

**GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
VIKRAM SARABHAI SPACE CENTRE (VSSC)
THIRUVANANTHAPURAM**

**Tender for Design ,supply, installation & commissioning of Helium
Recovery and Purification Unit at VSSC**

Bids to be submitted online

Tender No.: VSSC/PURCHASE UNIT III (SPRE)/VS202400092101 dated 25-04-2024

A. Tender Details

Tender No :	VSSC/PURCHASE UNIT III (SPRE)/VS202400092101
Tender Date :	25-04-2024
Tender Classification:	GOODS
Purchase Entity :	PURCHASE UNIT III (SPRE)
Centre :	VIKRAM SARABHAI SPACE CENTRE (VSSC)

Design ,supply, installation & commissioning of Helium Recovery and Purification Unit at VSSC

This is a TWO-PART Tender. Tenders are requested to attach the Techno-Commercial Bid and Price Bid separately. The techno-commercial bid shall only be attached in the 'Supporting Documents' template and Price bid in the 'Price Bid Related Documents' template.

Please read our terms and conditions carefully before bid submission.

Only online tenders will be accepted. No manual / Postal / e-mail / fax offers will be entertained.

Foreign vendors are not permitted to quote. Only Class-I and Class-II Local suppliers as per Make in India Policy are eligible to participate in the bid. Quotations directly from foreign OEM/ or from agents quoting on behalf of foreign OEMs are not allowed to participate in this tender

A.1 Tender Schedule

Bid Submission Start Date :	01-05-2024 16:50
Bid Clarification Due Date :	17-05-2024 12:00
Bid Submission Due Date :	06-06-2024 14:00
Bid Opening Date :	06-06-2024 14:01
Price Bid Opening Date :	16-07-2024 14:00

B. Tender Attachments

Technical Write-up/Drawings

[Document : PFD AND PID for Helium Recovery and purifications](#)

[Document : FV1 -HERPU Specification Sheet cum Compliance Matrix Annexure 1](#)

[Document : FV 20.02.2024 TECHNICAL SPECIFICATION FOR Helium Recovery and purifications](#)

Instructions To Vendors

4. PPP Make in India(Non- Divisible Items-All Classes of Suppliers)

1. A committee (with an external expert from a practicing cost accountant or practicing chartered accountant, if required) constituted for independent verification shall verify the self-declarations & auditor's / accountant's certificates on random basis, as per the requirements.

2. a) The subject item falls under Non-divisible category. b) The offers are sought from all classes of suppliers.

3. Definitions: A supplier or service provider, whose goods, services or works offered for procurement, has local content: a) Equal to or more than 50% : Class-I local supplier. b) Minimum 20% but less than 50% : Class-II local supplier. c) Less than 20% : Non-local supplier.

4. False declarations will be in breach of code of the integrity for which a bidder or its successor's will not be eligible/debarred for purchase preference from further tenders / pending tenders for two years along with other actions as may be applicable.

5. In case of a complaint received from any local supplier indicating a need for review / verification of Local content of successful vendor / awarded vendor, for accepting a complaint from such complainant (w.r.t the false declaration given by the successful vendor on the local content), a complaint fee of Rs.2Lakhs or 1% of the locally manufactured items being procured (subject to a maximum Rs. 5Lakhs), whichever was higher, to be paid by demand draft by the complainant. In case, the complaint is found to be incorrect, the complaint fee shall be forfeited. In case, the complaint is upheld and found to be substantially correct, deposited fee of the complainant would be refunded without any interest.

6. In cases the quoted price is in excess of Rs.1000 Lakhs (including duties, taxes and freight & Insurance) the 'Class-I & II local supplier shall provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing

chartered accountant (in case of suppliers other than companies) giving the percentage of local content.

7. In line with Public Procurement (Preference to Make in India), Order 2017 & its amendments issued by Govt. of India from time to time with a view to support the Indian industries, ISRO has implemented "Purchase Preference Policy". The "Purchase Preference" is applicable for the "Class-I Local Supplier" for the goods/ services/ works covered in this tender, subject to the following terms & conditions:-

8. 'L1' means the lowest technically accepted tender / bid / quotation (i.e. lowest landed cost including duties, taxes and freight & Insurance).

9. 'Local content' means the amount of value added in India (i.e. indigenous items/services added in the offered products/ services/ works) be the total value of the item offered (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties/IGST) as a proportion of the total value (excluding net domestic indirect taxes), in percent.

10. 'Margin of purchase preference' means the maximum extent to which the price quoted by the "Class-I local supplier" above the L1 (landed cost).

11. Purchase Preference Policy:- Goods/Works which are not divisible (ie., required quantity is 1 or as a package) and Services:

a) If L1 is from a 'Class-I local supplier', the contract will be awarded to L1 bidder.

b) If L1 is not from a 'Class-I local supplier', the lowest bidder among the 'Class-I local supplier' will be invited to match the L1 price subject to local supplier's quoted price falling within the margin of purchase preference (i.e. 20%) and the contract shall be awarded to such 'Class-I local supplier' subject to matching the L1 price (inclusive of duties, taxes and freight & insurance).

c) In case such lowest eligible 'Class-I local supplier' fails to match the L1 price, the 'Class-I local supplier' with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on, and order/contract shall be awarded accordingly. In case where none of the 'Class-I local supplier' within the margin of purchase preference agree to match the L1 price, then the order/contract shall be awarded to the original L1 Bidder.

12. The 'Class-I & II local supplier' should provide a "Self Certification" along with technical offer indicating that the item offered meets the minimum local content [as per Sl. No.(3)] as called for in the tender and provide the percentage of local content along with details of the location(s) at which the local value addition is made. In case of two bid tenders, it is mandatory to indicate compliance to MLC(minimum Local Content) in technical bid zone.

13. The ink-signed certificate shall be provided on vendors letter head along with the offer (in case of online tender, copy of ink-signed certificate shall be uploaded along with your offer under concerned tab. Original in Hard copy shall be produced on request). In case of non-submission of certificate, the

purchase preference shall not apply.

14. The margin of Purchase Preference shall be up to 20%.

15. The Public Procurement (Preference to Make in India), Order 2017 issued by Govt. of India indicates that if there are any general or specific restrictive clauses to restrict participation of Indian companies in those countries procurement tenders, reciprocity clause need to be invoked as per the order. Hence, if ISRO or Govt. of India come across that Indian suppliers of an item are not allowed to participate and / or compete in procurement by your government, the bid submitted by you will be not be considered and excluded from eligibility for procurement. Please note this point.

