

**TENDER NOTICE FOR EQUIPMENTS
CENTRE FOR RADIO ECOLOGY
GURU JAMBHESHWAR, UNIVERSITY OF SCIENCE & TECHNOLOGY,
HISAR**

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**GURU JAMBHESHWAR UNIVERSITY OF SCIENCE & TECHNOLOGY,
HISAR-125001, Haryana**

TENDER NOTICE

Sealed tenders are invited from reputed manufacturers/suppliers for the supply of following equipments/ materials required for the following departments:-

Sr. No.	Name of the Department	Equipments /Items to be purchased
1.	Centre for Radio Ecology	Portable Radon-Thoron Monitor with Accessories 1 Scintillation based Radon –Thoron monitor -01 nos. 2 Randon Mass Exhalation Chamber- 01 nos. 3 Radon Accumulator-01 nos. 4 Thoron Accumulator- 1+1 nos. 5 Soil Prob (1.2m Length)-01 nos. 6 Water Bubbler Kit- 01 nos.

The detailed specifications and tender document can be obtained from the Centre for Radio Ecology on payment of Rs. 300/- per tender document or may be downloaded from the university website www.gjust.ac.in for which a demand draft of Rs. 300/- per tender document drawn in favour of the Registrar, GJUS&T and payable at Hisar is to be submitted with technical bid itself.

The tender complete in all respect must reach the **Incharge, Centre for Radio Ecology** on or before **07-08-2017** by **3:00 p.m.** where after no tender document will be accepted. The Technical bid will be opened on **07-08-2017 at 3:30 p.m.** in the committee room, Vice-Chancellor's Office of the university. The bidders/representative may remain present at the time of opening of tenders at their own cost.

**HISAR
DATED ;**

REGISTRAR

**GURU JAMBHESHWAR UNIVERSITY OF SCIENCE & TECHNOLOGY,
HISAR-125001**

Tender For Supply of Equipment(s)/ Materials

To

Subject: Invitation for tender for supply of equipments/ Materials.

Dear Sir (s),

You are invited to submit your most competitive tender for the following equipment (s) with the following terms and conditions:-

A. SCHEDULE OF EVENTS :-

- | | | | |
|----|---|----|--|
| 1. | TENDER NO.* | :: | PR/2017 /----- - - |
| 2. | TENDER FLOATING DATE | :: | _____ |
| 3. | TENDER SUBMISSION CLOSING DATE & TIME : | | 07-08-2017 by 3:00 P.M. |
| 4. | TENDER OPENING DATE & TIME | :: | 07-08-2017 at 3:30 P.M. |
| 5. | VENUE FOR TENDER SUBMISSION & OPENING : | | |
| | | | Submission: Incharge, Centre for Radio Ecology, GJUST, Hisar
Opening: Committee Room, Vice Chancellor's Office, GJUST, Hisar. |
| 6. | PRE-BID CONFERENCE(IF ANY) | :: | Nil |
| | DATE, TIME AND VENUE | | NA |
| 7. | TENDER DOCUMENT COST | :: | Rs. 300/- |

* Tender number must be mentioned in all correspondence.

B. BRIEF DISCRPTIONOF TENDER DOCUMENT :-

This tender document consists of four parts namely:

- i) Brief description of the equipment name ;
- ii) Technical data sheet(technical specifications of the equipment) ;
- iii) General standard Terms and conditions ; and
- iv) Special Terms and conditions (If any).

1. Brief description of the equipment(s):-

It mentions the name of the equipment required and its quantity. The quantity is subject to increase and decrease, at the discretion of the indenter.

2. Technical data sheet (technical specifications of the equipment):-

It contains the technical details / specification of the equipment. It should be submitted in a separate sealed envelope marked as "Technical Bid". Bids having deviation in technical specification will be declared as "technically non-responsive" and it will not be considered for commercial evaluation.

3. Commercial Data Sheet:-

This format deals with the commercial aspect of the tender. The bidder should quote the basic/ex-works rate of goods and other over head charges only in his format.

4. General / standard Terms and conditions:-

This portion contains the general/standard terms and conditions of the tender and its compliance is essential, failing which the contract may be cancelled and bidder may be liable for penal action against it.

5. Special Terms and conditions:-

It contains special terms and condition which may be in addition to / in super-session of the referred “**General / Standard Terms and conditions**” and its compliance is also compulsory in the same manner, as in the case of the **General / Standard Terms and conditions**.

