

PDAAP 990

**Bangladesh Agricultural Development Corporation
USAID Fertilizer Distribution
Improvement Grant 388-0024**

**Engineering Consultancy Services
Contract for Bagged Product
Fertilizer Warehouses Project**

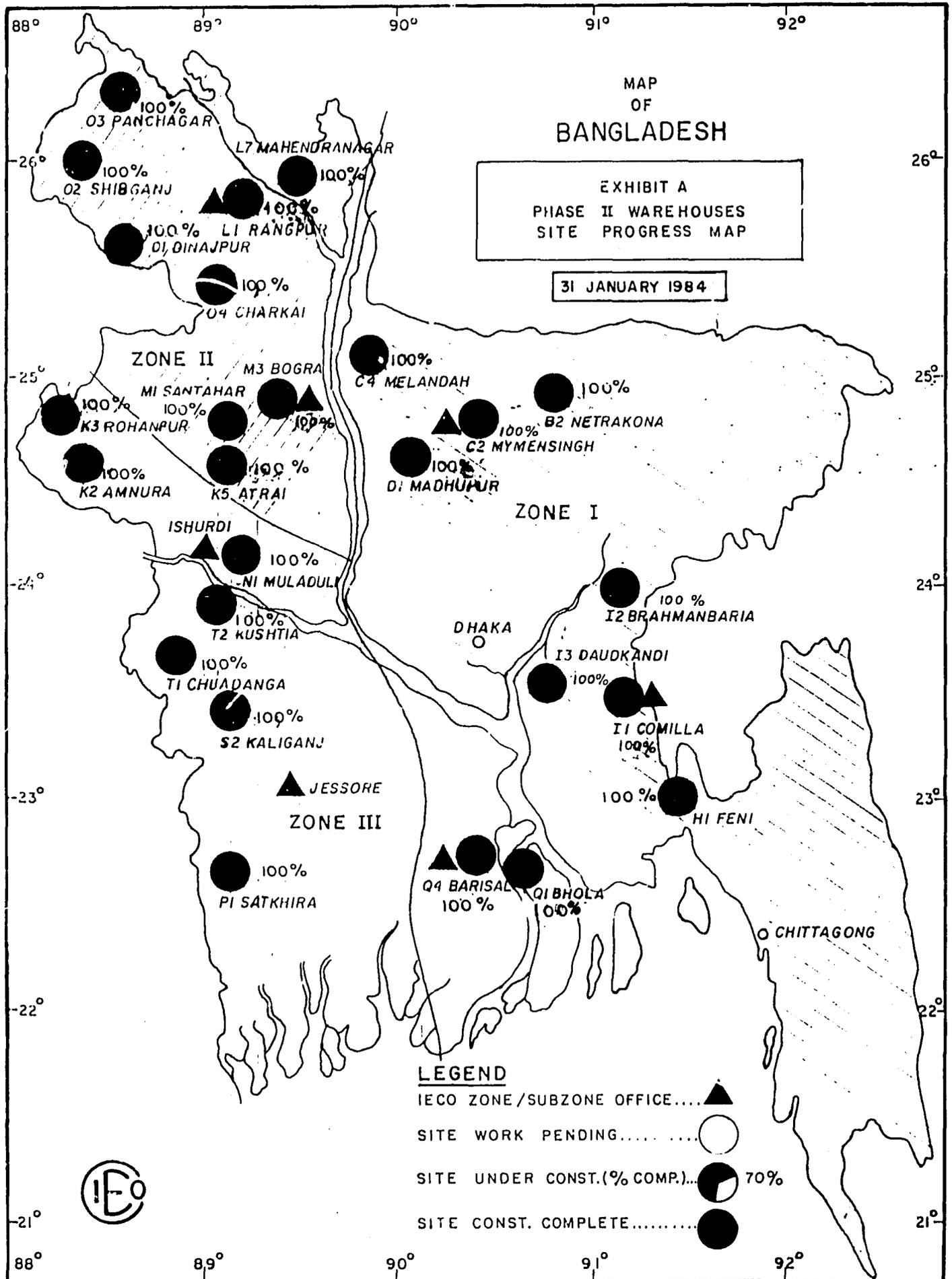
MONTHLY PROGRESS REPORT NO. 52

JANUARY 1984

**CONSULTING
ENGINEERS**

INTERNATIONAL ENGINEERING COMPANY, INC.

A HARRISON-KNUDSEN COMPANY



Drawn : A. K. Roy.

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 MONTH OF JANUARY, 1984
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CONTRACT 9074
7 February 1984

BANGLADESH AGRICULTURAL DEVELOPMENT CORPORATION
ENGINEERING CONSULTANCY SERVICES CONTRACT
FOR BAGGED PRODUCT FERTILIZER
WAREHOUSE PROJECT

INTERNATIONAL ENGINEERING COMPANY, INC.
CONSULTING ENGINEERS

MONTHLY PROGRESS REPORT NO. 52
FOR THE PERIOD JANUARY 1-31, 1984

1. GENERAL

Construction progressed to the final stages and to completion at the ten remaining sites during the month, and certificates of substantial completion were issued to the Contractor by the Engineer for all of these sites during January. Some of these sites were taken over by BADC for operations during the month. At several sites the Contractor continued completing the last minor construction items, at Rohanpur, Bhola, Feni, and Atrai. The last construction activities are being accomplished along with site clean up work during the first half of February, and involve finishing off the exterior siteworks such as riverbank slope protection at Rohanpur and Atrai, water supply works at Bhola, and a brick apron parking area at Feni. Site specific activities are reported on in Section 8.

Maintenance activities were in progress throughout the month at four of the previously completed sites in Zone III, and at Bogra and Santahar in Zone II. The maintenance work planned for February is to be accomplished at Muladuli and Amnura in Zone III, Panchagar and Shibganj in Zone II, and at Comilla, Daudkandi and Mymensingh in Zone I. The January maintenance activities are reported on in Section 8.

KDC performed minor grading on the rail siding embankments at nine sites during January, finishing these to final gradeline for BR's construction operations. BR delivered various siding construction materials to five sites during January, consisting of rail, turnouts, fishplates and fishbolts, and ordinary and special sleepers. Partial materials for construction are now on hand at eleven of the sites, but no ballast has been delivered to any of the sites.

BR did not start any siding construction work during January, and no schedules have been furnished for siding construction. The status of preparations for siding construction at each site is included in Section 7.3 of this report.

The overall project schedule chart following Section 9 now documents the progress to 100% completion of the construction works at all twenty six sites in this program.

With completion of the construction work at the end of January 43 field personnel and 17 office personnel were released by DCS, reducing the DCS staff to 31 employees to carry on in February. IECC local staff was reduced by 3 to 12 personnel. DCS and IECC force reports are appended.

2. CONTRACT ADMINISTRATION

- Change Orders - Four Change Orders were issued and signed by KDC. These were: Q4-036 Barisal Water System, Q1-037 Bhola Water System, Q1-038 Bhola Marine Works and H1-039 for additional roadway at Feni. These four C.O.'s in addition to the twenty eight outstanding were all signed by BADC's Chief Engineer (Const.). At month end C.O. K3-040 for embankment works at Rohanpur was transmitted to KDC for review.
- Bogra Office - The IECC Area Office at Bogra was closed out in January.
- Claims - IECC made a formal response to KDC's claim for increased cost of fuel.
- Equipment - KDC began the procedure to re-export returnable project construction equipment.
- Performance Bond - KDC's Performance Bond was substantially reduced with the issue of Completion Certificate for all sites. The bond, now 2 million dollars, will remain in force until the last maintenance certificate is issued.