16. Works means all works as per Rule 130 of GFR- 2017, and will also include 'turnkey works'. Works includes Engineering, Procurement and Construction (EPC) contracts and services include System Integrator (SI) contracts.

5. Specific Terms and Conditions to Tender (GTE Compliant)

1. (I) Please quote applicable GST separately.

2. (II) Our standard delivery term is FOR, VSSC. In case any vendor offers delivery term of Ex-works, Packing and Forwarding charges if any should be indicated separately either as a percentage of the quoted rate or as a Lumpsum amount.

3. (III) Our standard payment term is 100% within 30 days after receipt and acceptance of the items at our site (after installation and commissioning in cases where installation and commissioning is required). In case of Foreign quote standard payment term is 100% Sight Draft with bank charges to respective accounts.

4. (IV) Liquidated Damages: The delivery period quoted should be realistic. The delivery period so quoted and mentioned in the order is the essence of the order/contract. In case of delay in delivery of material as per the delivery schedule, Liquidated Damage @ 0.5% per week or part thereof on the undelivered portion subject to a maximum of 10% of the contract value shall be levied. Wherever, installation and commissioning is also involved, the supply will be deemed to have been completed only when the entire Stores is supplied, installed and accepted.

5. (V) Performance Bank Guarantee: Wherever products offered carry warranty, the warranty should be for one year or as per manufacturers standard warranty term. Against such cases, please confirm submission of Performance Bank Guarantee. The Performance Bank Guarantee should be for 3% of the order value covering the warranty period obtained from any Scheduled Bank on Rs.200/- Non Judicial Stamp Paper and should be valid beyond 2 months from the completion of the warranty period. Alternately vendors can request for withholding 3% payment till completion of the warranty period.

6. (VI) Security Deposit: Wherever the offer value is Rs. 5.00 Lakhs or above, the successful tenderer should submit Security Deposit @ 3% of the order value by way of Bank Guarantee / FD Receipt. The Bank Guarantee shall be obtained from any Scheduled Bank on Rs.200/- Non Judicial Stamp Paper and should be valid beyond 2 months from the completion of all contractual obligations. If the Contractor is called upon by the Purchaser to deposit, Security and the Contractor fails to provide the security within the period specified, such failure shall constitute a breach of the Contract, and the Purchaser shall be entitled to make other arrangements for the re-purchase of the stores Contracted at the risk of the Contractor. In case if Security Deposit is submitted and the contractor fails to execute the order, then the security deposit will be forfeited.

7. (VII) Note: SD, LD and PBG clauses are mandatory and offers of the vendors who have not agreed for the above conditions will be excluded from the procurement process. Micro and Small Vendors are not exempted from the submission of Security Deposit. Only Govt Departments/PSUs/PSEs can submit Indemnity Bond instead of Bank Guarantee towards SD/PBG.

8. (VIII) Please upload the Technical Details / Catalogue / Data Sheets (wherever applicable)

9. (IX) The offer should be valid for a period of minimum 90 days from the date of opening of Tender and 180 Days for PT Two Part (120 Days for Technical Bid and 60 Days for Price Bid from the date of opening).

10. (X) In order to avail of the benefits extended to by Govt. of India to the Micro and Small Sectors, please submit attested copy of the valid Entrepreneur Memorandum Part-II signed by the General Manager, District Industries Centre / Udyog Adhar / NSIC Registration Certification along with your offer.

11. (XI) If any bidder submits forged / false document along with the tender, offer of such vendors will be summarily rejected and such bidders will be blacklisted for all future tenders.

12. (XII) Wherever samples are required to be submitted along with the quotation, offer without sample will not be considered.

13. (XIII) The other attached forms are our standard terms and conditions, which are to be complied with. If any conflict arise between the specific terms and standard terms, then in those cases, the specific terms will prevail over the standard terms.

14. (XIV) Purchase preference to eligible vendors are applicable as per extant notifications issued by the Government of India.

15. (XV-a) This tender is open for all class of suppliers i. e Class I, Class II and non local suppliers as defined in DPIIT order on Make In India initiative dtd 16/09/2020 and its revisions. Purchase preference

as per extant guidelines will be applicable for Class I local suppliers.

16. (XV-b) Foreign OEMs/Agents quoting on behalf of Foreign OEMs are permitted to quote. High Sea Sales Quotes not preferred generally. The bids shall be in INR/appropriate foreign currency.

17. (XVI) Definitions: A supplier or service provider, whose goods, services or works offered for procurement, has local content: a) Equal to or more than 50% : Class-I local supplier. b) Minimum 20% but less than 50% : Class-II local supplier. c) Less than 20% : Non-local supplier.

18. (XVII) Local content means the amount of value added in India (i.e. indigenous items/services added in the offered products/services/works) be the total value of the item offered (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties/IGST) as a proportion of the total value (excluding net domestic indirect taxes), in percent. Indicate extent of Minimum Local Content in offered product/service and location of such value additions.

19. (XVIII) The Class-I & II local supplier should provide a Self Certification along with your offer in PDF format indicating that the item offered meets the minimum local content as called for in the tender as mentioned above and provide the % of local content along with details of the location(s) at which the local value addition is made. In case of two part tenders, it is mandatory to indicate compliance to MLC(minimum local content) in technical bid itself.

20. (XIX) The Class-I/Class-II Local suppliers, at the time of submitting their offer, shall also indicate percentage of local content and provide self-certification that the item (s) offered meets the local content requirement for Class-I/Class-II Local Suppliers as the case may be. They shall also give details of location (s) at which the local value addition is made.

21. (XX) In cases if the item(s) offered exceed Rs. 10 Crores, the Class-I/Class-II Local Suppliers shall provide a Certificate from the statutory auditor or cost auditor of the company (in case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.

22. (XXI) False Declarations will be in breach of the 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 two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.

