



भारत सरकार GOVERNMENT OF INDIA :: अंतरिक्ष विभाग DEPARTMENT OF SPACE
सतीश धवन अंतरिक्ष केंद्र शार SATISH DHAWAN SPACE CENTER SHAR
नोदक कॉम्प्लेक्स रसायनी (महाराष्ट्र) Propellant Complex Rasayani (Maharashtra) 410 207

निविदा सूचना सं. TENDER NOTICE NO. SDSC SHAR/ HPS/PT/PCR/03/2026-2027

भारत के राष्ट्रपति की ओर से प्रधान, क्रय एवं भंडार, नोदक कॉम्प्लेक्स रसायनी (महाराष्ट्र), सतीश धवन अंतरिक्ष केंद्र निम्नलिखित वस्तुओं के लिए ऑनलाइन निविदाएं आमंत्रित करते हैं:- On behalf of President of India, Head Purchase and Stores, Propellant Complex Rasayani (Maharashtra), SDSC SHAR invites on line quotations for the following.

क्र.सं. SI No	संदर्भ सं. Ref. No.	विवरण Description	मात्रा Qty.
01.	SDSC SHAR /PCR PURCHASE / SH202600085301 [Public Tender - two Part]	Fabrication, Inspection, Testing & Supply of Bleaching Column Top Segment at PCR	01 No.

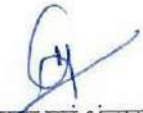
निविदा दस्तावेजों को डाउनलोड करने की अंतिम तिथि Last Date for downloading of tender documents : 01.09.2026 at 14:00 hrs.
 ऑनलाइन निविदा जमा करने की अंतिम तिथि Due Date for submission of bids online : 01.09.2026 at 14:00 hrs.
 निविदाएं खोलने की नियत तिथि Due Date for opening of tenders : 01.09.2026 at 14:15 hrs.

निविदाकार के लिए निर्देश Instructions to Tenderers:

निविदाएं ईजीपीएस के माध्यम से ही भेजी जाएं तथा कोई निविदा शुल्क लागू नहीं होगा।
Bids shall be submitted on line through EGPS only and No tender fee shall be applicable.

- कार्य के सम्पूर्ण विवरण/जानकारी तथा नियम व शर्तों इत्यादि के लिए संलग्न अनुलग्नक को देखें। / For full details/scope of work and terms and conditions etc., please see the enclosed annexures.
- इच्छुक निविदाकार इसरो की ई-खरीद वेबसाइट इसरो न्यू ई-प्रोक्यूरमेंट www.eproc.isro.gov.in से ई-निविदा डाउनलोड और अपनी निविदा ई-खरीद पोर्टल पर ऑनलाइन जमा कर सकते हैं। डाक / वाहक / स्वयं द्वारा प्राप्त निविदाओं पर विचार नहीं किया जाएगा। / Interested tenderers can download the e-tender from ISRO e-procurement website ISRO NEW E-PROCUREMENT www.eproc.isro.gov.in and submit the offer on line in the e-procurement portal. Offers sent physically by post/courier/in person will not be considered.
- निविदा दस्तावेज इसरो की वेबसाइट www.isro.gov.in इसरो न्यू ई-प्रोक्यूरमेंट वेबसाइट www.eproc.isro.gov.in तथा सतीश धवन अंतरिक्ष केंद्र शार की वेबसाइट www.shar.gov.in पर भी उपलब्ध हैं। इन्हें केवल ई-खरीद पोर्टल से डाउनलोड और निविदा ऑनलाइन जमा कर सकते हैं। / Tender documents are also available on ISRO website www.isro.gov.in ISRO New e-procurement website www.eproc.isro.gov.in and SDSC SHAR, Sriharikota website www.shar.gov.in. The same can be down loaded and offer submitted on line in the new e-procurement portal only.
- निर्धारित तिथि/समय के पश्चात प्राप्त बोलियों पर विचार नहीं किया जाएगा। / Quotations received after the due date/time will not be considered.
- निविदा दस्तावेज दिनांक 01.09.2026 को 14 00 बजे तक डाउनलोड करने के लिए उपलब्ध रहेंगे तथा निविदा ऑनलाइन जमा करने की अंतिम तिथि 01.09.2026 को 1400 बजे तक है। निविदाएं दिनांक 01.09.2026 को 14:15 बजे खोली जाएंगी। / The tender documents are available for download upto 01.09.2026 at 14 00 hrs. and last date for submission of tenders on line 01.09.2026 at 14 00hrs. and Tender Opening on 01.09.2026 at 14:15 hrs.
- इच्छुक विक्रेता विवरण जानने के लिए निविदा खोले जाने वाले सत्र में शामिल हो सकते हैं। निविदा के मूल्यांकन पर विचार करने के लिए उनकी उपस्थिति अनिवार्य नहीं है। / Interested vendors can attend the Bid opening sessions to know the details. Presence not mandatory to consider the quote for evaluation.
- प्रधान, क्रय एवं भंडार, नोदक कॉम्प्लेक्स रसायनी (महाराष्ट्र), सतीश धवन अंतरिक्ष केंद्र के पास किसी भी या सभी निविदाओं को स्वीकार / अस्वीकार करने का अधिकार है। / Head, Purchase and Stores, Propellant Complex Rasayani (Maharashtra), SDSC SHAR reserves the right to accept or reject any/or all the quotations.
- GeM ARPTS Report ID: GEM/GARPTS/10082026/VXCVYWZFTR13

दिनांक DT: 11.08.2026


 वरि. क्रय एवं भंडार अधिकारी
 Sr. Purchase & Stores Officer

Signer: GANESH R
Tue Aug 11 11:16:17 IST 2026

**GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
SATISH DHAWAN SPACE CENTRE SHAR SRIHARIKOTA (SDSC SHAR)
TIRUPATI**

**Tender for Fabrication, Inspection, Testing and supply of Bleaching
column top segment**

Bids to be submitted online

Tender No.: SDSC SHAR/PCR Purchase/SH202600085301 dated 11-08-2026

A. Tender Details

Tender No :	SDSC SHAR/PCR Purchase/SH202600085301
Tender Date :	11-08-2026
Tender Classification:	GOODS
Purchase Entity :	PCR Purchase
Centre :	SATISH DHAWAN SPACE CENTRE SHAR SRIHARIKOTA (SDSC SHAR)

