



NATIONAL CENTRE FOR EARTH SCIENCE STUDIES
 (An Institution under the Ministry of Earth Sciences, Govt. of India)
 P.B. No. 7250, Akkulam, Thiruvananthapuram-695 011, Kerala.
PURCHASE DIVISION

Our Ref : PUR-PROC/268a/2022-PUR-NCESS
 (To be quoted in all correspondence)

Dt. 24/01/2024

Phone : (0471) 2511531
 FAX: (0471) 2442280
 E-mail: purchase@ncess.gov.in

To

ncesspurchase@gmail.com

M/s Advancetech Controls Pvt.Ltd.
B Wing, 401, 4th Floor, Universal Business
Park, Off Chandivali Farm Road, Andheri
East, Mumbai-400 072, India

Sub: e-Procurement Single Tender

Dear Sirs,

Please send your offer along with descriptive catalogue/ pamphlet for the following items not later than **27.02.2024 at 06.00 PM (Tender Opening at 11.00 AM on 29.02.2024)**. The terms and conditions governing the tender are given at the bottom.

<i>Sl. No</i>	<i>DESCRIPTION</i>	<i>QUANTITY REQUIRED</i>
1	Supply and installation of RAD7 (Radon Measuring System) with accessories for water and soil samples	2 Sets

(Detailed specification and conditions are given separately)

INSTRUCTIONS TO THE TENDERERS AND TERMS AND CONDITIONS

- The quotation should be submitted by e-procurement in PDF format by 'logging on' in the website eprocure.gov.in/eprocure/app. The total file size of the documents submitted should not exceed 20 MB.
- The Technical and Financial Bids should be submitted separately (Two Bid System).**
- In place of a Bid security, the bidders must sign a Bid securing declaration along with the bid saying that "We accept that if we withdraw or modify our Bids during the period of validity, or if we are awarded the contract and we fail to sign the contract, or to submit a performance security before the deadline defined in the request for bids document, we will be suspended for the period of time decided by NCESS from being eligible to submit bids for contracts with NCESS". **The bids without this declaration or Udyog Aadhar Memorandum /NSIC will be rejected.**
- Bidders from a country which shares a land border with India will not be eligible to participate in this tender, unless the bidder is registered with Department for Promotion of Industry and Internal Trade (DPIIT) under Order (Public procurement No. 1) issued by Ministry of Finance, Department of Expenditure in line with OM No. F.No.6/18/2019-PPD dt 23rd July, 2020 and F.18/37/2020- PPD, dt. 08.02.2021 inserting Rule 144 (xi) in GFR 2017.

