
44	BAHBARI DTWS	660	260	920	Defunct	
45	CHATAICHAPORILIS	120	72	192	80	
46	DEKARGAON DTWS	80	48	128	35	
47	BINDUKURI DTWS	80	48	128	50	
48	PETULIBARI DTWS	80	48	128	50	
49	AREAMOLA DTWS	40	24	64	20	
50	ULUBARI NAHARBARI DTWS	40	24	64	20	
	TOTAL	27278	2681	30459	3810	

**CONCLUSION :**

All the schemes are very old and becoming sick day by day as regular maintenance work could not be taken up since years due to severe paucity of fund. All Head-Works, Lifting Points and Canal system require repairing to create good potential of the scheme. Moreover, the proposed scheme for Rabi Season can be put under operation only after necessary enersisation by ASEB authority in time. However, this division has already applied for load sanction for the scheme taken for Rabi programme. The programme for Rabi and Pre-Kharif is proposed for 561 Hect. against 21 nos. of schemes during the year 2006-07.

Superintending Engineer.  
Tezpur Circle. Irrigation, Tezpur.



**INDEX MAP  
BORDIKRAJ IRRIGATION PROJECT**

**LEGENDS**

- 1. CANAL
  - 2. RIVER
  - 3. PUCCA ROAD
  - 4. HIGH WAY (M.H. 57)
  - 5. RAIL WAY LINE
  - 6. COMMAND AREA
  - 7. STATE BORDER LINE
- LATITUDE 20°53'N TO 26°40'N  
LONGITUDE 92°52'E TO 93°54'E

Amayam - D

1

C

Assam Schedule III (Section II), Form No.

Division Cash Book of

RECEIPT SIDE

Date of receipt	No. of Voucher or receipt in Form 3	From whom received & c.	Amount (Cash)	Classification
			Rs. P.	
02-07	1	Recd. from Sri Prasad Anand per Contra vs. Ch. hi. - 21/ AGST 3254 00	2068 00	
do	2	Recd. from Andhra as per Contra vs. Ch. hi. - 21/ AGST 3254 00	2068 00	
do	3	Recd. from Sri Jitendra Kakoti as per Contra vs. Ch. hi. - 22/ G.T. 121 00	6055 00	
do	4	Recd. from Andhra as per Contra vs. Ch. hi. - 22/ AGST 3254 00	2068 00	
do	5	Recd. from Sri Jitendra Banshya as per Contra vs. Ch. hi. - 22/ AGST 3254 00	2068 00	
do	6	Recd. from Andhra as per Contra vs. Ch. hi. - AGST 5280 00	6600 00	
do	7	Recd. from Andhra as per Contra vs. Ch. hi. - G.T. 1188 00	1703 00	
do	8	Recd. from Sri Lakshmidhar as per Contra vs. Ch. hi. - G.T. 1082 00	5441 00	
do	9	Recd. from Andhra as per Contra vs. Ch. hi. - G.T. 2064 00	10319 00	
do	10	Recd. from Sukrami Hussain Contra vs. Ch. hi. - G.T. 880 00	440 00	
do	11	Recd. from Andhra as per Contra vs. Ch. hi. - AGST 352 00	35 00	
do	12	Recd. from Sri Anil Das as per Contra vs. Ch. hi. - G.T. 458 00	129 00	
do	13	Recd. from Andhra as per Contra vs. Ch. hi. - 22/ G.T. 3163 00	3960 00	