C. EQUIPMENT DETAILS :

i) Brief description of the equipment name :-

<u>Sr. No.</u>	<u>Name of Equipment(s)</u>	<u>Qty. Required</u>
Portable Radon-Thoron Monitor with Accessories		
1	Scintillation based Radon –Thoron monitor	01 nos.
2	Randon Mass Exhalation Chamber-	01 nos.
3	Radon Accumulator-	01 nos.
4	Thoron Accumulator-	1+1 nos.
5	Soil Prob (1.2m Length)-	01 nos.
6	Water Bubbler Kit-	01 nos.

ii) **Technical data sheet (Technical specifications of the equipment) :-**

Sr. No.	Description of the Equipment (s)	Technical Specifications
I	Portable Radon-Thoron Monitor with Accessories 1 Scintillation based Radon –Thoron monitor -01 nos. 2 Randon Mass Exhalation Chamber- 01 nos. 3 Radon Accumulator-01 nos. 4 Thoron Accumulator- 1+ 1 nos. 5 Soil Prob (1.2m Length)-01 nos. 6 Water Bubbler Kit- 01 nos.	ANNEXURE-I

D. GENERAL/ STANDARD TERMS AND CONDITIONS OF THE TENDER:-

1 TWO ENEVELOPE BID :-

The tender is to be submitted on two envelope bid pattern i.e. “**Technical bid**” and “**Price/commercial bid**” in separately sealed envelopes. Both of these envelopes should be put in and sealed in another envelope

addressed to **Incharge, Centre for Radio Ecology**, Guru Jambheshwar University of Science & Technology, Hisar-125001 (Haryana), India and super-scribed in bold as **“TENDER FOR SUPPLY OF ----- EQUIPMENT/ITEMS”**.

The “Technical bid” should mention only the technical details of the item/equipment. Price per unit be mentioned only in the **“Price/commercial bid format”**.

2. BID SIGNING:-

The Tender must be signed by authorized signatory of the bidding firm/company on each page, along with seal of the firm/company, as the case may be.

3. Conditional Bid:-

Conditional Bid is not acceptable. Hence, the supplier is advised neither to alter the specifications nor to mention anything on the Tender form, except cost, signature with seal, otherwise his Tender will not be considered.

4. Delivery Destination:-

The Tender should be quoted as FOR GJUS&T, Hisar. The transient insurance and freight charges etc, if any, needs to be mentioned separately of the basic/ ex- works price of the quoted item.

5. Delivery Acceptance:-

The delivery of the material will be handed over to the authorized official of the concerned indenting department/office, however, the goods will be deemed to accept subject to the approval of the inspection committee of GJUS&T. In case of rejection of the consignment, the supplier should immediately remove the consignment from the university premises failing which it will remain there at the risk and responsibility of the supplier and university will not be responsible for any kind of liability in this regard.

6. Delivery Period:-

The supply is to be made within 30 days of the date of dispatch of the supply order. However, in case of imported goods this time limit will be 60 days, instead of 30 days.

7. Delivery Period Extension:-

The supply order(s) shall be executed within the time specified in this regard. However, in case of Force Majure / reasons beyond control of the supplier, he may make a written request to the Vice-Chancellor for grant of extension for delivery period. The written request in this regard should clearly spelling out such reasons.

The Vice-Chancellor, if he is satisfied of such reasons and further that the requested extension will not be detrimental to the interests of the university, may grant extension for a reasonable period for delivery of the goods. The supplier would be required to indemnify the university against any loss on account of downfall of the price during the extended period.

8. Penalty for delayed supply:-

In the event of the delayed supply, if accepted, the Registrar will be competent to impose penalty @ 1% per day of the purchase order, provided that the entire amount of penalty shall not exceed 10% of the total amount of Purchase order. The supply will be deemed to be complete

on the day when 100 % supply is handed over to the indenter (in case of supply in installments) and its installation is done. An appeal against these orders shall, however, lie to the Vice-Chancellor whose decision shall be final.

9. EMD forfeiture:-

In case of the contractor backs out the supply, the earnest money deposited by him shall be forfeited. Apart from it, he will be liable for any other action against him, as may be considered necessary by the Vice-Chancellor.

10. Rejection of incomplete tenders;_

Incomplete Tender such as unsigned Tender, late submitted Tender, conditional tender, not confirming to the eligibility criteria and Technical specification or with any vague term such as 'Extra as applicable' will be considered as rejected.

11. Quantity Variation :-

The quantity shall be subject to increase or decrease as the case may be.

12. Manual/literature:-

The detailed literature/catalogue of the quoted instrument and its accessories should also be attached with the tender. The specifications claimed by the firm should be clearly mentioned in the literature/catalogue also. Its manual should also be supplied with the equipment.

13. Taxation:-

Taxes/Excise duty/Custom duty etc. should be quoted independent of the ex-works price of the item and it will be paid as applicable under Government rules, if so quoted by the Supplier in the tender, subject to the certificate in the bill of costs as follows. However, wherever exemption from duty (excise/custom duty) is applicable, the university will provide the exemption certificate, along with supply/purchase order itself.