5. Preference to Make In India: Preference will be given to the eligible Make in India offered products, in accordance with the CVC letter No. 018/VGL/022-377353 dated 20.04.2018, pertaining to Department of Industrial Policy and Promotion (DIPP) in connection with Preference to Make in India, Order 2017'(PPP- MIIOrder) dated 15.07.2017 pursuant to rule 153(iii) of General Financial Rules 2017. (Declaration may be submitted).
6. Startups: To promote make in India and startups, the prior turnover and prior experience for all startups shall be relaxed subject to their meeting of quality, technical specifications and tender conditions as per tender. The bidder who intends to participate as "startup" company should enclose the certificate towards startup enterprise registration/recognition issued by Department of Industrial Policy and Promotion, Ministry of Commerce and the certificate should be certified by the Chartered Accountant or should be registered with GeM as startup. Applicable certificate should be enclosed.
7. **FALL CLAUSE** : An undertaking has to be provided by the bidder that it has not supplied / is not supplying similar product / systems or subsystems at a price lower than that offered in the present bid in respect of any other Ministry / Department of the Government of India or PSU and if it is found at any stage that similar product / systems or sub systems was supplied by the bidder to any other Ministry/Department of the Government of India, or a PSU at a lower price, then that very price, with due allowance for elapsed time, will be applicable to the present case and the difference in the cost would be refunded by the bidder to NCESS, if the contract has already been concluded.
8. **MAF**: The authorisation from the manufacturer should be tender specific, i.e., tender reference number and date should be mentioned in the certificate. A bidder shall not have conflict of interest with other bidders. In cases, where the manufacturer has submitted the bid, the bids of its authorised dealer will not be considered and in case of violations, both infringing bids will be rejected.
9. **The bidder should enclose all relevant documents in a sequential manner as per the tender format.**
10. **The bid should contain the Bid securing declaration, Authorization from manufacturer, Details of Service Centre, Technical details with make, model and specification of each component, Technical Compliance statement, List of Customers, Brochures etc., wherever applicable.**
11. Catalogue/Brochure/Manual should be submitted along with the offer wherever necessary.
12. Warranty / Guarantee Clause needs to be mentioned necessarily wherever applicable.
13. The material should be delivered at NCESS or installed at the specified location and so the quotation should include all the charges for the delivery at NCESS/installation.
14. **In INR orders, the Customs Duty Exemption Certificate will be given to the supplier upon request. But the entire responsibility of customs clearance and delivery at NCESS will rest with the supplier. High sea sale is not accepted and should not be quoted.**
15. **The offer should be valid for 120 days from the due date of opening of tender.**
16. The Purchaser reserves right to accept any tender in part or full without assigning any reasons. The enquiry is not a commitment and the purchaser reserves the right to reject or cancel any or all offers.
17. **Payment Terms:**
 - If Indian Purchase Order**
 - a. 90% upon delivery and acceptance of entire system by NCESS and submission of Invoice, applicable Test Certificate, Installation Certificate, Warranty Certificate.
 - b. 10% will be paid against submission of advance bank guarantee from a nationalized bank for the like amount valid for the warranty period plus 60 days or after successful completion of warranty period
 - If Foreign Purchase Order**
 - a. LC will be established for 100% of order value against which 90% will be released on submission of Order Acceptance, Proforma Invoice, LC details and other shipping documents etc.,

- b. Balance 10% will be after submission of advance bank guarantee from a nationalized bank for the like amount valid for the warranty period plus 60 days or successful completion of warranty period or against

Net payment will be released after statutory deductions. No advance payment will be allowed and no other payment terms will be considered.

- 18. **In the event of placement of order, the successful bidder shall provide a Performance Bank Guarantee from a Nationalised Bank for 3% of the order value (DoE OM No. F.9/4/2020-PPD dated 30.03.2021). The PBG shall stand valid for the warranty period + 60 days.**
- 19. Any further changes in the details, like the date of opening or specification, will be posted on our web site only.

Yours faithfully,

Sd/-

Deputy Manager (Purchase & Stores)

Detailed Technical Specifications

Supply and installation of RAD7 (Radon Measuring System) with accessories for water and soil samples

