

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

**Tender for Supply of Dome loaded & Spring loaded Pressure
regulators with Filters**

Bids to be submitted online

Tender No.: IPRC/PURGP1/IP202300012201 dated 17-03-2023

A. Tender Details

Tender No :	IPRC/PURGP1/IP202300012201
Tender Date :	17-03-2023
Tender Classification:	GOODS
Purchase Entity :	PURGP1
Centre :	ISRO PROPULSION COMPLEX (IPRC)

Supply of Dome loaded & Spring loaded Pressure regulators with Filters

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

This is a TWO-PART tender i.e. Techno-Commercial Bid (Part-I) and Price Bid (Part-II) shall be submitted separately. All technical and commercial terms and conditions shall be furnished in the Techno Commercial Bid while price shall be indicated only in the Price Bid.

1.Foreign vendors are not permitted to quote.

2.Only Class-I and Class-II Local suppliers as per Make in India Policy are eligible to participate in the bid.

a. The percentage of local content with documentary should be specifically mentioned in the offer. Format for Self Certification under Preference to "MAKE IN INDIA" Policy is attached, without which it will be summarily rejected.

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

3.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.

4.Last minute clarification on tenders will not be entertained.

5.This is an E Tender. Hence Postal/Fax/Email tenders will not be accepted.

6. Acceptance of Guarantee / Warranty, PBG, SD & L.D are mandatory.

A.1 Tender Schedule

Bid Submission Start Date :	17-03-2023 17:00
Bid Clarification Due Date :	27-03-2023 10:00
Bid Submission Due Date :	17-04-2023 10:00
Bid Opening Date :	17-04-2023 10:05
Price Bid Opening Date :	20-04-2023 10:05

B. Tender Attachments

Technical Write-up/Drawings

Document : Annexure 2

Document : Annexure 1

Instructions To Vendors

3. 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) Local office in Tirunelveli / Nagercoil is preferable.
Note: (b) to (d) 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 NSIC, 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.
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 (in the prescribed format) 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 period of two months beyond 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.

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 30 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 Technical bid opening & 90 days from the date of Price Bid opening (in case of two-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.

4. STANDARD TERMS AND CONDITIONS (DOS PM:19)

1. 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.

2. 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.

3. 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.

4. 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 there under 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.

5. 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.

6. Late Tenders will not be considered.

7. 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.

8. 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.

9. 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.

10. Quotation should be valid for at least 90 days from the date of opening of the tender.

11. Sales Tax and/or other duties/levies, where legally leviable and intended to be claimed, should be distinctly shown separately in the tender.

12. Specifications: Stores offered should strictly conform to Purchaser's 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.

13. 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.

14. 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.

15. 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 fulfillment of the Contract.

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

17. 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.

18. 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.

5. 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. 1 (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 if 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 2 (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 2 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 6 (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 10% 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 6 (b) & (c) shall be the guarantee period plus two months.

7. 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.

8. 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.

9. 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.

10. 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.

11. TEST CERTIFICATE:

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

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

6. Format for Self Certification under Preference to MAKE IN INDIA Policy CERTIFICATE

1. In line with Government Public Procurement Order No. P-45021/2/2017-BE-II dt. 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. _____(supplier name) are local supplier meeting the requirement of minimum percentage of Local content _____ (class I/Class II) as defined in above orders for the materials against Tender No. _____

2. Details of locations at which local value addition will be made is as follows:

3. We also understand, false declarations will be in breach of the Code in Integrity under Rule 175(1) (i) (h) of the General Financial Rule 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.

4. Seal and Signature of Authorized Signatory

7. 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 i.e., 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.

