TENDER DOCUMENT

FOR

(HELIUM GAS QUAD AND INSTALLATION OF HELIUM RECOVERY LINES SYSTEM)

OF

(CRYOGENIC ENGINEERING CENTRE)

IIT KHARAGPUR

INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR
KHARAGPUR – 721302
WEST BENGAL
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NOTICE INVITING TENDER

Indian Institute of Technology Kharagpur, an Institute of Eminence, invites sealed bids from all Indian Manufacturers/Service providers or their authorized vendors, having registered office in India who fulfil the criteria mentioned in the Tender document and have adequate credential, for the Procurement of “Helium Gas Quad and installation of helium recovery lines system” at the Cryogenic Engineering Centre, IIT Kharagpur.

Interested parties may submit their sealed bids under Two-Bids system as per Technical Specifications given at Annexure I and P & ID drawings in Annexure II and General Terms & Conditions and other formats given at Annexure III to VIII. Two covers (Technical Bid and Price Bid) are to be sealed and placed in one large Cover superscribed with tender reference number (Tender No. IIT/KGP/CY/O/ASG/GQ/2020/29 DT: 24.12.2020) and submitted to “Prof. Abhay Singh Gour, Cryogenic Engineering Centre, Indian Institute of Technology, Kharagpur, P.O. Kharagpur Technology, PIN: 721302 on or before (28/01/2021 Last date of Bid submission) at 12.00 PM. Technical Bids will be opened on (28/01/2021 date) at 3.00PM.

The technical bid will be evaluated first and price bids will be opened in respect of those OEMs/Vendors, who are found technically qualified after evaluation of Technical bids. Date for opening price bids will be intimated later.

Kindly refer to the Institute website www.iitkgp.ac.in [link: Tenders] for complete tender details. The same is also available in the CPP Portal [https://eprocure.gov.in/eprocure/app]. If there is any corrigendum/addendum, it shall only be published on Institute’s Website and Central Public Procurement Portal.

Prof Abhay Singh Gour  
Professor-in-Charge,  
Liquid Helium Plant  
Cryogenic Engineering Centre  
IIT Kharagpur

To

1. Institute Website  
2. CPP Portal  
3. Department Notice Board

Signature of Head

(Cryogenic Engineering Centre)  
IIT Kharagpur

Signature and seal of Bidder
### TIME EVENTS OF VARIOUS TENDER RELATED ACTIVITIES

<table>
<thead>
<tr>
<th>Enquiry No</th>
<th>IIT/KGP/CRYO/ASG/GQ/2020/29 Date: 24/12/2020</th>
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<tbody>
<tr>
<td>Estimated cost</td>
<td>Rs.1,60,00,000 Lakhs</td>
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<tr>
<td>Bid Document fee (Non refundable)</td>
<td>Nil</td>
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<tr>
<td>Pre -bid Meeting</td>
<td>Date: 07/01/2021 @ (11AM) at (Meeting Room of Cryogenic Engineering Centre), IIT Kharagpur</td>
</tr>
<tr>
<td>Last date for submission of sealed tenders/quotations</td>
<td>(28/01/2021) at 12.00PM</td>
</tr>
<tr>
<td>Pre -qualification &amp; Technical Bid opening date/time</td>
<td>(28/01/2021) at 03.00 PM</td>
</tr>
<tr>
<td>Two Bid System</td>
<td>Two bids – (i) Technical and (ii) Price bid in two separate envelope placed &amp; sealed in one envelope</td>
</tr>
<tr>
<td>EMD</td>
<td>Nil (Bidders should submit the Bid Security Declaration as per Annexure VII)</td>
</tr>
<tr>
<td>Submission of bids (by speed post) (Addressed to)</td>
<td>Prof. Abhay Singh Gour, Cryogenic Engineering Centre, Indian Institute of Technology, Kharagpur, P.O.Kharagpur -721302, W.B</td>
</tr>
</tbody>
</table>

