

**GOVERNMENT OF INDIA  
DEPARTMENT OF SPACE  
ISRO PROPULSION COMPLEX (IPRC)  
MAHENDRAGIRI**

**Tender for Supply of gaseous Helium quads**

**Bids to be submitted online**

**Tender No.: IPRC/PURGP2/IP202400112401 dated 17-10-2024**

## A. Tender Details

Tender No :	<b>IPRC/PURGP2/IP202400112401</b>
Tender Date :	<b>17-10-2024</b>
Tender Classification:	<b>GOODS</b>
Purchase Entity :	<b>PURGP2</b>
Centre :	<b>ISRO PROPULSION COMPLEX (IPRC)</b>

### Supply of gaseous Helium quads

This is a two-part bid. Price details shall NOT be mentioned in technical Bid/attachments, failing which the offer will not be considered.

Foreign vendors are not permitted to quote.

Only Class-I and Class-II Local suppliers as per Make in India (MII) Policy are eligible to participate in the bid and submit the MII declaration certificate which is mandatory.

The percentage of local content is mandatory and it should be specifically mentioned in the offer.

Preference will be given to Class-I Local Supplier and in their absence, Class-II Local Supplier will be considered.

MSME preference is applicable only against the claim of the manufacturer and production of documentary evidence by the manufacturers for the registration of particular item under MSME.

Last minute clarification on tenders will not be entertained.

This is an e-Tender. Hence Postal/Fax/Email tenders will not be accepted.

Acceptance of Guarantee / Warranty, PBG, SD, LD & AMC shall be complied. (AMC charges will be considered/ loaded for cost comparative purpose for arriving the L1 price)

Please mention your Government E market Place (GeM) Seller ID for our reference.

### A.1 Tender Schedule

Bid Submission Start Date :	<b>17-10-2024 17:00</b>
Bid Clarification Due Date :	<b>24-10-2024 11:30</b>
Bid Submission Due Date :	<b>12-11-2024 11:00</b>
Bid Opening Date :	<b>12-11-2024 11:30</b>

Price Bid Opening Date :

**15-11-2024 11:00**

## B. Tender Attachments

NA

### Instructions To Vendors

#### 1. LOCAL CONTENT DECLARATION CERTIFICATE FORMAT (in your letter head)

1. In line with the Government Public Procurement Order No. P/45021/2/2017-BE-II dtd . 15.06.2017 , as amended from time to time, and as applicable on the date of submission of tender, we hereby certify that , we M/s.

\_\_\_\_\_ are local supplier meeting the requirement of minimum local content, \_\_\_\_\_%, as defined above in the orders for the material against Tender Enquiry No. \_\_\_\_ dtd. \_\_\_\_ .

2. The HSN No. of the item supplied is \_\_\_\_\_

Percentage of Local value addition , involved in the item are:

- 1.
- 2.
- 3.

3. This is also certified that the following factors are excluded in the above percentage: (strike out which are not applicable)

1. imported item sourced locally from resellers/distributors (value in \_\_\_\_% including tax, if applicable)
2. The license fee/royalties paid/technical charges paid out of india. (value in \_\_\_\_% including tax, if applicable)
3. Repackaged/refurbished/rebranded imported products (value in \_\_\_\_% including tax, if applicable)

4. The details of location at which the value addition will be made is as follows :

\_\_\_\_\_  
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5. We also understand that , false declarations will be in breach of code of integrity, under rule 175 (1) (i) (h), of the General Financial Rules, for which a bidder, or its successors can be debarred for up to 3 years under Rule 151 (iii) of the GFR along with such other actions as may be permissible under law.

For (company name)

## **2. General Instructions**

1. Last minute clarification on tenders will not be entertained.
2. This is an E Tender. Hence Postal/Fax/Email tenders will not be accepted.
3. If a vendor is not able to submit bid against this tender due to any reason, such vendor is requested to post their REGRET message in the e-procurement portal with clear reasons or email to psogroup2@iprc.gov.in. Non submission of bids without regrets will be viewed seriously.
4. IPRC reserves the right to split the tendered quantity in part or whole on its sole discretion without assigning any reason.
5. IPRC has the right to cancel the tender without assigning any reason etc.
6. If any vendor submits forged / false documents along with the tender, offer of such vendors will be summarily rejected and such bidders will be blacklisted for all future tenders.
7. Option Clause:-The purchaser reserves the right to increase/decrease the ordered quantity by up to 25-30 percent at any time, till final delivery date (or the extended delivery date of the contract), by giving reasonable notice even though the quantity ordered initially has been supplied in full before the last date of the delivery period (or the extended delivery period)

## **3. Conditions for BIDDER FROM A COUNTRY WHICH SHARES LAND BORDER WITH INDIA**

1. Any false declaration and non-compliance of the above would be a ground for immediate rejection of offer or termination of the contract and further legal action in accordance with the laws.
2. As per the Rule 144(xi) of General Financial Rule, 2017, any bidder from a country which shares a land border with India will be eligible to bid in any procurement whether of goods, services (including consultancy services and non-consultancy services) or works (including turnkey projects) only if the bidder is registered with the competent authority ie., Department for Promotion of Industry and Internal Trade (DPIIT).
3. Hence, Vendors or Agents of a Vendor (Indian or others) from a country sharing border with India shall submit copy of valid registration made with Department for Promotion of Industry and Internal Trade (DPIIT), Government of India along with the tender mandatorily, without which the offer will be treated as invalid.

#### 4. Model Certificate for Tenders

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that this bidder fulfils all requirements in this regard and is eligible to be considered

5. Validity of Registration: Registration should be valid at the time of submission of bids and should be valid at the time of placement of order.