23. (XXII) Purchase Preference Policy:- Goods/Works which are divisible in nature (required quantity is greater than 1 or not a package basis): i. If L1 is 'Class-1 local supplier', the order/contract for full quantity shall be awarded to L1 bidder. ii. If L1 bid is not from a 'Class-I local supplier', 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the 'Class-I local supplier'

will be invited to match the L1 price for the remaining 50% quantity subject to the Class-I local supplier's quoted price falling within the margin of purchase preference (i.e. 20%) and contract for that quantity shall be awarded to such Class-I local supplier subject to matching the L1 price (inclusive of duties, taxes and freight & insurance). iii. In case such lowest eligible 'Class-I local supplier' fails to match the L1 price or accepts less than the offered quantity, the next higher 'Class-I local supplier' within the margin of purchase preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In cases where none of the 'Class-I local supplier' within the margin of purchase agree to match L1 price, in such cases 100% quantity shall be ordered on original L1 bidder. iv. In case no offers are received from 'Class-I local supplier' or none of the 'Class-I local supplier' falls within the margin of purchase preference of 20%, the order shall be processed on L1 vendor. v. In case L1 bidder (not a 'Class-I local supplier') is not accepting splitting of order on 50:50 basis, in that case the order/contract shall be awarded to such 'Class-I local supplier' for full quantity subject to matching the L1 price. vi. Regarding MSEs (Indian vendors): a) The following additional aspect as indicated below would be applicable for procurement which are falls under divisible category (i.e., not applicable for indivisible category), in case of participation of MSEs in the tendering who are also complying to the Minimum Local Content (MLC) stipulated in the tender. b) If any Indian vendor satisfies the requirement of MSEs stipulation and also falls within the purchase preference margin as called for in MSME policy (in case of matching L1 price) will be considered for ordering 25% of tendered quantity, the balance quantity / works will be considered for distribution amongst all bidders (including MSEs) as per the purchase preference policy. c) In case no MSEs qualifies for purchase preference or do not match with L1 price then the total tendered quantity will be distributed amongst all bidders as per the purchase preference policy.

24. Purchase Preference Policy:- Goods/Works which are not divisible in nature (required quantity is 1 or on a package basis):

i. If L1 is 'Class-1 local supplier', the order/contract for full quantity shall be awarded to L1 bidder. ii. If L1 bid is not from a 'Class-I local supplier', then, the lowest bidder among the 'Class-I local supplier' will be invited to match the L1 price subject to the Class-I local supplier's quoted price falling within the margin of purchase preference (i.e. 20%) and contract for that quantity shall be awarded to such Class-I local supplier subject to matching the L1 price (inclusive of duties, taxes and freight & insurance). iii. In case such lowest eligible 'Class-I local supplier' fails to match the L1 price , the next higher 'Class-I local supplier' within the margin of purchase preference shall be invited to match the L1 price and so on, and contract shall be awarded accordingly. In cases where none of the 'Class-I local supplier' within the margin of purchase agree to match L1 price, in such cases the contract shall be placed on original L1 bidder. iv. In case no offers are received from 'Class-I local supplier' or none of the 'Class-I local supplier' falls within the margin of purchase preference of 20%, the order shall be processed on L1 vendor.

6. Specific Terms and Conditions to Tender (detailed)

1. As per Notification No. 5/2018-CUSTOMS DTD. 25/01/2018, we are eligible for concessional

payment of customs duty and IGST. Hence CD & IGST element shall be specified separately in the quotation. Necessary exemption certificate shall be issued upon request.

2. If any bidder submits forged / false document along with the tender, offer of such vendors will be summarily rejected and such bidders will be blacklisted for all future tenders.

3. In case if any Bidder is submitting their Offer on HIGH SEA SALES BASIS: then the Indian Trader shall submit the following documents mandatorily along with their offer.

- a. The Import Export Code of the Indian Trader
- b. Bank Authorization Code of the Indian Trader
- c. GSTIN of the Indian Trader

4. In case of Foreign/Import Tenders:

- a. The bidder shall clearly mention the full ordering address in capital letters.
- b. The bidder shall clearly mention their bankers address including their SWIFT code compulsorily.
- c. Any change of address shall be compulsorily supported by Documentary proof issued either by Governmental agencies or by Chamber of Commerce.
- d. Foreign Principals Proforma Invoice/quote indicating the Agency Commission payable to the Indian Agent and the nature of after sales service to be rendered by the Indian Agent.
- e. Copy of the Agency Agreement between the Foreign Principal and the Indian Agent, and the precise relationship between them their mutual interest in the business.
- f. Registration and Item empanelment of the Indian Agent.

5. In order to avail of the benefits extended to by Govt. of India to the Micro and Small Sectors, please submit attested copy of the valid Entrepreneur Memorandum Part-II signed by the General Manager, District Industries Centre / Udyog Adhar / NSIC Registration Certification along with your offer.

6. Likewise, while executing the Purchase Order/Contract; the Indian Trader shall mandatorily submit the following:

- a. High Sea Sale Agreement.
- b. Invoice pertaining to the Indian Trader in INR and the invoice of the foreign vendor in foreign currency.

7. Liquidated Damages: The delivery period quoted should be realistic. The delivery period so quoted and mentioned in the order is the essence of the order/contract. In case of delay in delivery of material as per the delivery schedule, Liquidated Damage @ 0.5% per week or part thereof on the undelivered portion subject to a maximum of 10% of the contract value shall be levied. Wherever, installation and commissioning is also involved, the supply will be deemed to have been completed only when the entire Stores is supplied, installed and accepted.

8. Note: SD, LD and PBG clauses are mandatory and offers of the vendors who have not agreed for

the above conditions will be excluded from the procurement process. Micro and Small Vendors are not exempted from the submission of Security Deposit. Only Govt Departments/PSUs/PSEs can submit Indemnity Bond instead of Bank Gurantee towards SD/PBG.

9. Our standard delivery term is FOR, VSSC. In case any vendor offers delivery term of Ex-works, Packing and Forwarding charges if any should be indicated separately either as a percentage of the quoted rate or as a Lumpsum amount.

10. Our standard payment term is 100% within 30 days for indigenous orders and Sight Draft for foreign orders.

11. Performance Bank Guarantee: Wherever products offered carry warranty, the warranty should be for one year or as per manufacturers standard warranty term. Against such cases, please confirm submission of Performance Bank Guarantee. The Performance Bank Guarantee should be for 3% of the order value covering the warranty period obtained from any Scheduled Bank on Rs.200/- Non Judicial Stamp Paper and should be valid beyond 2 months from the completion of the warranty period. Alternately vendors can request for withholding 3% payment till completion of the warranty period.