for the month of February 1961  
**PAYMENT SIDE**

Date of payment	Number of Voucher	To whom paid &c.	Cash	Number of cheques made	Amount	Amount		Classified
						Rs.	P.	
6/2/61	1	Paid to Son Pasanta gas vide Bill no.						
		Ch. to Researcher AM 3291100	206	098600	42945	00		
do	2	Paid to ndom vide Bill no.			7363			
		Ch to: ndom Rs. 1,0082.00	968	068360	42943	00		
		42943.00			7363			
do	3	Paid to Son Situonoo Kakoti vide Bill no.						
		Ch to Silt at Di. 489940	605	00				
do	4	Paid to ndom vide Bill no.			068360	77474	00	
		Ch to: ndom Rs. 28,4800	3520	00	7363			
do	5	Paid to Son Situonoo vide Bill no.						
		Ch to P.P. at Di. 59,400.00	16600	00				
do	6	Paid to ndom vide Bill no.						
		Ch to Silt at Di.						
		Ch to: ndom Rs. 48060.00	5940	00	068360	119105	00	
		119105.00			7363			
do	8	Paid to Son Situonoo Borah vide Bill no.						
		Ch to Silt at Di. Rs. 44,024	546	00				
do	9	Paid to ndom vide Borah vide Bill no.						
		Ch to Silt at Di. Rs. 83,485	10319	00	068360	122509	00	
		127509			7363			
do	10	Paid to Skoron Olucaim vide Bill no.						
		Ch to Silt at Di. Rs. 2560	410	00				
do	11	Paid to ndom vide Bill no.						
		Ch to Silt at Di. Rs. 3248	3530	00	068360	7208	00	
		7208			7363			
do	12	Paid to Son Situonoo vide Bill no.						
		Ch to Silt at Di. Rs. 10,440	129	00				
do	13	Paid to ndom vide Bill no.						
		Ch to Silt at Di. Rs. 32040	3960	00	068360	124874	00	
		424874			7363			

Assam Schedule III (Section - II), Form No.

Division Cash Book for

RECEIPT SIDE

Date of receipt	No. of Voucher or receipt in Form 3	From whom received	Amount (Cash)	Class
6-2-07	14	Reed. from So. Jyoti Bank as per contra Mr. Chh. S/T	AGST 15456.00 6820.00	
do	15	Reed. from mdo mas per Mr. Ch. to. S/T	AGST 4400.00 5500.00	
do	16	Reed. from mdo mas per Mr. Ch. to. S/T	AGST 3425.00 4294.00	
do	17	Reed. from mdo mas per Mr. Ch. to. S/T	AGST 1906.00 FR 1625.00 2755.00	2755.00
do	18	Reed. from mdo mas per Mr. Ch. to. S/T	AGST 66.00 264.00 330.00	330.00
do	19	Reed. from mdo mas per Mr. Ch. to. S/T	AGST 484.00 6050.00	6050.00
do	20	Reed. from mdo mas per contra Mr. Ch. to. S/T	AGST 197.00 2220.00	2220.00
do	21	Reed. from mdo mas per contra Mr. Ch. to. S/T	AGST 908.00 3639.00	4547.00
do	22	Reed. from So. Jyoti Bank per contra Mr. S/T	AGST 157.00 200.00 358.00	358.00
do	23	Reed. from mdo mas per contra Mr. Ch. to. S/T	FR 1322.00 2730.00 4052.00	4052.00
do	24	Reed. from mdo mas per Mr. S/T	AGST 2200.00	2200.00
do	25	Reed. from mdo mas per Mr. Ch. to. S/T	AGST 356.00 1693.00	1693.00

for the month of

PAYMENT SIDE

Date of payment	Number of Voucher	To whom paid &c.	Payment		Amount	Classification of Char
			Cash			
			Rs.	P.		
6.200	14	Paid to Sri Jayanta Samah vide Bill no Boachat AM 2 55180.00	6820.00			
do	15	Paid to ndon vide Bill no Ch to: - Silt at AM 44,502.00	5508.00			
do	16	Paid to ndon vide Bill no Ch to: - S.P.C.D at AM 24,744.00	4294.00			
do	17	Paid to ndon vide Bill no Ch to: - S.P.C.D at AM 75,445.00	23,555.00			
do	18	Paid to ndon vide Bill no Ch to: - S.P.C.D at AM 26,700.00	3,300.00			
do	19	Paid to ndon vide Bill no Ch to: - Silt at AM 49,050.00	6,050.00			
do	20	Paid to ndon vide Bill no Ch to: - S.P.C.D at AM 20,220.00	2,220.00			
do	21	Paid to ndon vide Bill no Ch to: - Silt at AM 22,500.00	2,650.00	282,612	281,971.00	
do	22	Paid to Sri Rajen Sakia vide Bill no Ch to: - S.P.C.D at AM 26,808.00	2,515.00			
do	23	Paid to ndon vide Bill no Ch to: - S.P.C.D at AM 23,688.00	1,115.00			
do	24	Paid to Sri Rajen Sakia vide Bill no Ch to: - Silt at AM 17,800.00	2,200.00			
do	25	Paid to ndon vide Bill no Ch to: - Silt at AM 13,698.00	1,698.00			