General Conditions	
1	The complete system should be supplied & supported by single vendor, the offer should be submitted only by manufacturer or their exclusive agent with certificate of exclusivity.
2	Vendor shall ensure thorough installation, demonstration & relevant application training at the time of installation.
3	Detailed technical specification of the instrument must be provided along with the quote, original catalogue, all service and operation manuals of the instrument.
4	The vendor should ensure availability of necessary spare parts for at least five years after supply of the product.
5	The quoted costs should include the cost of packing, forwarding, freight, insurance and installation charges, whichever is applicable.
Technical Conditions	
RAD7- Radon Measuring System	
i	Each RAD7 unit should have the following components (1) RAD7 Radon Detector (2) RAD H2O Kit (3) RAD Aqua (4) Big Bottle System (5) DRYSTIK (6) Soil Gas Probe (7) Rugged Laptop The detailed technical specifications of each component are given below.
RAD7 Radon Detector	
ii	RAD7 unit should include RAD7 Radon Detector with all standard Wireless Infrared Printer, batteries, and 6 rolls paper, External 12V Power Adaptor, 2 sets Velcro Tabs, 4 Drying Tubes, Laboratory Drying Unit, 5 lb Indicating Desiccant (8 mesh) – additional 2 nos , 1 Dust Filter & 6 Inlet Filters, Vinyl Tubing, USB to Serial adapter cable and CAPTURE data acquisition and analysis software
iii	Principle of Operation: Electrostatic collection of alpha-emitters with spectral analysis Passivated Ion-implanted Planar Silicon detector, SNIFF mode counts polonium-218 decays NORMAL mode counts both polonium 218 and polonium 214 decays
iv	Built-In Air Pump: Nominal 1 liter/minute flow rate, Inlet and outlet Luer connectors
v	Connectivity: RS-232 port up to 19,200 baud rate, USB adaptor should be included with every RAD7
vi	Measurement Accuracy +/-5% absolute accuracy, 0% - 100% RH Nominal Sensitivity SNIFF mode, 0.25 cpm/(pCi/L), 0.0067 cpm/(Bq/m3) NORMAL mode, 0.5 cpm/(pCi/L), 0.013 cpm/(Bq/m3) Radon Concentration Range 0.1 - 20,000 pCi/L (4 - 750,000 Bq/m3) Intrinsic Background: 0.005 pCi/L (0.2 Bq/m3) or less, for the life of the instrument Recovery Time Residual activity in Sniff mode drops by factor of 1,000 in 30 minutes Operating Ranges: Temperature: 32° - 113°F (0° - 45° C) Humidity: 0% - 100%, non-condensing Cycle Range: User controllable number of cycles, from 1 to 99 to unlimited, per run, User controllable cycle time, from 2 minutes to 24 hours
vii	CAPTURE Software: Compatible with Microsoft Windows 7 through 10, and macOS Automatic RAD7 connection and data download Graphs radon, thoron, temperature and humidity over time Automatic humidity correction Statistical analysis tools track concentration averages and uncertainties Chart Recorder mode provides real-time RAD7 status monitoring

	Control RAD7 operations from computer via direct or remote connection Automatic calculation and display of radon in water with optional RAD H2O, RAD AQUA, and Water Probe accessories Automatic combination of data from multiple RAD7s Provision for data transfer to Laptop/PC via USB/similar device should be available
RAD H2O Kit	
viii	Radon In Water Accessory for the RAD7 should include RAD H2O Case package, RAD H2O Aerator Cap Kit, RAD H2O Glass Frit Kit, Indoor Faucet Adaptor, and RAD H2O Tubing Set.
RAD Aqua	
ix	RAD7 Aqua should include Omega Temperature Probe, Omega OM-EL-USB-TC Temperature Logger, three pairs of spray nozzles (WL1/4, WL1 and WL4), roll of Teflon tape
Big Bottle System	
x	Big Bottle System for High Sensitivity Radon in Water Accessory for the RAD7 should include all components of glass bottle system and soda bottle system such as glass jug aerator kit, soda bottle aerator kit, retort stand and clamp, big bottle system tubing set, 2.5 L glass jug, temperature logger kit, omega temperature probe and laboratory drying unit.
Drystik	
xi	Ruggedized drystik for use in field applications as an active moisture exchanger to reduce the humidity of the air entering the RAD7 and should all necessary components and accessories.
Soil Gas Probe	
xii	Hardened steel soil gas probe for hard packed soil with hammer, water shutoff valve and other accessories including soil gas probe main shaft, vacuum gauge and water shutoff valve, NPTM adaptors, barbed adaptor, roll of teflon tape, T handle, grips, threads, tubing set, slide hammer, extendable adaptors.
Rugged Laptop	
xiii	Suitable rugged laptop (IP65/66/67 compatible) or similar devices of configuration (i7 processor or better, OS - windows 10 Pro pre-installed, minimum of 12 MB cache, 4 cores, 8 Threads, 3.0 GHz to 4.30 GHz or better, 16GB or 32GB RAM (DDR4) with 512 GB SSD or better) for collecting data from radon monitor via connecting through USB cable should be provided.
Accessories	
xiv	All necessary components, accessories, tools, cables etc. necessary for the entire unit for measurements and calibration (if necessary) should be provided.
Warranty	
xv	Two-year comprehensive onsite warranty for the entire setup should be provide. Price for two-year comprehensive AMC after the warranty period should be quoted