3. CONTRACT EXPENDITURE

January, 1984 Taka expenditures reimbursable by USAID were:

Local Salary	Tk.	54,626.00
Office Supplies & Expenses		18,224.75
Dhaka Office Rent/Maint./Utilities		40,976.70
Area Office Rent/Maint./Utilities		6,550.55
Vehicle Operation		71,480.89
Soils Lab. Works		4,741.00
House Rent/Maint./Utilities		3,995.50
Demob Air Fares		26,690.28
Demob Excess Luggage		2,562.00
Demob Air Freight		62,346.75
Expat Medical		8,525.30
DCS		577,911.72
Local Travel		30,188.95
Expat Perdiem & Hotel		5,575.00
Miscellaneous		4,289.70

Total Taka: 918,685.09

Expenses reimbursable through BADC's Duties & Taxes Account were Tk.2,040,373.00

December 1983 expenditure budget is appended.

4. EXPATRIATE STAFF - IECO

In-country expatriate staff during January:

F.E. Isgrig	Project Manager
C.F. Leonhardt	Chief Field & Construction Engineer
D. Lovely	Contract Administrator
S.J. Hewick	Construction Engineer - Demobilized 31 Jan.
H. Tchen	Construction Engineer

5. MEETINGS

15 Jan	BADC/KDC USAID/IECO	Monthly Progress Meeting. KDC's Schedule and Site Report, KDC and BADC Maintenance, Crack repair and miscellaneous topics.
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6. PENDING ACTIVITIES AND ACTIVITIES IN PROGRESS

6.1 For Action by BADC

a. Site clearance/obstruction removal activities:

Rangpur - BADC to execute Burma-Eastern Ltd agreement. One power pole and one telegraph post within the alignment of BE's extended siding require relocation.

b. Arrange with PDB for electrical service at the sites, many of which have now been taken over by BADC for operations.

6.2 For Action by IECO

- a. Finalize tender documents for rebid of rail and fittings for Code 935 countries. Prepare documents for procurement of turnouts and trap switches under informal competitive procedures. Finalize the awards for railway sleepers under the completed Code 941 procurement arrangements.

7. ENGINEERING ACTIVITIES

7.1 Materials Engineering

Crushing strength tests were carried out at Dhaka and at the zonal laboratories on concrete cylinders received from Feni, Barisal, Bhola, Rangpur, Charkai, Mahendranagar and Atrai.

Brick samples were tested in the Dhaka laboratory for possible use at Bhola.

Results of water purity tests with samples collected from Dinajpur, Rangpur, Mahendranagar and Atrai, and subjected to bacteriological tests at Public Health Laboratory, have not yet been received. Resampling of water after disinfection of well at Rohanpur was done and test results from the Public Health department were awaited at month-end.

In January, IECO's testing laboratory at Mymensingh was transferred to Feni, where it was utilized for both soils and concrete cylinder testing of final construction works. The Zonal Laboratories together with the laboratory and field technicians and assistants were demobilized from all field locations during January. One technician has been continued in February to complete soils testing for Feni and to test the last concrete cylinders brought to Dhaka from Feni and Bhola sites.

Consolidated report on materials tests carried out at the IECO Laboratory at Feni is presented in the following page.

7.2 Office and Field Engineering

As-built site plans of sites Barisal, Rohanpur and Bhola were prepared. Minor changes to site plans were shown on as-built drawings following site inspections at Brahmanbaria, Mahendranagar, Kushtia, Kaliganj, Netrakona, Rangpur, Charkai and Satkhira.

Minor modifications were made to plan details for the railway siding construction and for the access steps and walkways from the river up to the godown.

CONSOLIDATED REPORT
MATERIALS TESTING

Laboratory Reporting:
Feni

Reporting Period:
From 26 Dec. To 25 Jan.

CONCRETE		No. of Tests at			Samples Passed at 28 days	Remarks	
Compressive Strength Test Site	Location	7 days	14 days	28 days			
Feni	Godown floor slab, road pavement.	31	-	22	22	22 lab-cured cyls. passed. 2 field cyls. (last month's report) tested and passed at Dhaka Laboratory.	
Materials & Tests		Particulars			Tests Total	Tests Passed	Remarks
<u>BRICK STACK TEST</u>		Frog Marks -					10 stacks passed: A. Khaleque(H1)
Compressive Strength Test		A. Khaleque			37	10+27	27 stacks need sorting.
<u>FINE AGGREGATE</u>							
Field Density Test		Godown sand fill			3	3	Test passed: 3(H1)
<u>COARSE AGGREGATE</u>							
Gradation Test					4	4	Test passed: 4(H1)
<u>IMPORTED MATERIALS</u>							
Gradation Test		Engineered fill			2	2	Test passed: 2(H1)
Field Density Test		Engineered fill			204	181	Test passed: 181(H1)
<u>SPECIAL</u>							
Cement Test							

7.3 Rail Siding Construction Arrangements

Procurement

Contracts for the procurement of Special Diamond Crossings, Ordinary and Special Sleepers were awarded in early January. The bid package II (Invitation 13) for 90A rail was drafted, reviewed and revised for issuance. Additionally the Commerce Business Daily notice for advertisement of Bid Package II was prepared and reviewed. Informal bidding procedures were approved by USAID for procurement of the Turnouts and Trap Switches.

Schedules

BR has been requested to provide construction schedules for all of its work. These are necessary for the proper monitoring of the program. Also, the continuing delay by BR in getting this construction underway, including the fact that no ballast has been brought to the sites and placed, may soon result in damage to prepared embankment surfaces during the onset of the seasonal rains.

Sitewise Situation Report

The status of rail sidings at the fourteen sites is as follows:

Comilla

KDC accomplished the final dressing of the engineered fill in track area, facilitating BR's track construction work.

BR has not advised concerning its review and acceptance (removal of objection to) the previously approved IECO layout plan. BR previously delivered to site the full quantity of 60R (used) rails, 3 sets of turnouts, 1350 Nos track sleepers, and 77 Nos special sleepers. BR construction has not started. In addition to normal trackwork, one 20 ft span girder bridge is to be constructed by BR, and early construction of this bridge would expedite completion of all works. No schedule has been provided for the BR work, and the intended program is unknown.

Netrakona

BR had previously, in December, delivered two sets of new turnouts and 550 Nos of new sleepers to the site. Construction work was not started during January. The embankment is ready for BR's construction.

BR's local engineers have reported a localized drainage problem involving site runoff into BR staff quarters. A joint BR-IECO inspection of the problem is arranged for early February.

Melandah

In December BR had delivered to site 4 sets of new turnouts, 896 Nos new track sleepers and 86 Nos new special sleepers. The embankment is ready. BR did not perform any siding construction work in January, for lack of rail and fittings. No schedule has been furnished for the construction.

Panchagar

No siding materials have been delivered, and no BR work schedule has been furnished. The embankment will be ready for BR's track laying activities by the 5th of February, as KDC is performing final cutting.

Bogra

BR delivered 165 pieces of 75R (used) rail, 36'-0" in length, to site. No siding construction took place in January. Early construction of an extension to the existing 6 ft span culvert in the approach track is important, as this will take time to accomplish. No schedule has been provided by BR for any of the construction.

During January, KDC completed dressing of the embankment surface to exact gradeline for BR's track laying operations.

Santahar

New rails 90A-265 Nos, rail 75R (used) 36'-0" long 200 Nos with fishplates and fishbolts were delivered to site in December. No BR construction was accomplished in January, and no schedule has been submitted.

KDC accomplished the minor cutting and dressing of embankment to bring the subgrade to exact elevation for BR's track laying operations.

Atrai

Final dressing of the embankment surface was done by KDC. Some materials for siding construction were delivered to site. No siding construction was done, and no schedule is available.