Division Cash Book of  
RECEIPT SIDE

Date of receipt	No. of Voucher or receipt in Form 3	From whom received & c	Amount (Cash)		Classification
			Rs.	P.	
2-03	28	Recd. from <u>San Rajen Bank</u> per Contor No. Ch. to: G.T. AGST: 15705.00 19638.00	19638.00		
do	27	Recd. from <u>ndom</u> as per Contor No. Ch. to: G.T. AGST: 7666.00 9570.00	9570.00		
do	28	Recd. from <u>ndom</u> as per Contor AGST: 7233.00 9041.00 10834.00	9041.00		
do	29	Recd. from <u>San Rajen Bank</u> as per Contor No. Ch. to: G.T. AGST: 5088.00 62.00.00	62.00.00		
do	30	Recd. from <u>ndom</u> as per Contor No. Ch. to: G.T. AGST: 6900.00 2462.00 3452.00	3452.00		
do	31	Recd. from <u>So Dipendri Sarma</u> as per Contor No. Ch. to: G.T. AGST: 4467.00 F.R.: 14,704.00 20,288.00	20,288.00		
do	32	Recd. from <u>ndom</u> as per Contor No. Ch. to: G.T. AGST: 26.00	26.00		
do	33	Recd. from <u>AGST ndom</u> as per Contor No. Ch. to: G.T. AGST: 1934.00 3897.00 981.00	981.00		
do	34	Recd. from <u>ndom</u> as per Contor No. Ch. to: G.T. AGST: 1474.00 5896.00 7370.00	7370.00		
do	35	Recd. from <u>ndom</u> as per Contor No. Ch. to: G.T. AGST: 2200.00 S.D.: 350.00 F.R.: 7830.00 9857.00 28467.00	9857.00		
do	36	Recd. from <u>ndom</u> as per Contor No. Ch. to: G.T. AGST: 2260.00 3065.00	3065.00		
do	37	Recd. from <u>San Jai Lalita</u> as per Contor No. Ch. to: G.T. AGST: 1454.00 19174.00	19174.00		

for the month of BALMINT 5/11

Date of payment	Number of Voucher	To whom paid &c.	Amount	Amount		Class
				Rs.	P.	
		14196800				
22	26	Paid to Sri Rajeev Kalita vide Bill no.				
		Ch to: Silt at DM 58845	96000			
do	27	Paid to vendor vide Bill no.				
		Ch to: Silt at DM 78130	95000			
do	28	Paid to vendor vide Bill no.				
		Ch to: Silt at DM 73155	90100	88264	3514000	
		3514021		7670		
do	29	Paid to Sri Rajeev Kalita vide Bill no.				
		Ch to: Silt at DM 51468	62000			
do	30	Paid to vendor vide Bill no.				
		Ch to: Silt at DM 22936	24500	22965	7939900	
		7939900		7360		
do	31	Paid to Sri Dipankar Sarma vide Bill no.				
		Ch to: Silt at DM 30465	20000			
do	32	Paid to vendor vide Bill no.				
		Ch to: Silt at DM 25300	17000			
do	33	Paid to vendor vide Bill no.				
		Ch to: Silt at DM 79871	78000			
do	34	Paid to vendor vide Bill no.				
		Ch to: Silt at DM 59630	75000			
do	35	Paid to vendor vide Bill no.				
		Ch to: Silt at DM 71510	22000			
do	36	Paid to vendor vide Bill no.				
		Ch to: Silt at DM 72589	21350	22266	31680700	
		21680700		7603		
do	37	Paid to Sri Jagan Kalita vide Bill no.				
		Ch to: Silt at DM 14705	18100			

