



Department of Aerospace Engineering  
Indian Institute of Technology Madras  
Chennai – 600 036, India

Dr. SUNETRA SARKAR  
PROJECT COORDINATOR

Ref : ASE/Tender/2018-19/SS/Surface-water-tunnel

Dated : 18.01.2019

**Due date: 08.02.2019**

Dear Sir,

1. Quotations are invited in duplicate for the various items **shown below**/overleaf/enclosed list.
2. The quotations are to be in **two parts as Technical Offer and as Commercial offer**  
The two parts of the offer are to be clearly marked on the envelopes. The two parts of the offer in separate envelopes must be enclosed in the one bigger envelope duly sealed and super scribed with reference number and due date and must be addressed to the undersigned so as to reach him on or before the due date stipulated above.
3. The quotations duly sealed and super scribed on the envelope with reference no. and due date, should be addressed to the undersigned so as to reach him or before the **due date** stipulated above.
4. Quotations should be valid for 60 days from the due date and period of delivery be indicated.
5. Local firms to quote for free delivery to this Institute. If quoted for Ex-Godown delivery charges are indicated separately.
6. Relevant literature pertaining to the items quoted with full specifications.
7. Sales Tax/General Taxes/ED if applicable and such other taxes legally legible and intended to be claimed should be distinctly shown along with the price quoted. If this is not indicated no such claim will be admitted at any stage. The taxes legible should take into consideration that we are entitled to have concessional Sales Tax applicable to Non-Government Educational Institutions run with no profit motive for which a concession is given. Sales Tax Certificate will be issued at the time of final settlement of the bill.
8. Goods should be supplied carriage paid and insured.
9. Goods shall not be supplied without an official supply order.
10. Every effort will be made to make payment within 30 days from the date of bill/acceptance of goods whichever is later.
11. The Guarantee period of the item may be indicated clearly.
12. In case of LC. Payment 90% of the payment will be made after completion of the supply. The balance 10% of the payment will be made after satisfactory installation of the equipment.
13. IIT Madras is exempt from payment of Excise Duty, GST and is eligible for concessional rate of custom duty. Necessary certificate will be issued on demand. IIT Madras will make necessary arrangements for the clearance of imported goods at the Airport/Seaport. Hence the price should not include the above charges.
14. **Acceptance and Rejection-** I.I.T. Madras has the right to accept the whole or any part of the Tender or portion of the quantity offered or rejects it in full without assigning any reason.
15. **Fax and Email quotations are not acceptable.**

Yours faithfully,

Dr. SUNETRA SARKAR  
PROJECT COORDINATOR

Items required: **OPEN SURFACE WATER TUNNEL** as per specifications enclosed.

## **SPECIFICATION OPEN SURFACE WATER TUNNEL**

Open surface water tunnel must be made out of stainless steel 304 grade or more.

- 1) Consisting of Entry section with perfected cylindrical plenum
- 2) Hexagonal Honey Comb L/D: 8 removable type
- 3) Removable mesh or screens
- 4) Contraction Section 5:1
- 5) Test section 250mm (W) X 500mm (H) X 750mm (L) with tempered/ toughened clear glass 3 side and top with acrylic sheet.
- 6) Maximum speed 10mm/s to 600mm/s
- 7) Discharge Section
- 8) Inlet port with water filtration system
- 9) Outlet port
- 10) Pump or motor with variable frequency drive to get the required speed in the test section
- 11) M.S. Stand to support the tunnel
- 12) Removable cover made out of Steel/Alluminium
- 13) Area available 15 ft x 9ft

### **EXPERIENCE:**

The vendor should have experience in designing, fabrication and commissioning of wind tunnel, water tunnel of various types of custom made research quality tunnels at least 15 years minimum. The vendor must have supplied to IIT's, IISc, NAL, ISRO and other reputed Institutes and research organisation (Detail to be provided with PO Copies)

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