TENDER DOCUMENT

TENDER FOR THE PURCHASE OF

Customized Hydrogen Gas Booster System With 1050 Bar Pressure Rating

UNDER

TWO BID SYSTEM

NO. 1023-18/SM-10072/IMPRINT/PS/

CHECK LIST

DULY FILLED CHECK LIST TO BE ATTACHED WITH THE TECHNICAL BID

Sl. No.	Particulars	Check Mark
1	Whether EMD / Tender Fees attached?	Yes/ No
2	Whether technical specifications of the quoted equipment attached?	Yes/ No
3	Whether catalog of the equipment attached?	Yes/ No
4	In case of authorized agent/distributor whether certificate/ authorization letter for the same issued by the manufacturer attached?	Yes/ No
5	Whether tender document along with all Annexures (A to G) duly signed & stamped by the authorized signatory attached?	Yes/ No
6	Whether affidavit duly attested by the Oath Commissioner/Executive Magistrate regarding non-black listing of supplier attached?	Yes/ No
7	Whether list of Institutes/Organizations where the quoted model of equipment supplied by the tenderer in India is attached?	Yes/ No
8	Whether split rates of each sub units are quoted?	Yes/ No
9	In case of foreign suppliers quoting directly, whether, the name of Indian agent mentioned?	Yes/ No
10	Whether compliance sheet duly filled in, signed & stamped attached?	Yes/ No
11	Whether warranty certificate duly filled in, signed & stampeled attached?	Yes/ No
12	Whether AMC certificate duly filled in, signed & stampeled attached?	Yes/ No

List of Annexures

भारतीय प्रौद्योगिकी संस्थान रोपड़
INDIAN INSTITUTE OF TECHNOLOGY ROPAR
नंगल रोड, रूपनगर, पंजाब-140001/Nangal Road, Rupnagar, Punjab-140001
Ph. 01881-242193, e-mail: purchase@iitrpr.ac.in

NO. 1023-18/SM-10072/IMPRINT/PS/ 13/11/2018

Notice Inviting Quotation

IIT Ropar intends to purchase the following equipments. You are, therefore, requested to send your sealed offer in Two Bid System as per the instructions given below:

Sl. No.	Description	Quantity
1	**Customized Hydrogen Gas Booster System With 1050 Bar Pressure Rating (Detailed specifications of above items as per Annexure-A)**	1

1. Schedule of EMD :

1	**Last Date and Time of receipt of tender :**	**04.12.2018 up to 03:00 PM.**	
2	**Opening of Technical Bids on :**	**04.12.2018 at 03:30 PM.**	
3	**Tender Fee**	**₹500.00**	**(GST @18% Extra)**
4	**Earnest Money Deposit (EMD)**	**₹75,000.00**	

2. Tender Fees and EMD:

Tender Fees & EMD to be submitted in shape of DD/BG/TDR favouring **'IIT Ropar Revenue Account'** payable at Ropar alongwith the Technical Bid. Offers without EMD shall not be considered.

3. Two Bid System :

(a) Technical bid consisting of all technical details alongwith commercial terms and conditions and EMD; and

(b) Financial bid indicating item-wise price for the items mentioned in the technical bid.

Technical bid and financial bid should be sealed in separate covers duly superscribed and both these sealed covers are to be put in a bigger cover which should also be sealed and duly superscribed as "Technical Bid for the supply of "Customized Hydrogen Gas Booster System With 1050 Bar Pressure Rating" and "Financial Bid for the supply of "Customized Hydrogen Gas Booster System With 1050 Bar Pressure Rating" Due on < Last date and time >. Technical bids shall be opened at the first instance and evaluated by technical committee. At the second stage financial bids of the only technically qualified bidders shall be opened for financial evaluation and ranking before awarding the contract. Mixing price bid with technical bid will disqualify your bid for further evaluation.

4. Submission of tender:

Offers addressed to the 'Registrar, IIT Ropar' and valid for 90 days should reach the **The Deputy Registrar (S&P), Utility Block, Indian Institute of Technology Ropar, Birla Farms, Permanent Campus, Rupnagar-140001** on or before the last date and time. Tenders received late shall not be considered.

5. Bidding:

a). Either the Indian agent on behalf of the Principal/OEM or Principal/OEM itself can bid.

b). If an agent submits bid on behalf of a Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product.

