

(3) M/D (Explanation of Draft of Basic Design Report)

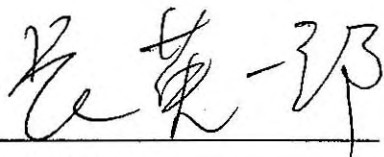
Minutes of Discussions
on
the Basic Design Study
on
the Project for Improvement of Storm Water Drainage System
in Dhaka City (Phase II)
in
The People's Republic of Bangladesh
(Explanation on Draft Final Report)

In February 2006, the Japan International Cooperation Agency (hereinafter referred to as "JICA") dispatched a Basic Design Study Team on the Project for Improvement of Storm Water Drainage System in Dhaka City (Phase II) (hereinafter referred to as "the Project") to the People's Republic of Bangladesh (hereinafter referred to as "Bangladesh"), and through discussions, field survey, and technical examination of the results in Japan, JICA prepared a draft report of the study.

In order to explain and to consult with concerned officials of the Government of Bangladesh on the components of the draft report, JICA sent to Bangladesh the Draft Report Explanation Team (hereinafter referred to as "the Team"), which is headed by Mr. Eiichiro Cho, the Additional Resident Representative of the JICA Bangladesh Office, from July 8th to 15th, 2006.

As results of discussions, both sides confirmed the main items described on the attached sheets (15 pages).

Dhaka,
July 13, 2006



EIICHIRO CHO

Leader

Draft Report Explanation Team

Japan International Cooperation Agency



M EMDADUL HAQUE

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13-7-06

MD. TASHARAUFG HOSSAIN FARAZI

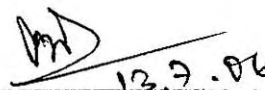
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Witnesses


13.7.06

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Attachment

1. Components of the Draft Report

The Bangladesh side has agreed and accepted in principle the components of the draft report explained by the Team.

The final decision will be made by the Government of Japan based on the examination of the result of the Basic Design Study

2. Responsible and Implementing Organizations

(1) The responsible ministry is the Ministry of Local Government, Rural Development and Cooperatives (LGRD&C).

(2) The implementing organization is the Dhaka Water Supply and Sewerage Authority (DWASA).

3. Japan's Grant Aid Scheme

The Bangladesh side has understood the Japan's Grant Aid Scheme and the necessary general undertakings to be taken by the Bangladesh side as explained by the Team and described in Annex-7, Annex-8 and Annex-9 (Page 11-16).

4. Schedule of the Study

JICA will complete the final report in accordance with the confirmed items and send it to the Bangladesh side by the end of September 2006.

5. Environmental Clearance Certificate

Both sides confirmed that it was one of the indispensable conditions for implementing the Project on schedule to obtain the issuance of Environmental Clearance Certificate (ECC) by the end of August 2006.

6. Development Project Proposal

Both sides confirmed that it was one of the indispensable conditions for implementing the Project on schedule to obtain the approval of Development Project Proposal (DPP) by the end of October 2006.

7. Other Relevant Issues

7-1. Both sides have agreed that the plan of the components of Japanese grant aid for the Project are as follows and described in Annex-1 (Page 4):

(1) Construction of the Expansion of Kallyanpur Pumping Station

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(2) Procurement of Sludge Removal Equipment for Drainage Zone H

- 7-2. The Bangladesh side will take the project implementation procedure properly, following the time table described in Annex-2 (Page 5).
- 7-3. Both sides have confirmed the items of undertakings and obligations of the Bangladesh side described in Annex-3 and 4 (Page 6-8).
- 7-4. Both sides have confirmed the necessary costs to be borne by the Bangladesh side described in Annex-5 (Page 9). The Bangladesh side has agreed to secure their budgets for the Project.
- 7-5. Both sides have confirmed that the sludge removal works for Drainage Zone C shall be implemented by local budget independently.
Both sides have confirmed that the equipment to be procured will be effectively utilized for sludge removal works for Drainage Zone C without interferences of works for Drainage Zone H.
- 7-6. Both sides have agreed that it is essential to secure the regulating pond for assurance of the effectiveness of Kallyanpur Pumping Station. DWASA shall acquire the land for the required regulating pond of about 1.0km² in collaboration with other agencies concerned by June 2007.
- 7-7. Both sides have confirmed that Bangladesh side would construct/procure any pump facilities and equipment for Drainage Zone H by his own budget when the additional pump capacity is further required.
- 7-8. Both sides have confirmed that it is significant for the construction of the additional Kallyanpur Pumping Station and sludge removal works to consider the environmental issues in Drainage Zone H. Both sides have agreed to consider the mitigation and abatement measures during the construction of additional Kallyanpur Pumping Station described in Annex-6 (Page 10).

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Project Components under the Japanese Grant Aid

Item No.	Component	GOJ Grant Aid
1.	Construction of Drainage Facilities	Drainage Zone H
1.1	Expansion of Kallyanpur Pumping Station	1 Structure
	Capacity	10 m ³ /s
	Pump Diameter	1,500 mm
	Number of Pumps	2 units
1.2	Improvement of Existing Pumping Station	
	Turbulent Prevention Concrete Panel	1 set
2.	Procurement of Sludge Removal Equipment	Drainage Zone H
2.1	Sludge Transportation Truck with Crane	1 unit
2.2	Sludge Transportation Truck	3 units
2.4	High Water Jetting Machine	1 unit
2.5	Sludge Vacuum Loader	1 unit

Spare parts for the mechanical equipment of the additional pumps shall include replacement parts (underwater bearings, sleeves, boost meters, motor bearings) and consumable parts (packing and gaskets, lubricating grease). Their quantities shall be the minimum required (1 set for 1 pump unit).