C. Bid Templates

C.1 Technical Bid - Supply of Dome loaded & Spring loaded Pressure regulators with Filters

1. Flow Regulators and Restrictors: Supply of Dome Loaded Pressure regulator (UPR 7301) with Filter (UFL 7301).as per Technical specification & special conditions attached in Annexure 1 & 2 respectively

Document : [Technical specification & special conditions](#)

2. Flow Regulators and Restrictors: Supply of Dome Loaded Pressure regulator (UPR 7303) with Filter (UFL 7303) as per Technical specification & special conditions attached in Annexure 1 & 2 respectively

Document : [Technical specification & special conditions](#)

3. Flow Regulators and Restrictors: Supply of Spring Loaded Pressure regulator (UPR 7302) with Filter (UFL 7302) as per Technical specification & special conditions attached in Annexure 1 & 2 respectively

Document : [Technical specification & special conditions](#)

4. Flow Regulators and Restrictors: Supply of Spring Loaded Pressure regulator (UPR 7304) with Filter (UFL 7304) as per Technical specification & special conditions attached in Annexure 1 & 2 respectively

Document : [Technical specification & special conditions](#)

5. Flow Regulators and Restrictors: Spares (as per Technical specification & special conditions attached in Annexure 1 & 2 respectively)

Document : [Technical specification & special conditions](#)

Common Specifications (Applicable for all items)

Sl No	Specification	Value	Compliance	Offered Specification	Remark
1	Quantity, Tag number, Fluid medium, Mode of loading, Minimum inlet pressure, Maximum inlet pressure, Maximum set (outlet) pressure, Required flow rate at minimum pressure differential and Inlet & Outlet interfacing pipe size & Schedule	As given in Table 1	Yes / No / Explain		
2	Working temperature range	290 to 323 K	Yes / No / Explain		
3	Flow temperature	310 K	Yes / No / Explain		
4	Orifice diameter/ Valve coefficient (Cv)	To be specified by the bidder in the quotation along with calculations.	Yes / No / Explain		
5	Failure flow rate of the regulator	To be specified by the bidder	Yes / No / Explain		
6	Mode of venting	Self venting	Yes / No / Explain		
7	Repeatability of regulation (droop)	<ul style="list-style-type: none"> • $\leq 5\%$ between the set pressure at minimum & maximum controllable flow rates • $\leq 5\%$ between the locked up pressure and the set pressure at minimum controllable flow rate 	Yes / No / Explain		
8	Ratio of variation of set pressure to variation in inlet pressure (Decay ratio)	As per Technical specification given in Annexure 1	Yes / No / Explain		

9	Permissible leakage rate across seat (through) in closed condition	Bubble Leak Tight	Yes / No / Explain		
10	Permissible leakage rate across body (external)	Bubble Leak Tight	Yes / No / Explain		
11	Make	Make of Pressure regulators & filters, etc. shall be specified by the bidder in the quotation.	Yes / No / Explain		
12	MATERIAL OF CONSTRUCTION: Body (regulator & filter), plug	ASTM A 182 F 304/316/304L/316L/321	Yes / No / Explain		
13	Filter element, Swivel union & adaptors	AISI 304/316/304L/316L/321	Yes / No / Explain		
14	Plug insert/ seat	PCTFE (Kel-F)/vespel/Poly carbonate	Yes / No / Explain		
15	Seals, O-rings	Viton/ Buna N	Yes / No / Explain		
16	INTER CONNECTIONS: Swivel unions at Inlet end of filter and outlet end of pressure regulator and adaptors	Threaded swivel union with O-ring face seal. One end of swivel union to match with Filter/regulator, other end with butt welding end suitable to mate with the interfacing pipe of schedule number as given in Table 1. Each pressure regulator shall be fitted with filter by means of suitable adaptors. All the swivel unions & adaptors should be subject to Pressure test as per test conditions specified in point "c" of Tests mentioned below.	Yes / No / Explain		