All offers other than those from the Principal/OEM should be supported by an authority letter from the manufacturer authorizing the supplier to tender on their behalf. In case of manufacturer a certificate or a copy thereof to the effect that the bidder is a manufacturer of the equipment must be accompanied with the technical bid prepared as per 'Annexure – A'.

6. Opening of Bids:

Technical bids will be opened as per the above schedule in the presence of bidders or their authorized representatives whosoever may wish to attend. In case the due date of receipt/opening of the quotation/s (technical/price) is declared a holiday in the Institute, then, the due date of receipt/opening of the quotations shall be the next working day at the same time.

7. Price Bid:

Price bid should be prepared as per 'Annexure – D'.

8. Rates Comparison:

Bidders are requested to send their rates on FOR, IIT Ropar basis in case of indigenous items and on FOB/FCA basis in case of imported items with separately mentioning CIF/CIP charges. Rates comparision will be made on Net Price (Including Freight/ Insurance/Installation/Taxes/Duties etc.) if offers are received both for indigenous and import items. If offers are received only for import items then comparison will be made on FOB/FCA basis. Rates of available foreign currency will be taken from RBI website as on the opening of the technical bids for the purpose of conversion in Indian rupees.

9. Spares:

The spare parts/wear & tear consumables, if any, required for trouble free operation of equipment to be quoted separately giving the full nomenclature, rate, quantity and shelf life of each item.

10. Indigenous items:

The items which can/are to be provided indigenously may be listed separately.

11. Parts of Equipments:

Where the equipment is composed of several subunits/components, the rate should be quoted for each subunit/component. The Institute reserves the right to increase or decrease the number of subunits/components and number of equipment according to its requirements. The rates in ambiguous terms will render the quotation liable to rejection. The words “Not quoting” should be clearly written against any item of equipment for which the tenderer is not quoting.

12. Payment Terms:

Payment will be made to the supplier through following modes.

a). Indigenous goods:

NEFT/Cheque/Demand Draft : 90% payment will be made within 30 days from the date of receipt of material at IIT Ropar and balance 10% after successful installation of the equipment and on the submission of performance bank guarantee valid for warranty period + 3 months .

b). Imported goods:

Letter of credit/Telegraphic Transfer/Sight Draft – 90% payment will be made through LC/TT/SD and balance 10% after successful installation of the equipment and submission of performance bank guarantee for 10% of order value, either by the principal company or by their Indian agent valid for warranty period + 3 months. Bank charges occured outside India will be borne by the beneficiary.

13. Acceptance of Terms & Conditions:

Bidders must confirm the acceptance of all the terms and conditions of this NIQ. Any non-acceptance or deviations from the terms and conditions must be clearly mentioned. However, tenderers must note carefully that any conditional offer or any deviation from the terms and conditions of this NIQ may render the quotation liable for rejection.

14. Service Manual/Curcuit Diagram

It is specifically required that the bidders will supply all the operating & service manuals and circuit diagrams alongwith the equipment.

15. Power Supply:

The equipment should be quoted only for 220 volts and 50Hz electricity supply. The extra requirement of line voltage, current rating etc. and the optimum climate and environment required for the equipment must be stated precisely. Voltage stabilizers/ isolation transformers/CVT/UPS etc., as may be required shall be listed separately. The full technical specifications and literature in respect of the voltage stabilizer etc., must be furnished.

16. Guarantee/Warranty and AMC:

Duly signed and stamped certificate of at least 3 years comprehensive onsite warranty as per Annexure-F should be attached with the technical bid. Successful firm will be required to agree for payment of penalty for exceeding permissible downtime during Guarantee / Warranty period. Annual Maintenance Contract charges for 2 years after the expiry of warranty period should be quoted as per Annexure-G. The rates of AMC will be taken into consideration while making rates comparison.

17. Country of origin:

Country of origin of the quoted item should be mentioned in the offer in case of imported item.

18. Customs Duty or Excise Duty:

IIT Ropar is exempted from the payment of Customs Duty/Excise Duty. CDEC/EDEC with DSIR certificate will be provided along with the order (If applicable).

19. Service Facility:

Bidder should mention about the service set up in India and how capable they are to provide after sales services.

20. Training:

If required, should be included in your offer without any extra cost.

21. Banker's details:

Name and address of the banker of your company should be mentioned.

