

No. 10 (03)/09-10/NMNH  
Government of India  
National Museum of Natural History  
(Ministry of Environment and Forests)

FICCI Museum Building,  
Barakhamba Road,  
New Delhi-110001.

To,  
M/s.....,  
.....,  
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Dated: 18<sup>th</sup> September'09.

**Subject: Award of contract for water proofing treatment on terrace including drainage system in this office.**  
Sir,

This office invites the tender for water proofing treatment over terrace including drainage system. The details specification as a financial bid and technical bid along with terms and condition are given below.

**SPECIFICATION OF WORK/JOB**  
**(FINANCIAL BID)**

1. Removing/scraping old tar felt including cleaning the surfaces and disposal of unserviceable materials with in 50 m lead including dumping at approved dumping site with mechanical transport..
2. Grading roof for water proofing treatment with
  - 2.1. Cement concrete 1:2:4 (1 cement: 4 coarse sand: 4 graded stone aggregate 20 mm nominal size. or
  - 2.2. Cement mortar 1:4 ( 1 Cement : 4 coarse sand) or
  - 2.3. 20 mm cement plaster of mix : 1:4 (1 cement : 4 coarse sand)
  - 2.4. Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer 3mm thick water proofing membrane, black finished reinforced with non-woven polyester matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 ltr/sum. by the same membrane manufacture of density at 25°C, 0.87-0.89 kg/ltr and viscosity 70-160 cps. Over the primer coat the layer of membrane shall be laid using Butane Torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under: Joint strength in longitudinal and transverse direction at 23°C as 650/450N/5cm. Tear strength in longitudinal and transverse direction as 300/250N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorized applicator of the manufacturer of membrane.

2.5 3 mm thick

3. To make proper drainage system over terrace
4. Providing and laying crazy the flooring with broken glazed tiles, laid over existing water proofing treatment APP/felt type with hot bitumen @ 1.70 kg/sqm (1.4 kg of bitumen joints with cement mortar 1:2 (1 cement : 2 stone dust) using cement 4.90 kg/sqm with Armocrete or equivalent as per manufacture recommendations complete as per direction of Engineer-in-charge.

Approximate Area 750.00 SQM

*Note: Rate should be quoted per sq. Meter and valid for one year from the date of the awarded of job order.*

*Guarantee: Guarantee should be mentioned on tender and shall be submitted Guarantee Bond as per CPWD rules.*

#### **TECHNICAL BID**

1. The Contractor should have the following documents attached with the quotation::
  - (a) Copy of the Registration certificate/experience as a proof of reputed contractor for such type of job.
  - (b) Proof of PAN.
  - (c) Experience certificates for waterproofing works.

#### **TERMS AND CONDITION**

1. The firm should be preferably on the approved list of CPWD contractor.
2. The Quotation should be given on firm's letter head giving address, telephone number, Pan Number etc.
3. The firm should also furnish earnest money deposit amounting of Rs. 8,000/- ( Rupees Eight Thousand Only) in form of DD/Pay order in favour of P&AO, Ministry of Environment & Forests, New Delhi along with quotation. The amount of the earnest money deposit will be released to unsuccessful firms after the finalization of the contract.
4. No advance payment will be made. The approved contractor shall submit their bill (in triplicate) on completion of awarded job and payment will be made within three or four week after compilation of work/submission of bill.

5. The contract can be terminated by this office at any time without assigning any reason, if the work of the contractor is not found satisfaction. In this connection, the decision of Director/NMNH shall be final and binding on the contractor.

6. The firm should be submitted security deposit of five per cent of the total value of the contract with in 10 days from the date of acceptance of job order. The security deposit shall be in the form of DD/Pay order/Fix deposit receipt/Bank Guarantee in favour of P& AO, Ministry of Environment & Forests, New Delhi. The Security Deposit will be refundable only after the satisfactory completions of work. No interest will be paid on the security deposit. **In case the awarded firm withdraws its contract prior to its completion under any circumstance then security deposit will be forfeited.**

7. This department has the right to forfeit the security deposit in full or in part in the event of failure on the part of contractor to fulfill the terms and conditions of the contractor.

8. The contractor or his authorized representative could be present at the times of opening of quotation, if they so desire.

10. It should be ensured by the firm that the work should be done as per specification; in case any discrepancy will later on found then penalty will impose on the firm as decide by the Director/NMNH under his discretion power.

Quotations should be in proper sealed cover superscripted as **“Bid for water proofing treatment over terrace including proper drainage system in NMNH”**. This cover should contain two separate sealed envelopes one containing Technical Bid along with relevant documents and superscribed as **“Technical Bid” water proofing treatment over terrace including proper drainage system in THE NATIONAL MUSEUM OF NATURAL HISTORY**” while the other sealed envelope should contain Financial Bid superscribed as **“Financial Bid” for water proofing treatment over terrace including proper drainage system in THE NATIONAL MUSEUM OF NATURAL HISTORY**”. The quotation should be addressed to **Smt. Naaz Rizvi, Scientist C, NMNH, Ministry of Environment and Forests, FICCI Museum Building, Barakhamba Road, New Delhi** so as to reach her latest by 2.00 P.M. on **,05 October’ 2009** by post/by hand. The tender will be opened on the same day at 4.00 PM.

Yours faithfully,

(Smt. Naaz Rizvi)  
Scientist C & Head of Office