In case of imported goods the custom clearance is to be arranged by the supplier at his own. Charges, if any, in this regard, however, need to be mentioned accordingly in the quote itself. University will provide necessary documents for this purpose. In case the quote is silent with regard to taxation and clearance charges etc, no such charges will be paid by the university.

14. Right to Bid rejection:-

The University reserves the right to reject any or all offers without assigning any reason.

15. Packaging of Consignment:-

The material should be packed in a strong case so as to avoid any damage, theft or pilferage in the transit, in which case the responsibility shall be that of the supplier.

16. Warranty :-

The warranty should not be less than 12 months from the date of installation of the equipment.

17. Performance Warranty :-

Before release of the payment, the successful bidders will be required to submit a performance warranty in form of bank guarantee equal to 10% of the purchase order for the warranty period of the Equipments.

In case of imported goods requiring opening of LC or advance copy of the draft, the bank guarantee on account of performance warranty, having validity for warranty period plus 4 months, should be submitted before issuance of the purchase order by the indenter. If required, its validity will be got suitably extended by the supplier before release of his EMD.

18. Payment :-

The payment will be made within 30 days of the successful installation and its inspection and further after the on-site training imparted, if it is the requirement of the tender document.

19. Currency:-

The rates are quoted in Indian Currency (I N R). However, in case of imported item it may be quoted in foreign currency where in the date of floating of tender will be taken as the conversion date for bid evaluation and comparison purpose

20. Earnest Money Deposit(EMD) :-

The earnest money of the amount, as per the slab given below, in the form of bank draft payable at Hisar and drawn in favour of the Registrar, Guru Jambheshwar University of Sc. & Tech. Hisar or a irrevocable bank guarantee, will be required to be remitted with the tenders. **EMD should be enclosed with Price bid and the same should be indicated in the Technical bid also.**

21. Arbitration :

In case of any dispute both the parties will be bounded by the decision of the Vice- Chancellor, GJUS&T, Hisar, as the arbitrator.

22. Jurisdiction :-

All disputes shall be subject to Hisar jurisdiction.

EMD Slab:-

<u>Sr. No.</u>	<u>Contract Value</u>	<u>Earnest Money</u>
1.	Rs. 300001 to 500000/-	Rs. 20000/-
2.	Rs. 500001 to 1000000/-	Rs. 40000/-
3.	Rs. 1000001 to 2000000/-	Rs. 70000/-
4.	Above Rs. 20 Lacs	Rs. 100000/-

The terms & conditions of tender have been read and I/We certify that I/We clearly understand the same and undertake for its compliance

Place: -----
Dated: -----

Signature of authorized representative of the bidding firm/company with seal.
(Affix Rubber Stamp of the firm)

GURU JAMBHESHWAR UNIVERSITY OF SCIENCE & TECHNOLOGY HISAR

TENDER NO & DATE: -----

**TECHNICAL SPECIFICATION / TECHNICAL DATA SHEET
OF THE EQUIPMENT/ITEM REQUIRED.**

Sr. No.	Name of Instruments and its technical specifications	Qty. Required
I.	<p>SPECIFICATIONS OF Scintillation based PORTABLE RADON-THORON MONITOR</p> <p>1. Detector type : ZnS : Ag scintillation detector</p> <p>2. Scintillation Volume : ~0.15 L</p> <p>3. Sensitivity : > 1 CPH/ (Bq/m³) for Radon : > 0.7CPH/(Bq/m³) for Thoron</p> <p>4. Sampling type : Both Diffusion and Flow with interchangeable sampler</p> <p>5. Sampling pump : Inbuilt noiseless pump with Auto/manual control of Power to pump</p> <p>6. Sampling Volume : 0.5 to 1 L/min</p> <p>7. Measured quantity and its measurement interval : Radon mode: User selectable 15/60 min Thoron mode: User selectable 15/30/60 min Alpha mode: User settable 1 to 999 min</p> <p>8. Response time for Radon : 95% of radon value is to be attained within an hour and thoron measurement 95% of Thoron value is to be attained within 5 minutes</p> <p>9. Minimum detection limit : 15Bq/m³ at 1σ and 1 h cycle for radon/thoron</p> <p>10. Upper detection limit : 10MBq/m³</p> <p>11. Thoron interference in radon : <5% with sniffing mode of sampling</p> <p>12. Display : LCD touch screen display indicating the current measurement process and also capable of displaying the past measurement with a on-screen key press during on-going measurement</p> <p>13. Date storage memory : Memory with storage capacity of at least 30,000 readings</p> <p>14. Data communication : 2 wire RS 485 data communication with USB data port at PC end</p> <p>15. Inbuilt sensor : Temperature and relative humidity sensor inside monitor</p> <p>16. Operating power : Internal DC Battery operated with backup up to 30 hr Continuous use with 110-240 V AC 50 Hz main supply</p> <p>17. Dimension and weight : Portable equipment having dimensions within 35 cm x 20 cm x 14 cm and weight less than 4 Kg</p> <p>18. Carrying case : Instrument carry case with sufficient cushioning for safe transport of equipment during field use</p> <p>19. Software : PC and software with following functions & features: RS485 based data communication with radon monitor, Display of current readings and trend from multiple units, Data downloading in online and offline mode, Long distance data communication range, Remote operation of radon monitor through software.</p>	01 Nos