12. Please quote applicable GST separately.

13. Please upload the Technical Details / Catalogue / Data Sheets (wherever applicable)

14. Security Deposit: Wherever the offer value is Rs. 5.00 Lakhs or above, the successful tenderer should submit Security Deposit @ 3% of the order value by way of Bank Guarantee / FD Receipt. The Bank Guarantee shall be obtained from any Scheduled Bank on Rs.200/- Non Judicial Stamp Paper and should be valid beyond 2 months from the completion of all contractual obligations. If the Contractor is called upon by the Purchaser to deposit, Security and the Contractor fails to provide the security within the period specified, such failure shall constitute a breach of the Contract, and the Purchaser shall be entitled to make other arrangements for the re-purchase of the stores Contracted at the risk of the Contractor. In case if Security Deposit is submitted and the contractor fails to execute the order, then the security deposit will be forfeited.

15. The offer should be valid for a period of minimum 90 days from the date of opening of Tender.

16. The other attached forms are our standard terms and conditions, which are to be complied with. If any conflict arise between the specific terms and standard terms, then in those cases, the specific terms will prevail over the standard terms.

17. Where agents participate in a tender;

(a) 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.

(b) If an agent submits bid on behalf of the 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.

18. Wherever samples are required to be submitted along with the quotation, offer without sample will not be considered.

7. Instructions to Vendors

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.

8. PROFORMA FOR INSTRUCTIONS TO TENDERERS AND TERMS & CONDITIONS OF TENDER (IG)

1. (a) All available technical literature, catalogues and other data in support of the specifications and details of the items should be furnished along with the offer.

(b) Samples, if called for, should be submitted free of all charges by the tenderer and the Purchaser shall not be responsible for any loss or damage thereof due to any reason whatsoever. In the event of nonacceptance of tender, the tenderer will have to remove the samples at his own expense.

(c) Approximate net and gross weight of the items offered shall be indicated in your offer. If dimensional details are available the same should also be indicated in your offer.

(d) Specifications: Stores offered should strictly confirm to our specifications. Deviations, if any, should 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 quotations. Test Certificates, wherever necessary, should be forwarded along with supplies. Wherever options have been called for in our specifications, the tenderer should address all such options. Wherever specifically mentioned by us, the tenderer could suggest changes to specifications with appropriate response for the same.

2. (a) All available technical literature, catalogues and other data in support of the specifications and details of the items should be furnished along with the offer.

(b) Samples, if called for, should be submitted free of all charges by the tenderer and the Purchaser shall not be responsible for any loss or damage thereof due to any reason whatsoever. In the event of nonacceptance of tender, the tenderer will have to remove the samples at his own expense.

(c) Approximate net and gross weight of the items offered shall be indicated in your offer. If dimensional details are available the same should also be indicated in your offer. (d) Specifications: Stores offered should strictly confirm to our specifications. Deviations, if any, should 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 quotations. Test Certificates, wherever necessary, should be forwarded along with supplies.

Wherever options have been called for in our specifications, the tenderer should address all such options. Wherever specifically mentioned by us, the tenderer could suggest changes to specifications with appropriate response for the same.

3. 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. (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.

4. As a Government of India Department, this office is exempted from payment of Octroi and similar local levies. Tenderers shall ensure that necessary Exemption Certificates are obtained by them from the Purchase Officer concerned to avoid any payment of such levies.

- 5. a) Your offer should be valid for 90 days from the date of opening of the tender.
- b) 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 sets of units must be furnished.

6. DESPATCH: The Contractor is responsible for obtaining a clear receipt from the Transport Authorities specifying the goods despatched. The consignment should be despatched 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.

7. d) The term "Purchase Order" shall mean the communication signed on behalf of the Purchaser by an Officer duly authorised intimating the acceptance on behalf of the Purchaser on the terms and conditions mentioned or referred to in the said communication accepting the tender or offer of the Contractor for supply of stores or plant, machinery or equipment or part thereof.

8. 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 any other period or as to whether the nature of defects requires renewal or replacement, shall be final, conclusive and binding on the Contractor.

(f) To fulfill guarantee conditions outlined in (a) to (e) above, the Contractor shall, at the option of the Purchaser, furnish a Bank Guarantee (as prescribed by the Purchaser)

9. 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.

10. Preference will be given to those tenders offering supplies from ready stocks and on the basis of FOR destination/delivery at site.

11. 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.

12. REJECTED STORES:

Rejected stores will remain at destination at the Contractor's 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.

13. Sales Tax and/or other duties/levies legally leviable and intended to be claimed should be mentioned in the price bid template. If nothing is mentioned, then it will be presumed that the rate quoted is inclusive of all taxes/duties.

14. SECURITY DEPOSIT: Wherever, the Purchase Order value is Rs. 5.00 Lakhs or more, on acceptance of the tender, the Contractor shall, at the option of the Purchaser and within the period specified by him, deposit with him, in cash or in any other form as the Purchaser may determine, security deposit not exceeding ten percent of the value of the Contract as the Purchaser shall specify. If the Contractor is called upon by the Purchaser to deposit, 'Security' and the Contractor fails to provide the security within the period specified, such failure shall constitute a breach of the Contract, and the Purchaser shall be entitled to make other arrangements for the re-purchase of the stores Contracted at the risk of the Contractor in terms of Sub-Clause (ii) and (iii) of clause regarding Delivery. (b) hereof and/or to recover from the Contractor, damages arising from such cancellation.

15. TERMS & CONDITIONS OF TENDER

16. TEST CERTIFICATE: Wherever required, test certificates should be sent along with the despatch documents.

17. The authority of the person signing the tender, if called for, should be produced.

18. The Purchaser reserves the right to place order on the successful tenderer for additional quantity up to 25% of the quantity offered by them at the rates quoted.

19. 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 tenderers shall supply the same at the rates quoted.

20. The tenderer should supply along with his tender, the name of his bankers as well as the latest Income-Tax clearance certificate duly countersigned by the Income-Tax Officer of the Circle concerned under the seal of his office, if required by the Purchaser.

21. The term Contractor shall mean, the person, firm or company with whom or with which the order for the supply of Stores is placed and shall be deemed to include the Contractor's successors, representative, heirs, executors and administrators unless excluded by the Contract.

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

23. The term "Stores" shall mean what the Contractor agrees to supply under the Contract as specified in the Purchase Order including erection of plants & machinery and subsequent testing, should such a condition is included in the Purchase Order.