17	EXTERNAL FILTER:	Each pressure regulator shall be fitted with a filter of 16 µm (absolute) rating at the inlet with suitable adaptors. Filter element shall be adequately sized to handle respective flow rates at intended operating pressures as mentioned in Table 1 and also the filter element should withstand maximum differential pressure for the failure flow rate of the regulator.	Yes / No / Explain		
18	TESTS: a. Material test certificate:	The material test certificates, detailing the physical and chemical properties, of the principal pressure-bearing parts shall be provided.	Yes / No / Explain		
19	b. Welding joint test (wherever applicable):	All butt welding joints in the pressure regulator shall be subject to radiographic test with X-rays or gamma rays to 2% sensitivity as per Section IX, ASME. All the butt & socket welding joints shall be subject to dye-penetrant test.	Yes / No / Explain		
20	c. Body pressure test (pressure regulator):	All the pressure regulators, in partially open position, shall be subjected to either pneumatic pressure test with gaseous nitrogen or dry air at 1.1 times the maximum rated inlet pressure of the pressure regulator or hydraulic pressure test with Water (with suitable corrosion inhibitor) at 1.5 times the maximum rated inlet pressure of the pressure regulator. The test procedure & acceptance criteria shall be as per relevant standards.	Yes / No / Explain		

21	d. Body leakage test:	All the pressure regulating units, in closed position, shall be subjected to pneumatic leakage test with gaseous nitrogen or dry air at the maximum rated inlet pressure of the pressure regulator. The test procedure & acceptance criteria shall be as per relevant standards.	Yes / No / Explain		
22	e. Pneumatic seat leakage test:	All pressure regulating units shall be subject to seat leakage test by pressurizing the unit to the maximum rated inlet pressure at the inlet with dry Air or gaseous nitrogen and bubble tightness is to be ensured across the seat.	Yes / No / Explain		
23	f. Performance test:	The functional test of all Pressure regulators along with filters shall be carried out at the Maximum rated inlet pressure & Maximum outlet pressure of pressure regulators and performance of Pressure regulator assembly shall be evaluated.	Yes / No / Explain		
24	g. Body Pressure Test (filter):	All the filters, shall be subjected to either pneumatic pressure test with gaseous nitrogen or dry air at 1.1 times the maximum rated inlet pressure of the pressure regulator or hydraulic pressure test with Water (with suitable corrosion inhibitor) at 1.5 times the maximum rated inlet pressure.	Yes / No / Explain		
25	h. Degree of filtration test:	Prototype test certificate for degree of filtration test ("micron rating" test by bubble point method) for filter element cartridge shall be provided.	Yes / No / Explain		

26	CLEANLINES S:	All the interior flow surfaces of the pressure regulator and filter shall be degreased and cleaned as per Oxygen service standard as per CGA G-4.1 or ASTM G 93.	Yes / No / Explain		
27	MARKING:	All the pressure regulators & filters are assigned with tag numbers for the sake of identification. The tag number for each pressure regulator, as indicated above, besides orifice diameter/ valve coefficient, maximum inlet pressure, maximum set pressure, material of construction, etc, shall be legibly and indelibly engraved on the body of the pressure regulator. The tag number for each filter, as indicated above, besides maximum rated inlet pressure, micron rating, material of construction, etc, shall be legibly and indelibly engraved on the body of the filter.	Yes / No / Explain		
28	SPARES:	The Spare parts (Pressure regulator & filters) such as Poppet, Seat, Spring, Gaskets, O-rings, Filter Element, Filter Seals, etc. along with other required spares and special tools required for operation and maintenance of the pressure regulator & filter shall be supplied. Detailed list of such spares shall be mentioned in the quotation.	Yes / No / Explain		
29	QUALITY ASSURANCE PLAN	As given in Table 2 of Annexure 1	Yes / No / Explain		
30	SPECIAL CONDITIONS	As per Annexure 2	Yes / No / Explain		