#### 4. GeM Seller ID

1. GeM Seller Registration: All vendors shall register themselves in GeM Portal (gem.gov.in) and provide GeM Seller unique ID in the tender documents, as this ID is mandatory for award of contract.

#### 5. STANDARD TERMS AND CONDITIONS ( DOS PM:19)

1. a. Prices are required to be quoted according to the units indicated in the annexed tender form. When quotations are given in terms of units other than those specified in the tender form, relationship between the two systems of unit must be furnished.

2. Arbitration in the event of any dispute or difference arising under these terms & conditions or any condition contained in the Purchase Order or in connection with this Contract. (except as to any matter the decision of which is specially provided for by these conditions), the same shall be referred to the sole arbitration of the Head of the Purchase Office or of some other person appointed by him, and the dispute further processed in terms of the Arbitration & Conciliation Act, 1996. There will be no objection that the arbitrator is a Government Servant that he had to deal with matter which the Contract relates to or that in the course of his duties as Government Servant has expressed views on all or any of the matters in dispute or difference. The award of the arbitrator shall be final and binding on the parties of this Contract.

3. As per the Rule 144(xi) of General Financial Rule, 2017, any bidder from a country which shares a land border with India will be eligible to bid in any procurement whether of goods, services (including consultancy services and non-consultancy services) or works (including turnkey projects) only if the bidder is registered with the competent authority ie., Department for Promotion of Industry and Internal Trade (DPIIT).

Hence, Vendors or Agents of a Vendor (Indian or others) from a country sharing border with India shall submit copy of valid registration made with Department for Promotion of Industry and Internal Trade

(DPIIT), Government of India along with the tender mandatorily, without which the offer will be treated as invalid.

4. b. Corrections, if any, in the quotation must be attested. All amounts shall be indicated both in words as well as in figures. When there is difference between the amount quoted in words and figures, the amount quoted in words shall prevail.

5. GST/ other duties/levies, where legally leviable and intended to be claimed, should be distinctly shown separately in the tender.

6. Guarantee: The stores offered should be guaranteed for a minimum period of twelve months against defective stores design, operation or manufacture. For defects noticed during the guarantee period, replacement/repair should be arranged free of cost within a reasonable period of such notification. In cases where our specifications call for a guarantee period more than 12 months specifically, then such a period shall apply

7. If the arbitrator is a person appointed by the Head of the Purchase Office, In the event of his denying or neglecting or refusing to act, or resigning or being unable to act, for any reason, shall be lawful for the Head of the Purchase Office either to proceed with the reference himself or to appoint another person as arbitrator in place of the outgoing arbitrator subject, as aforesaid, to the Arbitration and Conciliation Act, 1996, and the rules thereunder and any statutory modifications thereof for the time being in force shall be deemed to apply to the arbitration proceeding under the 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 his absolute discretion may determine. Work under the Contract shall, if reasonably possible, continue during Arbitration Proceedings.

8. If the arbitrator is the Head of the Purchase Office :

(i) In the event of his being transferred or vacating his office by resignation or otherwise, it shall be lawful for his successor in office either to proceed with the reference himself for to appoint another person as arbitrator, or In the event of his being unwilling or unable to act for any reason, it shall be lawful for the Head of the Purchase Office to appoint another person as arbitrator

9. Late Tenders will not be considered

10. Model Certificate for Tenders:

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that this bidder fulfils all requirements in this regard and is eligible to be considered

11. Packing and Forwarding: The Contractor will be held responsible for the stores being sufficiently and properly packed for transport by rail, road, sea or air, to withstand transit hazards and ensure safe arrival at the destination. The packing and marking of packages shall be done by and at the expense to the Contractor.

12. Payment terms are full payment within 30 days from the date of receipt and acceptance of material ordered. Our Bankers are State Bank of India, Mahendragiri.

13. Quotation should be valid for at least 120 days from the date of opening of the tender.

14. Specifications: Stores offered should strictly conform to Purchasers specifications. Deviations, if any, shall be clearly indicated by the tenderer in his quotation. The tenderer should also indicate the Make/Type number of the stores offered and provide catalogues, technical literature and samples, wherever necessary, along with the quotation. Test certificate, wherever necessary, should be forwarded along with supplies. Wherever options are called for in our specifications, the tenderer should address all such options, wherever specifically mentioned by us, and the tenderer could suggest changes to specifications with appropriate response for the same. Even in such case, the tenderer should state why he cannot meet our specifications and why he is suggesting the change.

15. Successful tenderer will have to furnish in the form of a Bank Guarantee or in any other form as called for by the Purchaser towards adequate security for the materials/property provided by the purchaser for the due execution for the Contract.

#### 16. TERMS AND CONDITIONS OF TENDER:

Price quoted should be on the basis of FOR IPRC, Mahendragiri or delivery at site

The Purchaser will not pay separately for transit insurance, and the risk and cost during transit shall be exclusively the responsibility of the Contractor and the purchaser shall pay only for such stores as are actually received in good condition in accordance with the Contract.

17. The Contractor shall at all times indemnify the Purchaser against all claims which may be in respect of the stores for infringement of any right protected by Patent, Registration or design or Trade Mark and shall take all risks of accidents or damage which may cause a failure of the supply from whatever causes arising and the entire responsibility for the sufficiency of all means used by him for the fulfilment of the Contract

18. The Purchaser reserves the right to accept or reject any quotation fully or partly without assigning any reason therefore.

19. The time for and the date of 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 date specified therein, and failure to do so, without adequate justification, may involve cancellation of the Contract at the discretion of the Purchaser.

20. Vendors may please note that in case of two-part tender, the price details shall be mentioned only in the price-bid template. If the price details either in part or full are indicated in the technical bid, the bid will be disqualified.