NATIONAL CENTRE FOR EARTH SCIENCE STUDIES

P.B. No. 7250, MEDICAL COLLEGE P.O., AKKULAM, THIRUVANANTHAPURAM-695 011, INDIA

Tel: 91-471-2511531

Fax: 91-471-2442280

e-mail: purchase@ncess.gov.in

TENDER FORM

Tender No. & Date : **PUR-PROC/268a2022-PUR-NCESS Dt.24/01/2024.**
Due Date : **27.02.2024 (06.00 PM).**
Date of Opening : **29.02.2024 (11.00 AM).**
Venue of Opening : National Centre for Earth Science Studies, P.B.No.7250,
Medical College P.O., Thiruvananthapuram – 695 011.
Description of stores : Supply and installation of RAD7 (Radon Measuring
System) with accessories for water and soil samples
Quantity : **2 Sets**

Sirs,

The Senior Manager on behalf of the Director, National Centre for Earth Science Studies (NCESS), invites bids for the supply of stores mentioned above. The tender documents are classified as Annexure-A and Annexure-B. Annexure-A is a specimen tender form meant for suppliers and the bid should contain all the details specified therein. The instructions to the tenderers and the general terms and conditions applicable to the Purchase Orders placed by NCESS are given under Annexure-B. Those who are able to quote for the stores in accordance with the above requirements, may please furnish their offer through eprocurement, on or before the last date and time specified in the tender.

Any deviations from the terms and conditions of the Annexure-B must be clearly indicated in the offer.

Yours sincerely,
Sd/-

Senior Manager

ANNEXURE A

**The Senior Manager,
National Centre for Earth Science Studies,
P.B.No.7250, Akkulam, Medical College PO,
Thiruvananthapuram – 695 011.
Kerala, India**

Sir,

Sub: Your Tender NoDated.....

I/We hereby offer you to supply the stores detailed below at the price hereunder quoted and agree to hold this offer open tillI/We shall bind to supply the stores hereby offered, upon the issue of the purchase order communicating the acceptance thereof on or before the expiry of the delivery date therein. You are at the liberty to accept any one or more of the items of such stores. I/We, notwithstanding that the offer in this tender has not been accepted in whole shall be bound to supply to you such items and such portion or portions of one or more of the items as may be specified in the purchase order communicating the acceptance.

Technical Compliance Statement.

Required Specification		Specification Offered with make and model	Whether complied
Supply and installation of RAD7 (Radon Measuring System) with accessories for water and soil samples			
General Conditions			
1	The complete system should be supplied & supported by single vendor, the offer should be submitted only by manufacturer or their exclusive agent with certificate of exclusivity.		
2	Vendor shall ensure thorough installation, demonstration & relevant application training at the time of installation.		
3	Detailed technical specification of the instrument must be provided along with the quote, original catalogue, all service and operation manuals of the instrument.		
4	The vendor should ensure availability of necessary spare parts for at least five years after supply of the product.		
5	The quoted costs should include the cost of packing, forwarding, freight, insurance and installation charges, whichever is applicable.		
Technical Conditions			
RAD7- Radon Measuring System			
i	Each RAD7 unit should have the following components (1) RAD7 Radon Detector (2) RAD H2O Kit (3) RAD Aqua (4) Big Bottle System (5) DRYSTIK (6) Soil Gas Probe (7) Rugged Laptop The detailed technical specifications of each component are given below.		
RAD7 Radon Detector			
ii	RAD7 unit should include RAD7 Radon Detector will all standard Wireless Infrared Printer, batteries, and 6 rolls paper, External 12V Power Adaptor, 2 sets Velcro Tabs, 4 Drying Tubes, Laboratory Drying Unit, 5 lb Indicating Desiccant (8 mesh) – additional 2 nos , 1 Dust Filter & 6 Inlet Filters, Vinyl Tubing, USB to Serial adapter cable and CAPTURE data acquisition and analysis software		
iii	Principle of Operation: Electrostatic collection of alpha-emitters with spectral analysis Passivated Ion-implanted Planar Silicon detector, SNIFF mode counts polonium-218 decays NORMAL mode counts both polonium 218 and polonium 214 decays		
iv	Built-In Air Pump: Nominal 1 liter/minute flow rate, Inlet and outlet Luer connectors		
v	Connectivity: RS-232 port up to 19,200 baud rate, USB adaptor should be included with every RAD7		
vi	Measurement Accuracy +/-5% absolute accuracy, 0% - 100% RH Nominal Sensitivity SNIFF mode, 0.25 cpm/(pCi/L), 0.0067 cpm/(Bq/m3) NORMAL mode, 0.5 cpm/(pCi/L), 0.013 cpm/(Bq/m3) Radon Concentration Range 0.1 - 20,000 pCi/L (4 - 750,000 Bq/m3) Intrinsic Background: 0.005 pCi/L (0.2 Bq/m3) or less, for the life of the instrument Recovery Time Residual activity in Sniff mode drops by factor of		