Division Cash Book of  
RECEIPT SIDE

Date of receipt	No. of Voucher or receipt in Form 3	From whom received &c	Amount (Cash)		Classification
			Rs.	P.	
21/10/57	38	Recd from Sri Sarun Kalita as per Contract No. 1.T. AGST.	294.00 1175.00		
do	39	Recd from Motom as per contract No. Chdri. 9.T. AGST.	1469.00 594.00		1469.00
do	40	Recd from S.M/S Neebui as per contract No. 9.T. AGST.	2970.00 1199.00		2970.00
do	41	Recd from ... as per contract No. Chdri. 9.T. AGST.	3518.00 1482.00		18590.00
do	42	Recd from Sri Pradip Bhattacha as per contract No. Chdri. 9.T. AGST.	594.00 1144.00		1738.00
do	43	Recd from Sri Surjya Boudika as per contract No. Chdri. 9.T. AGST.	1338.00 795.00		3977.00
do	44	Recd from Sri Bhak Deka as per contract No. Chdri. 9.T. AGST. F.R.	3977.00 1158.00 4632.00 11750.00		17540.00
do	45	Recd from Sri Badut Baruah as per contract No. Chdri. 9.T. AGST.	12540.00 11510.00 4604.00		5455.00
do	46	Recd from Sri Storen Borah as per contract No. Chdri. 9.T. AGST. F.R.	5455.00 2817.00 11261.00 11688.00		25711.00 25461.00
do	47	Recd from Ashraf Al-Amin as per Contract No. 9.T. AGST.	2571.00 784.00 1408.00		21920.00
do	48	Recd from ... as per contract No. Chdri. 9.T. AGST. F.R.	2192.00 2039.00 8158.00 16225.00		26422.00
do	49	Recd from S.M/S L.M.L. as per contract No. Chdri. 9.T. AGST.	26422.00 946.00 2738.00		

for the month of

PAYMENT SIDE

Date of payment	Number of Voucher	To whom paid &c.	Cash		Number of Cheque with No. of Cheque Book	Amount		Classification of Charges
			Rs	P.		Rs	P.	
		OF 147051.00						
207	38	Paid to Sri Sasum Kalita vide Bill no. Chrt. - Silt at DM, 11,880/-	1469	00				
do	39	Paid to do vide Bill no. Chrt. - Silt at D1, 24,030/-	2970	00	038267	18		
do	40	Paid to Sri/S Nerbill, 82,961/- Sate's p.m. vide Bill no 190 Ch. S-2-07. Ch. - S/c at D1 Canal 50,898/-	3597	00	7673			
do	42	Paid to Sri Pondip Bhatta vide Bill no. Chrt. - S/c at D1 150,410/- 20130 SF	12590	00	0388618	20	005	
do	43	Paid to Sri Surjya Deka vide Bill no. Chrt. - S/c at D1	1738	00	038269	11	062	
do	44	Paid to Sri Bibek Deka vide Bill no. Chrt. - S/c at D.M1	3977	00	038269	32	182	
do	45	Paid to Sri Dadul Basu vide Bill no. Chrt. - S/c at D.M2	17540	00	038269	35	093	
do	46	Paid to Sri Dooen Bora vide Bill no. Chrt. - S/c at D.M2	5755	00	038269	16	572	
do	47	Paid to Ashraf Ali Ansari vide Bill no. Chrt. - S/c at D1 13,844/-	2192	00	7673			
do	48	Paid to do vide Bill no. Chrt. - S/c at D.M1, 66,278/-	26422	00	038269	80	122	
do	49	Paid to Sri/S LML Enterprise vide Bill no. Chrt. - S/c at D1 38,316/-	4235	00	7673			

36  
207/07 L.A

Date of receipt	No. of Voucher or receipt in Form 3	From whom received & c	Amount (Cash)	Classification
1	2		Rs.	P.
6.2.07	50	Reed. from M/SLML Enterprises as per contract Vr ch to: ST - 12850.00 AGST 14850.00 14850.00	14850.00	
do	51	Reed. from Sri Bhakari Kalita as per contract Vr ch to: ST 988.00 AGST 4940.00	4940.00	
do	52	Reed. from n/don as per contract Vr ch to: ST - AGST 125.00		
do	53	Reed. from Sri Rajkumar Gupta as per contract Vr ch to: ST 1210.00 AGST 4840.00 6050.00	6050.00	
do	54	Reed. from Sri Anwar Zaman as per contract Vr ch to: ST 689.00 AGST 2574.00 3263.00	3263.00	
do	55	Reed. from n/don as per contract Vr ch to: ST AGST	176.00	
do	56	Reed. from Parvag Anand as per contract Vr ch to: ST 1320.00 AGST 5280.00 6600.00	6600.00	
do	57	Reed. from Sri Sujit Borah as per contract Vr ch to: ST 568.00 AGST 2265.00 2833.00	2833.00	
do	58	Reed. from n/don as per contract Vr ch to: ST 1914.00 AGST 7656.00 9570.00	9570.00	
do	59	Reed. from Sri Kulendron Kalita as per contract Vr ch to: ST AGST	670.00	
do	60	Reed. from n/don as per contract Vr ch to: ST 1424.00 AGST 5896.00 7320.00	7320.00	
do	61	Reed. from n/don as per contract Vr ch to: ST AGST 8564.00 10705.00		
do	62	Reed. from n/don as per contract Vr ch to: AGST		
do	63	Reed. from n/don as per contract Vr ch to: AGST		