21. Where counter terms and conditions/printed or cyclostyled conditions of sale have been offered by the tenders, the same shall not be deemed to have been accepted by the Purchaser unless the Purchaser's specific written acceptance thereof is obtained

## **6. STANDARD TERMS AND CONDITIONS (DOS PM: 20)**

### **1. ACCEPTANCE OF STORES:**

(a) The stores shall be tendered by the Contractor for inspection at such places as may be specified by the purchaser at the Contractor's own risk, expense and cost.

(b) It is expressly agreed that the acceptance of the stores Contracted for, is subject to final approval by the purchaser, whose decision shall be final.

(c) If, in the opinion of the purchaser, all or any of the stores do not meet the performance or quality requirements specified in the Purchase Order, they may be either rejected or accepted at a price to be fixed by the purchaser and his decision as to rejection and the prices to be fixed shall be final and binding on the Contractor.

(d) If the whole or any part of the stores supplied are rejected in accordance with Clause No. 8 (c) above, the purchaser shall be at liberty, with or without notice to the Contractor, to purchase in the open market at the expense of the Contractor stores meeting the necessary performance and quality Contracted for in place of those rejected, provided that either the purchase, or the agreement to purchase, from another supplier is made within six months from the date of rejection of the stores as aforesaid.

### **2. DELIVERY:**

(a) The time for and the date of delivery of the stores stipulated in the Purchase Order shall be deemed to be the essence of the Contract and delivery must be completed on or before the specified dates.

(b) Should the Contractor fail to deliver the stores or any consignment 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 0.5% per week of the price of any stores which the Contractor has failed to deliver as aforesaid or during which the delivery of such store may be in arrears subject to a minimum of 10%, or
- (ii) to purchase from elsewhere, without notice to the Contractor on the account and at the risk of the Contractor, the stores not delivered or others 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 consignment (s) not yet due for delivery, or
- (iii) to cancel the Contract or a portion thereof and if so desired to purchase or authorise the purchase of stores not so delivered or others of a similar description (where others exactly complying with the particulars are not, in the opinion of the purchaser, readily procurable, such opinion final) at the risk and cost of the Contractor.

In the event of action being taken under sub-clause (ii) & (iii) of clause 10 (b) above, the Contractor shall be liable for any loss which the purchaser may sustain on that account, provided that the re-purchase or if there is an agreement to re-purchase then such agreement is made within six months from the date of such failure. But the Contractor shall not be entitled to any gain on such re-purchase made against default. The manner and method of such re-purchase shall be at the discretion of the purchaser, whose decision shall be final. It shall not be necessary for the purchaser to serve a notice of such re-purchase on the defaulting Contractor. This right shall be without prejudice to the right of the purchaser to recover damages for breach of Contract by the Contractor.

### 3. DISPATCH:

The Contractor is responsible for obtaining a clear receipt from the Transport Authorities specifying the goods dispatched. The consignment should be dispatched with clear Railway Receipt/Lorry Receipt. If sent in any other mode, it shall be at the risk of the Contractor. Purchaser will take no responsibility for short deliveries or wrong supply of goods when the same are booked on "said to contain" basis. Purchaser shall pay for only such stores as are actually received by them in accordance with the Contract.

### 4. ERECTION OF PLANT & MACHINERY:

Wherever erection of a plant or machinery is the responsibility of the Contractor as per the terms of the Contract and in case the Contractor fails to carry out the erection as and when called upon to do so within the period specified by the purchaser, the purchaser shall have the right to get the erection done through any source of his choice. In such an event, the Contractor shall be liable to bear

any additional expenditure that the purchaser is liable to incur towards erection. The Contractor shall, however, not be entitled to any gain due to such an action by the purchaser.

#### 5. EXTENSION OF TIME:

As soon as it is apparent that the Contract dates cannot be adhered to, an application shall be sent by the Contractor to the purchaser. If failure, on the part of the Contractor, to deliver the stores in proper time shall have arisen from any cause which the purchaser may admit as reasonable ground for an extension of the time (and his decision shall be final) he may allow such additional time as he considers it to be justified by circumstances, of the case without prejudice to the purchaser's right to recover liquidated damages under clause 10 thereof.

#### 6. GUARANTEE & REPLACEMENT:

(a) The Contractor shall guarantee that the stores supplied shall comply fully with the specifications laid down, for material, workmanship and performance.

(b) For a period of twelve months after the acceptance of the stores, if any defects are discovered therein or any defects therein found to have developed under proper use, arising from faulty stores design or workmanship, the Contractor shall remedy such defects at his own cost provided he is called upon to do so within a period of 14 months from the date of acceptance thereof by the purchaser who shall state in writing in what respect the stores or any part thereof are faulty.

(c) If, in the opinion of the purchaser, it becomes necessary to replace or renew any defective stores such replacement or renewal shall be made by the Contractor free of all costs to the purchaser, provided the notice informing the Contractor of the defect is given by the purchaser in this regard within the said period of 14 months from the date of acceptance thereof.

(d) Should the Contractor fail to rectify the defects, the purchaser shall have the right to reject or repair or replace at the cost of the Contractor the whole or any portion of the defective stores.

(e) The decision of the purchaser notwithstanding any prior approval or acceptance or inspection thereof on behalf of the purchaser, as to whether or not the stores supplied by the Contractor are defective or any defect has developed within the said period of 12 months or as to whether the nature of the defects requires renewal or replacement, shall be final, conclusive and binding on the Contractor.

(f) To fulfill guarantee conditions outlined in clause 4 (a) to (e) above, the Contractor shall, at the option of the purchaser, furnish a Bank Guarantee (as prescribed by the purchaser) from a Bank approved by the purchaser for an amount equivalent to 3% of the value of the Contract along

with first shipment documents. On the performance and completion of the Contract in all respects, the Bank Guarantee will be returned to the Contractor without any interest.