Charkai

KDC accomplished the dressing of embankment surface for BR's track construction. BR delivered 42 Nos of 90A new rail to site. No track construction took place, and no schedule for the siding construction is available.

Shibganj

No siding construction materials have been delivered to site. BR did not perform dismantling of the station platform coping wall, which is necessary for KDC to make subgrade for the loop line and extension of station platform. Other pending BR work includes one pipe culvert for the loop line, demolition and reconstruction at relocated position of one platform latrine, platform fencing, and upgrading of the level crossing; all in addition to normal track

work. None of this work was accomplished, and no schedule has been submitted for it.

KDC dressed up the embankment surface to final grade inside the property, ready for BR operations. Other KDC work is pending BR's performance of above-mentioned dismantling of station coping wall.

Rangpur

The embankment is ready. BR has collected at site 61 pieces of used 75R rail, 36'-0" long. No siding construction was done in January, and no schedule submitted for the work.

Mahendranagar

The embankment is ready for laying track. BR has not delivered materials to this site, and no schedule is available for the siding construction.

Muladuli

No further siding construction work was done in January. Some deficiencies in track work already done require replacement of some ordinary sleepers with through sleepers under turnouts, and replacement of one used acute crossing temporarily laid in the siding track. Also, the deficiency of connecting bolts and nuts is to be made full. Ballasting is now essential for the completion of construction. No ballast has been delivered to site. No schedule is known for its delivery.

Amnura

BR has stockpiled 40 pieces of new 90A rail at site. No construction took place in January, and no schedule is available.

Rohanpur

BR delivered 600 pieces of new 90A rail to site in December. No further work took place in January. The approach embankment construction by KDC was in progress during January, and all KDC work in preparing the siding subgrade for BR construction is to be finished during the first week of February.

8. CONSTRUCTION SURVEILLANCE

8.1 General

The last ten remaining sites were certified substantially complete during January for on-time completion of the entire twenty-six site program of construction. A description of the final finishing works on some sites and maintenance works on previously completed sites are reported on below on a zonewise and sitewise basis:

8.2 Zone I (Comilla)

C2 Mymensingh

This site was certified complete on 31st December 1983 and was taken over by BADC on 12th January 1984. The work which KDC is to schedule and accomplish includes installation of permanent power poles and electric lines, repair of some minor cracks and a final coat of whitewash to the exterior of the godown.

A punch list of maintenance/remedial works is to be made in early February 1984.

C4 Melandah Bazar

This site was certified complete on 31st December 1983 and was taken over by BADC on 18th January 1984. The remaining works which KDC must schedule for accomplishment include:

- 1) Install permanent power poles and electric lines.
- 2) Test water system in full use for two consecutive 8-hour periods.

A punch list of other maintenance/remedial work is to be made following BADC's use of the site for some time.

B2 Netrakona

This site was certified complete on 16th January 1984 and was taken over by BADC on 24th January 1984. The remaining works which KDC must schedule for accomplishment include:

- 1) Test water system in full use for two consecutive 8-hour periods.
- 2) Install permanent power line and connections to godown and ancillary buildings.
- 3) Provide protective steel guard for power pole adjacent to parking lot.

A detailed punch list of other maintenance/remedial work is to be made in early March 1984.

I1 Comilla

This site was handed over to BADC on 3rd October 1983.

A detailed punch list of outstanding maintenance/remedial work was transmitted to KDC in January for scheduling of the work. The maintenance work at this site is expected to start and be accomplished in February.

I3 Daudkandi

This site was handed over to BADC on 3rd October 1983.

A detailed punch list of outstanding maintenance/remedial work was transmitted to KDC during January for scheduling of the work. The maintenance work at this site is expected to be accomplished in February.

I2 Brahmanbaria

The six-month maintenance period for Brahmanbaria expired at the end of November 1983, and IECO issued the maintenance certificate on December 7, 1983. The site was not seen by the Engineer in January.

Q4 Barisal

This site was certified substantially complete on 29th January 1984. The remaining works which KDC must schedule for accomplishment include:

A. Site Works

1. Complete river pontoon excavation works and place and anchor the pontoon in position.
2. Complete rectification of concrete slab at the pontoon platform as per Engineer's instruction.

B. Ancillary Buildings

1. Test the water systems in full use for two consecutive 8-hour periods as called for in Specification 22.13D5.

A detailed punch list of outstanding maintenance/remedial work is to be made in March 1984.

Q1 Bholu

This site was certified substantially complete on 29th January 1984. The remaining works which KDC must schedule for accomplishment include:

A. Site Works

1. Complete installation of the water supply system including intake pump, filter tank, settling tank, and pump house.
2. Install power pole electrical lines and add 3 additional power poles to supply power to the electrically operated pump near river.
3. Raise the wall on the southern side of the godown where the adjacent fill is high. Remove existing coping and raise wall minimum of 2 feet. The extent of this work will be determined in the field by the Engineer.
4. Section of boundary fence on southern side of godown remains to be completed.

B. Ancillary Buildings

1. On all buildings certain section of the walls require to be painted by water-base paint to eliminate bad spots, as directed by Engineer.
2. Minor cleaning and finishing works are required to be performed on all buildings.
3. Test the water systems in full use for two consecutive 8-hour periods as called for in Specification 22.13D5.

A detailed punch list of outstanding maintenance/remedial work is to be made in March 1984.

H1 Feni

This site was certified complete on 29th January, 1984. The remaining works which KDC must schedule for accomplishment include:

A. Site Works

1. Sections of the lined drain require repair and other sections remain to be completed.
2. The broken boundary wall adjacent to entrance gate to be re-built and the corrugated iron gatehouse restored to position.
3. Final slope grading toward the drain remains to be accomplished.
4. The parking area in front of C1 Building to be provided per drawing and specification.
5. Grass sodding to be provided on all sloped embankments.
6. Clean-up site.

B. C1 Building

1. On windows, brass bolts and hinges to be installed.
2. One glass panel and three wooden window panels are to be replaced.
3. Minor touch up painting on wooden doors and windows.

C. Public Toilet

1. Minor touch up work with whitewash on inside and outside of building.
2. Change window hardware, re-putty windows and re-paint windows and doors as directed by the Engineer.

A punch list of any necessary maintenance/remedial work is to be made in March, following occupancy and use of the facilities by BADC.

D1 Madhupur

This site was certified complete on 31st December 1983 and was taken over by BADC on 12th January 1984. The remaining works which KDC must schedule for accomplishment include:

1. Install permanent power poles and electric lines.
2. Test water system in full use for two consecutive 8-hour periods.
3. Provide final coat of whitewash to the exterior walls of the godown and ancillary buildings.

A punch list of other maintenance/remedial work is to be made following BADC's use of the site for some time.

8.3 Zone II (Bogra)

M1 Santahar; M3 Bogra; O3 Panchagar; O2 Shibganj

Maintenance work has started at Santahar and Bogra. The start of the scheduled maintenance at Panchagar and Shibganj has been delayed by approximately two weeks; however, detailed punch lists have already been prepared and the work is expected to start in February.

O1 Dinajpur

All items on the final "punch list" were completed by the Contractor and a final inspection was made by IECCO on 9 January. A certificate of substantial completion issued as of that date. BADC started stockpiling fertilizer in the godown during the first week of January and BADC has taken over the site for operations.

O4 Charkai

In early January a final punch list was given to the Contractor to make several remedial repairs and finishing works. During January these were completed. A final inspection was made by IECCO and a certificate of substantial completion issued as of 29 January 1984. BADC started stockpiling fertilizer at this site during the third week of January.

K5 Atrai

All outstanding construction work was completed except for 19 feet of ramp for the pontoon which will be completed when the river level drops by two more feet. A final inspection was made by IECCO on 29 January and a Certificate of Substantial Completion issued as of that date.

