

Government of the People's Republic of Bangladesh  
**Department of Environment**  
www.doe-bd.org  
Head Office, Paribesh Bhaban  
E-16 Agargaon, Dhaka-1207

Memo No: DOE/Clearance/5034/2011/767

Date: 11/07/2011

**Subject: Environmental Clearance for Dhaka Urban Transport Network Development Project, Phase-II (MRT Line-6).**

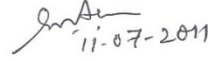
Ref: Your application on 16/06/2011.

**Dear Sir,**

Please refer to your letter of 16<sup>th</sup> June 2011 on the captioned subject, I have the pleasure to convey the approval of Environmental Clearance for Dhaka Urban Transport Network Development Project, Phase-II (MRT Line-6) from Uttara Third Phase-Pallabi-Mirpur 10-Farmgate-Sonargaon-National Museum-TSC-Doel Chattar-Press Club-Bangladesh Bank.

A copy of the said Environmental Clearance Certificate is attached herewith for your kind information and necessary action at your end.

Yours Sincerely,



11-07-2011

**(Syed Nazmul Ahsan)**  
Deputy Director (Environmental Clearance)  
and  
Member-Secretary  
Environmental Clearance Committee

✓ **Executive Director**  
Dhaka Urban Transport Network Development Project, Phase-II (MRT Line-6)  
Dhaka Transport Coordination Board (DTCB)  
13-14th Floor, Nagar Bhaban, Fulbaria, Dhaka-1000

**Copy Forwarded to :**

- 1) The Secretary, Ministry of Environment and Forests, Bangladesh Secretariat, Dhaka.
- 2) Director, Department of Environment, Dhaka Division, Dhaka.
- 3) Assistant Director, Office of the Director General, Department of Environment, Head Office, Dhaka.

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**Department of Environment**  
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### **Environmental Clearance Certificate**

Section 12 of the Environment Conservation Act, 1995 (Amended 2010)

**Clearance Certificate Number:** 767

**File number:** DOE/Clearance/5034/2011

**Clearance Certificate Issue Date:** 11 July 2011

**Renewal date not later than:** 10 July 2012

#### **A. Clearance Certificate Type**

Environmental Clearance Certificate

#### **B. Clearance Certificate Holder**

##### **Executive Director**

Dhaka Urban Transport Network Development Project, Phase-II (MRT Line-6)  
Dhaka Transport Coordination Board (DTCB)  
13-14th Floor, Nagar Bhaban, Fulbaria, Dhaka-1000.

#### **C. Premises to which this Clearance Certificate Applies**

##### **Executive Director**

Dhaka Urban Transport Network Development Project, Phase-II (MRT Line-6)  
Dhaka Transport Coordination Board (DTCB)  
13-14th Floor, Nagar Bhaban, Fulbaria, Dhaka-1000.

#### **D. Activities for which this Clearance Certificate Authorizes and Regulates**

- Construction of 21.5 km long at-grade and elevated railway system from Uttara Third Phase-Pallabi-Mirpur 10-Farmgate-Sonargaon-National Museum-TSC-Doel Chattar-Press Club-Bangladesh Bank and utility crossings (Gas Transmission Line, Electric Transmission Line, Telecommunication Line, etc.)
- Construction of one Rail Depot at Uttara including Facilities.
- Construction of 18 elevated stations including platforms, Escalator, Elevator, Ticketing Systems, Toilet and Wash Room, Prayer Room and other Facilities.
- Transportation and stockpiling of construction materials such as cement, sand, aggregates, ballasts, rails and others during construction.
- Boring or driving of piles for foundation, transportation of heavy pre-cast sections, use of high capacity crane and fabrications of steel members at site.
- Extensive welding activity using gas or electric arc.
- Procurement and assembling of rolling stocks.



## **E. Terms and Conditions for Environmental Clearance Certificate**

1. **Limit Condition for Discharges to Air and Water:** The Environmental Clearance Certificate must comply with schedule 2 and 10, rule 12 of the Environment Conservation Rules, 1997.
2. **Noise Limit:** The Environmental Clearance Certificate must comply with the Noise Pollution (Control) Rules, 2006.

In case of non-coverage of ECR 1997 the World Bank Environment, Health and Safety Guideline and JICA Guidelines for Environmental and Social Considerations, 2010 shall be adhered to.