**Note:**

1. If the day falls on any Holiday, the date of any of the events mentioned above shall be on the next working day.
2. It is the responsibility of the Bidder to ensure that their bids whether sent by post or by courier or dropped by person should reach within the stipulated date & time.
3. The quotation received after the last date and prescribed time would summarily be rejected. Quotations having incomplete information are also liable to be rejected.
4. The Director, IIT Kharagpur reserves the right to reject any or all the quotations in full or part without assigning any reason thereof and without giving any compensation. The decision of the Director in this regard shall be final and binding to all.
5. The addendum/ corrigendum if any shall only be published on Institute's website and CPP Portal.
**ANNEXURE-I**

**TECHNICAL SPECIFICATIONS**

**Procurement of Helium Gas Quad and Installation of Helium Recovery Lines System**

*Helium Gas Quad and installation of helium recovery lines system (IIT/KGP/CRYO/GQ/ASG/2020/29 dated 24/12/2020)*

**Specifications for Helium Gas quad and recovery system**

<table>
<thead>
<tr>
<th>SI No</th>
<th>Parameter</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>1)</td>
<td>Helium Gas Quad</td>
<td>2 nos. of Helium gas quads are required. Each quad should consist of 54 Helium gas cylinders of Graded 5 purity (99.999 % pure). Each cylinder should be 300 bar pressure and capacity of 10 Nm³/cylinder thus making quad as 540 Nm³ capacity/ each quad. Bidder has to supply filled Quad while commissioning Cylinder</td>
</tr>
<tr>
<td>2)</td>
<td>Product quality, max impurity specifications requirement, if any</td>
<td>Grade 5 helium gas (99.999% pure helium gas)</td>
</tr>
<tr>
<td>3)</td>
<td>Additional loose Helium gas cylinders</td>
<td>12 numbers of 10 Nm³ loose helium Grade 5(99.999% pure helium) gas cylinders for initial operation of helium plant. Bidder has to supply filled Cylinders while commissioning. Make: EverestKanto/Rama Cylinder or equivalent</td>
</tr>
</tbody>
</table>
| 4)    | Total number of user recovery drop points                        | a) 30 numbers of user recovery drop points. All drop points should be terminated with 2” SS ball valves (PN# 10 bar, MOC: SS-316, AMCO/L & T/equivalent). Total quantity of ¼”SS ball valves required: 70 nos.  
   b) 2” SS Ball Valves required at each Drop point.  
   c) Quantity: 70 no’s: 12 mm to ½” PU tube-connectors (Festo/equivalent).  
   d) Quantity: 50 metres: 12 mm PU tube (Festo/equivalent make)  

**Note: All Valve specifications**

ASTM A351 Grade CF8, Ball – SS316, Seat-PTFE, Preferably single piece with Helium Leak test certificate
| 5 | Helium Recovery line | A. The recovery line connection should be made as per the attached P & ID in Annexure – II (Helium plant User Room Recovery line and Schematic of Old Building Helium recovery drop points).  
B. 2" diameter of SS316L seamless tubes (Dockweiler/Equivalent)BA/BA grade) has to be used for laying recovery line. Suitable reducer and line should be made for connecting user point with ball valves (Refer Point 5 for details). All gas cylinders of quad should be connected with SS316 seamless tubing. Welding of tubes to be done by means of orbital welding.  
Note:  
  a) The approximate length of total recovery line is estimated to be less than or equal to 250 metres and suitable joints, reducers, etc. are in the scope of vendor.  
  b) In case of any increase in length of recovery line, vendor should also quote for per metre equivalent cost for installing recovery line (inclusive of manpower, equipment case, material cost, etc.).  
  c) Argon, acetylene, oxygen, nitrogen, etc. gas cylinders need to be arranged by the vendor for site installation works. |
| 6 | Inspection and test report of the pipeline and joints | Radiography of the pipeline (Wherever applicable on 10% Sample basis), accessories and joints, helium leak test and pressure test for entire helium recovery line should be conducted and documented. A third party certification from competent agency for the same should be submitted by the vendor on completion of site installation works.  
Note:  
  a) Vendor should arrange Helium leak detector for leak checking – Sniffer probe method  
  b) Necessary ladder arrangements, etc to work at height with safety gears/gadgets/ protocols should be arranged by the vendor.  
  c) The final layout for helium recovery |
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| 7) | Mechanical Helium flow meters | 20 numbers of helium flow meters analog.  
  