(g) All the replacement stores shall also be guaranteed for a period of 12 months from the date of arrival of the stores at purchaser site.

(h) Even while the 12 months guarantee applies to all stores, in case where a greater period is called for by our specifications then such a specification shall apply in such cases the period of 14 months referred to in para 4 (b) & (c) shall be the guarantee period plus two months.

#### 7. PERFORMANCE BANK GUARANTEE:

Supplier has to submit an interest free Performance Bank Guarantee for an amount equivalent to 3% (THREE PERCENT) of order value obtained from any scheduled Banks executed on Rs.200/- non-judicial stamp paper and shall be valid for a period of sixty days beyond expiry date of warranty period. The same shall be submitted along with Invoice towards final payment.

#### 8. PACKING FORWARDING & INSURANCE:

The Contractor will be held responsible for the stores being sufficiently and properly packed for transport by rail, road, sea or air to withstand transit hazards and ensure safe arrival at the destination. The packing and marking of packages shall be done by and at the expense of the Contractor. The purchaser will not pay separately for transit insurance, all risks in transit being exclusively of the Contractor and the Purchaser shall pay only for such stores as are actually received in good condition in accordance with the Contract.

#### 9. PRICES:

Tender offering firm prices will be preferred. Where a price variation clause is insisted upon by a tenderer, quotation with a reasonable ceiling should be submitted. Such offers should invariably be supported by the base price taken into account at the time of tendering and also the formula for any such variation/s.

#### 10. REJECTED STORES:

Rejected stores will remain at destination at the Contractor risk and responsibility. If instructions for their disposal are not received from the Contractor within a period of 14 days from the date of receipt of the advice of rejection, the purchaser or his representative has, at his discretion, the right to scrap or sell or consign the rejected stores to Contractor's address at the Contractor's entire risk and expense, freight being payable by the Contractor at actuals.

#### 11. SECURITY DEPOSIT(SD):

The Supplier shall provide Bank Guarantee for an amount equivalent to the 3% (Three PERCENT) of the total Order value towards Security Deposit for the due performance of the Purchase Order. The Security Deposit can be submitted in the form of Bank Guarantee (format enclosed) or Fixed Deposit receipt obtained from any Nationalized/ Scheduled Bank and it shall be kept valid for a period of sixty days beyond the date of completion of the Purchase Order. This Security Deposit will be returned to the Supplier only upon successful completion of all the contractual obligations or shall be adjusted/ forfeited against non-fulfilment of any of the contractual obligations. The Security Deposit shall be submitted within 30 days from the date of receipt of Purchase Order.

#### 12. TEST CERTIFICATE:

Wherever required, test certificates should be sent along with the dispatch documents.

13. The Purchaser shall mean the President of India or his successors or assigns.

### 7. GENERAL TERMS AND CONDITIONS

1. a) Facility of after sales service to be confirmed with details.
- b) Permanent Account Number (PAN) allotted by Income-Tax authorities shall be furnished with documentary proof. Otherwise, documentary proof for having applied for PAN should be provided. Also PAN should be in the name of Company/Firm, if quoted by the Company/Firm and in the name of Individual, if quoted by individual.
- c) GST No.
- d) PAN No.
- e) Local office in Tirunelveli / Nagercoil is preferable.

Note: (b) to (e) are applicable for Indian Companies only.

2. All amounts shall be indicated both in words as well as in figures. Where there is difference between amounts quoted in words and figures, amount quoted in words shall prevail.

3. GST where legally leviable and intended to be claimed should be distinctly shown separately in the tender.

4. Guarantee / Warranty period as applicable shall be indicated, along with the quote. Guarantee/Warranty shall commence from the date of installation and acceptance of the complete equipment supplied under the contract/purchase order.

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

6. In a tender, either the Indian Agent on behalf of the Principal/OEM or Principal/ OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender.
7. In case of imported items (stores), Ex-Works/FOB/FCA prices should be indicated. In case of indigenous stores the quotation should be on FOR-Destination / Door delivery basis.
8. In case the vendor falls in the category of Small Scale Industries(SSIs), who are registered with NSI, Public Sector Undertakings (PSUs) and Micro & Small Enterprises (MSMEs) the same shall be mentioned in their quote for evaluation.
9. Indian Agents while quoting on behalf of their principals shall attach necessary authorization letter from their Principals along with the bid.
10. IPRC reserves the right to accept or reject any quotation in full or part thereof by recording the reasons.
11. IPRC shall not be responsible for failure of vendors in submitting bids online caused due to technical reasons at vendor end such as network or power failures, computer failure, internet-browser, mistakes / errors in filling the bids on line by vendor etc.
12. ISRO PROPULSION COMPLEX (IPRC) is exempted from payment of Customs Duty under Notification No. 50/2017-Customs dated 30.06.2017 and as amended by Notification No.5/18 Customs dt:25/1/18. For imported items IPRC will provide Customs Duty Exemption Certificate for availing Concessional CD and IGST.
13. Last minute request for the extension of the due date w.r.t. any technical issue at Vendors/Suppliers side will not be considered. You may submit your quotation online well in advance instead of waiting till the last date to ensure that Internet problem and network condition does not cause problem
14. LIQUIDATED DAMAGES:Delivery is the essence of the contract. Items shall be delivered within stipulated period. If delivery is delayed beyond the stipulated delivery period mentioned in the purchase order or any extension thereof, an amount equal to 0.5% per week shall be recovered, subject to a maximum of 10% of the order value shall be deducted from your bills due. For Staggered supply, maximum of 10% of value respective staggered supply lot.
15. Offers sent through post, telegram, fax, e-mail, courier will not be considered. Partially completed / incomplete tenders shall not be considered.
16. Only authorized dealers/agents or their accredited representatives for original manufacturers have to submit the quotation with documentary evidence.