22. Reference of supply:

Name and contact details of the premier educational Institutes where the quoted equipment has been installed in India should be attached as per Annexure-E during the last 5 years. Copies of at least two purchase orders may be attached(If possible). IIT Ropar reserves the right to inspect the equipment for its actual performance in any of the listed Institute. The list of installations with contact details for the last 5 years must be provided.

23. Arbitration

In the event of failure to carry out the contractual obligations, within the stipulated period or extended period and determination of the contract for any reason, violation of warranties etc. the IIT Ropar shall have the right to carry out the unfinished obligation at the exclusive cost and risk of the bidder/firm, after due notice and the difference so accrued shall be recoverable from the bidder/firm.

23.2 The provision of the Arbitration and Conciliation Act, 1996 or as at the relevant time and of rules framed there under and any statutory modifications thereof shall be deemed to apply and be incorporated in this agreement.

23.3 Upon every or any such reference, the cost of any incidentals to the reference and award(s) respectively shall be at the reasonable discretion of the Arbitrators or in the event of their not agreeing, of the Umpire appointed by them who may determine the amount thereof or direct the same to be fixed as between solicitors and client or as between parties and shall direct by whom and in what manner the same shall be borne and paid.

23.4 Panel of arbitrators will be provided by IIT Ropar out of which the bidder will have to select one.

23.5 The bidder shall have no objection if the officer who has dealt with the case at any stage is nominated as an arbitrator. Further, that one of the arbitrator's shall be Accounts Expert.

23.6 In case of vacancy being caused due to resignation, death or incapacity of the arbitrator(s) to function as such, the same shall be provided in the aforesaid manner and the new arbitrator(s) shall proceed from the stage at which vacancy is caused.

24. Jurisdiction:

The Courts of Ropar alone will have the jurisdiction to try any matter, dispute or difference between the parties arising out of this tender/contract. It is specifically agreed that no Court outside and other than Ropar court shall have jurisdiction in the matter.

25. Force Majuere:

Any failure of omission or commission to carry out the provision of this contract by the supplier shall not give rise to any claim by one party, one against the other, if such failure of omission or commission arises from an act of God; which shall include all acts of natural calamities such as fire, flood, earthquake, hurricane, or nay pestilence or from civil strikes, compliance with any statute and/or regulations of the Government, lockouts and strikes, riots, embargoes or from any political or other reason beyond the supplier's control including war (whether declared or not) civil war or stage of insurrection, provided that notice of the occurrence of any event by either party to the other shall be given within two weeks from the date of occurrence of such an event which could be attributed to Force Majuere conditions.

26. Risk & Cost

In the event of failure to carry out the contractual obligations, within the stipulated period or extended period and determination of the contract for any reason, violation of warranties etc. the IIT Ropar shall have the right to carry out the unfinished obligation at the exclusive cost and risk of the bidder/firm, after due notice and the difference so accrued shall be recoverable from the bidder/firm.

27. The material found defective upon opening by the supplier representative in presence of Central stores personnel/indenter of IIT Ropar or not as per tendered specifications will be lifted back at the cost and risk of the supplier. The material lying in the IIT Ropar premises would be at supplier's risk and cost.

28. Liquidated Damages:

In case the firm fails to execute the supply as per the purchase order in whole or in part as per the terms and conditions of PO, IIT Ropar can impose the penalty @1% per week of the undelivered stores, subject to a maximum of 10%. It will also be open to the institute to procure the required item(s) from any other source at the risk and expense of the firm.

29. Relocation:

The supplier has to stand guaranted for the relocation of supplied equipment once the permanent campus of IIT Ropar gets ready for operation. Transportation of the equipment will be provided by the Institute.

Note: The Director, IIT Ropar reserves the right to accept/reject any or all tenders without assigning any reasons thereof and also to reject the material if the same is not found conforming to the specifications, with further right to affect risk and cost of the purchases.