Fabrication, Inspection, Testing and supply of Bleaching column top segment

1. This is a two-part tender. Bidders should submit documents containing price details in PRICE BID only. If documents with price details/price details are submitted with techno-commercial part, such tenders will be treated as invalid and rejected.
2. In case the bidder proposes any other payment terms in deviation with the standard terms mentioned above, it may be noted that applicable cash flow implications will be loaded on the prices quoted for commercial comparison of the offers. If advance payments are insisted by the bidders, interest at the rate of MCLR (Marginal Cost Linked Rate) as notified by State Bank of India from time to time shall be loaded on the prices for price comparison.
3. GeM Availability Report and Past Transaction Summary (GeMARPTS) Report ID: GEM/GARPTS/10082026/VXCVTWZFTR13

A.1 Tender Schedule

Bid Submission Start Date :	11-08-2026 13:00
Bid Clarification Due Date :	18-08-2026 15:00
Bid Submission Due Date :	01-09-2026 14:00
Bid Opening Date :	01-09-2026 14:15
Price Bid Opening Date :	10-09-2026 14:00

B. Tender Attachments

Technical Write-up/Drawings

Document : Indent specifications

Document : Drawing

Instructions To Vendors

3. STANDARD TERMS & CONDITIONS (PCR PURCHASE)

1. Tele No.02192-258540/541. E-Mail ID : pcr_purchase@shar.gov.in, mishrahs@shar.gov.in 1.

Instruction to Indigenous Suppliers: a) Payment Terms shall be as specified in RFP. If not specifically mentioned Our Normal payment term is 100% within 30 days after receipt and acceptance of the item at our site. Please confirm acceptance in your quotation. b) GST/IGST: Please specify GST percentage and HSN code in your offer. Our GST No. is. 27AAAGS1366J1Z2. c) Purchase / Price preference to MSEs Purchase/Price preference will be applicable to the product reservation admissible to the Micro and Small Enterprises. Purchase/Price Preference shall be extended to the MSEs under the Public Procurement Policy for MSEs formulated under the Micro, Small and Medium Enterprises Development Act, 2006. The participating MSEs in a tender, quoting price within the band of L-1 + 15% may also be allowed to supply a portion of the requirement by bringing down their price to the L-1 price, in a situation where L-1 price is from someone other than an MSE. Such MSEs may be allowed to supply up to 25% of the total tendered value. In case of more than one such eligible MSE, the supply will be shared equally. Micro & Small Enterprises which have technical capability to deliver the goods & Services as per prescribed technical & quality specifications and may not be able to meet the qualification criterion relating to prior experience-prior turnover may be relaxed as per guidelines issued by Ministry of MSMEs & as amended from time to time. Interested vendors shall specifically claim the benefit with supporting documents. d) Purchase / Price preference to Make-in-India Products: Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document 50%. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs. 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in-India) order 2017 dated 16.09.2020. In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause. 2. Instruction to Foreign

Suppliers: a) Payment Terms shall be as specified in RFP. If not specifically mentioned Our normal payment term is SIGHT DRAFT, Please confirm acceptance in your offer, if you insist for L/C, and all bank charges shall be to your account. Confirm acceptance. b) Please specify whether any export clearance is required in case of an order on you. c) Warranty/Guarantee applicable for the item shall be mentioned in your offer d) Special Certification for packing Material : as per Plant Quarantine (Regulation of Control into India) Order 2003, Articles packed with packing material of plant origin viz., hay, straw, wood shavings, wood chips, saw dust, wood waste, wooden pallets, Dunn age Mats, wooden packages, coir pith, peat or sphagnum moss etc., will be allowed entry by Customs only with a Phytosanitary Certificate. In case if a Purchase Order, if you propose to us any of the above material for packing such a certificate issued by your local Plant Quarantine Authority shall be furnished. e) Confirm whether any Export License is required and for which End User Certificate is to be provided by us, in case of an Order on you. (Enclose format for EUC, if applicable) f) Either Indian Agent on behalf of the foreign principals or the foreign principal directly can quote against this order, but not both. In either case an Indian agent cannot represent more than one principal against the same tender. g) In case the quote is in INR we prefer to execute the same on HSS Basis and for which Concessional Customs duty as per Notification no.50/2017 Customs dated 30.06.2017, Serial No.539(A) as amended by Notification no.05/2018 dated 25.01.2018. In case the quote is on Indian Rupee (Outside High Sea Sale), the price shall include taxes and duties if any. We shall not be able to provide any duty or IGST tax exemption/concession certificates. If the item quote is of USA make, please quote for all-inclusive price since we prefer to get the item on FOB destination basis. h) 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 Competent Authority as specified in Office Memorandum no.F.No.6/18/2019-PPD, Ministry of Finance, Department of Expenditure, Public Procurement Division dated 23rd July 2020. All the conditions mentioned in the above OM is applicable for this tender. Common terms to Indigenous and foreign suppliers: 3. Warranty You shall provide applicable warranty for the items offered by you without fail. For the applicable period you shall provide necessary warranty certificate. 4. Performance Bank Guarantee Towards the performance of the systems during the warranty period you shall submit a performance bank guarantee equivalent to 3% of the order value to cover the warranty period. This PBG shall be interest free and the same shall be returned to you on successful completion of all contractual obligations. The said PBG shall have a further claim period of 2 months. 5. Security Deposit On acceptance of the order, you shall submit an interest free amount equivalent to 3% of the total contract/order value towards security deposit. This security deposit is collected towards the performance of the Contract. The said Security Deposit shall be submitted either in the form of Bank Guarantee/Demand Draft/FDR receipts duly endorsed in the name of the centre. The Security Deposit will be returned to you on successful completion of the Contractual obligations; failing which it shall be forfeited/adjusted. 6. Offer Validity Your offer shall be valid for 120 days in case of 2 part / 90 days in case of single part from the date of tender opening. In case your offer validity is less than the mentioned above, the said offer is liable for rejection which may please be noted. 7. Liquidated Damages: If you fail to deliver the ordered items satisfactorily within the time specified or any extension thereof, Liquidated Damage @ 0.5%(zero point five percent) of the order value or part thereof the un-delivered items for each calendar weeks of delay shall be recovered from your bill. However total Liquidated