  i. Maximum flow: 6 m³/hr,  
  ii. Minimum flow rate: 0.050 m³/hr.  
  iii. Nominal cyclical volume of the flow meter dm³: 1.2  
  iv. Operating temperature: -10°C to 55°C  
  v. Maximum operating pressure: 2 bar  
  vi. It should have in-built non-return valve to impede gas loss  
  vii. Flow meter should be mountable directly on the pipeline.  
  viii. **Detailed hard and soft copy of the manual should be supplied in English.**  
  ix. End connections: threaded type  
  x. Display type: Analog numeric in m³. |
<p>| 8) | Helium Gas bag connections | Recovery line should be connected with the gas bag inlet and its outlet should be connected to high pressure recovery compressor with suitable pressure relief valves, non-return valves, surge relief valves and pressure sensors, etc. The output of the helium recovery compressor is required to be connected with helium gas quad. The outlet of two parallel gas quad with suitable helium regulator valve should be connected to helium purifier system. The outlet of helium purifier will be given to helium liquefier (This inter-connection is in the scope of helium liquefier supplier but helium recovery vendor support and coordination might be required). |
| 9) | Material handling | Loading and un-loading of gas quads is in the scope of the vendor. |
| 10) | Single cylinder gas transportation trolley | 3 numbers |
| 11) | Pigtailed welded joint | Orbital welding to be done |
| 12) | Helium Gas filling &amp; emptying station | One gas filling and emptying station with a provision to connect 12 cylinders at a time as |</p>
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</table>
| 13 | **Helium gas cylinder regulator** | 284 bar/70 bar, ⅛"NPT female with suitable pressure gauge at inlet and outlet – CIRCOR HH/Equivalent  
4 nos. |
| 14 | **Manual Stop valves** | PN#400 Bar, MOC:  
Body: Ni Al Bronze  
Piston: Stainless steel  
O Rings: HNBR and Backup rings: PEEK  
Size: 1/2"  
Quantity: 11 nos.  
Make: Hale Hamilton/ Equivalent -- End connection – G34 Male |
| 15 | **Non return valve** | PN#400 Bar, MOC  
Body: Ni Al Bronze and  
Spring: Stainless steel, O Rings: HNBR  
Size: 1/2"  
Quantity: 4 nos.  
Make: Hale Hamilton/ Equivalent -- End connection – G34 Male |
| 16 | **Manual valves** | PN#20 Bar, MOC: SS316, Make:  
L&T/AMCO/Equivalent, ⅛"  
Quantity: 12 nos.-ASTM A351 Grade CF8, Ball – SS316,  
Seat- PTFE, Preferably single piece with Helium Leak test certificate End connection - Welded |
| 17 | **Non return valve** | PN#20 Bar, MOC: SS 316,  
Make: TKF/ Swagelok, ⅛", Quantity: 2 nos |
| 18 | **Pressure regulator** | Inlet max pressure: 300 Bar and out pressure range: 0-10 Bar-Single stage. MOC: Valve seat: PEEK, Spring Valve: Stainless steel, O Ring: Nitrile, Diaphragm- Nitrile, With control Nob, Body – Aluminium alloy  
Make: CIRCOR-HH  
Quantity: 2 nos. Sizing sheet to be provided by bidder – |
| 19 | **Pressure gauges** | 0-600 Bar, WIKA/Baumer, Quantity: 6 nos.  
(Dial size of minimum 150 mm), NPT thread, Glycerine filled |
| 20 | **Pressure gauges** | 0-20 Bar, WIKA/Baumer/Equivalent,  