	<p>Accessory name : Radon Mass exhalation chamber Used for: To measure radon mass exhalation rate (per unit mass)/thoron surface exhalation rate (per unit exposed surface area) from powder samples</p> <p>Internal dimensions: 100 mm Diameter X 50 mm height Volume: 0.4 Litre Sampling: Both diffusion and flow mode Lid sealing to chamber: Threaded Lid sealing to detector: Threaded compatible to SRM detector and flow mode sampling lid</p> <p>Material: Aluminium Flow mode sampler: Threaded disc with two 5 mm nozzles (or std. size)</p>	<p>01 Nos</p>
	<p>Accessory name : Radon accumulator Used for: To measure in situ radon flux (per unit area of ground surface) from ground</p> <p>Internal dimensions: 200 mm Diameter X 105 mm height Volume: 3 Litre Surface Area: 314 cm² Sampling: Both diffusion and flow mode Connection to detector: Threaded compatible to SRM detector Material: Aluminium double walled Flow mode sampler: Threaded disc with two 5 mm nozzles (or std. size)</p>	<p>01 Nos</p>
	<p>Accessory name : Water Bubbler Kit Used for: To measure radon/thoron dissolved in water/liquid sample (per unit liquid volume)</p> <p>Kit contents: Sampling bottles-10 Nos. Bubbler-2 Nos. 500 ml capacity syringe with 10 cm long nozzle-one No. packed in a hard carry case</p> <p>Sample capacity: 50 ml Head space volume: 50 ml Material: Borosilicate glass</p>	<p>01 Nos</p>
	<p>Accessory name : Soil probe Used for: To measure in-situ radon/thoron in pore space of soil</p> <p>Probe length: 1 meter Hammering tool: 500 gm hammer Sampling connector: 5 mm size nozzle-one No Probe handle: Detachable handle for removing the probe from ground Material: Hard Stainless Steel</p>	<p>01 Nos</p>
	<p>Accessory name : Thoron accumulator Used for: To measure in situ thoron flux (per unit area of surface)</p> <p>Internal dimensions: 60 mm Diameter X 40 mm height Volume: 100 ml approx. Surface area: 28 cm² Sampling: Flow mode by two nozzles attached on the chamber walls at 2 cm and 4 cm from bottom and opposite to each other</p> <p>Insertion depth mark: Marking at one cm height along perimeter for indicating insertion depth of accumulator in soil</p> <p>Material: Aluminium Sealing on surface: Soft gasket (removable) at edge for mounting on plane surface</p>	<p>01 Nos</p>

	Accessory name Used for Power Sampling Material: Pressure relief vent:	Thoron accumulator Radon anomaly detection by measuring in situ radon flux (per unit area of ground surface) from ground continuously. solar powered with battery back up Both diffusion and flow mode Stainless Steel 0.5inch size auto shut –off valve connection (2nos)	01 Nos
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HISAR
DATED:

SIGNATURE
Incharge,
Centre for Radio Ecology
(WITH OFFICE SEAL)

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BIDDER'S ACKNOWLEDGEMENT

I UNDERTAKE TO SUPPLY THE EQUIPMENTS / ITEM AS PER ABOVE
TECHNICAL SPECIFICATIONS

PLACE:
DATED :

(SIGN WITH SEAL OF THE BIDDER }

GURU JAMBHESHWAR UNIVERSITY OF SCIENCE & TECHNOLOGY, HISAR
Format of Tender – Price/commercial bid

TENDER NO & DATE: -----

A.BASIC/ EX -WORKS PRICE.

Sr. No	Brief Description of the Equipments	Specifications	Quantity	* Cost per Unit	* Total Cost

* SPECIFY CURRENCY

B Over Head Charge (Taxation etc.)

Sr.No	Nature of Overhead Charges(Tax/insurance/freight etc.)	Rate	Total amount (Rs)

Total A +B = Rs ----- (in words Rs.....)

We agree to supply the above Equipments/software in accordance with the above technical specifications for a total contract price referred as above , with in the period specified in the Invitation for Tender. We also confirm that the normal commercial warranty/guarantee of as per tender document shall apply to the offered Equipments/Software.

Signature of Supplier
 Correspondence address of the company
 With phone, Fax, and E-mail and
 Name & address of contact person.

Place:-
 Date:-

Signature
 with seal