Government of India
Bhabha Atomic Research Centre
Nuclear Recycle Group
Process Development Division

Ref: PSDD/MF/TM/2020/06A/35016

Date: 19/8/2020

Sub: Fabrication, calibration and supply of hot wire anemometer (1 no.) with articulating probe for measurement of air velocity as per the attached technical specification without any free issue material.

Dear,

You are requested to submit your quotation in sealed envelope for the above mentioned job. The material should confirm to our specifications. The reference no. given above should be clearly mentioned on the sealed envelope.

Due consideration shall be given to the following aspects while you submit your offer:

1. Quotation is to be in printed letter head/quotation format which should consist of GSTN, PAN Number of the firm etc.
2. Quotation shall be complete in all respects with regard to specifications, validity of offer etc.
3. Break of cost may be provided as:

<table>
<thead>
<tr>
<th>Sr. no.</th>
<th>Item</th>
<th>Qty.</th>
<th>Unit</th>
<th>Rate</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Hot wire Anemometer</td>
<td>1</td>
<td>No.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Other charges</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

4. NIT will be issued to eligible tenderers from 24 | 08 | 2020 to 07 | 09 | 2020
5. Sealed quotation shall reach the following address on or before 14 | 09 | 2020 by 14:00 hr.

Trushit Makwana
SO/E, PSDD,
Room no. 204, CDCFT, WIP Complex,
BARC, Trombay, Mumbai-400 085
Tel: 022-25591392

6. Taxes, duties and other charges applicable, if any, shall be indicated separately.
7. Quotation shall be sent by speed post.
8. The work shall be completed within three calendar months from issue of work order.
9. The offer shall be valid for a period of thirty days and in case of placement of the work order, shall remain firm till the completion of the work.
10. The contractor may visit the site to fully understand the scope of the work.

Trushit Makwana
SO/E

5/08/2020
Technical Specification

Hot Wire Anemometer: 1 No.

A. Velocity:
   a. Range : 0 - 30 m/s
   b. Accuracy : ±3% of reading or ±0.015 m/s
   c. Resolution : 0.01 m/s
   d. Duct Size : 1 - 635 cm in increments of 0.1 cm
   e. Volumetric flow rate calculation as a function of velocity and duct size

B. Temperature:
   a. Range : 0 to 60°C or better
   b. Accuracy : ±0.3°C
   c. Resolution : 0.1°C

C. Instrument Detail:
   a. Operating temperature : 5 - 45°C or better
   b. Data storage range : > 10000 samples and 100 test ID
   c. Data logging interval : 1 second - 1 hour
   d. Time constant : User selectable
   e. Meter weight with batteries : < 500g
   f. Power requirements : Four AA-size batteries
   g. Auto temperature compensation

D. Articulating Probe Detail:
   a. Length : ~100 cm
   b. Tip dia. : ~7.0 mm
   c. Base dia. : ~13.0 mm
   d. Articulating section length : ~20 cm
   e. Articulating knuckle dia. : ~10 mm

E. Documents:
   a. Operating manual
   b. Calibration certificate

Trushit Makwana
SO/E, PSDD