Quantity: 2 nos. (Dial size of minimum 100 mm) – NPT threaded, Glycerine filled |
| 21 | **Safety relief valve** | Set @ 280 Bar, Make: CIRCOR/Equivalent  
Quantity: 1 no Sizing sheet to be provided |
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<tbody>
<tr>
<td>23</td>
<td>Mechanical flow meter</td>
<td>Max flow 6 M3/hr. Max working pressure 2 Bar and, Size: ¾&quot;, Quantity: 20 Nos.</td>
</tr>
<tr>
<td>24</td>
<td>Tube</td>
<td>SS 316 L BA/BA tube, ASTM A 269/A270 Make: Dockweiler/Equivalent Size: ¾&quot; OD, 150 Mtr</td>
</tr>
<tr>
<td>25</td>
<td>Tube</td>
<td>SS 316 L BA/BA tube, ASTM A 269/A270 Make: Dockweiler/Equivalent Size: 2&quot; OD, 350 Mtr</td>
</tr>
<tr>
<td>26</td>
<td>¾&quot; SS Tube</td>
<td>Dockweiler/Equivalent 30 meters.</td>
</tr>
<tr>
<td>27</td>
<td>¾&quot; ferrule fittings and nuts set</td>
<td>Suitable make</td>
</tr>
<tr>
<td>28</td>
<td>Fittings &amp; adaptors for equipment’s</td>
<td>As per the installation plan and requirement of the vendor with the approval of IIT Kharagpur</td>
</tr>
<tr>
<td>29</td>
<td>Tube Support &amp; Clamp</td>
<td>½&quot; OD &amp; 2&quot; OD, As per the installation plan and requirement of the vendor with the approval of IIT Kharagpur</td>
</tr>
<tr>
<td>30</td>
<td>Orbital welding, Installation &amp; Helium probe test</td>
<td>As per the installation plan and requirement of the vendor with the approval of IIT Kharagpur. Gas required for Helium test is in Bidder scope only</td>
</tr>
<tr>
<td>31</td>
<td>MS supports supply &amp; installation</td>
<td>As per the installation plan and requirement of the vendor with the approval of IIT Kharagpur</td>
</tr>
<tr>
<td>32</td>
<td>Transportation of Helium quads &amp; cylinders and other material, machinery, etc.</td>
<td>It is in the scope of the supplier</td>
</tr>
<tr>
<td>33</td>
<td>Safety &amp; pressure test certificate</td>
<td>Recovery lines layout &amp; piping to be done with your resources. IIT KGP will supply only water &amp; electricity</td>
</tr>
<tr>
<td>34</td>
<td>Guarantee/Warranty of above items</td>
<td>1 years after successful installation and demonstration</td>
</tr>
</tbody>
</table>
1. Gas quad has to be supplied only after site is found ready and certified to be fit for installing helium gas quad and recovery system both by vendor and IIT, Kharagpur.
2. The quoted price should be valid for 1 year.
3. Vendor has to work seamlessly with the helium plant supplier for the smooth installation, testing and certification of gas quad and recovery system along with the new liquid helium plant equipments.
4. Vendor may incorporate modifications based on site conditions for installation by taking prior approval from IIT, Kharagpur.
5. Tentative layout of helium plant and recovery system is attached for easy reference.
6. Vendor should provide detailed recovery line layouts as per Institute requirements. They can visit the site with prior intimation for better clarity.
7. Bidder has to ensure skilled manpower availability at Site till commissioning of Helium recovery system.
8. Bidder has to submit isometric drawings piping installation.