The necessary replacement parts for the electrical equipment of the additional pumps (fuses and indication lamps), the minimum required spare parts is to be supplied.

Spare parts for sludge removal equipment shall include consumable parts (V-belt, ball valves, inner kit, packing, hose, filters, universal joint, spare tires, maintenance kits for High Water Jetting Machine & Sludge Vacuum Loader and spare tires, maintenance kits for Sludge Transportation Truck with Crane & Sludge Transportation Truck).

As for the spare parts of the existing pump equipment as well as the spare parts to be supplemented in future for the additional pump equipment, the spare parts should be purchased through self-help effort of the Bangladesh side.

Undertakings of Bangladesh for the Project

General Requirements

- (a) To provide all data and information necessary for the Project.
- (b) To ensure prompt unloading and customs clearance at the port of disembarkation in Bangladesh and internal transportation of the equipment procured under the Grant Aid.
- (c) To exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which may be imposed in Bangladesh with respect to the supply of products and services under the project.
- (d) To arrange the acquisition of visa and other formalities that may be necessary for the entry of Japanese nationals into Bangladesh and stay therein for the performance of the work.
- (e) To maintain and use the equipment properly and effectively with suitable number of staff assigned for the operation and maintenance and to bear all expenses other than those covered under the Grant Aid.
- (f) To procure required spare parts for maintenance timely and sufficiently.
- (g) To use the equipment exclusively for the Project and it shall not be re-exported from Bangladesh.
- (h) To bear the advising commission of the Authorization to Pay (A/P) and payment commission to the Japanese bank for banking services based upon the Banking Arrangement (B/A).

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Undertakings of Bangladesh for the Project

Specific Requirements

- (a) To submit a copy of the Environmental Clearance Certificate (ECC) for the Project to the JICA Bangladesh Office by the end of August 2006.
- (b) To take due procedures at its own expense so as to accord all the necessary permissions, approvals, licenses, admissions or any other authorizations required in connection with the construction and the procurement of equipment.
- (c) To clear obstructions such as trees, fences, etc., in the Kallyanpur Pumping Station before the commencement of construction.
- (d) To provide and make available, at no cost, the vacant upland lot at the south-side adjacent to the Pumping Station as a temporary construction yard (approximately $A = 40m \times 35m = 1,400m^2$) during the construction period.
- (e) To provide and make available, at no cost, a space at the existing administration building in the Kallyanpur Pumping Station to be used as the Client and Consultant's Office for the construction supervision services on the new pumping station.
- (f) To provide and make available, at no cost, a disposal area in the north-side adjacent to the Pumping Station for surplus soil during the construction period.
- (g) To rehabilitate prior to the commencement of construction work the West Bypass Road being used by the Bangladesh side as an access road to the pumping station, for the smooth transportation of construction materials and equipment, because some portions of the asphalt pavement have been damaged.
- (h) To prepare and make available additional funds for operation and maintenance cost after the completion of the new pumping station and sludge removal works for Drainage Zone H as shown in Annex-5 (Page 9).
- (i) To negotiate with the Dhaka Electric Supply Authority (DESA) regarding the necessary rehabilitation of DESA's electric pole/s to ensure uninterrupted power supply.
- (j) To prepare and make 6 operators for sludge removal equipment, available a suitable warehouse, garage or parking space with roof and car-wash facilities at the Lalmatia Office, at least, before the shipment of procured equipment and facilities.



- (k) To obtain permission from the Dhaka City Corporation (DCC) for the dumping of sludge and sediment dredged from Mirpur Khal of 1.7km long and the drainage pipes of about 60km long in Drainage Zone H to the proposed Matuail and Mirpur dumping sites.
- (l) To prepare and make available the budget for CDST of the Project due to the procurement of equipment and consumables from abroad, which may be subject to taxes and customs duties upon arrival in Bangladesh.
- (m) To prepare and approve the DPP of the Project by the end of October 2006.



Scope of Work for Bangladesh and Its Cost

Item	Details	Cost (million Taka)	
Cost for the project implementation	(1) Clearing of construction site for the New Kallyanpur Pumping Station	0.5	281.5
	(2) Provision of car park with roof for procured equipment and vehicles in Lamlatia Office	1.0	
	(3) Local Taxes and Duties (CDVAT)	270	
	(4) Commission Fees for Banking Arrangement (B/A) and Authorization to Pay (A/P)	10	
Sludge Removal Works in Drainage Zone H (for 3 years)	(1) Fuel Cost for Sludge Removal Equipment & Facilities	2.8	13.8
	(2) Maintenance and Repair Cost of Sludge Removal Equipment & Facilities	0.8	
	(3) Salary of Operator (Permanent Employee) for Sludge Removal Equipment & Facilities	2.1	
	(4) Wage of Laborer (Temporary Employee) for Sludge Removal Works	5.4	
	(5) Rental Cost of Sludge Removal Equipment for Mirpur Khal (Wheel Type Shovel Car)	2.7	
Total		295.3	

Expected Annual Cost Increase for O&M of Kallyanpur Pumping Station

Item	Detail	Annual Cost (million TK)	
Additional O&M Cost of Kallyanpur Pumping Station	Additional Electrical Charges for the New Kallyanpur Pumping Station	1.0	1.3
	Additional Maintenance Cost of Kallyanpur Pumping Station	0.3	
O&M Cost of Sludge Removal Equipment (after the Project)	Fuel Cost for Sludge Removal Equipment & Facilities	0.9	1.9
	Maintenance and Repair Cost of Sludge Removal Equipment & Facilities	0.3	
	Salary of Operator	0.7	
Total		3.2	

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