Damage shall not exceed 10% (ten percent) of the order value. FORCE MAJEURE: Should a part or whole work covered under this contract be delayed in delivery/completion of work due to reasons of Force majeure which shall include legal lockouts, strikes, riots, civil commotion, fire, accidents, quarantines, epidemic, acts of God & War, stoppage of deliveries by the Government, freight embargoes etc; the delivery period/completion of work referred to in this Contract shall be extended by a period not in excess of duration of such Force Majeure. The occurrence shall be notified by either party within reasonable time. 8. Offers received through post, courier, fax or email will not be considered. 9. Technical and commercial bid (Part-I) shall not contain any price details. Optional accessories or other price details, if any shall be uploaded in Supporting documents related to Price Bid, to be opened along with Price Bid. 10. In respect of FIM being issued, the fabricator shall submit Bank Guarantee for equivalent sum compulsorily. In case, submission of Bank Guarantee is not possible, the reasons there for shall be clearly mentioned. However, for such cases the fabricators at their cost shall secure such FIM through Insurance Policy with Director, SDSC SHAR as beneficiary. In case of PSU and Government Organization, Indemnity Bond in lieu of Bank Guarantee is acceptable. Balance FIM/Scrap, if any shall be returned along with the supply of the items. Please confirm acceptance in your quotation. 11. SDSC SHAR shall have the right to place part order among the parties for the items for which they are the lowest. 12. Arbitration: In the event of any dispute/s, difference/s or claim/s arising out of or relating to the interpretation and application of the Contract, such dispute/s or difference/s or claim/s shall be settled amicably by mutual consultations of the good Offices of the respective Parties and recognizing their mutual interests attempt to reach a solution satisfactory to both the parties. If such a resolution is not possible, within 30 days from the date of receipt of written notice of the existence of such dispute/s, then the unresolved dispute/s or difference/s or claim/s shall be referred to the Sole Arbitrator appointed by the Parties by mutual consent in accordance with the rules and procedures of Arbitration and Conciliation Act 1996 as amended from time to time. The arbitration shall be conducted in Bengaluru in the Arbitration and Conciliation Centre only. Work under the Contract shall be continued by the CONTRACTOR during the pendency of arbitration proceedings, without prejudice to a final adjustment in accordance with the decision of the Arbitrator unless otherwise directed in writing by the DEPARTMENT or unless the matter is such that the works cannot be possibly continued until the decision (whether final or interim) of the Arbitrator is obtained.

4. INSTRUCTIONS TO TWO PART TENDER

1. We are proposing to invite Tenders in Two Parts viz., Part-I Techno and Commercial & Part-II Price. All Tenderers are requested to follow carefully the following instructions before preparing their offer.
PART- I- TECHNO COMMERCIAL BID:

(1) This part should contain detailed Specifications of the items quoted by you along with Technical Literature and Leaflets if any.

(2) All the Commercial terms and Conditions applicable also should be indicated separately under separate heads.

(3) The Commercial terms such as delivery terms, delivery period, payment terms, warranty, validity of

the offer, Installation & Commissioning, Duties and Taxes etc shall come into this.

(4) Either Technical Specifications or Terms & Conditions as above should be very clearly reflected item wise with reference to the items called for in the tender.

(5) Please note that Prices should not be indicated in this part.

(6) Any deviations from the Technical Specifications and Commercial Terms shall be indicated separately.

PART II-PRICE BID:

(1) The prices applicable for the items, item wise in response to the tender shall come into this part.

(2) Tender shall indicate very clearly item wise prices with reference to their Technical Offer.

Note: 1. PLEASE NOTE THAT THE OFFERS SUBMITTED CONTRADICTORY TO ABOVE INSTRUCTIONS WILL BE LIABLE FOR REJECTION. PLEASE ENSURE OFFERS ARE SUBMITTED WITHIN THE DUE DATE.

2. BEING TWO PART TENDER, WE REQUEST YOU NOT TO DISCLOSE / INDICATE ANY OF THE PRICE VALUE WHILE SEEKING / PROVIDING CLARIFICATION. YOU SHOULD INDICATE ONLY IN PERCENTAGE. IN CASE IF YOU DISCLOSE ANY OF THE PRICE AMOUNT YOUR OFFER WILL BE REJECTED.

C. Bid Templates

C.1 Technical Bid - Fabrication, Inspection, Testing and supply of Bleaching column top segment

1. Aluminium vessels

Fabrication, testing and supply of Bleaching Column top segment as per tender specifications

Item specifications for Aluminium vessels

Fabrication, testing and supply of Bleaching Column top segment as per tender specifications

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	The scope of work involves Fabrication, Inspection, supply and unloading of item at purchaser site	Bidder shall accept and confirm	Yes / No / Explain		
2	Item is pure aluminium hollow cylinder using for handling 98%CNA + N2O4	Bidder shall accept and confirm	Yes / No / Explain		
3	The intended item is proposed to be a one – to – one replacement of existing unit in the operational plant. Hence the new unit to be dimensionally as per the drawing enclosed.	Bidder shall accept and confirm	Yes / No / Explain		

Common Specifications (Applicable for all items)

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Overall dimensions shall be as per attached drawing no. PCR / BCTL /25/11.	Bidder shall accept and confirm	Yes / No / Explain		

2	Successful bidder shall prepare detailed drawings by referring the enclosed drawings and put up for the purchaser clearance. Fabrication shall be taken up only after the drawing approval from the purchaser.	Bidder shall accept and confirm	Yes / No / Explain		
3	The detailed specifications are as per the tender specification document for Fabrication, Inspection and Supply of item to Propellant complex, Rasayani, ISRO (PCR), Govt. of India, Dist.; Raigad, Maharashtra PIN-410207	Bidder shall accept and confirm	Yes / No / Explain		
4	Name of the Equipment: Bleaching Column Top Segment	Bidder shall note	Yes / No / Explain		
5	Construction: Hollow Cylinder with loose flanges on top & bottom	Bidder shall note	Yes / No / Explain		
6	Material of Construction: AL. 99.6 F-6 (99.6% of Aluminium)	Bidder shall accept and confirm	Yes / No / Explain		
7	Fluid Handling: Nitric Acid (98%) + N ₂ O ₄	Bidder shall note	Yes / No / Explain		
8	Design Code: ASME section VIII Div. - I	Bidder shall accept and confirm	Yes / No / Explain		
9	Operating Pressure: 0 kg/cm ² (g)	Bidder shall accept and confirm	Yes / No / Explain		