PAYMENT SIDE

Sl. No.	Number of Voucher	To whom paid &c.	Cash		Number of Cheque with No. of Cheque Book 10	Amount		Classification of Charges
			Rs.	P.		Rs.	P.	
	7	J.B.F.	38316	00				
6207	50	Paid to Smt. M.L. Sartharpoise vide Bill no. 120,150 00 Chk. - S/c at B1 125,000 00 158466 83 60	120,150	00	0282625	158466	00	
do	51	Paid to Sri. Pratibha Sarkia vide Bill no. Chk. - S/c at B1 39761 00	39,761	00	7673			
do	52	Paid to ndon vide Bill no. Chk. - S/c at B1 18152 00	18,152	00	0282625	57913	00	
do	53	Paid to Sri. Jaykumar Gupta vide Bill no. Chk. - S/c at B1 6050 00	6,050	00	0282625	489	00	
do	54	Paid to Sri. Anwar Zaman vide Bill no. Chk. - S/c at B1 27,049 00	27,049	00	7673			
do	55	Paid to ndon vide Bill no. Chk. - Branch at SIM 18240 00	18,240	00	0282625	28,565	00	
do	56	Paid to Sri. Parvez Anwar vide Bill no. Chk. - S/c at B1 6,600 00	6,600	00	0282625	534	00	
do	57	Paid to Sri. Anwar Zaman vide Bill no. Chk. - S/c at B1 22,908 00	22,908	00	7673			
do	58	Paid to ndon vide Bill no. Chk. - S/c at B1 77,430 00	77,430	00	0282625	1002	00	
do	59	Paid to Sri. Kuleendra Kalita vide Bill no. Chk. - S/c at B1 7149 00	7,149	00	7673			
do	60	Paid to ndon vide Bill no. Chk. - S/c at B1 59,630 00	59,630	00	7673			
do	61	Paid to ndon vide Bill no. Chk. - S/c at B1 59,730 00	59,730	00	7673			
do	62	Paid to ndon vide Bill no. Chk. - Branch at SIM 6729 00	6,729	00	7673			
do	63	Paid to ndon vide Bill no. Chk. - S/c at B1 4560 00	4,560	00	0282625	164	00	



Assam Schedule XXXIX (II) F. No. 12 No. 91

Book No. 7660

Cheque No. 0382964

Date: 08 FEB 2007 Division

On the Treasury

Pay to: S. M. Inal K. Khosla / Sr. P. ...

Rupees: 1,33,500

on account of 2,67,00

Two Sixty Seven

Thousand

Signature

AGP XXXIX (II) F. 12 No. 91

Accounts Officer

Itakhola Division (Irrig) Tezpur Itakhola

Assam Schedule XX

Book No. 766

Cheque No. 0382965

Date: 08 FEB 2007

On the Treasury

Pay to: J. ...

Rupees: 1,33,500

on account of ...

Two Sixty Seven

Thousand

Signature

AGP XXXIX (II) F. 12 No. 91

Accounts Officer

Itakhola Division (Irrig) Tezpur Itakhola



Assam Schedule XXXIX (II) F. No. 12

Book No. 7660

Cheque No 0382961

08 FEB 2007 Division

Date

On the 30th March 2007 Phagant Treasury

Pay to Mr. Dr. D. C. S. Datta

Rupees 35,600/- ~~20,000/-~~  
on account of 30,1,630/-

Signature

AGP XXXIX(II) F. 12 No. 91/99-2000

Accounts Officer

Executive Engineer

Itakhoia Division (Irrig) Tezpur Itakhoia Division (Irrig) Tezpur.