17. PAYMENT: 100% through RTGS within 30 days from the date of receipt and acceptance of items at our site is the normal payment for Indigenous supply. In the case of direct Import, normal terms of payment are by Sight Draft / Wire Transfer after receipt of items. However, other terms of payment like establishment of Letter of Credit may be considered by the Purchaser on such terms and conditions as may be agreed upon.

18. PERFORMANCE BANK GUARANTEE :

The Supplier shall guarantee the successful and satisfactory performance/commissioning of equipment/machinery under the conditions specified in the Purchase Order. As a performance security, the SUPPLIER shall furnish a performance bank guarantee (format enclosed) from Nationalized Bank/Scheduled Bank for an amount equal to the sum of 3% of the order value ensuring the due performance of equipment/machinery in accordance with all the specifications and terms specified in the Purchase Order herein valid for the warranty period. On due performance, the performance bank guarantee shall be automatically cancelled and returned to the Supplier within 30 days after expiry of the Warranty period. The performance bank guarantee shall have claim period of six months.

19. SECURITY DEPOSIT : Security Deposit @ 3% of order value shall be submitted in the form of DD/FDR duly endorsed in favour of Accounts Officer, IPRC or by way of Bank Guarantee (in the prescribed format) within 20 days after receipt of order and valid up to the successful execution of the order.

20. The goods or material offered should be strictly as per our specifications. Change(s) in specifications, if any, should be clearly indicated by the supplier in his quotation. The supplier should also indicate make/type No. of the materials or equipment offered. Vague terms such as Best Indian, Best Indigenous and Imported make should not be used.

21. The offer should be valid for a minimum period of 120 days from the date of opening of the bids (Technical bid in case of 2-part tender).

22. The purchaser shall be under no obligation to accept the lowest or any tender and reserves the right of acceptance of the whole or any part of the tender or portions of the quantity offered and the tenderer shall supply the same at the rates quoted.

23. Wherever the tenderer is asked to submit sample for evaluation of tenders, the same shall be submitted along with your quote.

## C. Bid Templates

### C.1 Technical Bid - Supply of gaseous Helium quads

#### 1. HELIUM: Supply of gaseous Helium quads (9 x 6) matrix

Document : Terms and conditions

Document : Technical specification

#### 2. HELIUM: Supply of gaseous Helium quads (4 x 4) matrix

#### 3. TRANSPORTATION CHARGES

#### Common Specifications (Applicable for all items)

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	FABRICATIO N & SUPPLY OF GASEOUS HELIUM QUADS:		-		
2	Description:	Design, procurement of 50 liters cylinders, components, structural & plumbing materials, fabrication, installation and testing of Gaseous Helium (GHe) Quads. Indigenous, empty, brand new, high pressure, Flat type, concave bottom seamless steel gas cylinders with PESO, Nagpur permission for GHe filling, shall be arranged as in a square frame. Each cylinder shall be connected to a common header. a) 54 cylinders (9 x 6) matrix: 6 nos. and b) 16 cylinders (4 x 4) matrix: 4 nos.	Yes / No / Explain		



3	SPECIFICATION OF CYLINDERS:		-		
4	Item description	Rama/EKC/Eurotech/MKC make, empty, brand new, high pressure, seamless steel gas cylinders, flat type, concave bottom, cylinders as per IS-7285 Part:II (2017); complete with neck ring and wheel operated cylinder valves as per IS-3224. It will be painted as specified under gas cylinders rules 2004 & supported with manufacturers test certificates and permission for GHe filling from Petroleum and Explosives Safety Organisation, Nagpur.	Yes / No / Explain		
5	Service	Helium	Yes / No / Explain		
6	Standard	IS – 7285 (PART-II):2017	Yes / No / Explain		
7	Water capacity	50 liters nominal	Yes / No / Explain		
8	Hydrostatic test pressure	334 barg	Yes / No / Explain		
9	Maximum Allowable working pressure at 15oC	200 barg	Yes / No / Explain		
10	Minimum wall thickness (approx)	5.3 mm	Yes / No / Explain		
11	Outer diameter (approx)	232.0 mm	Yes / No / Explain		
12	Cylinder length (approx)	1450 mm (nominal length)	Yes / No / Explain		
13	Cylinder weight (approx)	57.0 Kg.	Yes / No / Explain		
14	Gas capacity	10.0 Cum	Yes / No / Explain		
15	Valve (Inlet & outlet)	Wheel operated valves as per IS-3224	Yes / No / Explain		

16	Bottom shape	Concave	Yes / No / Explain		
17	Cylinder colour	Middle brown. As per gas cylinder rules, 2004.	Yes / No / Explain		
18	Inspection	All cylinders inspection certificate, material testing certificate issued by cylinder manufacturer as per IS-7285 / BIS certificate and GHe filling permission from PESO shall be provided.	Yes / No / Explain		
19	Scope of inspection	Visual inspection, material property testing, hydrostatic pressure testing, etc., shall be carried out by the manufacturer only at reputed laboratories and /or at their works.	Yes / No / Explain		
20	Testing	Cylinders shall be designed, manufactured, tested and accepted as per IS-7285.	Yes / No / Explain		
21	Valves	Each cylinder shall be fitted with wheel operated Brass IS-3224 valves suitable for Helium services. All outlet connections shall be with Female end. The certificates for the same also to be submitted along with supply.	Yes / No / Explain		
22	Conditioning the cylinders	All cylinders, after hydro testing shall be cleaned, dried and filled with dry air/Nitrogen at a partial pressure of 5.0 barg in order to avoid corrosion in the cylinder.	Yes / No / Explain		
23	Guarantee	12 months from the date of receipt of items at IPRC, Mahendragiri. Guarantee certificate shall be sent along with the supply.	Yes / No / Explain		