L1 Rangpur

All remaining construction work was completed, in accordance with a punch list issued to KDC, all remedial works were carried out during the month of January. A final inspection by IECCO was made on 10 January and a Certificate of Substantial Completion was issued on that date. BADC took over the site on 29 January 1984.

L7 Mahendranagar

All remaining construction work was completed, in accordance with a punch list issued to KDC, and all remedial works were carried out during the month of January. A final inspection by IECCO was made on 10 January and a certificate of substantial completion was issued on that date.

8.4 Zone III (Ishurdi)

K3 Rohanpur

The Rohanpur Site was certified substantially complete as of 29 January 1984. The minor finishing works that remained to be accomplished during early February are listed below, essentially involving finishing off the site development works. The Godown and Ancillary Buildings were 100% complete as of 29 January 1984.

A. Site Works

1. Water pump house: The pump house is to be rehabilitated as per drawing and/or as directed by Engineer.
2. Boundary Fence: Barbed wire posts have been erected, however, installation of wires remains to be done in the eastern side of the site. On the northern side (river side) both posts and barbed wires remain to be completed.
3. Gates: Two gates remain to be installed; one at the railway approach entrance and the other at river steps.
4. River Steps: The completion of the river steps remains to be done as per the drawing.
5. Walkway: The 6 foot wide brick walkway remains to be constructed as per the drawing.
6. Brick Gabion: About 40% of the brick gabion works remains to be completed.
7. Open brick lined drainage: The drain from drop structure #1 to river remains to be constructed as per drawing.
8. 15" wide drain: Approximately 70% of this drain remains to be constructed along the railway siding.
9. 20" wide drain: The 20" drain along railway siding remains to be constructed as per drawing.
10. Grass Sodding: Grass sodding on the embankment slopes is about 70% complete with about 30% of that work to be completed.
11. Final grading of railroad siding outside of gate to be checked by Engineer.
12. Complete excavation and placement of one foot of engineered fill on the railroad siding inside the entrance gate.
13. Construct drainage crossing railroad siding at entrance gate.
14. Disposal of excess excavated earth: The excavated excess soils must be disposed of.
15. Site Cleanup: Final site clean-up remains to be accomplished.
16. Embankment Steps: Complete steps as per drawings.
17. River Side Excavation: Shape the river bank near the steps to make transition to 3:1 slope downstream.

P1 Satkhira

During January maintenance works were in progress and the following works were completed:

1. Cracks in the Godown and Ancillary Buildings were repaired by dry pack and cured for 48 hours prior to receiving the final coat of whitewash.
2. All cracks on doors, windows and frames were repaired with putty and repainted.
3. Bituminous roofing on all buildings were repaired.
4. All electrical switches were checked and repaired as necessary.
5. Final coat of whitewash was given to the exterior of all buildings.

The remaining works not yet completed as per the maintenance punch list are:

1. Plumbing works not yet checked and repaired.
2. The water supply pump is not functioning properly.
3. Expansion joints on the road pavement require to be repaired with new asphalt.

The above remaining outstanding maintenance works are scheduled to be accomplished in February 1984.

S2 Kaliganj

During January maintenance works were in progress and the following works were completed:

1. Cracks in the Godown and Ancillary Buildings have been repaired with dry pack, cured for 48 hours and then repainted.
2. Cracks in doors, windows and frames have been repaired with putty and repainted.
3. Final coat of whitewash was given to the exterior of all buildings.

Items of maintenance still pending at the end of January were:

1. Checking and repairs of all plumbing works.
2. Installation of power lines.
3. Checking and repairs of all electrical works.

The outstanding maintenance items listed above are scheduled to be completed in February 1984.

T1 Chuadanga

During January maintenance works were in progress and the following works were completed:

1. Cracks in the godown and ancillary buildings were repaired and the walls were repainted.
2. Repairs to ancillary building A1 ground floor skirting were completed.
3. Repair of wood cracks has been completed along with repainting.
4. Final coat of whitewash was completed on outside of all buildings.
5. All electrical works were checked and repaired as necessary.

Items of maintenance work still outstanding are:

1. The water supply pump requires to be primed and checked in operation.
2. The checking and repair of plumbing is required.

The above outstanding works are scheduled to be accomplished in February 1984.

T2 Kushtia

During January maintenance works were in progress and the following works completed:

1. Cracks in the godown and ancillary buildings were repaired. however, whitewashing work was pending.

Items of maintenance works still outstanding are:

1. Final coat of whitewash on outside of godown and all ancillary buildings.
2. Plumbing works checking and repair.
3. Electrical works checking and repair.
4. Soak wells need to be checked for proper operation and drainage.

The above outstanding works are scheduled to be accomplished in February 1984.

N1 Muladuli; K2 Annura

A maintenance punch list was prepared in early January for Muladuli and Annura Sites and subsequently KDC submitted their schedule for performing the works.

Due to delays in completing the maintenance works in the four sites reported on above, no maintenance work were accomplished at Muladuli or Annura during January 1984. Maintenance work at these two sites is now rescheduled to be carried out during February 1984.

9. CONTRACTOR'S ACTIVITIES

The following are excerpts from KDC's monthly report No. 27 for the month of January 1984.

1. OVERALL PROJECT ACTIVITIES

1.1 GENERAL STATEMENT OF PROGRESS

Overall project completion is estimated to date as 100% against a planned 100%. The project is complete and on time.

Overall progress for each Zone as a percentage of total project cost is approximately as follows:-

Zone - I	Planned	32.3%
	Actual	32.3%
Zone - II	Planned	46.0%
	Actual	46.0%
Zone - III	Planned	21.7%
	Actual	21.7%

Zonal Progress for each Zone as a percentage of total work in each Zone only:

ZONE-I (32.30% of Total Project Cost)	:	
Planned Progress upto current period	:	100%
Actual Achieved Progress	:	100%
ZONE-II (45.96% of Total Project Cost)	:	
Planned Progress upto current period	:	100%
Actual Achieved Progress	:	100%
ZONE-III (21.74% of Total Project Cost)	:	
Planned Progress upto current period	:	100%
Actual Achieved Progress	:	100%

Certificates of substantial completion have been received for all twenty-six sites. Maintenance Certificate has been received for one site.

Total expatriate staff now equals 37 persons against the original planned estimate of 75 persons.

II. SPECIFIC SITE ACTIVITIES

1. ZONE - I

1.1 GENERAL STATEMENT OF PROGRESS

Brahmanbaria-I2

This was the first site of the Fertilizer Warehouse Project certified complete by IECO. This site was certified complete as of May 9, 1983. Some works, including additional works, were due to be completed during the six-month maintenance period.

These have since been completed and the maintenance certificate has been received for this site.

Daudkandi-I3

This site was certified complete as of August 31, 1983. Some finishing and rectification works were scheduled during the maintenance period. Most of these works have already been completed and the rest are expected to be completed before the maintenance period ends around end-February, 1984.

Comilla-I1

This site was also declared complete on August 31, 1983 by IECO. Most of the maintenance period works have already been completed. The maintenance period ends in and around end-February.

Feni-H1

A tremendous effort by KDC in January allowed IECO to declare this site substantially complete on January 29, 1984. Frequent work-stoppages at Feni previously had put construction work behind schedule. IECO has listed some works to be accomplished during the maintenance period. Almost all of them are of a very minor nature.

Mymensingh-C2

This site was substantially completed on September 30, 1983. Absence of Ancillary Buildings at this site and fairly thorough work on the warehouse meant that there was little maintenance work left to be done after September, 1983, except correction of any defects that may develop. The maintenance period for this site ends around end-March, 1984.