10	Operating Temperature: 86 Deg.C	Bidder shall accept and confirm	Yes / No / Explain		
11	Design Pressure : 0 kg/cm2 (g)	Bidder shall accept and confirm	Yes / No / Explain		
12	Design Temperature : 100 Deg. C	Bidder shall accept and confirm	Yes / No / Explain		
13	Thickness (mm): 12 mm	Bidder shall accept and confirm	Yes / No / Explain		
14	Heat treatment: Nil	Bidder shall accept and confirm	Yes / No / Explain		
15	MOC for Vertical column / cylinder (main shell) along with stub ends: AL. 99.6 F-6 (99.6% of Aluminium)	Bidder shall accept and confirm	Yes / No / Explain		
16	MOC for loose Flanges: SA 182 F 304L	Bidder shall accept and confirm	Yes / No / Explain		
17	MOC for Studs : SA 193 CR. 8	Bidder shall accept and confirm	Yes / No / Explain		
18	MOC for Nut: SA 194 CR. 8	Bidder shall accept and confirm	Yes / No / Explain		
19	Welding:100% TIG	Bidder shall accept and confirm	Yes / No / Explain		
20	Welding Factor: 1.0	Bidder shall accept and confirm	Yes / No / Explain		
21	Radiography:100%	Bidder shall accept and confirm	Yes / No / Explain		
22	Filler wire 99.6% of Aluminium shall be used for aluminium welding.	Bidder shall accept and confirm	Yes / No / Explain		
23	Vendor has to submit TPI reviewed PQR (Procedure Qualification Record) & WPS (Welding Procedure Specifications) for purchaser approval	Bidder shall accept and confirm	Yes / No / Explain		

24	No welding shall be undertaken without approval of the welding procedure. Welders, before being engaged, must be qualified as per AWS. 6G qualified welder only shall be engaged	Bidder shall accept and confirm	Yes / No / Explain		
25	100% by GTAW process shall be adopted with high purity Argon gas shielding, right from root to final passes for all butt welds and all internal and external welds including fillet welds. SMAW is not acceptable.	Bidder shall accept and confirm	Yes / No / Explain		
26	100% Radiography and DP test are to be carried out on all the butt-welded joints. All welds other than butt welds shall be DP tested.	Bidder shall accept and confirm	Yes / No / Explain		
27	All materials used for the fabrication of item shall have traceability with MIL Certificates for chemical, mechanical, Ultrasonic and IGC	Bidder shall accept and confirm	Yes / No / Explain		

28	All materials used shall be tested as per Code in the Reputed Govt. approved testing labs before fabrication	Bidder shall accept and confirm	Yes / No / Explain		
29	Detailed QAP has to be prepared after PO placement and shall be submitted to the Purchaser for approval. All activities to be carried out as per approved QAP only	Bidder shall accept and confirm	Yes / No / Explain		
30	The supplier has to engage one of the TPI agency from DNV/LLOYDS / TUV / BVQI.	Bidder shall accept and confirm	Yes / No / Explain		
31	The inspection Charges for Third Party Inspection shall be inclusive in the offer cost and shall be paid by the vendor only. No extra cost shall be paid by the Purchaser in this regard.	Bidder shall accept and confirm	Yes / No / Explain		
32	The total project nominal completion period: 16 Weeks	Bidder shall accept and confirm	Yes / No / Explain		

33	Successful bidder shall prepare engineering drawings of item fabrication meeting the requirements of this technical specification and shall submit the drawings for approval of TPI and Purchaser before commencement of fabrication	Bidder shall accept and confirm	Yes / No / Explain		
34	Offered price shall include fabrication, inspection, testing, supply, unloading at purchaser site, TPI charges and any other expenses related to the tendered items	Bidder shall accept and confirm	Yes / No / Explain		
35	Pre – delivery Inspection (PDI): to be carried out at Suppliers premises by purchaser representative.	Bidder shall accept and confirm	Yes / No / Explain		
36	Signed copies of the Annexure – 1,2,3, & 5 shall be submitted along with the technical bid.	Bidder shall accept and confirm	Yes / No / Explain		
37	Payment Terms: 100% after receipt and acceptance of the item at purchaser site.	Bidder shall accept and confirm	Yes / No / Explain		

38	Bidder shall submit the documentary evidence for minimum two numbers aluminium storage tank fabrication works executed during previous 3 years' period	bidder shall submit	Yes / No / Explain		
39	Bidder shall submit latest solvency certificate issued during ongoing financial year of minimum value of Rs. 7 lakhs from scheduled / nationalized bank	bidder shall submit	Yes / No / Explain		
40	The intended item is proposed to be a one – to – one replacement of existing unit in the operational N2O4 plant. Hence the new unit has to be dimensionally correct	Bidder shall accept and confirm	Yes / No / Explain		

Supporting Documents required from Vendor

1. Self attested copies of tender specifications, Annexure-I, II, III & V
2. Bidder shall submit latest solvency certificate issued during ongoing financial year of minimum value of Rs. 7 lakhs from scheduled / nationalized bank
3. Bidder shall submit CA certified audited statement of financial status and Profit & Loss statement for preceding three years
4. IT/ TDS certificate shall be submitted for preceding three financial years
5. Documentary evidence for availability of in-house machinery for fabrication of tendered item

6. Submit corresponding work completion certificates / Inspection Release Note (by TPI agency) of AI material from the respective purchasers

7. Bidder shall submit the documentary evidence for minimum two numbers aluminium storage tank fabrication works executed during previous 3 years' period