24	Certificate from PESO, Nagpur	Cylinder manufacturer is responsible to get permission from PESO, Nagpur for Gaseous Helium filling in cylinders.	Yes / No / Explain		
25	SPECIFICATION OF QUADS:		-		
26	Specification of Quads : 1; Scope	Design, Procurement of components, structural & plumbing materials, fabrication, installation and testing of GHe quads.	Yes / No / Explain		
27	Specification of Quads : 2; The number of quads to be fabricated:	54 cylinders (9 x 6) matrixes - 6 Nos. 16 cylinders (4 x 4) matrixes - 4 nos.	Yes / No / Explain		
28	Specification of Quads : 3	Cylinders should be arranged horizontally for 9 x 6 matrix quads and vertically for 4 x 4 matrix quads.	Yes / No / Explain		
29	Specification of Quads : 4	All brand new GHe cylinders test certificates along with permission from PESO, Nagpur for Gaseous Helium filling in cylinders shall be forwarded to IPRC, Mahendragiri for verification and acceptance. The fabrication of Gaseous Helium quads shall be started only after getting the clearance and acceptance of new cylinders by IPRC, Mahendragiri.	Yes / No / Explain		
30	Specification of Quads : 5	The final drawings indicating dimensional details, bill of materials, etc., shall be submitted to IPRC, Mahendragiri for approval. After obtaining approval from IPRC, Mahendragiri, the supplier has to go ahead for fabrication.	Yes / No / Explain		

31	Specification of Quads : 6. Maximum allowable working pressure of quad :	200 barg	Yes / No / Explain		
32	Specification of Quads : 7; The pressure gauge shall have isolation block valve (3 port & 2 way valve) with vent port.	a. The pressure gauge range is 0 to 250 bar. b. The pressure gauge should be properly position inside the main square frame to avoid transit damage.	Yes / No / Explain		
33	Specification of Quads : 8; Size of the Main valve (Inlet & outlet)	Inlet : Type-4 Size-2 Outlet: 5/8" BSP	Yes / No / Explain		
34	Specification of Quads : 9; Material of construction: a) Square frame/ Channel / Backing plate / Top Holding plate	Mild steel	Yes / No / Explain		
35	Specification of Quads : 9; Material of construction: b) Manifold / Pig tail / Hose	Copper with brass connection	Yes / No / Explain		
36	Specification of Quads : 10. The size of materials: a) Main square frame	50 mm x 50 mm x 6 mm thickness	Yes / No / Explain		
37	Specification of Quads : 10; The size of materials: b) Manifold cover square frame	50 mm x 50 mm x 4 mm thickness	Yes / No / Explain		
38	Specification of Quads : 10; The size of materials: c) All channels/ backing plate/ Top holding plate	50 mm x 4 mm thickness.	Yes / No / Explain		

39	Specification of Quads : 11; Copper manifold size	Annealed copper pipe OD: 20 mm, ID: 10 mm as per BS 2871.	Yes / No / Explain		
40	Specification of Quads : 12; Pig tail/ hose size	Annealed copper tube OD: 8 mm, ID: 3 mm as per BS 2871.	Yes / No / Explain		
41	Specification of Quads : 13; Clamping scheme	All copper tubes and female end valves shall be properly clamped. The clamping details shall be submitted by fabricator before starting fabrication. IPRC has the right to suggest additional clamps for stability and it will be finalized on mutually agreed basis. There will not be any additional cost implication due to improvement of clamping scheme.	Yes / No / Explain		
42	Specification of Quads : 14; Painting	Two coats of Red oxide will be applied on structure and two coats of middle brown paint will be applied. The name "IPRC, MAHENDRAGIRI" shall be written in all sides of quads.	Yes / No / Explain		
43	Specification of Quads : 15;	All quads should have lifting hook and forklift provision for lifting.	Yes / No / Explain		
44	Specification of Quads : 16;	Four numbers of good quality wheel with breaking system shall be provided for each (4 x 4) matrix quads.	Yes / No / Explain		
45	Specification of quads : 17; Brazing	The brazing will be carried out as per the standard ASME IX-2004 edition.	Yes / No / Explain		
46	Specification of Quads : 18; Tests	The following tests shall be carried out and all test certificates shall be produced at the time of final inspection and dispatch clearance.	Yes / No / Explain		

47	Specification of Quads: 18 (a); Material test:	The material certificates, detailing the physical and chemical properties of MS square frame, channel, backing plate & top plate and Copper manifold / pig tail/hose tubes shall be produced.	Yes / No / Explain		
48	Specification of Quads: 18 (b); Dimensional check:	The overall dimensions of quads including the thickness of main square frame, manifold cover square frame and all channels / backing plate / Top holding plate thickness shall be verified and certified. Tare weight of the quads is also confirmed.	Yes / No / Explain		
49	Specification of Quads: 18 (c); Dye penetration test:	All the joints will be qualified by DP test.	Yes / No / Explain		
50	Specification of Quads: 18 (d); Leak test:	It shall be carried out at 220 barg. No bubble leakage is admissible with snoop solution in all welding joints, valves and threaded portion. There will not be any pressure drop for the minimum test duration of 30 minutes.	Yes / No / Explain		
51	Specification of Quads: 18 (e); Pneumatic test:	The pneumatic test of manifold or piping/tubing shall be carried out at 1.1 times of MAWP.	Yes / No / Explain		