Registrar

Annexure A

Tender Specifications Cum Compliance Sheet For "Customized Hydrogen Gas Booster System With 1050 Bar Pressure Rating"

Note: *Supplier MUST provide the model number of the product in the compliance sheet which complies with the tender specifications and printed manuals on the letter head (or with official stamp) of principal supplier with the bid.* ***Bidders should highlight the features in the printed manual using color textliner/manually mark which complies with the tendered specifications.*** *Vendors are strongly advised not to submit any other manual in their bid.*

Scope of work under the purview of IIT Ropar:

1. Conventional 45-50 L Hydrogen/Nitrogen/Argon/Helium Cylinders available from Indian suppliers to be provided as per the requirement of the system.
2. Arrangement of Electrical Power
3. Floor area based on the system foot print
4. Permeation cell (the dimension of permeation cell is around 300 mm height and 220 mm diameter, the schematic of which is shown in Figure 1) with suitable inlet and outlet threads without connectors/ fittings and high–pressure tubing as shown below:

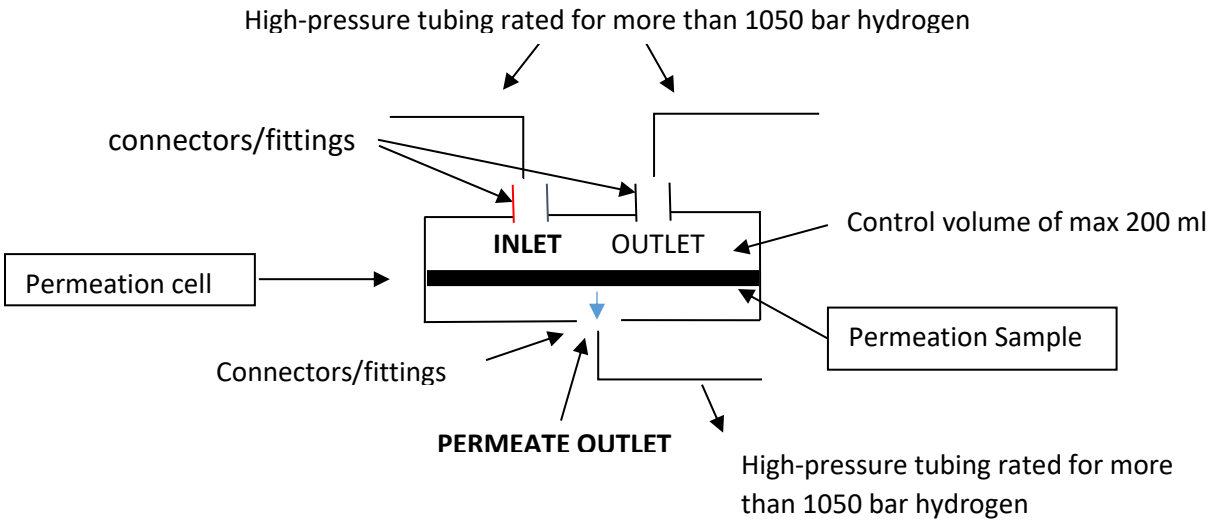

Figure 1: A Schematic of a permeation cell with connectors / fittings and high–pressure tubing.

Scope of work for vendor:

The proposed facility will be integrated with the in-house built hydrogen permeation cell. High-pressure hydrogen compatible material for tubing, connectors and other components of the integrated system to be supplied by the vendor for the permeation cell as shown in the schematic above. Detailed scope of the work includes a system as per t*he following compliance sheet. The following compliance sheet needs to be filled-up correctly and completely. Otherwise, it may lead to cancellation of their bid without any communication from IIT Ropar.*

Annexure A

Parameters	Specifications	Compliance of quoted Model (Yes /No)	Mention value of specification for each point related to quoted items; if any deviation, it needs to be clearly mentioned here	Indicate page number in the printed manual with respect to specifications
A: A gas filling system:				
1.	For filling of control volume of maximum 200 ml volume with hydrogen in the permeation cell from 0 bar to 1050 (+/- 20) bar with a variable pressure rise rate (maximum 5.5 bar/s). The rate of filling should be controllable using remotely located computer – based interface. The same system will be used for filling Nitrogen / Argon/Helium. However, for inert gases the maximum pressure achieved should be up to 1550 bar or more. The control mechanism should be able to achieve the desired pressure within ±1 Bar of the set point.			
2.	To be designed for minimum Hydrogen / Nitrogen / Argon / Helium Inlet Pressure @ 20 BAR or less that can be readily made available from conventional hydrogen / nitrogen / Argon / Helium cylinders to be used having a maximum pressure rating of 140 bar.			
3.	Should be able to complete one cycle of gas (Hydrogen / Nitrogen / Argon / Helium) filling and to and from a control volume in permeation cell (or a 37 litre hydrogen storage tank, refer S. No. B-30 of this tender document) at the rate of 1 cycle per 720 hours (or more) to maximum 5 cycles per hour and it should work for an extended number of continuous filling & venting cycles (at least 1500) using computer – controlled interface automatically.			