8. Documentary evidence indicating the availability & conformance/commitment of raw material supply shall be submitted

9. Firm establishment / MSME / MSE certificate indicating nature of work shall be submitted with the technical bid

5 additional documents can be uploaded by the vendor

C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	Along with item, supplier shall supply 2 sets of required PTFE gaskets and blind flanges	Yes / No / Explain	
2	Fabrication drawings, MTC, test certificates and radiographic films shall be supplied along with item	Yes / No / Explain	
3	Item shall be packed neatly to avoid any transit damages	Yes / No / Explain	
4	Transportation, unloading at purchaser site (Propellant Complex Rasayani, A Unit of SDSC, ISRO, Tal.: Panvel, Dist.: Raigad, PIN-410207, Maharashtra) shall be carried out by the supplier	Yes / No / Explain	
5	Before dispatch, the item shall be sealed so that ambient moisture never enters inside.	Yes / No / Explain	
6	The total project nominal completion period: 16 Weeks	Yes / No / Explain	
7	Payment Terms: 100% after receipt and acceptance of the item at purchaser site	Yes / No / Explain	
8	The scope of supply involves Fabrication, Inspection, Testing, Supply, and unloading of item at purchaser site.	Yes / No / Explain	
9	Delivery Term: Please quote your rates on FOR- PCR, RASAYANI basis including P&F & freight charges. If you quote YES or ACCEPTED or NOTED or AS PER TENDER SPECIFICATIONS, it means your prices are FOR-PCR basis including P&F and FREIGHT charges. Even if you quote P&F and FREIGHT charges are extra in price bid or at any other place, this only holds good.	Yes / No / Explain	
10	Taxes: GST@5% As per the notification No. 6/2018-Central Tax (Rate) dt:25.01.2018 Sr. No. (ix) of (A) in Schedule-I and notification No. 7/2018-Integrated Tax (Rate) dt: 25.01.2018 Sr. No. (ix) of (A) in Schedule-I, issued by Ministry of Finance (Dept. of Revenue), PCR/SDSC SHAR/ISRO eligible for concessional rate of GST at a rate of 5%	Yes / No / Explain	

11	Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1 plus 15% (Selected by Buyer) of margin of purchase preference/price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for 100% of total QUANTITY. Clearly specify whether you are eligible for MSE Preference. If YES, supporting documents shall be uploaded.	Yes / No / Explain	
12	Delivery Period: As per Clause 10 of terms and conditions.	Yes / No / Explain	
13	PAYMENT TERM :- 100% payment shall be made within 30 days after receipt and acceptance of the item at purchaser site.	Yes / No / Explain	
14	Liquidated Damages (LD) :- If the vendor fails to execute the order within the time specified in the order or any extension thereof, PCR/SDSC SHAR shall recover from the supplier as liquidated damages a sum of one half percentage (0.5%) of the ordered price of the un-delivered stores for each calendar week of delay and part thereof. The total liquidated damages shall not exceed Ten percent (10%) of the order price. The delivery date stipulated in the order released by PCR will be the essence of the order.	Yes / No / Explain	

15	Warranty:- Warranty for the offered item shall be from the date of supply/acceptance of the item at our site for a minimum period of one year or as specified in the tender document.	Yes / No / Explain	
16	Performance Bank Guarantee (PBG) :- Supplier has to furnish a Performance Bank Guarantee worth 3% of the P O value along with supply through Bank Guarantee or Fixed Deposit Receipt from any of the Nationalized /Scheduled Banks. Bank Guarantee shall be executed in the enclosed format on non-judicial stamp paper of appropriate value (with beneficiary as Accounts Officer, SDSC SHAR, Sriharikota) and should be valid for a period up to sixty days beyond the date for completion of all the warranty obligations.	Yes / No / Explain	
17	Security Deposit (SD) :- Supplier has to furnish a Security Deposit worth 3% of the P O value immediately after release of Purchase Order through Bank Guarantee or Fixed Deposit Receipt from any of the Nationalized/Scheduled Banks. Bank Guarantee shall be executed in the enclosed format on non-judicial stamp paper of appropriate value (with beneficiary as Accounts Officer, SDSC SHAR, Sriharikota) and should be valid for a period up to sixty days beyond the date for completion of the Purchase Order. In case the supplier fails to furnish the security deposit, the Purchase Order/Contract may be cancelled. In the event of non-execution of the Purchase Order or breach of any terms and conditions of the Purchase Order, the Security Deposit shall be forfeited.	Yes / No / Explain	

18	SD cum PBG: Supplier may furnish Single Bank Guarantee along with order acknowledgement towards Security Deposit (SD) & Performance Bank Guarantee (PBG) for an amount equivalent to 3% of P O value immediately after release of Purchase Order obtained from a Nationalized/Scheduled Banks. Bank Guarantee shall be executed in the enclosed format on non-judicial stamp paper of appropriate value (with beneficiary as Accounts Officer, SDSC SHAR, Sriharikota) and should be valid till completion of all the contractual obligation plus 60 days (i.e. Supply period plus warranty period plus 60 days). In case the supplier fails to furnish the BG towards Security Deposit or BG towards SD cum PBG after receipt of order, the Purchase Order/Contract may be cancelled. In the event of non-execution of the Purchase Order or breach of any terms and conditions of the Purchase Order, the BG towards Security Deposit or BG towards SD cum PBG shall be forfeited.	Yes / No / Explain	
19	Make in India: Please refer OM No. P45021/2/2017-PP (BE-II) dated 16.09.2020 and all amendments, issued by Govt. of India w.r.t to Make in India policy, and indicate percentage of local content along with detailed break up of local content without mentioning any price details and provide self-certification that the item offered meet the local content requirement for Class-I Local Supplier/Class-II Local Supplier and provide details of the location(s) at which the local value addition is made. Please note that if the declaration is found false, your offer will be rejected without assigning any reason thereof. Only Class-I and Class-II local supplier are eligible to participate in this tender. It may be noted that Local Content shall not include services such as Transportation, Insurance, Installation, Commissioning, Training and after sales service support like AMC/CMC etc.	Yes / No / Explain	

20	Validity of Offer :- The validity of the offer / tender should be 180 days from the date of opening of the tenders. Tenders shorter than offer validity mentioned above will not be considered for evaluation.	Yes / No / Explain	
21	Please provide valid/currently using E-mail Id & Contact no. for seeking further clarifications if any	Yes / No / Explain	
22	Insurance :- Being a Govt. Of India Dept., Insurance is not required at our cost. Please ensure the safe delivery of the ordered item with proper transport worthy packing.	Yes / No / Explain	
23	Pre - delivery Inspection (PDI): to be carried out at Suppliers premises by purchaser representative. Same to be informed to purchaser, at least two weeks before the inspection plan. The item shall be delivered only after clearance given by purchaser representative at the time of Pre delivery inspection. PDI will be conducted as per approved and mutually agreed QAP only.	Yes / No / Explain	
24	FORCE MAJEURE: If at any time during the continuance of the order the performance in whole or part by either party of any obligation under this order shall be prevented or delayed by reasons of any war, hostility, acts of public enemy, civil commotion, sabotage, fire, floods, lightening, epidemic, quarantine restrictions, strikes, go slow, Lockout or acts of God, notice of which is given by either party to the other within 21 days, from the date of such occurrence thereof, neither party shall be for reasons of such eventuality be entitled to terminate this order nor shall either party have any claim for damages against the other in respect of such non-performance or delay in performance.	Yes / No / Explain	