Madhupur-D1

Only the installation of permanent power poles and electric lines and the test for the water system remained to be accomplished during the maintenance works period when the certificate of completion was received for this site. According to IECO, all works at this site were substantially completed on December 31, 1984.

Melandah Bazar-C4

With only the permanent power poles and electrical line installation remaining along with the mandatory eight hour system test of the water supply system, little remained to be accomplished during the six-month maintenance period in addition to "any defects that may develop in the finished works." The Melandah Bazar certificate of completion was valid as of the 31st of December.

Netrakona-B2

Netrakona site's certificate of substantial completion was received on January 17, 1984. In addition to the usual "correction of defects" and installation of the permanent power line and testing of the water supply system, a protective steel guard had to be set on the power pole adjacent to parking lot. Some minor modification works had to be accomplished on and around the boundary wall.

Bhola-Q1

Because of difficulties in transporting materials to this site and other problems Bhola was one of the most difficult sites to work in. It was fairly behind schedule in the later stages and only a heroic round-the-clock effort by KDC in the last three or four months ensured a certificate of substantial completion effective as of January 29, 1984. It may be mentioned that KDC applied for and granted one month's extension to the project at this site.

Barisal-Q4

Barisal site also had all its works substantially completed on 29 January, 1984. Only the Ancillary Building water supply system and some work relating to the marine pontoon were particularly cited on the certificate as work to be completed during the maintenance period in addition to "correcting and repairing defects in the finished works which develop during the period of maintenance." The maintenance period for this site runs up to around end of July.

2. ZONE - II

2.1 GENERAL STATEMENT OF PROGRESS

Santahar-M1

The certificate of substantial completion for this big site was finally received effective October 31, 1983. This was the largest of the Fertilizer Warehouse Project sites and consisted of three warehouses and their ancillary works. Work scheduled for the maintenance period is now underway and should be complete before the maintenance period expires in and around end-April.

Bogra-M3

This was the first Zone-II site IECO certified substantially complete. The certificate of completion for this site was received on October 19, 1983, and was effective from September 31, 1983. The maintenance period for this site ends around end-March, 1984. Some minor finishing works were all that remained to be accomplished during the maintenance period.

Panchagar-03

Panchagar site's certificate of substantial completion was received effective from 25 October, 1983. Some minor finishing and rectification works were cited for scheduling during the maintenance period. Most of them have either been completed or are underway.

Shibganj-02

Shibganj site was rather unusual as most of the works here were entrusted to a sub-contractor with KDC retaining responsibility for quality control and carrying out the more technically complicated construction jobs. Some minor finishing and additional works were identified for completion during the maintenance period in addition to the contract specified "correction of any defects which may develop". With the IECO completion certificate being effective from 31 October, 1983, Shibganj site's maintenance period runs out around end-April.

Rangpur-L1

The certification for the substantial completion of this site was received effective from 10 January, 1984. No special rectification work was needed to be accomplished during the six-month maintenance period outside of some repairs to the boundary wall and "any defects which may develop".

Mahendranagar-L7

Nothing wrong was found by the IECO inspectors during the final inspection at this site. Accordingly, IECO issued a completion certificate for this site valid from January 10, 1984. No special rectification works were cited as being necessary in the certificate of completion. This was one of the larger sites in Zone II.

Dinajpur-01

As at Mahendranagar, Dinajpur site passed final inspection with flying colours. No special rectification works were cited in the certificate of completion for scheduling during the maintenance period. According to IECO, January 9, 1984, was the date on which all construction activities were substantially completed.

Charkai-04

Despite being as much as 16% behind schedule at the end of December, hectic construction activities in January made it possible for this site to obtain its IECO completion certificate effective as of 29 January, 1984. Fairly thorough work left no special rectification works to be accomplished during the maintenance period.

Atrai-K5

Some work items relating to the marine pontoon, a special feature at this and two other sites, were cited as being necessary for accomplishment within the maintenance period when the certificate of substantial completion was issued effective January 29, 1984.

3. ZONE - III

3.1 GENERAL STATEMENT OF PROGRESS

Muladuli-N1

All the Zone - III sites (except Rohanpur) of the Fertilizer Warehouses Project received their certificates of substantial completion on the same date: October 19, 1983. All the certificates were also effective from the same date: October 14, 1983. In Muladuli, the particular works cited on the completion certificate in addition to "maintaining the various systems and facilities in good working order, correcting and repairing defects in the finished works which develop during the period of maintenance" were some minor rectification works on the warehouse and tests on the water supply system in the Ancillary Buildings. One final coat of paint was also scheduled for the Warehouse and the Ancillary Buildings for the dry season. As of January 31, 1984, most of the works were either complete or underway.

Chuadanga-T1

Particular items cited for accomplishment during the maintenance period for this site were the same as for Muladuli. Most of the works listed for Chuadanga have already been substantially accomplished as at the other Zone-III sites.

Amnura-K2

As at the other Zone-III sites where similar items have been cited for completion during the maintenance period, most of the works have already been accomplished in Amnura.

Satkhira-P1

In Satkhira, the situation was the same as that listed under Muladuli for the six Zone-III sites excluding Rohanpur.

Kushtia-T2

The same situation obtained at Kushtia as at the other six Zone-III sites.

Kaliganj-S2

Like the rest of the six Zone-III sites listed above, Kaliganj was completed substantially on October 14, 1983. The other features of construction work were the same as at the other sites.

Rohanpur-K3

Rohanpur site's certificate of substantial completion was received effective from January 29, 1984. Previously KDC had applied for and obtained a one-month time extension for the Rohanpur site citing additional works and unfavourable physical conditions. In that respect, the works were complete one month ahead of schedule. A list of particular works to be scheduled during the maintenance period were mentioned in the completion certificate. Most, however, were of a relatively minor nature.

10. CONTRACT FINANCIAL SUMMARY - DOLLARS

<u>Site</u>	<u>Projected Site Costs</u>	<u>Current Month *</u>	<u>Job To Date \$</u>	<u>Job To Date %</u>
<u>ZONE - I</u>				
Daudkandi	1,540,000.00	0	1,524,832.47	99.02
Brahmanbaria	1,492,000.00	0	1,503,336.13	100.76
Comilla	2,402,000.00	0	2,365,460.08	98.48
Mymensingh	710,000.00	0	706,978.92	99.57
Feni	820,000.00	188,508.85	880,279.88	107.35
Madhupur	1,415,000.00	0	1,443,436.98	102.01
Melandah	1,608,000.00	0	1,505,949.25	93.65
Netrakona	1,772,000.00	0	1,720,691.48	97.10
Barisal	1,660,000.00	74,103.50	1,690,012.89	101.81
Bhola	2,070,000.00	173,756.67	2,073,174.88	100.15
<u>ZONE - II</u>				
Santahar	6,095,000.00	0	6,057,314.76	99.38
Bogra	3,111,000.00	0	3,064,696.20	98.51
Panchagar	1,160,000.00	0	1,127,017.17	97.16
Shibganj	2,132,000.00	0	2,114,656.93	99.19
Rangpur	1,664,000.00	549.00	1,695,241.84	101.88
Mahendranagar	2,930,000.00	8,183.52	2,791,290.22	95.27
Charkai	1,835,000.00	199,460.98	1,759,059.64	95.86
Dinajpur	1,504,000.00	7,544.93	1,446,435.85	96.17
Atrai	1,600,000.00	153,632.09	1,568,962.32	98.06
<u>ZONE - III</u>				
Muladuli	1,600,000.00	0	1,516,176.86	94.74
Chuadanga	2,000,000.00	0	2,003,057.94	100.15
Amnura	1,670,000.00	0	1,538,823.46	92.14
Satkhira	1,038,000.00	0	1,051,519.98	101.30
Kushtia	1,207,000.00	0	1,152,578.39	95.49
Kaliganj	1,274,000.00	0	1,191,144.35	93.50
Rohanpur	1,630,000.00	71,149.37	1,541,347.49	94.56
TOTAL				
(All Sites)	47,939,000.00	876,888.01	47,033,466.36	98.11
RETENTION			970,429.72	