**Bidder Pre-Qualifications**

a) Bidder should have experience in installation of tubes with Orbital welding
b) Minimum 3 purchase orders with a price value of more than 50 lakhs INR for the duration from Jan 2018 till Dec 2020 are required to be submitted. Note: Out of which at least one PO should be on helium gas piping works.

c) Vendors having the above credentials will only be considered.
d) Vendors having the above credentials will only be considered.
P & ID for Helium Recovery Drop Points

Helium Recovery Lines Drop Points marked in Red Colour
ANNEXURE-III
GENERAL TERMS AND CONDITIONS

1. Last Date of Submission of Sealed Bids (both technical and price bids, separately in two covers and placed, sealed in one envelope): (28/01/2021) up to 12.00 P.M.

2. The Technical bids will be opened on (28/01/2021) at 3.00 P.M. in the (Venue, Name of the Department), I.I.T. Kharagpur, West Bengal (State).

3. Payment Terms & Performance Bank Guarantee (PBG): 90% payment will be made after receipt of stores in good order and condition, successful installation and demonstration thereafter certification by the Department. Balance 10% may be released against submission of Performance Bank Guarantee to the tune of 3% of the total Contract value or on completion of warranty period. PBG shall be issued from any nationalized bank/ commercial bank, which shall be valid for the period of warranty plus 60 days. No advance/mobilization support, is payable against supply of stores.

4. Liquidated Damages: In the event of failure to deliver the stores beyond the specified date, liquidated damages @ 1% per month or part thereof in respect of the value of stores will be deducted, subject to a maximum of 5%; alternately the order will be cancelled and the undelivered stores purchased from elsewhere at the risk and expense of the vendor.

5. Warranty/Guarantee & On-site skill support: 12 months (01) years onsite comprehensive OEM warranty from the date of successful installation and commissioning. The firm has to guarantee supply of spares for a minimum period of 1 year.

6. Bid Security Declaration: No EMD shall be deposited, however the bidder should submit the Bid Security Declaration as per Annexure – VII with the Technical bid, without which the bid shall be straightway rejected. If a successful bidder fails to act on the offer made by the Institute and/or the bidder withdraws/amends his bids after opening of the tender, the bidder shall be suspended from being eligible for bidding in any contract with IIT Kharagpur for a period equal to the duration of the contract for tender related to ‘Services’ and/or 01 to 03 years in case of ‘Procurement of Goods’ from the date of notification of the Tender document.

7. Tender Fee: No tender fees.

8. Delivery of Stores: The store items are to be supplied within 150 days from the date of receipt of the Purchase Order.

9. Price:
   a. The Price should be quoted in INR only.
   b. The price should be quoted “FOR IIT Kharagpur” basis. The price should be all inclusive.
   c. Indian institute of Technology Kharagpur is a public Funded Academic & Research institute under the minister of Human Resource Development and is eligible for GST @5% vide Notification No.47/2017 dated:14.11.2017 and 10/2018-Integrated Tax (Rate) dated:25.01.2018 by the Ministry of Finance, Department of Revenue. Necessary certificate in this regard will be issued as per requirement and on request of the successful bidder.

Signature and seal of Bidder

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d. The unit prices should be for the same unit as indicated in the Schedule to tender enquiry and not for any other unit.
e. Discount, if any, should be indicated separately/prominently.
f. Offers should normally be on fixed and firm price basis. Any clause making price variation will not be acceptable.

10. **Bid:** Technical Bid and Price Bid should be submitted in two separate sealed envelopes quoting reference number on the top of the envelope.

11. **Acceptance of Tender:** The Authority of IIT Kharagpur does not bind itself to accept the lowest priced bid and reserves the right to reject any or the entire tender bids received without assigning any reason thereof.

12. The addendum/corrigendum if any shall be published on Institute's **Website i.e.** www.iitkgp.ac.in and on CPP Portal.

13. **Extra Features:** If the bidder provides any other extra features on the Hardware or Software which are not mentioned in the tender product specifications, then that shall be highlighted in clear terms, with documentary evidence/literature.

14. **Compliance List:** The proposal should be properly indexed and a compliance list against the technical specifications should be provided.

15. **Service:** Response to ensure quality of services, the deputed Engineer from the OEM/Vendor shall have a minimum of 2 years of experience in the relevant field and must be in the payroll of the OEM/Vendor.

16. **Installation and Commissioning:** Installation and commissioning of Helium Gas Quad with relevant piping needs to be carried out at Liquid Helium Plant of Cryogenic Engineering Centre, iIT, Kharagpur. The supplier must ensure timely installation of Experimental test setup with necessary support to the indenters, as per details and lists to be made available by the Stores & Purchase Section or the indenting Departments/Centres/Schools.

17. **Period of Validity:** Bids shall remain valid for acceptance for a period of 120 days from the date of opening of the price bid.