25	Dispute Resolution: i. In the event of any conflict or dispute arising out of or in connection with the Contract placed through EGPS, the Parties shall endeavour to settle such disputes amicably. If a dispute is not resolved within 30 (thirty) days after a written notice of any dispute by one Party to the other, the same shall then be resolved through the mechanism of a Dispute Resolution Committee. This Dispute Resolution Committee shall comprise of representatives of both the Buyer and the Seller / Service Provider and shall be chaired by the Procuring entity or any other person as authorized by the Procuring entity. ii. If the Dispute Resolution Committee is not able to resolve the matter within 30(thirty) days of its formation, the dispute shall be dealt with in accordance to Guidelines for Arbitration and Mediation in Contracts of Domestic Public Procurement issued by Department of Expenditure via OM No. F.1/2/2024-PPD dated 03.06.2024, as amended from time to time. iii. The Contract shall be interpreted and governed in all respects in accordance with the laws of India. All disputes in connection with or arising out of the Contract, shall be subject to the exclusive jurisdiction of the Court within the local limits of whose jurisdiction principal place of business of the Buyer department / organization is located.	Yes / No / Explain	
26	All terms and conditions are as per tender specifications.	Yes / No / Explain	

C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Remark
1	Aluminium vessels Fabrication, testing and supply of Bleaching Column top segment as per tender specifications	1.00 Nos.		-		

Tender Specifications for fabrication, inspection and supply of Bleaching Column Top segment (99.6% aluminium hollow cylinder with loose flanges at ends)

INTRODUCTION

This tender is meant for **Fabrication, Inspection and Supply of Bleaching Column-TOP segment** as per required specifications and other conditions as mentioned in this Tender Specification Document. The **Bleaching Column-TOP segment** shall be delivered at Propellant Complex, Rasayani (PCR) - 425107, Raigad Dist., Maharashtra.

1. SCOPE OF WORK

- i. The scope of work involves Fabrication, Inspection, supply and unloading of BC-Top segment at purchaser site.
- ii. **BC-TOP segment** is pure aluminium column using for handling 98%CNA + N₂O₄
- iii. The intended **BC-TOP segment** is proposed to be a one – to – one replacement of existing unit in the operational N₂O₄ plant. Hence the new unit to be dimensionally as per the drawing enclosed.
- iv. Overall dimensions shall be as per attached drawing no. PCR / BCTL /25/11. Successful bidder shall prepare detailed drawings by referring the enclosed drawings and put up for the purchaser clearance. Fabrication shall be taken up only after the drawing approval from the purchaser.
- v. The detailed specifications are as per this tender specification document for Fabrication, Inspection and Supply of **BC-TOP segment** to **Propellant complex, Rasayani, ISRO (PCR), Govt. of India, Dist.; Raigad, Maharashtra PIN-410207.**

2. Technical specifications:

Sl. No.	Description	Specification
1	Name of the Equipment	Bleaching Column Top Segment
2	Construction	Hollow Cylinder with loose flanges on top & bottom

Tender Specifications for fabrication, inspection and supply of Bleaching Column Top segment (99.6% aluminium hollow cylinder with loose flanges at ends)

Sl. No.	Description	Specification
3	Material of Construction	AL. 99.6 F-6 (99.6% of Aluminium)
4	Fluid Handling	Nitric Acid (98%) + N ₂ O ₄
5	Design Code	ASME section VIII Div. - I
6	Operating Pressure	0 kg/cm ² (g)
7	Operating Temperature	86 °C
8	Design Pressure	0 kg/cm ² (g)
9	Design Temperature	100 °C
10	Thickness (mm)	12 mm
11	Heat treatment	Nil
12	MOC for Vertical column / cylinder (main shell) along with stub ends	AL. 99.6 F-6 (99.6% of Aluminium)
13	MOC for loose Flanges	SA 182 F 304L
14	MOC for Studs	SA 193 CR. 8
15	MOC for Nut	SA 194 CR. 8
16	Welding	100% TIG
17	Welding Factor	1.0
18	Radiography	100%

3. Welding Requirements:

- 3.1 100% by GTAW process shall be adopted with high purity Argon gas shielding, right from root to final passes for all butt welds (Long seams, 'C' seams, pipe to flange joints) and all internal and external welds including fillet welds. SMAW is not acceptable.
- 3.2 Filler wire 99.6% of Aluminium shall be used for aluminium welding.

Tender Specifications for fabrication, inspection and supply of Bleaching Column Top segment (99.6% aluminium hollow cylinder with loose flanges at ends)

- 3.3 Vendor has to submit TPI reviewed PQR (Procedure Qualification Record) & WPS (Welding Procedure Specifications) for purchaser approval
- 3.4 No welding shall be undertaken without approval of the welding procedure. Welders, before being engaged, must be qualified as per AWS. **6G qualified welder only shall be engaged.**

4. Radiography:

- 4.1 100% Radiography and DP test are to be carried out on all the butt-welded joints. All welds other than butt welds shall be DP tested.
- 4.2 Radiographs have to be carried out with x-ray machine with a sensitivity of 2-2T as per ASTM E-94.
- 4.3 Tungsten inclusion and porosity in the weldments are to be limited to the extent of nil.
- 4.4 The successful bidder shall be responsible for taking the radiographs by their own equipment at their own cost for the entire job.
- 4.5 Radiographic film length shall be 250 mm minimum, except if the weld is less than 250 mm long.
- 4.6 Radiography reports as reviewed by TPI shall be submitted to Purchaser for final approval & acceptance.
- 4.7 Since item is to be used in critical applications to monitor the condition of vessel periodically, the defects of Tungsten inclusion and porosity which are falling within acceptable criteria shall be mapped with reference to the location, size and record shall be submitted to the purchaser during inspection.
- 4.8 The dye used for Dye-penetrant test shall not have chlorides more than 50 PPM.
- 4.9 **Any re-work / repair has to be carried out as specified in ASME boiler and Pressure vessel code with the approval of Third party/purchaser.**