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Assam Schedule XXXIX (II) F. No. 12

Book No. 7658

Cheque No 0382899

08 FEB 2007 Division

Date

On the ..... Treasury

Pay to Nashir Ali Nashir Ali

Rupees 9,120/- ~~20,000/-~~  
on account of 9,120/-

Signature

AGP XXXIX(II) F. 12 No. 91/99-2000

Accounts Officer

Executive Engineer

Itakhoia Division (Irrig) Tezpur Itakhoia Division (Irrig) Tezpur.

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Assam Schedule XXXIX (II) F. No. 12

Book No.

7660

Cheque No. 0382971

08 FEB 2007 Division

Date

On the *Phola Bazar* Treasury

Pay to *Shri. Goura Sankar*  
*varun kalita.*

Rupees *1,08,000/-*

on account of

AGP XXXIX (II) F. 12 No. 01/99-2000

*[Signature]*  
Accounts Officer

*[Signature]*  
Executive Engineer

Phola Division (Irrig) Terpur Phola Division (Irrig) Terpur.

Assam Schedule XXXIX (II) F. No. 12

Book No.

7658

Cheque No. 0382877

08 FEB 2007 Division

Date

On the *Phola Bazar* Treasury

Pay to *Shri. Nilamoni Borah*

Rupees ~~62,300/-~~ ~~10,12,000.00~~

on account of *10,12,000.00*

Signature

AGP XXXIX (II) F. 12 No. 01/99-2000

*[Signature]*  
Accounts Officer

*[Signature]*  
Executive Engineer

Phola Division (Irrig) Terpur Phola Division (Irrig) Terpur.





Assam Schedule XXXIX (H) F. No. 12  
 Book No. 7660  
 (Cheque) No. 0382965  
 Date: 04 FEB 2007 Division  
 On the Treasury  
 Pay to: Sri Babaji Bhanjan  
 Rupees: ~~20,000/-~~ 20,00,000/-  
 on account of 7,12,000/- (Seven  
lacs twelve thousand)  
ten lacs only 7,12,000/-  
 Signature: [Signature]  
 (Rupees only)  
 Accounts Officer      Executive Engineer  
 Itakhola Division (Irra) Tezpur      Itakhola Division (Irra) Tezpur.

Assam Schedule XXXIX (H) F. No. 12  
 Book No. 7680  
 Cheque No. 0383964  
 Division  
 Date: 08 FEB 2007  
 On the Treasury  
 Pay to: Bhupen Goswami  
 Rupees: ~~80,100.00~~ 3,02,000.00  
 on account of  
 Signature  
 Accounts Officer      Executive Engineer  
 Itakhola Division (Irra) Tezpur      Itakhola Division (Irra) Tezpur.

Assam Schedule XXXIX (II) F. No. 12

Book No.

7680

Cheque No. 0383966

Division

Date 08 FEB 2007

On the Treasury

Pay to Saiful Islam

Rupees

on account of 34,882.00 12000.00

Signature

AGP XXXIX (II) F. 12 No. 91/99-2007

Accounts Officer  
Itakhola Division (Irrig) Tezpur

Executive Engineer  
Itakhola Division (Irrig) Tezpur

Assam Schedule XXXIX (II) F. No. 12

Book No.

7660

Cheque No. 0382963

Date 08 FEB 2007 Division

On the Treasury

Pay to Saiful Islam

Rupees 77900/28

on account of eight-lacs

Signature

AGP XXXIX (II) F. 12 No. 91/99-2007

Accounts Officer  
Itakhola Division (Irrig) Tezpur

Executive Engineer  
Itakhola Division (Irrig) Tezpur

**Annexure 'F'****REPORT ON KALIABOR LIFT IRRIGATION SCHEME****Introduction**

The Kaliabor Lift Irrigation Scheme is a Medium Irrigation Scheme, located in the Kaliabor East Development Block and Kaliabor West Development Block in the District of Nagaon.

The Kollong is the spill channel of the river Brahmaputra takes off from the south bank in Kollongmukh between two hills, viz. Hatimura and Borghup of Nagaon District. It flows through Nagaon and Morigaon District covering 160 miles to join again in the Brahmaputra at Kajolimukh, 15 miles East of Guwahati.