4.	Hydrogen and inert gases once vented from both the outlets, as shown in Figure 1, of permeation cell (or a single output of a 37 litre hydrogen storage tank, refer S. No. B-30 of this tender document) needs to be stored and re-utilized in future filling cycles.			
5.	The computer interface for the proposed system should gather online pressure (0 to 1700 bar) & temperature data at minimum three points in which two points of data gathering are at the INPUT and PERMEATE OUTPUT side of the permeation cell as shown in Figure 1. The sensors used shall be able to provide an accuracy of 0.01% of Full Scale Reading. The PLC and Labview/SCADA system should be provided with a UPS of appropriate capacity to provide a back-up of at least 30 mins.			
6.	The system should have a mechanical switch to cut off the booster once the maximum and minimum operating pressure of the system is reached.			
7.	The system should be provided with suitable Mechanical Safety devices at Inlet, Outlet, vent sections to prevent over pressurization of the system.			
8.	The system should be provided with suitable Filters and Check Valves wherever required. It should be from BuTech/ Swagelok/ Fitok/ Parker make only.			
9.	All the Valves/Connectors used in the system should be of reputed makes from among Swagelok/ Parker/ BuTech/ Fitok make only.			
10.	All connections should be gas tight and after assembly should be helium leak tested to achieve 1×10^{-6} mbar l/ sec.			
11.	The pump should be of compressed air driven. All the necessary equipment required to drive the booster falls in the scope of vendor. The pump should be from among Haskel/ Hydraulic International Inc, or equivalent make only			
12.	The tubing to be used should be from among BuTech/ Swagelok/ Fitok/ Sandvik make only. All the valves, fittings, tubing should be of SS 316L			

	Material only and it should be supported with necessary documents such as Chemical and Mechanical Analysis certificates			
13.	All the electrical components used should be ATEX certified provided with appropriate documents.			
14.	All the Safety Relief Valve and Vent Valve should be connected to a common exhaust line and should be released back in to the atmosphere.			
15.	A suitable international branded desktop computer (minimum i5 processor with 8 GB Ram or more and 1 TB or more hard disk) with color printer and suitable UPS for controlling the test system. The desktop shall be provided with Fully licensed Windows based operating system.			
16.	International certification to be provided for each wetted component of the integrated system to handle a working pressure of 1050 (+/- 20) bar hydrogen pressure and 1550 bar or more for inert gases.			
17.	The vendor must provide Quality Assurance Plan (QAP) for the system and all the individual components after placement of order. The QAP should include all the individual certifications to be provided with final assembly testing as per specifications mentioned in this tender document.			
18.	A portable cabinet should host main parts of the integrated system except permeation cell and cylinder cascade.			
19.	The portable cabinet and permeation cell chamber (The dimension of permeation cell is around 300 mm height and 220 mm diameter) should be hermetically sealed and should be filled with High Purity Nitrogen before and during the actual operation so as to isolate it from the atmosphere and prevent any blast that may take place due to reaction with Oxygen present in atmospheric air. A Structural Analysis report of cabinet structure is to be provided for the structure			
20.	All Ready Made Articles (RMA) should be supported with suitable catalogues during the stage of bidding and			

	provided during the installation of the system.			
21.	3 years on-site comprehensive warranty/Guarantee (give details including scope, no. of visits, etc.) from the date of complete and satisfactory installation of the equipment against the defect of any manufacturing, workmanship and poor quality of the components. Any part(s) that are not covered under warranty should be mentioned clearly. • The bidder also must agree and issue a certificate stating that technical query will be responded within 5 working days and the support will be provided within 2 weeks from the date of reporting of the technical failure. If service engineer fails to attend the complaint within 2 weeks, the warranty of the machine will automatically be extended for same number of days.			
22	A cascade corresponding to an appropriate number of cylinders according to the above-mentioned functional requirement working in tandem with two gases at a time so as to perform nitrogen / argon / Helium purging of the wetted components before using high – pressure hydrogen gas for testing purpose.			
23.	The power failure of up to 5 minutes should not affect the ongoing operation of the system such as booster etc.			
B: System Requirements:				
24.	Distance between gas cylinder cascade and portable cabinet should be around 10 meters or more.			
25.	Lab view or SCADA based computer interface for controlling the integrated system operations. The Lab view or SCADA system should have report generation, Alarm indications and Trending of IO points.			