Tender Specifications for fabrication, inspection and supply of Bleaching Column Top segment (99.6% aluminium hollow cylinder with loose flanges at ends)

5. Materials:

- 5.1 All materials used for the fabrication of item shall have traceability with MIL Certificates for chemical, mechanical and Ultrasonic.
 - 5.2 All materials used shall be tested as per Code in the Reputed Govt. approved testing labs before fabrication.
 - 5.3 The materials used for construction of item shall also be ensured free from any lamination and manufacturing defects.
 - 5.4 Material of construction shall be as per specified in Technical Specification
 - 5.5 All material used shall be tested for physical & chemical test parameters as per applicable codes in Reputed Government approved testing lab prior to fabrication.
 - 5.6 Material test certificate shall be furnished to Third Party Inspection (TPI) agency/purchaser as per Approved QAP for acceptance.
6. Detailed QAP has to be prepared after PO placement and shall be submitted to the Purchaser for approval. All activities to be carried out as per approved QAP only. The attached proposed QAP will form the basis for the final QAP. Any improvements / modifications in the QAP shall be binding on the successful bidder. During the course of fabrication, different stages of inspection are to be identified. The fabrication shall be carried out using tested and qualified materials only.

7. Cleaning:

All Metallic surfaces inside and outside having scales and foreign materials and all welded surfaces shall be cleaned. The cleaning is to be carried out for both inside and outside surfaces of the item.

8. Sealing

Before dispatch, the item shall be sealed so that ambient moisture never enters inside.

9. Third Party Inspection:

The supplier has to engage one of the TPI agency from DNV/LLOYDS / TUV / BVQI. The inspection Charges for Third Party Inspection shall be inclusive

Tender Specifications for fabrication, inspection and supply of Bleaching Column Top segment (99.6% aluminium hollow cylinder with loose flanges at ends)

in the offer cost and shall be paid by the vendor only. No extra cost shall be paid by the Purchaser in this regard.

10. **Delivery**

- a. Transportation, unloading at purchaser site (Propellant Complex Rasayani, A Unit of SDSC, ISRO, Tal.: Panvel, Dist.: Raigad, PIN-410207, Maharashtra) shall be carried out by the supplier.

b. **Delivery Schedule:**

Sl. No.	Description	Time line
1	PO release	T0
2	Submission of fabrication drawing for purchaser's approval	T1 = T0 + 2 weeks
3	Purchaser approval for proposed fabrication drawing	T2 = T1+ 2 weeks
4	Supply of item as per this specification document	T3 = T2 + 12 weeks
The total project nominal completion period: 16 Weeks		

c. **Production Master File**

The supplier along with the consignment shall supply three copies of production master files. Production master file should contain the following.

- i. Purchase Order
- ii. Fabrication Drawings 3 COPIES along with soft copies
- iii. Bill of Materials
- iv. Materials Test Certificates
- v. WPS, WPQ, PQR and Welding Layouts
- vi. Radiographic reports & Films
- vii. Certificates of clearance
- viii. Third party agency report
- ix. All the above reports / test results shall be bound neatly.

11. **General Conditions:**

- a. The attached drawing of item with this tender specification is for indicative purpose only. Successful bidder shall prepare engineering drawings of item fabrication meeting the requirements of this

Tender Specifications for fabrication, inspection and supply of Bleaching Column Top segment (99.6% aluminium hollow cylinder with loose flanges at ends)

- technical specification and shall submit the drawings for approval of TPI and Purchaser before commencement of fabrication.
- b. Offered price shall include fabrication, inspection, testing, supply, unloading at purchaser site, TPI charges and any other expenses related to the tendered items.
 - c. The purchaser will monitor the progress of work during the course of fabrication.
 - d. The item should be fabricated under the inspection of Third-Party Inspector/Purchaser.
 - e. Along with the item, supplier shall supply 2 sets of required PTFE gaskets and blind flanges for both ends.
 - f. Purchase order will be placed lowest offer price (L1).
 - g. Signed copies of the Annexure – 1,2,3, & 5 shall be submitted along with the technical bid.
 - h. **Pre – delivery Inspection (PDI):** to be carried out at Suppliers premises by purchaser representative. Same to be informed to purchaser, at least two weeks before the inspection plan. The item shall be delivered only after clearance given by purchaser representative at the time of Pre delivery inspection. PDI will be conducted as per approved and mutually agreed QAP only.
 - i. **Payment Terms:** 100% after receipt and acceptance of the item at purchaser site.
 - j. **GST:** At present the GST for this PO shall be considered as 5% on the tax invoice against the Exemption certificate provided by Department as per prevailing norms.
 - k. **LD/ Penalty Clause:** Delivery schedule indicated in the Purchase Order is the essence of the contract and if the party fails to meet the delivery schedule, Liquidated Damages will be levied @ 0.5% per week or part thereof subject to a maximum of 10% of order value.
 - l. **Performance Bank Guarantee:** Performance Bank Guarantee for 3% of the order value should be furnished in the form of Bank Guarantee from nationalized/scheduled bank or by Demand Draft valid till warranty period plus sixty days as claim period.