* Preliminary data

11. CONSTRUCTION CONTRACT CHANGE ORDER STATUS

<u>Change Order Number</u>	<u>Date</u>	<u>Description</u>	<u>Change</u>	<u>Contract Amount</u>
-	16 Oct. 81	Contract signed	-	\$ 50,000,000.00
01-001	23 Oct. 81	Dinajpur - 3000 ton godown eliminated	\$ (561,600.17)	\$ 49,438,399.83
002	26 Jan. 82	Cost reduction	Rejected	\$ 49,438,399.83
11-003	25 May 82	Comilla-Change culvert	\$ (2,510.48)	\$ 49,435,889.35
I3-004	18 May 82	Daudkandi - Remove and recompact fill	\$ 49,610.00	\$ 49,485,499.35
D1-005	16 June 82	Madhupur - Site relocated	\$ (4,293.80)	\$ 49,481,205.55
H1-006	21 July 82	Feni - Earthwork Modification	\$ 45,258.00	\$ 49,527,463.55
C2-007	22 Feb. 83	Mymensingh - Concrete piles Deleted sand piles and floor (A27 and B11)	\$ 138,426.70 \$ (203,185.16)	
		Net	\$ (64,758.46)	\$ 49,462,705.09
I3-008	22 Feb. 83	Daudkandi - Marine Landing	\$ (13,499.00)	\$ 49,449,206.04
C4-009	22 Feb. 83	Melandah - Concrete piles Deleted sand piles and floor (A27 and B11)	\$ 143,144.91 \$ (422,950.88)	
		Net	\$ (279,805.97)	\$ 49,169,400.12
B2-010	02 Feb. 83	Netrakona - Concrete piles Deleted sand piles and floor (A27 and B11)	\$ 153,692.38 \$ (377,553.60)	
		Net	\$ (223,861.22)	\$ 48,945,538.90
I2-011	21 April 83	Brahmanbaria revised water system Delete - D21, 22 & 23	\$ 10,666.91 \$ (19,152.00)	
		Net	\$ (8,485.09)	\$ 48,937,053.81
I1-012	28 April 83	Comilla revised water system Delete D21, 22 & 23	\$ 16,307.03 (19,152.00)	
		Net	(2,844.97)	\$ 48,934,208.84
I3-013	28 April 83	Daudkandi revised water system Delete D21, 22 & 23	\$ 12,695.78 (19,152.00)	
		Net	(6,456.22)	\$ 48,927,752.62

CONSTRUCTION CONTRACT CHANGE ORDER STATUS (Continued)

<u>Change Order Number</u>	<u>Date</u>	<u>Description</u>	<u>Change</u>	<u>Contract Amount</u>
03-014	28 April 83	Panchagar revised water system Delete D21, 22 & 23 Net	\$ 17,717.03 (19,152.00) (1,434.97)	\$ 48,926,317.65
M1-015	28 April 83	Santahar revised water system Delete D21, 22 & 23 Net	\$ 13,590.85 (19,152.00) (5,561.15)	\$ 48,920,756.50
02-016	28 April 83	Shibganj revised water system Delete D21, 22 & 23 Net	\$ 12,359.85 (19,152.00) (6,792.15)	\$ 48,913,964.35
M3-017	28 April 83	Bogra revised water system Delete D21, 22 & 23 Net	\$ 14,388.85 (19,152.00) (4,763.15)	\$ 48,909,201.20
P1-018	28 April 83	Satkhira revised water system Delete D21, 22 & 23 Net	\$ 12,866.21 (19,152.00) (6,285.79)	\$ 48,902,915.41
T1-019	28 April 83	Chuadanga revised water system Delete D21, 22 & 23 Net	\$ 15,777.35 (19,152.00) (3,374.65)	\$ 48,899,540.76
N1-020	28 April 83	Muladuli revised water system Delete D21, 22 & 23 Net	\$ 9,021.43 (19,152.00) (10,130.57)	\$ 48,889,410.19
M1-021	18 July 83	Santahar Gate substitution	\$ 251.50	\$ 48,889,661.69
D1-022	08 Aug. 83	Madhapur revised water system Delete D21, 22 & 23 Net	\$ 17,380.25 (14,766.00) 2,614.25	\$ 48,892,275.94
B2-023	14 Sept. 83	Netrakona revised water system Delete D21, 22 & 23 Net	\$ 12,004.88 (19,152.00) (7,147.12)	\$ 48,885,128.82
C4-024	14 Sept. 83	Melandah revised water system Delete D21, 22 & 23 Net	\$ 13,854.06 (19,152.00) (5,297.92)	\$ 48,879,830.90
Q4-025	14 Sept. 83	Barisal revised water system Voided and superseded by C.O. Q4-036		\$ 48,879,830.90

CONSTRUCTION CONTRACT CHANGE ORDER STATUS (Continued)

<u>Change Order Number</u>	<u>Date</u>	<u>Description</u>	<u>Change</u>	<u>Contract Amount</u>
K5-026	14 Sept. 83	Atrai revised water system Delete D21, 22 & 23 Net	\$ 13,605.08 (19,152.00) (5,546.92)	\$ 48,874,283.98
L1-027	14 Sept. 83	Rangpur revised water system Delete D21, 22 & 23 Net	\$ 14,525.83 (19,152.00) (4,626.17)	\$ 48,869,657.81
L7-028	14 Sept. 83	Mahendranagar revised water system Delete D21, 22 & 23 Net	\$ 17,431.65 (19,152.00) (1,720.35)	\$ 48,867,937.46
04-029	14 Sept. 83	Charkai revised water system Delete D21, 22 & 23 Net	\$ 14,415.65 (19,152.00) (4,736.35)	\$ 48,863,201.11
01-030	14 Sept. 83	Dinajpur revised water system Delete D21, 22 & 23 Net	\$ 10,201.70 (19,152.00) (8,950.30)	\$ 48,854,250.81
S2-031	14 Sept. 83	Kaliganj revised water system Delete D21, 22 & 23 Net	\$ 14,964.93 (19,152.00) (4,187.07)	\$ 48,850,063.74
T2-032	14 Sept. 83	Kushtia revised water system Delete D21, 22 & 23 Net	\$ 13,045.28 (19,152.00) (6,106.72)	\$ 48,843,957.02
H1-033	14 Sept. 83	Feni revised water system Delete D21, 22 & 23 Net	\$ 12,063.12 (10,770.00) 1,293.12	\$ 48,845,250.14
Q4-034	15 Sept. 83	Barisal concrete piles Delete sand piles and floor (A27 and B11) Net	\$ 156,418.75 (268,100.07) (111,681.32)	\$ 48,733,568.82
K5-035	22 B c. 83	Atrai concrete piles, pontoon, site work Delete sand piles Net	\$ (11,523.66) (196,000.00) (207,523.66)	\$ 48,526,045.16

CONSTRUCTION CONTRACT CHANGE ORDER STATUS (Continued)

<u>Change Order Number</u>	<u>Date</u>	<u>Description</u>	<u>Change</u>	<u>Contract Amount</u>
Q4-036	11 Jan. 84	Barisal water system Delete D21, 22 & 23 Net	\$ 13,077.50 (19,152.00) (6,074.50)	\$ 48,519,970.66
Q1-037	11 Jan. 84	Bhola water system Delete D21, 22 & 23 Net	\$ 39,322.28 (19,152.00) 20,170.28	\$ 48,540,140.94
Q1-038	16 Jan. 84	Bhola Marine works	\$ 15,750.00	\$ 48,555,890.94
H1-039	16 Jan. 84	Feni Roadway	\$ 78,636.25	\$ 48,634,527.19
K3-040	29 Jan. 84	Rohanpur Site works	\$ 81,668.50	\$ 48,716,195.69

INTERNATIONAL ENGINEERING COMPANY, INC.