C. Bid Templates

C.1 Technical Bid - Design ,supply, installation & commissioning of Helium Recovery and Purification Unit at VSSC

1. Design supply installation and commissioning of Helium recovery and purification facility with a capacity of 2 m3/hr

Item specifications for Design supply installation and commissioning of Helium recovery and purification facility

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Design, Fabrication, supply, erection and commissioning of Helium Recovery and Purification System	Helium Recovery Unit - 1 No. Helium Purification Unit -1 No.	Yes / No / Explain		
2	Helium production capacity	2 m3/hr.	Yes / No / Explain		
3	Helium Purity (%)	≥99.99	Yes / No / Explain		
4	System shall consist of subsystems such as Helium storage tank, Helium recovery system, booster pump, Helium storage inflatable bag with level sensor, compressor, Filter elements, Membrane filter, Refrigerant Dryer, sensors, Cylinder bank etc	As per the attached technical specifications	Yes / No / Explain		
5	The unit should be capable of pressuring the Helium gas	Min 150 bar	Yes / No / Explain		
6	Party shall submit the preliminary P&ID of proposed setup along with the offer		-		

7	Procurement of bought components such as valves & fittings, instrumentation sensors (like helium & pressure), compressors, pressure booster and process indicators etc.	As per the attached technical specifications	Yes / No / Explain		
8	Party has to provide warranty for the entire deliverables including all the equipment, bought out items for a period of twenty-four months from the date of commissioning.		-		
9	Statutory approval from PESO for all applicable items under the scope of the party and supply necessary certificates to VSSC for setting of helium recovery and purification unit at VSSC, ISRO, Trivandrum, Kerala	As per the clause in the technical specifications	Yes / No / Explain		
10	HELIUM STORAGE INFLATABLE BALLOON BAG FOR RECOVERY UNIT		-		
11	MOC	Multi layered Polymeric bag suitable for Helium storage	Yes / No / Explain		
12	Shape	Inflatable with Cylindrical	Yes / No / Explain		
13	Capacity	Min. 2 m3	Yes / No / Explain		
14	Size (Dia and L)	To be designed by the party	Yes / No / Explain		
15	Make	SEILER /MICRO EPSILON/Equivalent	Yes / No / Explain		
16	Level Sensor measurement range	0 to 100 %	Yes / No / Explain		

17	Level Sensor Make	Siemens/Emerson Electric Co/ABB/Vega Grieshaber KG/Endress+Hauser	Yes / No / Explain		
18	Operating Pressure	0.5 bar (g)	Yes / No / Explain		
19	Burst Pressure	2 bar (g)	Yes / No / Explain		
20	Safety Port	Suitable safety port shall be provided in case of over pressurization of inflatable bag	Yes / No / Explain		
21	Breaking load in warp (kgf)	To meet the burst pressure requirement	Yes / No / Explain		
22	Breaking load in weft (kgf)	To meet the burst pressure requirement	Yes / No / Explain		
23	Elongation (%)	To meet the burst pressure requirement	Yes / No / Explain		
24	Drawing	Party should share the tentative drawing of raw helium storage bag during the submission of tender for evaluation.	Yes / No / Explain		
25	Helium leak tightness of the joints	10-5 mbar/l.sec	Yes / No / Explain		
26	Durability of the bag	Min 5 years	Yes / No / Explain		
27	Oil-Free Air COMPRESSOR		-		
28	Type of compressor	Screw or scroll	Yes / No / Explain		
29	Flow rate (working pressure 6-8 bar)	135 l.min-1	Yes / No / Explain		
30	Duty cycle	S1 - 100 %	Yes / No / Explain		
31	Noise level (1 m away from the compressor)	≤ 51.5 dB (A)	Yes / No / Explain		
32	Motor Power rating	1.2 kW	Yes / No / Explain		
33	Nominal voltage / frequency	230 V / 50 Hz	Yes / No / Explain		

34	Noise reduction cabinet	Yes	Yes / No / Explain		
35	Quantity	Min 4 no's	Yes / No / Explain		
36	Make of compressor	Seiler/ Atlas Copco/ ELGi	Yes / No / Explain		
37	HELIUM CONCENTRATION SENSOR		-		
38	Measuring range	0 to 100 %	Yes / No / Explain		
39	Make of Helium concentration Sensor	Seiler/Bhoomi/ Honeywell/RKI	Yes / No / Explain		
40	Quantity of He sensor	2 no's	Yes / No / Explain		
41	Resolution	0.01%	Yes / No / Explain		
42	Accuracy	± 0.01 % of FS	Yes / No / Explain		
43	Response Time (T-90)	Fast	Yes / No / Explain		
44	Vacuum Pump type	Rotary Vane pump	Yes / No / Explain		
45	Pumping speed at 50 Hz	5 m ³ /h	Yes / No / Explain		
46	Final Pressure	3x10 ⁻³ mbar	Yes / No / Explain		
47	Final pressure with gas ballast	3 x10 ⁻² mbar	Yes / No / Explain		
48	Exhaust pressure, min.	Atmospheric pressure	Yes / No / Explain		
49	Exhaust pressure, max.	1500 mbar	Yes / No / Explain		
50	Water vapour capacity 50 Hz	110 g/h	Yes / No / Explain		
51	Rotation speed at 50 Hz	3,000 rpm	Yes / No / Explain		
52	Cooling method	Air Fins	Yes / No / Explain		
53	Motor protection	3-phase motor	Yes / No / Explain		

54	Continuous gas input temperature, max.	40 °C	Yes / No / Explain		
55	Emission sound pressure level without gas ballast at 50 Hz	51 dB(A)	Yes / No / Explain		
56	Switch	No	Yes / No / Explain		
57	Input voltage(s)	230 V AC	Yes / No / Explain		
58	Mains cable	No	Yes / No / Explain		
59	Gas ballast flow	540 L/hr.	Yes / No / Explain		
60	Gas ballast pressure	≤ 1,500 mbar	Yes / No / Explain		
61	Make of Vacuum Pump	Pfeiffer /Edwards /Leybold	Yes / No / Explain		
62	BUFFER TANK		-		
63	MOC of Buffer tank	SS-316 L /SS-304 L	Yes / No / Explain		
64	ASME Standard	Section VIII Div 1	Yes / No / Explain		
65	Capacity of tank	5 L	Yes / No / Explain		
66	Operating Pressure in tank	1 to 2 bar (HRU)	Yes / No / Explain		
67	Operating Pressure in HPU	5 to 10 bar	Yes / No / Explain		
68	Design Pressure	15 Bar	Yes / No / Explain		
69	Pressure Sensor Measurement range	0 to 150 PSI/10 bar	Yes / No / Explain		
70	Pressure gauge	0 to 150 PSI/10 bar	Yes / No / Explain		
71	Quantity of Pressure Gauge	2 no.s (one in HRU & HPU)	Yes / No / Explain		
72	HELIUM MEMBRANE SPECIFICATIONS		-		
73	Material of Membrane Tube	SS-304	Yes / No / Explain		

