

# Indian Institute of Technology, Kanpur

## National Wind Tunnel Facility

**Inquiry no: IITK/NWTF/2022/08, October 11, 2022**

**Date of Closing: October 21, 2022**

**Subject: Quotation for Fabrication of pedestrian bridge scale down model using additive manufacturing**

With reference to the above mentioned subject you are invited to submit the quotation to reach us before the closing date in a sealed cover to the address mentioned below. To get the details on the bridge model and for any other queries please send a request to Mr. Sharad Saxena at [saxenas@iitk.ac.in](mailto:saxenas@iitk.ac.in). The Bid should contain the detailed technical specifications of the model to be fabricated. It should specification and methodology to be followed. The Bid should also contain the detailed cost of fabrication including the taxes, service charges if any, shipping and handling charges.

### **Terms and Conditions**

1. Bridge scale down model have to be fabricated in all respects with required inspections. The method to fabrication should be through additive manufacturing.
2. Material: AlSi10Mg
3. Acceptable Tolerances:
  - a. span: +/- 2mm
  - b. Contour profilarity: +/- 1mm
  - c. Surface roughness should be less than 100micron.
  - d. Deviation after welding should not be more than 8mm
4. Model will be accepted only after demonstration of its dimensional accuracy.
5. A detailed report has to be submitted on the dimensional accuracy and overall integrity of the fabricated model based on 3d scanning/CMM inspection.
6. Validity of the quotation should be at least 90 days.
7. The payment will be released after acceptance of the model in all respect.

The seal quotation should reach to:

**The coordinator**

**National Wind Tunnel Facility (NWTF)**

**Indian Institute of Technology Kanpur**

**Kanpur, UP- 208016**