18. The benefit of any downward price revision (revision on account of budget/financial policy, tax revision, EPZ etc.) is to be given to IIT Kharagpur by the selected OEM/vendor.

19. Past Performance of the Vendors will be judged at the time of Technical Evaluation.

20. The Institute does not bind itself to offer any explanation to those bidders whose technical bids have not been found acceptable by the Technical Evaluation Committee of the Institute.

21. Bidders should enclose the following documents:
   a. Purchase order to be placed on: Should be mentioned in the quotation with full address, email address, phone number.

Signature and seal of Bidder
b. Proforma Price Bid (without mentioning the price rate) may be attached with technical bids.

c. Copy of mandatory test reports, national testing/reliability and endurance test reports etc., certified or conducted at the manufacturing site, granted by the bureaus/quality control departments/national testing laboratories (if applicable).

22. All tenders are to be handed over in a sealed box in the Office of (Cryogenic Engineering Centre), IIT Kharagpur-721302. The bids (technical and price bids) once submitted shall be the property of the Institute and shall not be returned to the vendor in future. For speed post, the Postal Address is “

Prof. Abhay Singh Gour,
Cryogenic Engineering Centre,
Indian Institute of Technology, Kharagpur,
P.O.Kharagpur Technology, PIN: 721302
West Bengal (State)

23. Opening of Price Bids: The Price Bid(s) of only those vendor(s) who are found technically qualified will be opened and the same will be opened before the technically qualified vendor(s). The date for opening of price bids will be notified separately by email.

24. Tenderer or his/her authorized representative (with proper authorization letter for attending opening of technical bids and also for opening of price bids) may choose to be present at the time of opening of Technical Bids/Price Bids.

IMPORTANT

I. Director may accept or reject any or all the bids in part or in full without assigning any reason and does not bind himself to accept the lowest bid. The Institute at its discretion may change the quantity/upgrade the criteria/drop any item or part thereof at any time before placing the Purchase Order.

II. The technical bid will be evaluated first and price bids will be opened in respect of those OEMs/Vendors, who are found technically qualified after evaluation of Technical bids. Date for opening price bids will be intimated later.

III. A bid submitted with false information will not only be rejected but also the OEM/vendor will be debarred from participation in future tendering process.

IV. In case of any dispute, the decision of the Director of this Institute shall be final and binding on the bidders.

V. For any query pertaining to this bid document, correspondence is to be addressed to the End user

Prof Abhay Singh Gour
Cryogenic Engineering Centre
Indian Institute of Technology Kharagpur- 721302,
West Bengal (State)
VI. In case the due date for opening tender happens to be a holiday, the same will be opened on the next working day. The timings will however remain unchanged. Please Note that the Institute remains closed on Saturday & Sunday.

VII. The Bidders are requested to submit the bids after issue of clarifications only considering the changes made if any. Bidders are totally responsible for incorporating/complying the changes/amendments issued if any, in their bid.
ANNEXURE-IV

INSTRUCTIONS & SPECIAL CONDITIONS

1. General: Indian Manufacturers/Service provider or their authorized vendors, having registered office in India are invited to quote.

2. Deviation from Specifications: It is in the interest of the tenderer to study the specifications in the tender schedule thoroughly before quoting so that, if the tenderer makes any deviations, the same are prominently brought out in the body of the tender. If you need to add any optional items to your system in order to meet our specifications, you are requested to quote for the total including the option required to suit our requirements. Otherwise, your tender will not be considered at all. 3. TENDERERS SHALL SUBMIT ALONG WITH THEIR TENDER: (i) Complete address and tele links for contact persons of manufacturers/service providers/authorized vendors offices dealing with this purchase. (ii) Name and full address of the manufacturers/service providers/authorized vendors (iii) Country of origin is to be provided for each item. (iv) Purchase order to be placed on: Should be mentioned in the quotation with full address.