74	Make of Membrane	EVONIK/ Generon/Linde	Yes / No / Explain		
75	Material of end caps	SS-304	Yes / No / Explain		
76	Max. Operating Pressure	Max 25 bar(a)	Yes / No / Explain		
77	Permeate Pressure	Min 0.4 Bar(a)	Yes / No / Explain		
78	Operating Temperature	Min 2 deg C and Max 70 deg C	Yes / No / Explain		
79	Total length of module, including end caps	632.0 mm	Yes / No / Explain		
80	Module tube outer diameter	48.3 mm	Yes / No / Explain		
81	Module end caps outer diameter	78.0 mm	Yes / No / Explain		
82	Connections	3 connectors type G 3/8"	Yes / No / Explain		
83	Separation capacity He	Min 545	Yes / No / Explain		
84	Selectivity He / N2	Min 90	Yes / No / Explain		
85	Quantity of membrane	Min. 2 no.s	Yes / No / Explain		
86	STORAGE TANK		-		
87	MOC of tank	SS-316 L /SS-304 L	Yes / No / Explain		
88	Capacity of storage tank	Min. 10 L	Yes / No / Explain		
89	Operating pressure of storage tank	5 to 10 bar (HRU) & 1 to 4 bar (HPU)	Yes / No / Explain		
90	Design Pressure of storage tank	15 bar	Yes / No / Explain		
91	Pressure Measurement range	0 to 150 PSI	Yes / No / Explain		
92	Accuracy of P gauge	≤ 0.5 % of FSI	Yes / No / Explain		
93	Pressure gauge range	0 to 10 bar / 0 to 150 PSI	Yes / No / Explain		

94	Design code	ASME Standard Section VIII Div 1	Yes / No / Explain		
95	Quantity of storage tank	2 nos.(one in HRU & HPU)	Yes / No / Explain		
96	REFRIGERANT AIR DRYER SPECIFICATIONS		-		
97	Make of Refrigerant Air Dryer	SMC/FESTO/ ATLAS COPCO/BEKO/ PNEUMATECH/HO NEYWELL/ HITACHI/ Chicago pneumatics/ Ingersoll Rand/ ELGI	Yes / No / Explain		
98	Capacity (L/Min)	100	Yes / No / Explain		
99	Power (kW)	0.75	Yes / No / Explain		
100	Refrigerant type	R134a	Yes / No / Explain		
101	Inlet Feed Max Temperature	40 Deg C	Yes / No / Explain		
102	Voltage	100 VAC (50Hz)	Yes / No / Explain		
103	Inlet Air Pressure	1.5 to 10 bar	Yes / No / Explain		
104	Drain Tube diameter (mm)	10	Yes / No / Explain		
105	Operating Pressure of dryer	4 to 7 bar	Yes / No / Explain		
106	Ambient Temperature	2 to 40 Deg C	Yes / No / Explain		
107	Auto drain	Yes	Yes / No / Explain		
108	Coating	Epoxy Coated MS	Yes / No / Explain		
109	Specification of Filter (Water/Oil/Mist Separator Cum Air Dryer)		-		
110	Make of filter	Standard	Yes / No / Explain		
111	Purpose	To remove any contamination present in feed line	Yes / No / Explain		

112	PRESSURE INDICATOR SPECIFICATIONS		-		
113	Pressure Range	Min 6 bar to Max 300 bar	Yes / No / Explain		
114	Dial Size	90 mm	Yes / No / Explain		
115	Connection Size	¼" NPT	Yes / No / Explain		
116	Mounting	Direct	Yes / No / Explain		
117	Case & Bazel	Polished Stainless Steel Case with positive Seal against , weather, moisture and dust	Yes / No / Explain		
118	Accuracy of pressure indicator	≤1 % FSI	Yes / No / Explain		
119	Dial Type	White background, black graduation scale with dual reading in bar and PSI .	Yes / No / Explain		
120	Make of pressure indicator	LIFECO/WIKA/EMERSON	Yes / No / Explain		
121	Quantity of pressure indicator	As per the requirement	Yes / No / Explain		
122	MANUAL PRESSURE REGULATOR		-		
123	Outlet Pressure	0 to 15 Bar	Yes / No / Explain		
124	Temperature range	-10 to 60 Deg C	Yes / No / Explain		
125	Regulating Gas composition	Mixture of He, N2, O2	Yes / No / Explain		
126	Body	SS304/SS316	Yes / No / Explain		
127	Bonnet	Zn/Al alloy Die Cast	Yes / No / Explain		
128	Stems, nuts and fittings	Brass	Yes / No / Explain		
129	Diaphragm	EPDM	Yes / No / Explain		
130	Seat sealing	PA	Yes / No / Explain		

131	Make of Manual Pressure Regulator	GCE/ Swagelok/ Honeywell/ Pressure Tech/ CONCOA/Tescom/B uTech	Yes / No / Explain		
132	Quantity of pressure indicator	As per the requirement & approved P&ID	Yes / No / Explain		
133	PRESSURE TRANSMITTER		-		
134	Measurement Range	0 to 20 bar (HRU before booster), 0 to 100 bar (HRU after booster), 0 to 20 bar (HPU before booster), and 0 to 300 bar (HPU after booster)	Yes / No / Explain		
135	Accuracy of Pressure transmitter	≤ 0.5 % FSI	Yes / No / Explain		
136	Response time	≤ 3 ms	Yes / No / Explain		
137	Make of Pressure transmitter	BD/ WIKA/EMERSON	Yes / No / Explain		
138	MOC of Sensing Material	Ceramic	Yes / No / Explain		
139	Operating Temperature range	-10 Deg C to 60 Deg C	Yes / No / Explain		
140	Pressure port	G 1/2"	Yes / No / Explain		
141	Electrical o/p	4-20 mA / 0-10V / 0-5V	Yes / No / Explain		
142	Quantity of pressure transmitter	As per the requirement & approved P&ID	Yes / No / Explain		
143	PRESSURE BOOSTER FOR RECOVERY UNIT		-		
144	Make of Pressure Booster	Haskel/Maximator/Hi P	Yes / No / Explain		
145	Type of booster	Single stage double acting air driven gas booster.	Yes / No / Explain		
146	Rated gas Outlet pressure	70 bar (minimum)	Yes / No / Explain		