### **3. Operating conditions:**

- 3.1 Activities must be carried out in a competent manner. This includes:
  - (a) the processing, handling, movement and storage of materials and substances used to carry out the activity; and
  - (b) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.
- 3.2 All plant and equipment installed at the premises or used in connection with the Environmental Clearance activity:
  - (a) must be maintained in a proper and efficient condition; and
  - (b) must be operated in a proper and efficient manner.
- 3.3 Construction works shall be carried out with proper traffic management and control to avoid/mitigate the disturbance of local lives as well as implementation schedules of the works shall be notified in advance to nearby residents.
- 3.4 Storage area for construction materials shall be carefully selected to avoid disturbance of the natural drainage. To avoid soil contamination at labour camp and work site chemical, cement and petroleum derivatives shall be handled cautiously.
- 3.5 This shall be ensured that soil is obtained from nearby areas, which are free of invasive plants. Re-vegetation and replanting shall be undertaken if rehabilitation works involve extensive vegetation clearance.
- 3.6 Proper and adequate sanitation facilities shall be ensured in labor camps throughout the proposed project period.
- 3.7 In order to control noise pollution, vehicles & equipment shall be maintained regularly; working during sensitive hours and locating machinery close to sensitive receptor shall be avoided.
- 3.8 No solid waste can be burnt in the project area. An environment friendly solid waste management should be in place during whole the period of the project in the field.
- 3.9 Full and adequate utilization of the system for mitigation of pollution and environmental damage as well as that for treatment of wastes shall be ensured.
- 3.10 Spent lubricating oil and oil filters shall be disposed off in environment friendly manner or can be sold to factories those have environmental Clearance Certificate from DOE.
- 3.11 Proper and adequate on-site precautionary measures and safety measures shall be ensured.
- 3.12 Any heritage sight, ecological critical area, and other environmentally and/or religious sensitive places shall be avoided during project construction phase.



- 3.13 Resettlement plan should be properly implemented and people should be adequately compensated, where necessary.
- 3.14 Construction material should be properly disposed off after the construction work is over.
- 3.15 Stringent control measures and procedures to be adopted to avoid traffic congestion during construction activities.
- 3.16 There should be provision of Elevator, Escalator, Tactile Road Tile, etc. in the stations for handicaps, disable and blind passengers.
- 3.17 Provision of traffic display panel, proper signs and announcement for the passengers shall be ensured.
- 3.18 A fully functional fire fighting equipment shall be kept on site through out the project period and at the stations during operation stage.
- 3.19 Proper counter measures shall be taken for controlling Noise pollution.
- 3.20 There should be proper environmental monitoring program and ensure proper implementation during construction of the project.
- 3.21 All the required mitigation measures suggested in the Environmental Management Plan (EMP) included in the EIA report along with the emergency response plan are to be strictly implemented and kept operative/functioning on a continuous basis.
- 3.22 Comprehensive Environmental Performance report, upon completion of the project shall have to be submitted to both the DOE Dhaka divisional office and head office describing actual intervention and rehabilitation at the project site.

#### **4. Monitoring and Recording conditions:**


- 4.1.1 The results of any monitoring required to be conducted by this Clearance Certificate must be recorded.
- 4.1.2 The following records must be kept in respect of any samples required to be collected for the purposes of this Clearance Certificate:
  - (a) the date(s) on which the sample was taken;
  - (b) the time(s) at which the sample was collected;
  - (c) the point at which the sample was taken; and
  - (d) the name of the person who collected the sample.

#### **4.2. Requirement to monitor concentration of pollutants discharged**

- 4.2.1 For each monitoring, the Clearance Certificate holder must monitor (by sampling and obtaining results by analysis) the following parameter: air quality, water quality and Noise.

**5. Reporting Conditions:** Environmental Monitoring Reports shall be made available simultaneously to Head quarters and respective Divisional office of the Department of Environment on a quarterly basis during the whole period of the project.

**6 Notification of environmental harm:** The Clearance Certificate holder or its employees must notify the Department of Environment of incidents causing or threatening material harm to the environment as soon as practicable after the person becomes aware of the incident.



#### **F. Recording of pollution complaints**

The certificate holder must keep a legible record of all complaints made to the certificate holder or any employee or agent of the certificate holder in relation to pollution arising from any activity to which this Environmental certificate applies. The record must include details of the following:

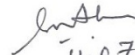
- (a) the date and time of the complaint;
- (b) the method by which the complaint was made;
- (c) any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect;
- (d) the nature of the complaint;
- (e) the action taken by the certificate holder in relation to the complaint, including any follow-up contact with the complainant; and
- (f) if no action was taken by the certificate holder, the reasons why no action was taken.

The record of a complaint must be kept for at least 4 years after the complaint was made. The record must be produced to any authorized officer of the DOE who asks to see them.

**G. Validity of the Clearance Certificate:** This Environmental Clearance is valid for one year from the date of issuance and the Project Authority shall apply for renewal to the Dhaka Divisional office of DOE with a copy to the Head Office at least 30 days ahead of expiry.

Violation of any of the above conditions shall render this clearance void.

This Environmental Clearance Certificate has been issued with the approval of the appropriate authority.

  
11.07.2011

**(Syed Nazmul Ahsan)**

Deputy Director (Environmental Clearance)

and

Member-Secretary

Environmental Clearance Committee