The Kollong river used to draw a good amount of discharge from the Brahmaputra about for  $8\frac{1}{2}$  months except the lean season from January to middle of April. The Kollong was the source of drinking water for rural population apart from natural irrigation and pisciculture of the entire Kollong Basin. In a word, the Kollong was the lifeline of the population of its bank.

Since the upheaval due to 1950 earthquake the both bank of Brahmaputra was subject to continuous erosion. As a result the Kollong mouth started shifting down stream attracting the main course towards Kollong. Flood used to occur every year with great magnitude threatening the important place on its bank such as Jakhalabandha, Missa, Samaguri, Puranigudam, Nagaon Town, Raha, Bhakatgaon etc. causing immense trouble to the people and caused damage of crops in the entire basin.

To avoid damages and to solve the perpetual problem of flood, the mouth of Kollong was closed in the year 1963-64 with an earthen dyke. But this affected the socio-economic condition of people as observed latter on, due to closure of Kollong at the offtaking point the flow from Brahmaputra was stopped and the paddy field escaped through Kollong immediately. As a result cultivation, predominantly paddy and jute, used to suffer each year. On the other hand the sub-soil watertable of basin has gone far below the root zone, threatening the standing vegetation, problem also arose for drinking water for rural population.

The migration of fishes from Brahmaputra to the Kollong was entirely prevented. As a result, fishes become scarce.

As its consequence, the socio-economic condition of the people which constitute 90% agriculturist, had gone from bad to worse every year. The only answer to the above problem was a lift irrigation scheme from the river Brahmaputra.

The Kaliabor Lift Irrigation Scheme envisages pumping of water from the river Brahmaputra. Pumps are installed on floating barge at the head work site named Hatimura Hill and distribute the same to the Kaliabor circle by a network of canal system.

**Salient Features of K.L.I.S.** : Kaliabor Lift Irrigation Scheme was originally approved for Rs. 141 lakh in the year 1971 which was revised for Rs. 311 lakhs in the year 1975 due to escalation of price and re-revised for Rs. 767.5 lakhs in the year 1984. The major canalsystem of the scheme was completed in March, 1982. C.A.D. Programme has been taken up from the financial year 1984-85 after the scheme was included in the National C.A.D. Programme in 1983-84. The estimated cost of C.A.D. to Kaliabor LIS had been approved for Rs. 465 lakh and subsequently revised in 1995-96 for Rs. 891 Lakhs.

The command area falls under humid and sub-humid climatic belt with annual rainfall varying from 1125mm to 1795mm.

The details of area as per project are as below :-

G. C. A.	=	11741 Ha.
C. C. A.	=	9716 Ha.
N. I. A.	=	8583 Ha.
U. I. P.	=	13724 Ha.

The total NIA mentioned includes the NIA of 9(nine) Nos. of D.T. W. Schemes which is 329 Ha. and five numbers of D.T. Ws are in operable condition.

**Irrigation** : The intensity of irrigation is 160% N. I. A.

**Index Map** : The Index Map showing canal system is enclosed.

**Water requirement of the schemes** : The water requirement for Kharif Season is 250 cusec and Rabi season is 74.50 cusec.

**No. of pumps involved** : There are 7 (seven) Nos. of mumps of 40 cusec capacity and another 1 (one) No. of pump of 30 cusec capacity as stand by.

**Canals** : The length of main canal is 6023m. The first 2195m is designed as combined main canal to carry 900 cusec discharge (250 cusec for Kaliabor LIS and 650 cusec) for integrated irrigation scheme for Kollong river basin.



The total length of canal including branches distributories minor and sub-minor is approximately 93 K.M., out of which water can be supplied to 51 K.M. only due to deteriorate condition of the canal system and during Kharif crop season water supplied to crop field through 31K.M. of canal length only.

**Physical boundary of the irrigation project :** The command area of Kaliabor Lift Irrigation Scheme is bounded by the river Brahmaputra on the North and by Lawkhowa Mouza on the West. Chaparmukh Silghat Branch of N.F. Railway on the East and Jakhalabandha Missa Railway line on the South.

