

INDIAN INSTITUTE OF TECHNOLOGY  
DEPARTMENT OF CIVIL ENGINEERING  
Sub: Quotation for Experimental Setup

Reference: **IITK/CE/HWRE/GP/2020/01**

Date: 01.12.2020

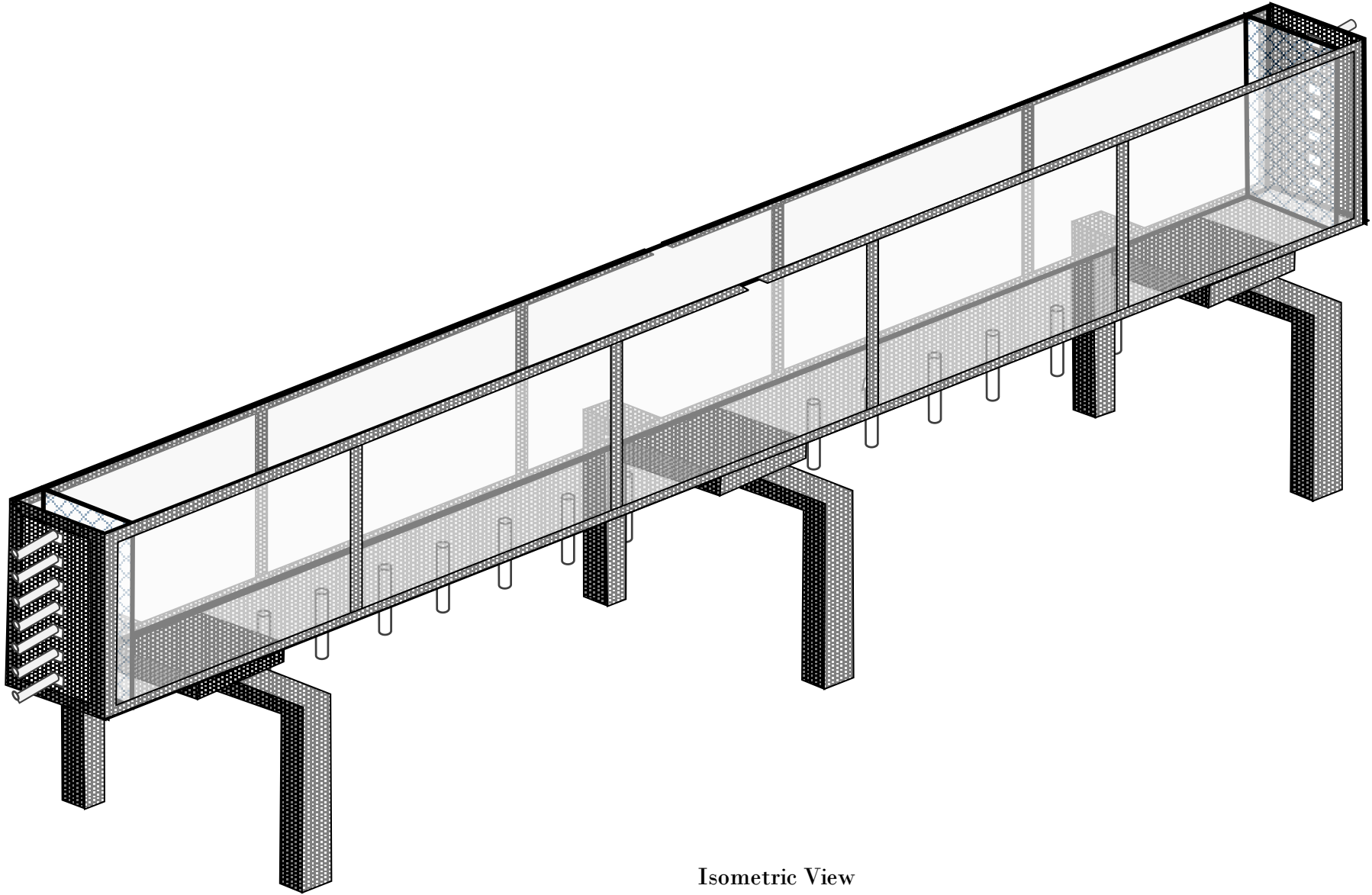
Sealed quotations are invited for a hydraulic flume with the following specifications:

1. A 5 m×1 m×0.2 m flume supported by screw jack supports (preferably 3) at regular intervals with a provision of vertical motion in all of them.
2. Slope adjustment by two of the three jacks with a slope of 3%.
3. The bed material of the flume must be Stainless steel (Type 304).
4. Holes of 0.01m diameter to be provided at 30cm c/c spacing with a provision for valves.
5. 1 m× 1 m highly transparent *glass* frames should be provided on both faces of the flume with a steel frame.
6. The ends of the flume shall be made of the same Stainless steel.
7. 1/4<sup>th</sup> of the flume will be filled up with sand (density 2600 kg/m<sup>3</sup>). The flume must be sturdy enough to carry extra weight.
8. Piezometer tubing in the bottom holes as described in 4. There should provision of closing the holes while not in use.
9. Vertical grooves for installing gates should be provided at 1m distance throughout the flume.
10. Rails for point gauges should be provided along the longitudinal direction.
11. Wire meshes should be provided 0.1 m away from both the ends.
12. The set-up must be water tight.
13. The detailed drawings of the flume are attached.

**Terms & Conditions:**

1. All quotation must reach the undersigned by December 15, 2020.
2. Validity of quotation should be at least for 60 days.
3. Cost of the item with technical specification in detail.
4. Educational discount applicable, considering end use for research and teaching.
5. Prices should be quoted on the basis of delivery to IIT Kanpur.
6. Delivery must be within 02 months.
7. Payment Terms: 90% on delivery of the items and remaining 10% after satisfactory installation/inspection.
8. GST: IIT Kanpur is entitled to 5% GST. Appropriate exemption certificates will be provided at the time of issuing the purchase order.
9. The IIT Kanpur authority reserves all the rights to cancel the tender at any stage without any clarification.

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Isometric View