147	Gas booster accessories	Outlet air pilot switch (to stop the gas booster when the outlet pressure reaches to adjusted set point), inlet gas filter, air filter, pressure gauges (to indicate drive air, gas inlet and outlet pressures), Safety relief valves to protect the system from over pressurization.	Yes / No / Explain		
148	HELIUM PRESSURE BOOSTER FOR FILLING UNIT		-		
149	Type	Double acting	Yes / No / Explain		
150	Inlet suction Pressure He gas	0.5 to 6 bar	Yes / No / Explain		
151	Make of booster	Haskel/Maximator/Hi P	Yes / No / Explain		
152	Inlet	¼" NPT	Yes / No / Explain		
153	Outlet	¼" NPT	Yes / No / Explain		
154	Air Drive	¼" NPT	Yes / No / Explain		
155	Maximum operating temperature	333 K	Yes / No / Explain		
156	Outlet pressure gauge (SS construction)	0-300 bar	Yes / No / Explain		
157	Adaptor	Suitable	Yes / No / Explain		
158	Pressure gauge make	Wika / Baurmer / Reotemp	Yes / No / Explain		

159	Gas booster accessories etc,	Outlet air pilot switch (to stop the gas booster when the outlet pressure reaches to adjusted set point), inlet gas filter, air filter, pressure gauges (to indicate drive air, gas inlet and outlet pressures), Safety relief valves to protect the system from over pressurization.	Yes / No / Explain		
160	BALL VALVE		-		
161	MOC of ball valve	Stainless Steel	Yes / No / Explain		
162	Seat Materials	Reinforced PTFE/PEEK	Yes / No / Explain		
163	Seals Materials	Nitrile Rubber /Fluorocarbon rubber/ PTFE/Grafoil	Yes / No / Explain		
164	Pressure Rating	172 bar	Yes / No / Explain		
165	Temperature Rating	-20 to 300 Deg C	Yes / No / Explain		
166	Make of ball valve	Parker/Swagelok/DK lok	Yes / No / Explain		
167	Quantity of ball valve	Suitable No. s as per the approved P& ID by VSSC.	Yes / No / Explain		
168	CHECK VALVE		-		
169	Make of Check Valve	SMC/KSB/Oswal	Yes / No / Explain		
170	Quantity of Check Valve	Suitable No.s as per the approved P& ID by VSSC.	Yes / No / Explain		
171	End connections	Suitable to the line sizing as per P&ID	Yes / No / Explain		
172	SOLENOID VALVE		-		
173	Flow rate	0 to 200 LPM	Yes / No / Explain		
174	Make of Solenoid Valve	SMC/ROTEX/DANF OSS	Yes / No / Explain		

175	Voltage of Solenoid Valve	12 VDC	Yes / No / Explain		
176	Coil insulation type	Class B	Yes / No / Explain		
177	Applicable gas or ignition temperature of steam and explosion class	IIC T5	Yes / No / Explain		
178	Weather proof	IP 56	Yes / No / Explain		
179	Quantity of Solenoid Valve	As per the requirement & approved P&ID by VSSC	Yes / No / Explain		
180	PRESSURE RELIEVE VALVE		-		
181	Type of pressure relief valve	Spring loaded	Yes / No / Explain		
182	Sizes	Suitable Size as per the design	Yes / No / Explain		
183	Make pressure relief valve	Foust /Emerson/Swagelok/ BuTech/ Parker/HiP	Yes / No / Explain		
184	Pressure Relief Standard	ASME/VIII, API526/527, EN4126 and PED/CE	Yes / No / Explain		
185	Set Pressure	as applicable	Yes / No / Explain		
186	MASS FLOW METER		-		
187	Mass flow Measuring Range (kg/hr)	0 to 5	Yes / No / Explain		
188	MAKE Mass Flow Meter	SIEMENS/ABB/BAD GER	Yes / No / Explain		
189	Quantity Mass Flow Meter	2 No.s	Yes / No / Explain		
190	Accuracy of Mass Flow Meter	± 0.2 %	Yes / No / Explain		
191	PIPING AND ERMETO FITTING		-		
192	Piping Size	½ inch	Yes / No / Explain		
193	MOC of Piping Size	SS-304	Yes / No / Explain		

194	Make Piping	Parker/Fitok/Swage lock/ DK-Lok/ Hy-Lok	Yes / No / Explain		
195	CASCADE OF CYLINDERS		-		
196	Capacity of Cylinder	50 L	Yes / No / Explain		
197	Volume	Min 7.5 m3	Yes / No / Explain		
198	Pressure rating of Cylinder	200 bar	Yes / No / Explain		
199	Outer diameter (mm)	225 ±10 mm	Yes / No / Explain		
200	Height (mm)	1415 ± 20 mm	Yes / No / Explain		
201	Working Pressure	150 Bar	Yes / No / Explain		
202	Wall thickness	Min 5.7 mm	Yes / No / Explain		
203	Standard	ISO 9809-3	Yes / No / Explain		
204	Quantity of Cylinder	10 Cylinder	Yes / No / Explain		
205	TRAILER FOR HELIUM RECOVERY UNIT		-		
206	MOC trailer	Epoxy coated MS	Yes / No / Explain		
207	Dimensions (LXWXH)	3.3 m L x 2 m W x 3.2 m H (Approx. outer dimensions)	Yes / No / Explain		
208	Height from ground to base of Platform	~ 850 ± 10 mm	Yes / No / Explain		
209	No. of wheels	4	Yes / No / Explain		
210	Wheels Make	Standard	Yes / No / Explain		
211	Tyre Dia	720 ± 10 mm	Yes / No / Explain		
212	Standard fabrication	Trailer shall be fabricated with structural support of channels & platform of aluminum plate as per the standards	Yes / No / Explain		