26.	Auto shut down of the system and venting of existing gas in the pipeline in case of hydrogen gas leakage within the portable cabinet or at the point of application of high-pressure gas.			
27.	Two hydrogen leakage sensors to be provide and integrated with the system to detect hydrogen leakage, one mounted on the portable cabinet at appropriate location to detect hydrogen leakage and one above the permeation cell or any other point of application of high pressure gas.			
28.	All tubing in the integrated system should be labelled to indicate content and flow direction of gases.			
29.	Two hard copies and one soft copy of operational manual of the system to be provided.			
30.	The system installed should be capable to perform cyclic filling of a cylinder of 37 liters volume and perform similar operations for a 200 ml volume permeation cell as mentioned in Section A.			
31.	All parts (connections / fittings) of the integrated system should be easily accessible.			
32.	The system shall be equipped with Auto Fire extinguisher system.			
33.	The vendor should follow the rules of piping laid under ASME B 31.3.			
34.	The vendor should submit detailed pert chart and QAP after the placement of order.			
C: <u>Other requirements of the system:</u>				
35.	The provision should be provided in the system to fill a separate 6 liters high pressure chamber (which is not part of the in-house hydrogen permeation set-up) at maximum 1050 (+/-20) bar of hydrogen pressure with no stringent filling rate and purging rate requirement using suitable connections. This high-pressure chamber will be integrated with the system at later point of time after installation. The chamber and the connections are not in the scope of the vendor.			

36.	Full training free of cost for three persons at IIT Ropar premises after the system installed to the satisfaction of IIT Ropar.			
37.	Installation shall be done only by factory trained service engineer by the supplier free of cost. • Space required for installation or any other prerequisites shall be informed to IIT Ropar at least 2 months prior to supply/installation of machine.			
38.	Vendor must have well-functioning service center in India from at least last 5 years with proven service record. Details to be submitted. - Supporting data should be attached. -Vendor should provide the tools and spare part for smooth functioning of the machine for at least 3 years.			
39.	In last five years supplier must have supplied and installed 2 similar high-pressure gas systems or more to any of the leading institutions in India such as IISc/IITs/CSIR/DRDO/DAE/BARC/Reputed Industry, *etc.* Provide the list of users with contact details (Name, Organization, Email ID and office number) indicating the capability of the system supplied.			
40.	The complete system should be compatible to 200-240 V, 50Hz, three/single phase power supply.			
41.	The vendor should provide detailed integrated system design and drawing with clearly marked components as per the above required specifications. The vendor should also provide a table of list of components corresponding to the drawing and catalogues related to these components while clearly marking (manually or highlighting using text liner) the part number together with its specifications as per the format given in			

	Table 1 at the end of this tender document. The corresponding page number in the catalogue should also be put in this table.			
Optional Items: The vendor should quote separately for following optional items:				
42.	The vendor should also quote the recommended spares for a trouble-free operation of the supplied system for additional 10 years after the warranty period.			

Table 1: Format of table of components and their details to be provided by vendors as mentioned in point 41 of the compliance table.

S. No.	Component Name, Model Number	Indicate page number in the catalogue/manual with respect to component

Annexure: B

FORMAT FOR MANUFACTURER'S AUTHORISATION CERTIFICATE

To,
The Registrar
Indian Institute of Technology Ropar
Nangal Road, Rupnagar-140001

Sub. : Tender for "_____".

Dear Sir,

We,_____, who are established and reputed manufacturers of _____, having factory/office at_____, hereby authorize M/s _____ [name & address of agents/distributors] to bid, negotiate and conclude the order with you for the above goods manufactured by us.

We shall remain responsible for the tender/Agreement negotiated by M/s _____, jointly and severely. No company or firm or individual other than M/s _____ are authorized to bid, negotiate and conclude the order in regard to this business against this specific tender as for all business in the entire territory of India.

An agency commission of ____% included in the FOB price is payable to M/s _____. We hereby extend our full guarantee and warranty as per the terms and conditions of tender for the goods offered for supply against this invitation for bid by the above supplier.