31	Guarantee/Warranty:	The products shall be guaranteed/ warranted for satisfactory performance over a period of 18 months from the date of dispatch from the vendor's factory or 12 months from the date of commissioning at the purchaser's site, whichever is earlier.	Yes / No / Explain		
32	Inspection:	The Inspection of the products shall be carried out by the Third Party Inspection (TPI) agency. The scope of inspection shall be as per the Technical specification and Quality Assurance Plan (QAP) given in Table 2.	Yes / No / Explain		
33	Inspection (continued) :	It shall be the responsibility of the vendor to arrange for and coordinate with the TPI agency. Name of Third Party Inspection Agency shall be indicated in the quotation. All the pressure regulators & filters shall be hard stamped by the TPI. Final inspection will be done by the Purchaser upon receipt of items at Mahendragiri.	Yes / No / Explain		
34	TPI agency, shall be chosen from the following list only:	<ul style="list-style-type: none"> • Lloyds Register Industrial Services Pvt Ltd (LRIS) • Bureau Veritas Industrial Services Pvt Ltd (BVIS) • Det Norske Veritas (DNV) • Technischer Uberwachungs Verein (TUV) • Bax Counsel Inspection Bureau Pvt Ltd 	Yes / No / Explain		

35	Documentation	Along with quotation, Complete technical description along with the orifice diameter/ valve coefficient (Cv) with sizing calculations for regulators, filtration area for filter element, detailed dimensional drawings & catalogues with make of each item should be provided. Shelf life for all soft seal materials shall be indicated.	Yes / No / Explain		
36	Deviations from Technical specifications:	Deviations, if any, from the tender specification shall be explicitly spelt out. If no deviation is indicated in the quotation, it will be presumed that the offer meets all the tender specification.	Yes / No / Explain		
37	Details required as per the tender specification:	Bidder shall provide all details required as per the tender specification, if any of the detail required as per tender is not provided the offer will be summarily rejected.	Yes / No / Explain		
38	Part order:	Non-acceptability for part order should be indicated in the quotation. Otherwise it will be presumed that part order is acceptable.	Yes / No / Explain		
39	Pre-Qualification Criteria (PQC) :	Pre-Qualification Criteria (PQC) : i) Bidder should have previous experience in supply of products of similar specification with Third party inspection (TPI). Copies of previous Purchase Orders and TPI reports as evidence for supply of Dome & spring loaded Pressure regulators & filters in the past should be provided, otherwise the offer will be rejected.	Yes / No / Explain		

40	Pre-Qualification Criteria (PQC) (continued):	ii) Clientele details such as name, phone number, company name etc. shall be provided.	Yes / No / Explain		
41	Documentation (continued)1	<p>Within 1 month from placement of the purchase order, following documents shall be provided. These documents are subjected to review by the Purchaser. Only upon receipt of the Purchaser's approval of these documents, the vendor shall proceed with manufacture of the products. However, the Purchaser's approval shall not absolve the vendor of their responsibility to comply with the specification of the purchase order.</p> <p>a) General Arrangement (GA) drawings, indicating the overall dimensions of the product along with the accessories.</p> <p>b) Detailed cross sectional/ fabrication drawings of the products, indicating the dimensions and Material of Construction (MOC) of each part.</p>	Yes / No / Explain		

42	Documentation (continued) ²	<p>Upon satisfactory inspection of the products, following documents shall be provided. The purchaser shall review these documents for compliance with the specification of the purchase order and issue "purchaser's delivery clearance". Only upon receipt of the same, the vendor shall proceed with delivery of the products.</p> <p>a) Certificates of tests specified in technical specification duly authorized by the inspector. b) Inspection report by the inspector.</p>	Yes / No / Explain		
43	Documentation (continued) ³	<p>Along with consignment, following documents shall be provided:</p> <p>a) Instruction manual for installation, operation, maintenance and trouble-shooting. b) Guarantee certificate.</p>	Yes / No / Explain		
44	Packing	The pressure regulators and filters shall be supplied in suitable packing to avoid any damage during handling and transportation.	Yes / No / Explain		
45	Delivery Period	Supply of pressure regulators and filters is 5 months from the date of Purchase Order.	Yes / No / Explain		