The area lies between Latitude 26° 28' to 26° 37' and Longitude 92° 50' to 93° 00'.

### **Utilisation of Potential**

Year-wise (since begining) potential created and utilised is shown with reasons for low utilisation of avialble potential. It may also be noted that water could not be supplied during the year 2004-2005 & 2005-2006 from the scheme due to siltation at the intake point and also due to mechanical breakdown of the pumps. However, during the drought like situation in the area an area of 2114 Ha. for Sali paddy have been brought under irrigation from the scheme (report as on Sep./2006) by operation 3x250 H.P. pump sets including 1x250 H.P. pump set as stand by.

### **Rabi and Pre-Kharif Programme 2006-07**

Programme for supply of water for Rabi and Pre-kharif programme 2006-07 has been finalised jointly Agriculture Department. Area targetted for Rabi crops is 1065 Ha. and for Pre-kharif crop is 2165 Ha.

### **Maintenance and Repair Works of the Scheme :**

After years of run and due to non-availability of sufficient maintenance fund condition of canal system, water courses, regulator gates etc. deteriorated and require immediate repair for supply of water to the crop field and to restore irrigation potential. Now the area of Rabi and Pre-kharif crops as targetted for 2006-07 could be brought under irrigation command subject to smooth operation of at least 4x250 H.P. pumps of Kaliabor Lift Irrigation Scheme and revival of other civil works such as repair works like strengthening and repair of water courses of different branch canals, distributories and minors, repair of regular gates, repair of canal embankment at different chainages and repair of breaches etc. will be necessary. In this connection an estimate amounting to Rs. 15,00,000/ (fifteen lakhs) only has been approved by the Chief Engineer, Irrigation Department,

Guwahati-781003 vide No. DDI/TB-VII/9/06/2 dt. 30.10.06 and repair works are carried on in those manner as directed by higher authority. So far total amount of Rs. 5.89 lakhs has been received in two phases in September/06 and Nov./06 out of approved amount as noted above.

**Remodelling of Kaliabor Lift Irrigation Scheme :**

Considering the overall situation of deterioration of Pumps and Motors, entire canal system and to restore full irrigation potential the scheme requires remodelling. As such it is proposed to remodel the scheme for which preliminary report is being prepared and will be transmitted to higher authority soon.

Sd/-

Executive Engineer.

Kaliabor CAD Divisional (Irrgn.)

Jakhalabandha : Nagaon.

**Annexure 'G'****REPORT OF THE I.I.S. FOR KALLONG RIVER BASIN & SONAI RIVER BASIN**

The Intergrated Irrigation Scheme for Kallong River Basin & Sonai River Basin is a major Lift Irrigation Project started in the year 1975, in the Nagaon District and covering a part of Morigaon District also. The Civil works of the Project are excuted & supervised by the Kaliabor & Intergrated Kallong Division (Irrigation) Nagaon and pump & motors are under the supervision of Kaliabor & Intergrated Kallong Electrical Division (Irrigation) Nagaon. Over all supervision is made by the superintending Engineer, Nagaon Circle (Irrigation), Nagaon since inception of the Project. The Project consist of 1 no. main intake point at Hatimura 67 KM. from District head quarter & 23 nos. intermediate lift point Hatimura main intake point is equipted with one no. barge and 6 nos. 650 H.P. pump sets to lift 17.50 cumco water from river Brahmaputra to feed the river Kallong to irrigate smoothly by the intermediate lift point during ican period, when the water level recedes in general. No benefitted villages are 53 nos. under 18 nos. of Water Users Association upto March/2005.

Not irrigated area of the Project in 21450 H. (NIA) and potential created upto March/2005 is 17,750 H.(NIA).

The Project accorded A.A. for Rs. 457.00 Lacs during the year 1975 vide No. FCI 259/75/36. dt. 4-6-1975 and the estimate had to revised due to price hike for Rs. 90.54 crores as per 1993 price level to complete the Project. The project is 79% overall completed upto March/2005 with the incurred expenditure of Rs. 76.6359 crores.

Target for completion of the Project was considered 2006-07 due to paucity of fund and land acuisition problem in some lift point, it remine incomplete.

Sd/-

Executive Engineer,  
Kaliabor & Intd. Kallong Division,  
(Irrigation) : Nagaon.