	1,000 in 30 minutes Operating Ranges: Temperature: 32° - 113°F (0° - 45° C) Humidity: 0% - 100%, non-condensing Cycle Range: User controllable number of cycles, from 1 to 99 to unlimited, per run, User controllable cycle time, from 2 minutes to 24 hours		
vii	CAPTURE Software: Compatible with Microsoft Windows 7 through 10, and macOS Automatic RAD7 connection and data download Graphs radon, thoron, temperature and humidity over time Automatic humidity correction Statistical analysis tools track concentration averages and uncertainties Chart Recorder mode provides real-time RAD7 status monitoring Control RAD7 operations from computer via direct or remote connection Automatic calculation and display of radon in water with optional RAD H2O, RAD AQUA, and Water Probe accessories Automatic combination of data from multiple RAD7s Provision for data transfer to Laptop/PC via USB/similar device should be available		
RAD H2O Kit			
viii	Radon In Water Accessory for the RAD7 should include RAD H2O Case package, RAD H2O Aerator Cap Kit, RAD H2O Glass Frit Kit, Indoor Faucet Adaptor, and RAD H2O Tubing Set.		
RAD Aqua			
ix	RAD7 Aqua should include Omega Temperature Probe, Omega OM-EL-USB-TC Temperature Logger, three pairs of spray nozzles (WL1/4, WL1 and WL4), roll of Teflon tape		
Big Bottle System			
x	Big Bottle System for High Sensitivity Radon in Water Accessory for the RAD7 should include all components of glass bottle system and soda bottle system such as glass jug aerator kit, soda bottle aerator kit, retort stand and clamp, big bottle system tubing set, 2.5 L glass jug, temperature logger kit, omega temperature probe and laboratory drying unit.		
Drystik			
xi	Ruggedized drystik for use in field applications as an active moisture exchanger to reduce the humidity of the air entering the RAD7 and should all necessary components and accessories.		
Soil Gas Probe			
xii	Hardened steel soil gas probe for hard packed soil with hammer, water shutoff valve and other accessories including soil gas probe main shaft, vacuum gauge and water shutoff valve, NPTM adaptors, barbed adaptor, roll of teflon tape, T handle, grips, threads, tubing set, slide hammer, extendable adaptors.		
Rugged Laptop			
xiii	Suitable rugged laptop (IP65/66/67 compatible) or similar devices of configuration (i7 processor or better, OS - windows 10 Pro pre-installed, minimum of 12 MB cache, 4 cores, 8 Threads, 3.0 GHz to 4.30 GHz or better, 16GB or 32GB RAM (DDR4) with 512 GB SSD or better) for collecting data from radon monitor via connecting through USB cable should be provided.		
Accessories			
xiv	All necessary components, accessories, tools, cables etc. necessary for the entire unit for measurements and calibration (if necessary) should be provided.		
Warranty			

xv	Two-year comprehensive onsite warranty for the entire setup should be provide. Price for two-year comprehensive AMC after the warranty period should be quoted		

2. The list of Indian Customers who have bought the same/similar instrument within the last two years, with contact details:

3. Details of Service centre: (In case of dealers, also please state whether Authorised Dealership Certificate is enclosed)

4. We accept that if we withdraw or modify our Bids during the period of validity, or if we are awarded the contract and we fail to sign the contract, or to submit a performance security before the deadline defined in the request for bids document, we will be suspended for the period of time decided by NCESS from being eligible to submit bids for contracts with NCESS.