1. _____

2. _____

*specify in detail manufacturer's responsibilities+the services to be rendered by M/s_____ are as under:

i) _____

ii) _____

[Specify the services to be rendered by the agent/distributor] In case duties of the agent/distributor are changed or agent/ distributor is changed it shall be obligatory on us to automatically transfer all the duties and obligations to the new Indian Agent failing which we will ipso-facto become liable for all acts of commission or omission on the part of new Indian Agent/ distributor.

Yours faithfully,

[Name & Signature]
For and on behalf of M/s. _____ [Name of manufacturer]

Note: This letter of authorization should be on the letterhead of the manufacturing concern and should be signed by a person competent and having the power of attorney to bind the manufacturer.

Annexure: C

FORMAT FOR NON BLACKLISTING OF SUPPLIER

I/ We _____Manufacturer/partner/Authorized Distributor/Agent (strike out which is not applicable) of (Supplier) _____ do hereby declare and solemnly affirm that the individual/firm/company is not black-listed by the Union/State Government/Autonomous body.

Deponent

Address _____

I/ We hereby solemnly declare and affirm that the above declaration is true and correct to the best of my knowledge and belief. No part of it is false and nothing has been concealed.

Deponent

Dated: _____

(Note: To be furnished on non-judicial stamp paper duly attested by the Oath Commissioner.)

Annexure: D

FORMAT FOR THE SUBMISSION OF RATES – PRICE BID

(To be submitted on the letterhead of the company/firm)

Name of the Equipment _____

Name of the Manufacturer _____

Make of the Equipment _____

Model Number _____

County of Origin _____

Sl. No.	Particulars	Rate/Unit
1	Cost of the equipment with 3 years comprehensive warranty (FOB value including Indian Agency Commission)	
2	Air freight, Insurance charges etc. (In case of import item)	
3	Total CIF value up to New Delhi Airport (In case of import item)/ Total FOR IIT Ropar value (In case of indigenous item)	
4	AMC charges for 1st year after expiry of warranty	
5	AMC charges for 2nd year after expiry of warranty	
6	Percentage of Indian Agency Commission (IAC) payable to the Indian Agent, if any (In case of import item).	
7	FOR charges in Rupees including clearance, loading & unloading, transportation and insurance from New Delhi Airport to IIT Ropar (In case of import item)	
8	Packing dimension of the equipment	
9	Gross weight of the equipment after packing	

This is certified that the rates quoted above are not more than the rates charged from any other Institute/ Department/Organization.

Note:
1. Taxes and other levies, if any are to be clearly specified in the bid.

Annexure: E

PROFORMA FOR USER/CLIENT LIST

Sl. No.	Name & full address of purchaser	Purchase Order No. & Date	No. of Units (Qty)	Model No. with Date of Installation	Contact person with cell, phone and e-mail id

Annexure: F

CERTIFICATE OF WARRANTY

i). I/We certify that the warranty shall be for a period of 3 years comprehensive onsite warranty starting from the date of satisfactory installation, commissioning and handing over of the equipment and of the works conducted therewith covered under the supply order in working order. During the warranty period, I/we shall provide free "after sale service" and the replacement of any part(s) of the equipment or rectification of defects of work of the equipment will be free of cost. The replacement of the parts shall be arranged by us, at our own cost and responsibility. We undertake that the above warranty shall begin only from the date of satisfactory and faultless functioning of the equipment for 60 days at IIT Ropar premises. The benefit of change in dates of the warranty period shall be in the interest of the use/your organization.

ii). During the warranty period, we shall provide at least 3 preventive maintenance visits.

iii). Uptime Guarantee: During the warranty period, we will be responsible to maintain the equipment in good working conditions for a period 345 days (i.e. 95% uptime) in a block of 365 days.

a). The bidder must agree and issue a certificate stating that technical query will be responded within 5 working days and the support will be provided within 2 weeks from the date of reporting of the technical failure. If the service engineer fails to attend the complaint within 2 weeks, the warranty of the machine will automatically be extended for the same number of days.

b). Penalty: We shall pay a penalty equivalent to 0.1 % of the FOB value of the equipment for every week or part thereof delay in rectifying the defect.