FORCE REPORT

31 JANUARY, 1984

A. Dhaka Office

1. K.F. Ahmed	Chief Accountant
2. A.K. Chowdhury*	Expeditor
3. Hiranjan Paul*	Expeditor
4. Md. Enayetullah	Secretary
5. Khurshid Ahsan	Purchase Agent
6. Mizanur Rahman Sikder	Admin. Assistant
7. Benjamin Gomes	Admin. Assistant
8. Danzil Gonsalves	Printer
9. Idris M. Khan	Driver
10. Moazzam Hossain	Driver
11. Md. Arifullah Khan	Guard
12. Nuruzzaman	Janitor
13. Robin Rozario*	Driver

B. Zone I (Mymensingh)

1. M. Kabir**	Area Office Manager
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C. Zone II (Bogra)

1. R.A. Drayne	Area Office Manager
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* Terminated in January, 1984

** Stationed at Dhaka

DEVELOPMENT CONSULTANCY SERVICES LTD.

FORCE REPORT

31 JANUARY, 1984

A. Dhaka Office & Lab.

1. Quazi Hamidur Rahman	Associate Project Manager (Part Time)
2. M.K. Zaman	Office Engineer
3. Fazlul Wahhab	Tech. Asst. to P.M.
4. Rafiqus Salehin	Senior Field Engineer
5. Syed Reza Ali*	Senior Field Engineer
6. Shahadat Ali Sarker	Senior Field Engineer
7. A.K.M. Manjur Hossain	Cost Engineer
8. Sk. Rezaul Haque*	Materials Engineer
9. Parimal Bikash Sutradhar	Engineer
10. Q. Ahmed Najee	Land Procurement Officer (at BADC)
11. Rafiqul Islam	Inspector (Electrical)
12. Sk. Zameul Haque*	Mat. Lab. Technician
13. Abdul Wahed*	Mat. Lab. Technician
14. Rebeka Sultana*	Mat. Lab. Technician
15. Akshay Kumar Roy*	Draftsman
16. Nigar Rashida	Draftsman
17. Rafia Akhter*	Draftsman
18. Rezaul Karim*	Accounts Assistant
19. Aftab Alam*	Typist (at BADC)
20. Mojibur Rahman*	Mat. Lab. Assistant
21. Abdur Rashid*	Mat. Lab. Assistant
22. A. Motaleb*	Instrumentman
23. Md. Wizamuddin*	Chainman
24. Abul Basher*	Rodman
25. Badruddin	Driver
26. Sultan Ahmed	Driver
27. Shafiqur Rahman	Driver
28. Faiz Chowdhury*	Messenger
29. Ulfat Ali*	Messenger
30. Juhanara Begum*	Messenger/Receptionist
31. Aminuddin	Guard
32. Muksed Ali Chowdhury	Guard
33. Shahabuddin Khan	Guard (at BADC)

B. Zone-ISub-Zone I-A (Comilla)

1. Emdadul Ghani	Senior Field Engineer (Feni)
2. N.C. Lewis	Inspector (Feni)
3. Md. Shahid Khan	Mat. Lab. Tech. (Feni)
4. Abul Kalam Azad*	Mat. Lab. Tech. (Feni)
5. Nurul Momen Khan*	Mat. Lab. Asst. (Feni)

Sub-Zone I-B (Mymensingh)

1. Nazrul Islam*	Senior Field Engineer
2. Haider Farooq*	Field Engineer (Madhupur)
3. Munshi Abu Jaffar*	Field Engineer (Melandah)
4. Shafiqur Rahman*	Field Engineer (Netrakona)
5. Monowar Ali Khan*	Inspector (Madhupur)
6. Majedur Rahman*	Inspector (Netrakona)
7. Md. Abdur Rouf*	Mat. Lab. Tech. (Sub-Zone I-B)
8. Tajul Islam Khan*	Mat. Lab. Asst. (Sub-Zone I-B)
9. Shafique Uddin Ahmed*	Mat. Lab. Asst. (Sub-Zone I-B)
10. Abdul Malek Fakir*	Driver
11. Md. Yusuf Ali*	Driver
12. Md. Shahabuddin*	Messenger

Sub-Zone I-C (Barisal)

1. Habibur Rahman Khan*	Field Engineer (Barisal)
2. Syed Giasuddin Ahmed	Field Engineer (Bhola)
3. A.K.M. Harun-ur-Rashid*	Inspector (Bhola)
4. Md. Nurun Nabi*	Mat. Lab. Tech. (Sub-Zone I-C)
5. Syed Humayun*	Mat. Lab. Asst. (Sub-Zone I-C)
6. Shafiqur Rahman*	Mat. Lab. Asst. (Sub-Zone I-C)
7. Md. Alamgir (Alam)*	Messenger

C. Zone II (Bogra)

1. Mohi-uz-Zaman Quazi	Senior Field Engineer (Zone II)
2. Mahbubur Rahman	Field Engineer (Zone II)
3. A.H. Nazrul Islam*	Field Engineer (Dinajpur)
4. Abdur Razzaque*	Field Engineer (Rangpur)
5. Sagar Krishna Chakraborty*	Field Engineer (Mahendranagar)
6. Md. Saimum Haque*	Field Engineer (Charkai)
7. Zahidul Islam*	Inspector (Rangpur)
8. Md. Sekandar Ali*	Inspector (Dinajpur)
9. Sheikh Md. Farooq	Inspector (Mahendranagar)
10. Mofazzal Hossain*	Inspector (Rangpur)
11. Rabindranath Sarkar*	Inspector (Atrai)
12. Ejabuddin Patwary*	Inspector (Charkai)
13. Shamsur Rahman*	Mat. Lab. Tech. (Atrai)
14. Sabbir Hossain*	Mat. Lab. Tech. (Dinajpur)
15. Abdur Rashid*	Mat. Lab. Tech. (Mahendranagar)
16. Golam Mohammad*	Mat. Lab. Tech. (Charkai)
17. Raisuddin*	Mat. Lab. Asst. (Atrai)
18. Abu Taher*	Mat. Lab. Asst. (Rangpur)
19. Shahjahan Talukder*	Mat. Lab. Asst. (Rangpur)
20. Syed Mohiuddin*	Mat. Lab. Asst. (Charkai)
21. Karrul Hassan Khan*	Mat. Lab. Asst. (Dinajpur)
22. Golam Ahmed Dastagir	Driver (Rangpur)
23. Dulal Chandra Mohanta*	Driver
24. Md. Ali Hossein	Driver (Bogra)
25. Subodh Chandra Das*	Driver (Sub-Zone II-B)
26. Md. Belal*	Messenger
27. Ali Ahmed*	Guard (Bogra Office)
28. Abdul Gani	Guard (Rangpur Office)

D. Zone III (Ishurdi)

1. Amalendu Debnath *	Senior Field Engineer (Rohanpur)
2. Tajul Islam Chowdhury*	Area Office Manager
3. Mostahar Ali	Field Engineer (Rohanpur)
4. Nazimul Islam	Inspector (Sub-Zone III-B)
5. Bazlur Rahman	Inspector (Rohanpur)
6. Talukder Obaidur Rahman	Mat. Lab. Tech. (Rohanpur)

* Resigned/was terminated January 1984.