Place of Delivery: Stores, National Centre for Earth Science Studies, P.B.No.7250, Medical College P.O., Thiruvananthapuram – 695 011, Kerala, India.

I / We understand the instructions to the tenderers and General Terms and Conditions of the Contract governing supplies detailed in Annexure-B. I/We have thoroughly examined the specifications of the stores referred above and my/our offer is to supply stores strictly in accordance with and subject to the terms and conditions stipulated in Annexure-B.

Stamp and Signature of the Tenderer

ANNEXURE B

INSTRUCTIONS TO THE TENDERERS AND GENERAL TERMS AND CONDITIONS OF THE CONTRACT

1. **PRICES:** Tenders shall be made in ENGLISH and submitted with price for delivery at National Centre for Earth Science Studies, Akkulam, Medical College PO, Thiruvananthapuram-11, Kerala. The quoted amount should be inclusive of all charges like packing & forwarding charges, inland freight & other related charges, freight, statutory levies, unloading, installation etc.

2. **RIGHTS OF THE PURCHASER:** The Purchaser shall be under no obligation to accept the lowest or any other tender and shall be entitled to accept or reject any tender in part or full without assigning any reason whatsoever.

3. **VALIDITY OF OFFER:** The prices quoted should be firm and quotation has to be valid for a period of 120 days from the date of opening of tender.

4. **CATALOGUE:** Tenderers shall furnish Leaflet/Technical Literature of the Stores offered by him along with the offer.

5. **TRANSPORTATION:** Stores shall be supplied under supplier's risk.

6. **MODE AND TERMS OF PAYMENT:** Full payment after successful installation/commissioning and acceptance of stores at Purchaser's Site.

7. **WARRANTY:** The supply made by the supplier shall be of best quality and workmanship shall be in accordance with the specifications stipulated in the Purchase Order. Defects/deficiencies shall be made good by the supplier free of cost, notified within the applicable warranty period.

8. **SUBMISSION OF TENDERS:** The quotation should be submitted by e-procurement in PDF format by 'logging on' in the website eprocure.gov.in/eprocure/app

9. **ENGINEER'S SERVICE MANUAL AND INSTRUCTION MANUAL:** The Engineer's Service Manual including Circuit Diagram and Instruction Manual (Original Copies) of the equipment shall be supplied along with the delivery/shipment by the supplier in the event of a purchase order. This aspect should be clearly indicated in the offer.

10. DELIVERY/SHIPMENT:

a. The time for delivery of the stores stipulated in the purchase order shall be deemed to be the essence of the contract and delivery must be completed not later than the period specified therein.

b. Failure and termination: If the contractor fails to deliver the stores or any part thereof within the period prescribed for such delivery, the purchaser shall be entitled at his option either;

i) to recover from the contractor as agreed liquidated damages and not by way of penalty, a sum of 2% of the price of any stores which the supplier has failed to deliver as aforesaid, for each month or part of a month, during which the delivery of such stores may be in arrears or

ii) to purchase elsewhere, without notice to the contractor on the account and at the risk of the contractor, the stores not delivered or there of a similar description (where others exactly complying with the particulars are not in the opinion of the purchaser readily procurable, such opinion being final) without cancelling the contract in respect of the portion of stores not yet due for delivery.

iii) to cancel the contract or a portion thereof and if so desired, to purchase or authorize to purchase of stores not so delivered or others of similar description (where others exactly complying with the particulars are not in the opinion of the purchaser readily procurable, such opinion being final) at the risk and cost of the contractor.

11.LAW GOVERNING THE CONTRACT: The contract shall be governed by the laws of India for the time being in force. The marking of all stores supplied must comply with the requirements of Indian Acts relating to Merchandise Marks and all the rules made under such Acts.

12.JURISDICTION: The courts within the local limits of Thiruvananthapuram, the place from the purchase order is issued, will be the jurisdiction to deal with and decide any matter arising out of the contract subject to the clause 18 hereof.