Note: The right to accept the reason (s) for delay and consider reduction or waive off the penalty for the same shall be at the sole discretion of Director, IIT Ropar

iv. We certify that the equipment being/quoted is the latest model and that spares for the equipment will be available for a period of at least 10 years and we also guarantee that we will keep the organization informed of any update of the equipment over a period of 10 years.

v. We guarantee that in case we fail to carry out the maintenance within the stipulated period, IIT Ropar reserves the right to get the maintenance work carried out at our risk, cost and responsibility after informing us. All the expenses including excess payment for repairs/maintenance shall be adjusted against the Performance Bank Guarantee. In case the expenses exceed the amount of Performance Bank Guarantee, the same shall be recoverable from us with/without interest in accordance with the circumstances.

vi. We shall try to repair the equipment at IIT Ropar premises itself. However, the equipment will be taken to our site on our own expenses in case it is not possible to repair the same at IIT Ropar. We shall take the entire responsibility for the safe custody and transportation of the equipment taken out for repairs till the equipment is rehabilitated to the IIT Ropar after repair Any loss of equipment or its accessories under its charge on account of theft, fire or any other reasons shall be at our sole risk and responsibility which will be compensated to IIT Ropar for such losses at the FOB/CIF value for the damaged/lost equipment/part, including accessories.

vii. We undertake to perform calibration after every major repair/breakdown/taking the equipment for repair out of IIT Ropar premises.

viii. In case of extended warrantee, we undertake to carry out annual calibration of the equipment.

ix. We guarantee that we will supply spare parts if and when required on agreed basis for an agreed price. The agreed basis could be an agreed discount on the published catalogue price.

x. We guarantee to the effect that before going out of production of spare parts, we will give adequate advance notice to you so that you may undertake to procure the balance of the life time requirements of spare parts.

xi. We guarantee the entire unit against defects of manufacture, workmanship and poor quality of components.

Annexure: G

TERMS AND CONDITIONS OF THE SERVICE CONTRACT

1. During the service contract period, the firm shall provide at least 3 preventive maintenance visits per year and attended to all emergent and break-down calls.
2. The service contract charges must be quoted separately for each year strictly as under and quoting of rates in ambiguous terms or in percentage terms etc. shall render the tender liable to rejection :
3. Rate for 1st year = _____ (Rupees in words).
   Rate for 2nd year = _____ (Rupees in words).
4. The service contract charges should be quoted only for services and travel cost etc. and should not include the cost of any replacement parts/components which shall be arranged by the IIT ROPAR at its own cost.
5. In each block of 365 days during the entire service contract period the firm will be responsible to maintain the equipment in good working condition for a period 350 days (i.e 96% uptime). The time taken by the IIT ROPAR in providing to the firm the spare parts shall not count towards the down time. All the complaints will be attended by the firm within 2 working days of the dispatch of the complaint to their office. In case there is delay of more than 2 working days in attending to a complaint then the number of days in excess of the permissible response time shall be counted in the downtime. In case total downtime exceeds the permissible downtime a fine equivalent to double the service contract charges shall be recovered from the firm on per day basis.
6. The right to accept the reason(s) for delay and consider reduction or waive off the penalty for the same shall be at the sole discretion of Registrar, IIT Ropar.
7. We undertake to carry out annual calibration of the equipment.
8. We undertake to perform calibration after every major repair/breakdown/taking the equipment for repair out of IIT Ropar premises.
9. The replaced parts shall remain the property of the IIT Ropar.
10. The firm shall try to repair the equipment at IIT Ropar itself. However, the equipment may be taken to their site, on their own expenses if in case it is not possible to repair the same at IIT Ropar. The firm shall take the entire responsibility for the safe custody and transportation of the equipment taken out for repairs till this is handed over the purchaser after repair. Any loss of equipment or its accessories on account of theft, fire or any such reasons shall be the sole risk and responsibility of the firm who will compensate the IIT Ropar for such losses at FOB value of the damaged/lost equipment/part including accessories.
11. During the service contract period the parts/components that may be needing replacement shall made available by the IIT Ropar at their own expenses and all import formalities, payment of customs duty etc., shall be complied with/borne by the IIT Ropar.
12. All service contract charges will be invoiced twice in each year. The payment of the invoice will be made afterwards.
13. No price revisions will be accepted by the IIT Ropar during the entire tenure of the service contract agreement.
14. AMC contains both hardware and software troubleshooting.