3. Performance Bank Guarantee: The bidders to provide Performance Bank Guarantee of the amount equivalent to the 3 % of the cost of contract value from any Nationalized Bank. The Performance Bank Guarantee is required for the entire period of Warranty. Performance Bank Guarantee must remain valid for a period 60 (sixty) days beyond the expiry of the Warranty Period.

4. Guarantee: The tenderer has to declare that the goods sold to the buyer under this contract shall be of the best quality and workmanship and shall be strictly in accordance with the specifications.

5. Jurisdiction: All questions, disputes, or differences arising under, out of or in connection with the contract, if concluded, shall be subject to the exclusive jurisdiction at the place from which the acceptance of Tender is issued i.e. Jurisdiction of KOLKATA HIGH COURT. Acceptance to this effect is also necessary at the time of opening of Technical Bid.

6. Acknowledgment: It is hereby acknowledged that we have gone through all the points listed under “Instructions & Special Conditions” outlined above, and those in the accompanying note on “Important Conditions”, and we agree to abide by them under the penalty of permanent disqualification for Tender participation and for related penal actions for non-abidance of the conditions.

7. Interested vendors must be able to supply adequate spares and consumable during three years of comprehensive warranty. Vendor should also ensure trouble free service and performance for another three years beyond 1 yeas Comprehensive Warranty Period with adequate spares and accessories.
### ELIGIBILITY CRITERIA / TECHNICAL BID

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<tr>
<th>S. No</th>
<th>Description</th>
<th>Submitted (Yes / No)</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>Registration Certificate</td>
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<tr>
<td>2</td>
<td>PAN and GST Certificates</td>
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<tr>
<td>3</td>
<td>Status of the Tenderer (attach documents, if registered company/ partnership /propriety ship)</td>
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<td>4</td>
<td>Manufacturer (OEM certificate) or Service Provider /Dealer (Authorization and OEM certificate from Manufactures)</td>
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<tr>
<td>5</td>
<td>Details of key top official/authorized official with e-mail id and contact number</td>
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<tr>
<td>6</td>
<td>Income Tax Returns of latest last three years</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Average turnover of company in last three years should be of Rs. ______ lakhs, if any</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Current list and address of clients where Three similar material/ products has been supplied (attach PO copies) and satisfactory certificates from the users.</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>ISO Certification, if any</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Technical Compliance Statement</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Other documents like literature, catalogues etc.,(if any) Bidder has to submit isometric drawings piping installation.</td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:**

1. Attach all relevant documents in the same serial order as above, properly indexed, duly signed.

2. This is to be submitted in a separate sealed envelope super scribing "TECHNICAL BID", Notice inviting Tender Reference no. and name of the bidder.

3. Price bid of that company/firm only will be opened which do technically qualify, for further consideration. Attach all relevant documents in the same serial order as above, properly indexed, duly signed and sealed.

Signature and seal of the Bidder
DECLARATION

1. I,--------------------------------Son /Daughter of Shri ------------------------- ----
---------------------------------Proprietor/Partner/CEO/MD/Director/Authorized
Signatory of M/s.--------------------------------------------------------am competent to sign
this declaration and execute this tender document.

2. Tender ref no:________________________ dt:________ . I have carefully
read and understood all the terms and conditions of the tender and hereby convey
my acceptance of the same.

3. The information/ documents furnished along with the above application are true
and authentic to the best of my knowledge and belief.

4. I/we am/are well aware of the fact that furnishing of any false information/
fabricated document would lead to rejection of my tender at any stage besides
liabilities towards prosecution under appropriate law.

5. Each page of the tender document and papers submitted by my Company is
authenticated, sealed and signed, and I take full responsibility for the entire
documents submitted.

6. I/we hereby confirm and declare that I/we am/are not blacklisted /De-registered /
debarrred by any Government department/ Public Sector Undertaking/ Private Sector/ or
any other agency for which we have Executed/ Undertaken the works/ Services.