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USAID IMPROVEMENT GRANT
IECO CONTRACT 9074

CONSULTANCY EXPENDITURE BUDGET

APPENDIX III

Sheet 1 of 4

Schedule I	Budget	JOB TO DATE		DECEMBER, 1983		Balance
		Dollars	Taka As Dollars	Dollars	Taka As Dollars	
<u>Resident Consultant Related Cost</u>						
A. Salary	1,029,900	972,255.43	-	20,297.50	-	57,644.57
B. Payroll						
C. Overhead	1,071,100	1,011,445.65	-	21,409.40	-	59,654.35
D. Air Travel	60,000	56,341.99	606.13	-	-	3,051.88
E. Freight Cost	51,000	33,500.00	4,383.87	-	-	13,116.13
F. Excess Baggage	9,966	2,037.97	-	-	-	7,928.03
G. Processing Cost	3,450	2,923.92	343.28	-	-	182.80
H. Personal Automobiles	5,000	-	-	-	-	5,000.00
I. Settling-in Cost	40,500	31,240.91	-	-	-	9,259.09
J. Housing Allowance	171,160	-	161,775.14	-	4,965.57	9,380.86
K. Furniture & Equipment	77,000	28,464.59	37,952.75	-	-	10,582.66
L. Education Allowance	15,000	5,025.00	29,925.43	-	-	(19,950.43)
M. Terminal Leave	68,620	-	-	-	-	68,620.00
N. Medical Care	16,425	48.19	1,083.19	-	-	15,293.62
O. Int'l Travel Per Diem	13,500	12,635.31	2,376.51	-	-	(1,511.62)
P. In-country Travel Per Diem	18,538	-	9,510.80	-	131.92	9,027.20
	\$ 2,651,159	2,155,918.95	247,961.15	41,406.90	5,037.49	247,278.89
Say	\$ 2,651,000					247,119.89

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USAID IMPROVEMENT GRANT
IECO CONTRACT 9074

CONSULTANCY EXPENDITURE BUDGET

<u>Schedule II</u>	<u>Budget</u>	<u>JOB TO DATE</u>		<u>DECEMBER , 1983</u>		<u>Balance</u>
		<u>Dollars</u>	<u>Taka As Dollars</u>	<u>Dollars</u>	<u>Taka As Dollars</u>	
<u>Short Term Consultant Related Cost</u>						
A. Salaries	12,000	10,992.70	-	-	-	1,007.30
B. Payroll Cost $\begin{matrix} \text{X} \\ \text{X} \end{matrix}$	14,640	13,411.10	-	-	-	1,228.90
C. Overhead Cost $\begin{matrix} \text{X} \\ \text{X} \end{matrix}$	14,700	17,529.72	-	-	-	(2,829.72)
D. Specialist Consultants Fees	6,000	6,988.00	-	-	-	(988.00)
E. Air Travel	906	37.40	-	-	-	818.60
F. Excess Baggage	600	24.00	-	-	-	576.00
G. Processing Cost	10,640	9,313.69	-	-	-	1,326.31
H. Temporary Accommodation	1,350	1,520.65	-	-	-	(170.65)
I. Int'l Travel Per Diem						
	\$ <u>60,836</u>	59,867.26				<u>968.74</u>
Say	\$ <u>61,000</u>					<u>1,132.74</u>

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USAID IMPROVEMENT GRANT

IFCC CONTRACT 9074

APPENDIX III

Sheet 3 of 4

CONSULTANCY EXPENDITURE BUDGET

Schedule III	Budget	JOE TO DATE		DECEMBER, 1983		Balance
		Dollars	Taka As Dollars	Dollars	Taka As Dollars	
<u>A. Office Rental, Equipment and Maintenance</u>						
1. Dhaka Office	52,860	-	55,376.70	-	264.67	(2,516.70)
2. Area Office Including Lab.	25,450	-	25,891.63	-	279.15	(441.63)
3. Furniture & Equipment	55,800	15,331.32	52,979.41	-	67.57	(12,510.73)
4. Office Supplies & Stationery	40,125	12,380.44	28,541.92	-	102.73	(797.36)
5. Reproduction Cost	54,900	383.88	52,187.12	-	828.75	2,329.00
6. Communication Cost	13,050	60.00	11,093.11	-	238.97	1,896.39
<u>B. Vehicle Operation & Maint.</u>						
1. Vehicle Rental	11,250	-	12,049.13	-	-	(799.13)
2. Vehicle Operation & Maintenance	255,050	-	243,082.59	-	3,056.15	11,967.41
<u>C. Direct Hire Local Admin. Personnel</u>	130,900	-	146,470.26	-	2,510.78	(15,570.26)
<u>D. Soil Testing Charges</u>	33,000	-	30,338.15	-	111.31	2,661.85
<u>E. Subcontract DCS (Table 6B)</u>	993,450	-	919,276.42	-	24,194.87	74,173.58
<u>F. Local Travel</u>	23,500	-	25,410.51	-	1,142.03	(1,916.51)
<u>G. Misc. Field & Office Expenses</u>	<u>18,000</u>	<u>25.00</u>	<u>15,901.36</u>	-	<u>992.63</u>	<u>2,073.64</u>
	\$ <u>1,707,335</u>	28,180.64	1,618,604.31	-	33,789.66	<u>60,550.05</u>
Say	\$ <u>1,707,000</u>					60,215.05

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USAID IMPROVEMENT GRANT

IECO CONTRACT 9074

CONSULTANCY EXPENDITURE BUDGET

APPENDIX III

Sheet 4 of 4

Schedule	Budget	JOB TO DATE		DECEMBER, 1983		Balance
		Dollars	Taka As Dollars	Dollars	Taka As Dollars	
<u>IECO Headquarter Related Cost</u>						
A. Salaries	93,300	99,073.13	-	-	-	(5,773.13)
B. Payroll Cost X			-	-	-	
C. Overhead Cost X	113,830	120,627.77	-	-	-	(6,797.77)
D. Officers' & Managers' Visits	18,600	20,585.30	-	-	-	(1,985.30)
E. Computer Cost	7,000	12,684.99	-	-	-	(5,684.99)
F. Communication Cost	19,500	13,227.42	-	111.85	-	6,272.58
G. Reproduction Cost	10,000	3,394.96	-	-	-	6,605.04
H. Bond Cost & Commission	5,000	2,684.08	-	-	-	2,315.92
	\$ 267,230	272,277.65	-	111.85	-	(5,047.65)
	Say \$ 267,000					(5,277.65)
<u>Schedule V</u>						
A. <u>Equipment Purchased for Project</u>						
1. Transportation Equipment	156,700	75,520.00	14,995.56	-	-	66,184.44
2. Survey Equipment	19,000	19,036.63	871.00	-	-	(907.63)
3. Soil Lab. Equipment	21,700	10,242.89	8,181.64	-	-	3,275.47
4. Materials Lab.	26,000	21,730.30	12,955.95	-	-	(8,656.25)
5. Minor Equipment, Tools and Spare Parts	29,000	20,209.94	210.23	-	-	8,579.83
B. <u>Shipping, Insurance and Clearance Costs</u>	77,600	59,568.36	8,556.30	20.82	1,017.30	9,475.34
	330,000	206,308.12	45,770.68	20.82	1,017.30	77,921.20
<u>Schedule VI</u>						
Fixed Fee	501,000	486,467.71		7,266.67		14,532.29
	\$ 5,517,000	3,209,020.34	1,912,336.14	48,806.24	39,844.45	395,643.52

Total Expenditure to Date = 5,121,353.48
 Percent of Budget Spent to Date = 92.82%
 Contract Time Elapsed = 98.04%

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