13.INDEMNITY: The contractor shall at all, times indemnify the purchaser against all claims which may be made in respect of stores for infringement of any right protected by patent, registration of design or trade mark and shall take all risk of accidents or damage which may cause a failure of the supply from whatever cause arising and the entire responsibility for the sufficiency of all the means used by him for the fulfilment of the contract.

14.ARBITRATION: Not withstanding anything contained in clause 16 above, in the event of any question, dispute or difference arising under these conditions or any condition contained in the purchase order or in connection with this contract (except as to any matters the decision of which is specially provided for by these conditions) the same may be referred to the sole arbitration of the Director, National Centre for Earth Science Studies, Thiruvananthapuram or some other person appointed by him, there will be no objection that the arbitrator is a Govt. servant, who has to deal with matters to which the contract relates or that in the course of his duties as a Government servant he has expressed views on all or any of the matters in the disputes or difference. The award of the arbitrator shall be final and binding on the parties to this contract.

Terms of this contract: -

- a) If the arbitrator be the Director, NCESS, (i) in the event of his being transferred or vacating his office by resignation or otherwise, it shall be lawful for his successor in the office either to proceed with the reference himself, or to appoint another person as arbitrator to (ii) in the event of his being unwilling or unable to act for any reason, it shall be lawful for the Director, NCESS to appoint another person as arbitrator;

Or

- b) If the arbitrator be a person appointed by the Director, NCESS, in the event of his dying, neglecting or refusing to act, or resigning or being unable to act for any reason, it shall be lawful for the Director, NCESS, to proceed with the reference himself or to appoint another person as arbitrator in place of the outgoing arbitrator.

Subject as aforesaid, the Arbitration Act, 1940 and the rule there under and any statutory modifications thereof for the time being in force shall be deemed to apply to the arbitration proceeding under this clause. The arbitrator shall have the power to extend with the consent of the purchaser and the contractor the time for making and publishing the award. The venue of arbitration shall be the place as the purchaser in the absolute discretion may determine.

- 15.EXERCISING THE RIGHTS & POWERS OF THE PURCHASER:** All the rights, discretions and power of the purchaser under the contract shall be exercisable by and all notices on behalf of the purchaser shall be given by the Director or the Senior Manager of Centre for Earth Science Studies and any reference to 'the opinion of the purchasers' in the terms and conditions contained in this general conditions of the contract shall mean and be construed as reference to the opinion of any of the persons mentioned in this clause.
- 16.EXEMPTION FROM PAYMENT OF DUTIES:** The purchaser is eligible for availing customs duty at concessional rate under the relevant rules.
- 17.SPARES & ACCESSORIES:** Offers for plant/machinery/equipment/instrument shall also state prices or essential accessories, optional accessories and spares necessary for 5 years of satisfactory operation of the machinery/equipment/instrument offered. Prices for accessories and spares shall be itemised, offers where only lump sum prices are indicated are liable to be ignored. Particular care must be taken to list out each item of spare and quantity recommended and also individual price for these items.
- 18.QUANTITY:** The purchaser reserves the right to accept or reject lowest or any offers in whole or in part without assigning any reason. It would therefore be in the interest of the tenderers to clearly understand that the purchaser may accept offers for any quantity of his choice and hence, the percentage of reduction, if any in the price quoted in case of acceptance of tender in whole or part shall be clearly stated.
- 19.TRAINING:** The contractor shall, in special cases, if required by the Purchaser provide facilities for the practical training of the purchaser's engineers and technical personnel in respect of repair, maintenance or operation of the plant/machinery/ equipment/ instrument offered at their manufacturing plant in India or abroad. The cost for such training (including travelling, boarding and other related expenses) and the number of trainees and duration of training and any other terms if any, should be indicated separately in the offer.
- 20.INSTALLATION & COMMISSIONING:** In the event of an order, the supplier shall arrange satisfactory installation and commissioning of the plant/machinery equipment/ instrument at purchaser's site, free of cost.
- 21.SERVICE SOFTWARE/TOOLS:** The service software, tools required if any for the repair/maintenance of the plant/machinery/equipment/instrument shall be quoted separately.

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