Signature of the Authorized Person
Date: ---------------------------
Full Name: ----------------------
Place: ---------------------------
Company Seal: ------------------
ANNEXURE - VII

BID SECURITY DECLARATION

1. I, --------------------------------- Son / Daughter of Shri ---------------------------------
------------------------------------------ Proprietor/Partner/CEO/MD/Director/Authorized
Signatory of M/s.----------------------------------- am competent to sign this Bid Security Declaration and execute this tender document and hereby declare that;

2. I understand that, according to your conditions, bid must be supported by a Bid Securing Declaration.

3. I accept that I will automatically be suspended from being eligible for bidding in any contract with IIT Kharagpur for a period equal to the duration of the contract for tender related to ‘Services’ and/or 01 to 03 years in case of ‘Procurement of Goods’ from the date of notification, if I am in a breach of any obligation(s) under the bid conditions, because I;

   a. have withdrawn/modified/amended, impairs or derogates from the tender during the period of bid validity specified in the bid document, or

   b. having been notified of the acceptance of our Bid by IIT Kharagpur during the period of bid validity, (i) fail or refuse to execute the contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the General terms and conditions & Instructions to Bidders.

4. I understand this Bid Securing Declaration shall cease to be valid if I am not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) 45 (forty-five) days after the expiry of the validity of my Bid.

   Signature of the Authorized Person
   Date: ----------------------------

   Full Name: ---------------------------

   Place: ---------------------------

   Company Seal: ---------------------------

   Signature and seal of Bidder
(on the official Letterhead of the firm)

**FINANCIAL BID FORMAT**

Tender ref no: JIT/KGP/CRYO/GQ/ASG/2020/29 dt: 24/12/2020

Tender for Supply, Installation, Testing and Commissioning of Helium Gas Quad and installation of helium recovery lines system with 1 years of warranty.

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Qty</th>
<th>Unit Price without taxes (in Rs.)</th>
<th>Taxes Rs</th>
<th>Unit Price with Taxes (in Rs.)</th>
<th>Total Amount (in Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Supply and Installation, Testing and Commissioning of Gas Quad and installation of helium recovery lines system Equipment with 1 year of warranty</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

In words: Rupees ____________________________

1. In case of discrepancies between words and figures, the bid which is least of the two versions will be confirmed.

2. Indian institute of Technology Kharagpur is a public Funded Academic & Research institute under the minister of Human Resource Development and is eligible for GST @5% vide Notification No.47/2017 dated:14.11.2017 and 10/2018- Integrated Tax (Rate) dated:25.01.2018 by the Ministry of Finance, Department of Revenue.

Signature of the bidder along with seal

Checklist for Enclosures

(Bidder Should fill up YES or NO and page no. without fail)

Signature and seal of Bidder
<table>
<thead>
<tr>
<th>S.No</th>
<th>Bid Enclosures</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Registration Certificate</td>
</tr>
<tr>
<td>2</td>
<td>PAN and GST Certificates</td>
</tr>
<tr>
<td>3</td>
<td>Status of the Tenderer (attach documents, if registered company/partnership/proprietor)</td>
</tr>
<tr>
<td>4</td>
<td>Manufacturer (OEM certificate) or Service Provider/Dealer (Authorization and OEM certificate from Manufactures)</td>
</tr>
<tr>
<td>5</td>
<td>Details of key top official/authorized official with e-mail id and contact number</td>
</tr>
<tr>
<td>6</td>
<td>Income Tax Returns of latest last three years</td>
</tr>
<tr>
<td>7</td>
<td>Average turnover of company in last three years should be of Rs. __.jakhs, if any</td>
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<td>Other documents like literature, catalogues etc., (if any)</td>
</tr>
<tr>
<td>12</td>
<td>Bidder has to submit isometric drawings piping installation</td>
</tr>
<tr>
<td>13</td>
<td>Tender fee, if any (should be kept in one envelop cover and place technical bid)</td>
</tr>
<tr>
<td>14</td>
<td>Declaration as per Annexure - VI</td>
</tr>
<tr>
<td></td>
<td>Bid Security Declaration as per Annexure - VII</td>
</tr>
</tbody>
</table>

**Financial Bid (Envelope - B)**

1. Price Bid (As per the format given at Annexure - VIII)

Note: All pages of the bid documents must be serially numbered and signed.