52	Specification of Quads: 19; Inspection:	The third party inspection agency shall witness all above mentioned tests. The name of the TPI agency shall be mentioned along with your quotation. Leak test and pneumatic test shall be witnessed by both IPRC Engineer and TPI agency. All other test reports duly approved by TPI agency shall be reviewed by IPRC representative at the time of leak or pneumatic tests. Final dispatch clearance shall be issued by IPRC.	Yes / No / Explain		
53	Specification of Quads: 20 (a); Conditioning of the quad prior to dispatch:	After completing all tests, the quads shall be cleaned, dried, media substituted with Gaseous Nitrogen. The media substitution shall be carried out to reduce impurities level as given below: Oxygen : $\leq 3$ ppm Moisture : $\leq 5$ ppm	Yes / No / Explain		
54	Specification of Quads: 20(b); Conditioning of the quad prior to dispatch:	The quads shall be filled with gaseous Nitrogen at a partial pressure of 5 barg. The purity of Nitrogen gas in quads after media substitution shall be confirmed by producing analysis report.	Yes / No / Explain		

55	Specification of Quads: 21 (a); The fabricator shall use wheel operated valves and gauges procured only from the following reputed manufacturers and relevant test certificates shall be produced along with the consignment.	Cylinder valves: Make: Swagelok / Tekno / Sherwood / Harrison / Parker	Yes / No / Explain		
56	Specification of Quads: 21 (b); The fabricator shall use wheel operated valves and gauges procured only from the following reputed manufacturers and relevant test certificates shall be produced along with the consignment.	Pressure Gauges: Make: Odin / Wika / Swagelok / DH-Buderberg / Ametek	Yes / No / Explain		
57	Specification of Quads: 22;	Quads will be dispatched after obtaining dispatch clearance note from IPRC, Mahendragiri.	Yes / No / Explain		
58	DOCUMENTATION:		-		
59	Documentation: 1(a); The supplier has to furnish the following details along with quotation:	Make of cylinders, wheel operated valves fitted in cylinders including part numbers, wheel operated valves mounted in manifolds and pressure gauges with detailed specification and catalogue.	Yes / No / Explain		



60	Documentation: 1(b) The supplier has to furnish the following details along with quotation:	Detailed specification of wheel operated cylinder valves with part no./ series number with catalogue.	Yes / No / Explain		
61	Documentation: 1(c); The supplier has to furnish the following details along with quotation:	Details of TPI agency.	Yes / No / Explain		
62	Documentation: 1(d); The supplier has to furnish the following details along with quotation:	Details of fabrication unit.	Yes / No / Explain		
63	Documentation: 1(e); The supplier has to furnish the following details along with quotation:	The list of companies / clients to whom executed similar orders for fabrication & supply of gaseous Helium/ any other gas quads with working pressure minimum 200 bar in last seven years along with copy of purchase orders. The quad size, cylinder water capacity and no. of cylinders shall be given along with quotation. This will be considered as key criteria for evaluation of Supplier's capability.	Yes / No / Explain		
64	Documentation: 1(f); The supplier has to furnish the following details along with quotation:	Third Party Inspection Charges for stage wise inspection shall be included in basic price.	Yes / No / Explain		
65	Documentation: 1(g); The supplier has to furnish the following details along with quotation:	The supplier must furnish the compliance statement with respect to the technical specification indicating clearly deviations if any.	Yes / No / Explain		

66	Documentation: 1(h); The supplier has to furnish the following details along with quotation:	Any other details relevant to the fabrication of quads.	Yes / No / Explain		
67	Documentation: 1(i); The supplier has to furnish the following details along with quotation:	Acceptance for providing all certificates as given in terms and conditions.	Yes / No / Explain		
68	Documentation: 2(a), The following certificates to be furnished before fabrication of quads for clearance and acceptance of new cylinders.	The final quad drawings for (9x6) matrix and (4x4) matrix indicating dimensional details, manifold details and bill of materials etc.	Yes / No / Explain		
69	Documentation: 2(b); The following certificates to be furnished before fabrication of quads for clearance and acceptance of new cylinders.	Copy of approval from PESO, Nagpur for filling GHe in cylinders.	Yes / No / Explain		
70	Documentation: 2(c); The following certificates to be furnished before fabrication of quads for clearance and acceptance of new cylinders:	Copy of Cylinders inspection certificate, material testing certificate issued by cylinder manufacturer as per IS-7285 / BIS certificate.	Yes / No / Explain		
71	Documentation: 3(a); The following documents shall be submitted along with quads:	Guarantee certificate of Helium cylinders, Valves fitted in cylinders, valves mounted in manifolds, pressure gauges and manifolds, etc.	Yes / No / Explain		

72	Documentation: 3(b); The following documents shall be submitted along with quads:	Copy of approval from PESO, Nagpur for filling GHe in cylinders duly endorsed by TPI.	Yes / No / Explain		
73	Documentation: 3(c); The following documents shall be submitted along with quads:	Cylinders inspection certificate, material testing certificate issued by cylinder manufacturer as per IS-7285 / BIS certificate duly endorsed by TPI agency.	Yes / No / Explain		
74	Documentation: 3(d); The following documents shall be submitted along with quads:	Pressure Gauges calibration certificates duly endorsed by TPI.	Yes / No / Explain		
75	Documentation: 3(e); The following documents shall be submitted along with quads:	The material certificates, detailing the physical and chemical properties of MS square frame, channel, backing plate & top plate and Copper manifold / pig tail/hose tubes duly endorsed by TPI.	Yes / No / Explain		
76	Documentation: 3(f); The following documents shall be submitted along with quads:	Test Certificates of Cylinder valves and Manifold valves duly endorsed by TPI.	Yes / No / Explain		
77	Documentation: 3(g); The following documents shall be submitted along with quads:	Test certificates and inspection reports duly endorsed by TPI as per QAP (Table: 1).	Yes / No / Explain		