213	Doors	Openable metal doors for operation & maintenance	Yes / No / Explain		
214	Positioning of Inflatable balloon	On top of Trailer	Yes / No / Explain		
215	Balloon Cabin cover	Should be foldable by doors	Yes / No / Explain		
216	Sheet Thickness	Min 6 mm	Yes / No / Explain		
217	Drawings	Party shall provide the details of trailer, its subsystems, V shaped Anchoring and its fastening mechanism with pilot vehicle.	Yes / No / Explain		
218	Interface Drawing connections	To be provided by the party	Yes / No / Explain		
219	Trailer movement	By Jeep	Yes / No / Explain		
220	ELECTRICAL CONTROLS WITH HMI		-		
221	Make of Electrical Controls with HMI	Schneider Electric/Siemens/Honeywell	Yes / No / Explain		
222	Total height of control panel	To be designed by the party	Yes / No / Explain		
223	Indications required	To be designed by the party	Yes / No / Explain		
224	HMI	For process control with touch interface and provision to collect the process data including Helium purity, pressure, etc., through an USB & ETHERNET interface for transferring to a PC/laptop.	Yes / No / Explain		
225	Data acquisition	Parameters logging and data back up	Yes / No / Explain		
226	Safety Systems	As per the attached technical specifications.	Yes / No / Explain		

Common Specifications (Applicable for all items)

Sl No	Specification	Value	Compliance	Offered Specification	Remark
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1	Design, Fabrication, supply, erection and commissioning of Helium Recovery and Purification System : Production Capacity : 2 m3/hr @ Purity ≥ 99.99	As per the attached technical specifications	Yes / No / Explain		
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Supporting Documents required from Vendor

- 1. Price bid in pdf format containing all the split-up cost of the unit. (Price Bid Related)**
- 2. 3 D model and 2 D drawing for trailer including interface**
- 3. Technical data sheet for Vacuum pump, Oil free air compressor, booster pump, pressure transmitter, Helium purity sensor, valves, fitting etc**
- 4. Plant layout indicating all sub system and their arrangement**
- 5. Specification data sheet/catalog for all instruments & subsystems**
- 6. Preliminary P&ID of Helium Recovery & Purification unit**

5 additional documents can be uploaded by the vendor

C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	Delivery schedule as per the attached specifications	Yes / No / Explain	
2	Training	Yes / No / Explain	
3	Warranty	Yes / No / Explain	
4	GST@5% for supply as per Ministry of Finance, Dept. of Revenue Notification No. 25/2018 Integrated Tax (Rate) Schedule-I; Sl.No.243B dated 31.12.2018 (Amendment to Notification No. 7/2018 - Integrated Tax (Rate) dated 25.01.2018 and Notification No. 1/2017 - Integrated Tax (Rate) dated 28.06.2017 GST@18% towards Installation charges	Yes / No / Explain	
5	Security Deposit (Applicable if Offer Value is Rs. 5 Lakhs or above. MSME/NSIC Units are NOT EXEMPTED from the payment of SD. Bank Guarantee @ 3% of Order Value valid till 60 days from the date of supply to be submitted. Mandatory compliance required. Only Government Bodies/PSUs/PSEs can submit Indemnity Bond in lieu of BG. In the event of non-performance of contractual obligations, SD will be forfeited).	Yes / No / Explain	
6	Delivery Terms(FOR VSSC)	Yes / No / Explain	
7	Delivery Period(AS per Technical Annexure)	Yes / No / Explain	
8	Liquidated Damages (Applicable beyond the delivery period mentioned in this tender @ 0.5% per week or part thereof on the undelivered portion subject to a maximum of 10% of the contract value. Mandatory compliance required).	Yes / No / Explain	
9	Warranty(Two Years)	Yes / No / Explain	

10	Performance Bank Guarantee (PBG) Bank Guarantee @ 3% of Order Value valid till the completion of warranty period plus 2 months claim period to be submitted. Mandatory compliance required. Only Government Bodies/PSUs/PSEs can submit Indemnity Bond in lieu of BG. In the event of non-performance of warranty obligations, PBG will be forfeited).	Yes / No / Explain	
11	Payment Term: (Our Default payment term: For indigenous orders: 100% within 30 days after receipt and acceptance of item at our site. NOTE: CONSEQUENT TO COVID 19 PANDEMIC AND AS PER EXTANT GUIDELINES FROM DEPARTMENT OF SPACE, NO ADVANCE PAYMENT IS PAYABLE TO THIS TENDER).	Yes / No / Explain	
12	Definitions: A supplier or service provider, whose goods, services or works offered for procurement, has local content: a) Equal to or more than 50% : Class-I local supplier. b) More than 20% but less than 50% : Class-II local supplier. c) Less than or equal to 20% : Non-local supplier. Mention your category.	Yes / No / Explain	
13	Local content means the amount of value added in India (i.e. indigenous items/services added in the offered products/services/works) be the total value of the item offered (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties/IGST) as a proportion of the total value (excluding net domestic indirect taxes), in percent. Indicate extent of Minimum Local Content in offered product/service and location of such value additions.	Yes / No / Explain	

14	The Class-I & II local supplier should provide a Self Certification along with your offer in PDF format indicating that the item offered meets the minimum local content as called for in the tender as mentioned above and provide the % of local content along with details of the location(s) at which the local value addition is made. In case of two part tenders, it is mandatory to indicate compliance to MLC(minimum local content) in technical bid itself. Confirm attachment of Self declaration along with the offer.	Yes / No / Explain	
15	PO Placement Address (with Name and Contact Details of sales person concerned).	Yes / No / Explain	
16	Any Other Terms	Yes / No / Explain	
17	Offer Validity(180 days)	Yes / No / Explain	
18	Mention the percentage of local content in the item	Yes / No / Explain	
19	Kindly confirm whether the quoted rate is inclusive or exclusive of GST	Yes / No / Explain	
20	Foreign vendors are not permitted to quote. Quotations directly from foreign OEM/ or from agents quoting on behalf of foreign OEMs are not allowed to participate in this tender	Yes / No / Explain	
21	Split up cost for supply, Installation, Commissioning, three years AMC charges, spare list with cost shall be attached in price bid related documents template	Yes / No / Explain	

C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Remark
1	Design supply installation and commissioning of Helium recovery and purification facility with a capacity of 2 m ³ /hr	1.00 Lumsm		-		

Common charges (Applicable for all items)

AMC Charges for 1st Year after warranty period	
AMC Charges for 2nd Year after warranty period	
AMC Charges for 3rd Year after warranty period	
P&F Charges	
Freight (Amount)	
Other Charges (If any)	
Essential Spares and Consumables	