Supporting Documents required from Vendor

1. Detailed dimensional drawings and catalogues for pressure regulators & filters
2. Copies of Previous purchase orders and TPI reports for supply of dome loaded & spring loaded pressure regulators with filters
3. Filtration area for for all filter elements

4. Sizing calculations for all Pressure Regulators along with orifice diameter/valve coefficient (Cv)

5. Deviations,if any from Tender specifications

6. Detail list of Spare parts for Pressure regulators & filters

7. Shelf life for all soft seal materials

8. Clientele details such as name,Phone number,Company name etc.

5 additional documents can be uploaded by the vendor

C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	Technical specifications as per Annexure:1	Yes / No / Explain	
2	Special Conditions as per Annexure 2	Yes / No / Explain	
3	Validity of Offer (specify)	Yes / No / Explain	
4	Delivery Period (specify)	Yes / No / Explain	
5	Delivery Terms: Normal delivery terms - FOR Destination (i.e., IPRC, Mahendragiri)	Yes / No / Explain	
6	Payment Terms: 100% within 30 days after receipt and acceptance of items (No advance payment is acceptable). Specify your Payment Terms.	Yes / No / Explain	
7	Security Deposit: 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 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.	Yes / No / Explain	
8	Confirm: Conditions for BIDDER FROM A COUNTRY WHICH SHARES LAND BORDER WITH INDIA	Yes / No / Explain	

9	Liquidated Damages: The delivery period / completion period shall be the essence of the Purchase Order. If the Supplier fails to meet delivery date within the time specified above or any extension thereof, the Department will recover from the Supplier as Liquidated Damages (LD) a sum of 0.5% of the total order value for each calendar week of delay subject to a maximum of 10% of the total order value. Confirm your acceptance.	Yes / No / Explain	
10	Name of PRINCIPAL, Address, Contact No, E-mail Id etc. (specify):	Yes / No / Explain	
11	Name of INDIAN AGENT, Address, Contact No, E-mail Id etc. (specify):	Yes / No / Explain	
12	Currency quoted (specify)	Yes / No / Explain	
13	Warranty / Guarantee Period: (specify)	Yes / No / Explain	
14	Taxes and other costs, if any: (Specify).	Yes / No / Explain	
15	Performance Bank Guarantee: Performance Bank Guarantee (PBG) for 3% of the order value shall be submitted along with your Invoice/prior to final payment. It shall be valid till the warranty/ guarantee period and shall have an additional claim period of 60 days.	Yes / No / Explain	
16	Percentage of Local Content with documentary proof: (specify)	Yes / No / Explain	
17	If MSME, provide documentary proof: (specify)	Yes / No / Explain	

C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Remark
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1	Flow Regulators and Restrictors: Supply of Dome Loaded Pressure regulator (UPR 7301) with Filter (UFL 7301).as per Technical specification & special conditions attached in Annexure 1 & 2 respectively	1.00 Nos.		-		
2	Flow Regulators and Restrictors: Supply of Dome Loaded Pressure regulator (UPR 7303) with Filter (UFL 7303) as per Technical specification & special conditions attached in Annexure 1 & 2 respectively	1.00 Nos.		-		
3	Flow Regulators and Restrictors: Supply of Spring Loaded Pressure regulator (UPR 7302) with Filter (UFL 7302) as per Technical specification & special conditions attached in Annexure 1 & 2 respectively	1.00 Nos.		-		

4	Flow Regulators and Restrictors: Supply of Spring Loaded Pressure regulator (UPR 7304) with Filter (UFL 7304) as per Technical specification & special conditions attached in Annexure 1 & 2 respectively	1.00 Nos.					
5	Flow Regulators and Restrictors: Spares (as per Technical specification & special conditions attached in Annexure 1 & 2 respectively)	1.00 Lumsm					

Common charges (Applicable for all items)

P & F	
Freight	
TPI charges (%)	
Testing charges (%)	
Other charges if any (%)	
3. Other Charges in Price (If any)	
1. Other Charges in Price (If any)	