78	Pre-Qualification criteria:1;	The bidder shall be either ISO certified cylinder manufacturer or they have to get cylinders from ISO certified manufacturer. The make of cylinders shall be specified by the bidder. The bidder shall submit approval copy from PESO, Nagpur for filling Ghe in cylinders.	Yes / No / Explain		
79	Pre-Qualification criteria:2;	The bidder shall provide proof for having executed similar type of orders for fabrication & supply of Gaseous Helium / any other gas quads with the minimum pressure of 20 MPa within last seven years. Purchase order copy and Third party inspection release note or acceptance note from the client shall be provided.	Yes / No / Explain		
80	Pre-Qualification criteria:3;	The bidder shall furnish profit sheet for three years out of last five years with auditor certificate.	Yes / No / Explain		

### Supporting Documents required from Vendor

1. ISO certificate of the company.

2. Last seven years purchase order copies for fabrication & supply of Helium / any other gas quads with minimum working pressure of 200 bar with TPI clearance note of quads

5 additional documents can be uploaded by the vendor

## C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	Quads should be supplied to IPRC, Mahendragiri.	Yes / No / Explain	
2	GHe quads should be packed in good condition to avoid any transit damages.	Yes / No / Explain	
3	All quads should be supplied with Nitrogen gas having a positive pressure of 5 bar.	Yes / No / Explain	
4	The quads shall be guaranteed / warranted for satisfactory performance over a period of 12 months from the date of delivery.	Yes / No / Explain	
5	The valve of all quads should be brass wheel operated	Yes / No / Explain	
6	Taxes and other costs, if any: (Specify) IPRC/ISRO is eligible to avail Concessional rate of GST@5% shall be paid extra against Ministry of Finance, Dept. of Revenue Notification No. 1/2017 Integrated Tax (Rate), Schedule-I; Sl. No. 243B dated 28/06/2017 as amended by Notification No. 07/2018 & 25/2018 Integrated Tax (Rate) dated 31.12.2018 and Government of Tamil Nadu, Commercial Taxes & Registration (B1) Department G.O(Ms) No.18 Dtd. 25/01/2018 & Schedule-I; Sl. No. 243 B as per the amendment dated 31.12.2018 (Amendment G.O(Ms)No.170 dated 31/12/2018). Please note and quote accordingly.	Yes / No / Explain	
7	Validity of Offer (specify)	Yes / No / Explain	
8	Delivery Period (specify)	Yes / No / Explain	
9	Delivery Terms: Normal delivery terms - FOR Destination (i.e., IPRC, Mahendragiri)	Yes / No / Explain	
10	PAYMENT TERMS - Our normal payment terms is 100% within 30 days of receipt and acceptance of the items (No advance payment allowed). Specify your payment terms.	Yes / No / Explain	

11	<p>Security Deposit: Supplier shall submit an interest free Security Deposit for an amount equivalent to 3% of the order value, obtained through Bank Guarantee or fixed deposit receipt from any of the Nationalized/Scheduled Banks executed on non-judicial stamp paper of Rs.200/- value, and shall be kept valid for a period of sixty days beyond the date for completion of the Purchase Order. The Security Deposit can be submitted within 15 days from date of PO.</p> <p>1.In case of BG, confirmation for issued BG may be sent by issuing Bank/Branch to : IFSC Code: SBIN0000880; SBI, Nagercoil Branch.</p> <p>2.In case of FDR, the lien should be marked to Sr. Accounts Officer, IPRC, Mahendragiri.</p> <p>3.In case of DD, it should be drawn in the favour of Sr. Accounts Officer, IPRC, Mahendragiri, payable at Mahendragiri.</p>	Yes / No / Explain	
12	Confirm: Conditions for BIDDER FROM A COUNTRY WHICH SHARES LAND BORDER WITH INDIA	Yes / No / Explain	
13	Name, Address, Contact No, E-mail Id etc. (specify):	Yes / No / Explain	
14	Currency quoted (specify)	Yes / No / Explain	
15	Warranty / Guarantee Period: (specify)	Yes / No / Explain	
16	Only Class-I and Class-II Local suppliers as per Make in India Policy are eligible to participate in the bid. Percentage of Local Content for the offered item / items shall be specified	Yes / No / Explain	
17	Liquidated Damages - Delivery is the essence of the order. If delivery is delayed beyond the stipulated delivery period, LD at 0.5% per week shall be recovered subject to a maximum of 10% of order value of undelivered items	Yes / No / Explain	
18	MSE preference is applicable only against the claim of the manufacturer and production of documentary evidence by the manufacturer	Yes / No / Explain	

19	Bank Details (State Bank of India, Mahendragiri, Tirunelveli (Dist) - 627 133) Details of your bank shall be furnished.	Yes / No / Explain	
20	Percentage of Local Content shall be declared in the prescribed format attached. For the items sold by the bidders as a resellers, Country of Origin Certificate from your OEM shall be submitted mandatorily.	Yes / No / Explain	
21	PERFORMANCE BANK GUARANTEE: Supplier shall furnish Performance Bank Guarantee for an amount equivalent 3% of order value on Non-Judicial stamp paper of appropriate value, obtained from any of the scheduled / nationalized Banks, valid for a period of 60 days beyond completion of warranty period.	Yes / No / Explain	
22	Any other terms	Yes / No / Explain	

### C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Remark
1	HELIUM: Supply of gaseous Helium quads (9 x 6) matrix	6.00 Nos.		-		
2	HELIUM: Supply of gaseous Helium quads (4 x 4) matrix	4.00 Nos.		-		
3	TRANSPORTATION CHARGES	1.00 Lot		-		