

**Government of India  
Bhabha Atomic Research Centre  
Technical Physics Division  
Mumbai-400 085**

Purnima Labs  
Date: 04/08/2017

**Ref: TPD/NXPS/MF/NKR/124  
Due Date: 21/08/2017**

**Sub: Calibration of Radiation Monitoring Instruments**

Dear Sir,

1. Quotation is invited for calibration of radiation monitoring Instruments as per specifications attached herewith.
2. Bidder shall quote for calibration of the instruments. Taxes shall be quoted separately.
3. The quotation must reach, Head, Technical Physics Division on or before the due date and must be sent in a sealed envelope superscribed with the above reference number and due date given above through **speed post of India postal services.**
4. The address on the envelope should read:

The Head, Technical Physics Division  
Bhabha Atomic Research Centre  
Purnima Labs., Trombay, Mumbai 400085.  
**Attn: Mr. Nirmal Kumar Ray**

5. The bidder shall have to take an insurance policy against any material issued to him by the purchaser as free issue material.
6. The calibration work shall be subject to inspection by our representative. The finished components shall not be dispatched prior to approval by our representative at the bidder's works. Necessary inspection facilities should be provided to our engineers during fabrication at bidder's premises.
7. The bidder shall deliver and install the finished components after approval by our representative, within stipulated delivery time from the date of the firm purchase order issued to the bidder. The finished components and the scrap from the free issue material shall be delivered by the bidder at Purnima Laboratory, Technical Physics Division, B.A.R.C., Trombay, Mumbai 400085.
8. Head, Technical Physics Division, BARC, reserves the right to accept/reject any or all quotations without assigning any reason.
9. Detailed drawing if required will be made available after issue of order.
10. Bidder must provide PAN & GST number in the quotation.

(Nirmal Kumar Ray)  
SO /D  
Technical Physics Division  
For and on behalf of President of India

## **General Specifications**

### 1.0. Quality surveillance, inspection and inspection report:

1.1. All work covered by the specification shall be subject to quality surveillance by the purchaser or his authorized representative for which purpose the fabricator shall allow access at all reasonable times during manufacture to:

1.1.1 the premises in which the work is being carried out;

1.1.2 the drawings and/or tooling involved

1.1.3 gauges, inspection instruments etc. required for inspecting the work.

1.2. Inspection and tests shall be carried out by the fabricator as per the requirements detailed in the drawings and these specifications.

1.3. The fabricator shall submit three copies of inspection reports to the purchaser for approval.

1.4. Components found unsatisfactory as to workmanship or material shall be removed by fabricator and replaced by components which are satisfactory.

1.5. Fabricator shall use materials as specified by the purchaser and submit to the purchaser, the material test certificate for approval.

1.6. The finished components shall not be dispatched prior to approval by our engineer at bidder's works.

### 2.0. Delivery

2.1 The bidder shall deliver the finished components after approval by our engineer within the delivery period mentioned in the firm purchase order issued to the bidder.

### 3.0 Sub contract

The fabricator shall not sub-contract any or all the work without written consent from the purchaser. The fabricator shall be responsible to the purchaser for all work of the subcontractor of the fabricator, if allowed by the purchaser.

### 4.0 Tax

4.1 Except GST@ 18 % no other taxes are payable.

4.2 Income tax @ 2% will be deducted from bill amount.

4.3 The tax would be deducted @1 % of the payment made to the supplier (the deductee) of taxable goods or services or both, where the total value of such supply, under a contract, exceeds two lakh fifty thousand rupees (excluding the amount of Central tax, State tax, Union Territory tax, Integrated tax and cess indicated in the invoice).

## Specifications of Radiation Monitors

### 1. Teletector -1 No.

Model : 6150 AD-t (Automation & Messtechnik, GmbH make)  
Radiations detected : Beta, Gamma & X-ray  
Measuring range : 0.01  $\mu$ Sv/hr – 9.99 Sv/hr  
Detector type : GM detector  
Energy dependence : 65 KeV- 3 MeV  
Input power : 9 V battery operated

### 2. Gamma survey meter – 2 Nos.

Model : GM401 (Synergy Intellution Pvt. Ltd.)  
Radiations detected : Gamma  
Measuring range : 1  $\mu$ Sv/hr – 10 Sv/hr  
Detector type : GM detector  
Energy dependence : 50 KeV- 10 MeV  
Input power : 230 VAC, 50 Hz

#### Note:

1. Company should provide a full calibration report to TPD, BARC.
2. Company should make arrangement for transport from north gate, BARC and insurance for all radiation monitors.