Tender Specifications for fabrication, inspection and supply of Bleaching Column Top segment (99.6% aluminium hollow cylinder with loose flanges at ends)

- m. Security Deposit:** Security Deposit for 3% of the order value is mandatory, Party shall furnish the Security Deposit in the form of Bank Guarantee from nationalized/scheduled bank or by Demand Draft valid till completion of the contract period plus sixty days towards claim period for faithful execution of the contract.
- n.** The validity of the offers / tenders should be 120 days from the date of opening of the tenders. **Tenders with offer validity less than the period mentioned above, will not be considered for evaluation.**
- o.** Guarantee/ Warranty shall be valid for a period of **12 months** from date of supply .
- p. 'Force Majeure'** means and includes wars, insurrections, revolution, civil disturbance, riots, terrorist acts, public strikes, hartal, bundh, fires, floods, epidemic, quarantine restrictions, freight embargoes, declared general strikes in relevant industries, Vis Major Act of Government, impeding reasonable performance of the Vendor and / or Sub-Contractor but does not include any foreseeable events, commercial considerations or those involving fault or negligence on the part of the party claiming Force Majeure. If a Force Majeure situation arises, the Bidder shall promptly notify PCR in writing of such condition and the cause thereof. Unless otherwise directed by PCR in writing, the Vendor shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
- q. Termination for Insolvency:** PCR may, at any time, terminate the Contract by giving written notice to the Vendor, if the Vendor becomes Bankrupt or insolvent or any application for bankruptcy, insolvency or winding up has been filed against it by any person. In this event, termination will be without compensation to the Vendor, provided that such termination will not prejudice or affect any right of action or remedy, which has accrued or will accrue thereafter to PCR.

Tender Specifications for fabrication, inspection and supply of Bleaching Column Top segment (99.6% aluminium hollow cylinder with loose flanges at ends)

- r. **Applicable Law:** The contract shall be interpreted in accordance with the laws of the Union of India and shall be subjected to the exclusive jurisdiction of courts at Mumbai.
- s. **MII clause:** For this tender, bids from Class-I & class-II Local Suppliers are only admissible as per MII clause. Hence provisions contained in Public Procurement (Preference to Make in India), Order 2017 issued by Department for Promotion of Industry and Internal Trade (DIPP), Ministry of Commerce & Industries vide letter No. P-45021/2/2017-PP(BE-II) dated 04.06.2020 and subsequent amendment & directives shall be followed. Related to the above, the general terms and conditions to be followed by supplier (while submitting the offers) are given in MII clause. The suppliers shall strictly adhere to these while submitting the offer.
- t. **Arbitration:** Any dispute or difference whatsoever arising between the Parties out of the contract or the validity or breach thereof, shall first be an attempt to mutually settle the same amicably. If, however, the said settlement being not possible shall thereafter be referred to a Sole Arbitrator, which will be Head, PGA, PROPELLANT COMPLEX, RASAYANI, Raigad District, Maharashtra. The venue of the said Arbitration shall be at Panvel/Navi Mumbai, and the provision of the Arbitration and Conciliation Act, 1996 shall apply to the said proceedings. The Award of the Arbitrator shall be final and binding upon both the parties.
- u. **Termination:** PCR reserves its right to terminate the Hire agreement for any reason at its absolute discretion including but not limited to the following: If the services are not adequate as follows, Breach of the contract terms & conditions and non-response of the contractor even after three notices.

12. **TWO PART BID:** Bidders shall quote the tender in two-part bid basis. Technical bid shall be evaluated first, only technically suitable bidders shall be allowed for price bid. The price bid will be evaluated based on individual line-item lowest offer (L1).

Tender Specifications for fabrication, inspection and supply of Bleaching Column Top segment (99.6% aluminium hollow cylinder with loose flanges at ends)

A. Technical BID QUALIFICATION CRITERIA

Bidders who are qualifying / meeting following Technical and financial criteria are eligible to participate in the bid for supply of items. Bidder shall furnish all the information mentioned in the criteria with documentary proof and submit along with quotation. Bids of the parties which are not meeting the following criteria will not be considered for evaluation and will be rejected without seeking any further clarifications.

B. Minimum Technical Qualification Requirements:

1. Bids from manufacturers / fabricators alone will be considered for evaluation. Bids from agents / traders / distributors / dealers, etc. will not be considered for evaluation.
2. Firm establishment / MSME / MSE certificate indicating nature of work shall be submitted with the technical bid. In case of MSME / MSE bidders, certificate mentioning Activity as "Manufacturing" under National Industrial Classification is mandatory.
3. Raw material availability/source of raw materials shall be indicated in the technical offer to avoid delay in the equipment fabrication after placement of PO. Towards this, necessary documentary evidence indicating the availability & conformance/commitment of raw material supply shall be submitted as a mandatory requirement for technical bid evaluation.
4. Bidder shall submit the documentary evidence for minimum two numbers aluminium storage tank fabrication works executed during previous 3 years' period. Bidder shall also submit corresponding work completion certificates / Inspection Release Note (by TPI agency) of Al material from the respective purchasers. Work completion certificate of material other than Al will not be considered.
5. Considering the need for precision fabrication, bidder shall necessarily possess in-house machinery like Plasma cutting machine, plate rolling machine, welding machine capable of Al & SS welding, etc. and all other machinery required to complete the job. Bidder shall submit required documentary evidence in this regard.

Tender Specifications for fabrication, inspection and supply of Bleaching Column Top segment (99.6% aluminium hollow cylinder with loose flanges at ends)

6. Towards Quality requirements, Bidder's organization / company / firm shall be ISO 9001 certified in the area of manufacturing activities. Bidder shall submit documentary evidence duly endorsed by TPI agency either by DNV/LLOYDS / TUV / EIL / BVQI or equivalent agency in this regard.

C. Financial Qualification Requirements:

1. IT/ TDS certificate shall be submitted for preceding three financial years.
2. Bidder shall submit CA certified audited statement of financial status and Profit & Loss statement for preceding three years.
3. Bidder shall submit **latest solvency certificate** issued during ongoing financial year of minimum value of **Rs. 7 lakhs** from scheduled / nationalized bank.

D. Bid Selection Procedure and Process of Pre-Qualification

1. Short listing based on documents submitted, satisfying all the eligibility criteria given above by the firm along with their Bid. (Non-submission of any document as given in above list within stipulated time may lead to rejection of Bid).
2. Subsequently Bidder's competency, their technical achievements and financial status will be evaluated suitable for this work. Feedbacks from Bidder's clients will be verified, if required.

E. Evaluation criteria for bidders:

1. After receipt of bids from the bidders, their credentials will be evaluated by the purchaser and their offers will be considered only after evaluation.
2. Purchaser reserves right to visit to earlier executed work sites, if required, where similar works have been carried out, erected and commissioned by the bidder, to ascertain their complete suitability for the jobs described above.
3. Purchaser reserves the right to reject the offers not complying to conditions mentioned in this tender specification document. No

Tender Specifications for fabrication, inspection and supply of Bleaching Column Top segment (99.6% aluminium hollow cylinder with loose flanges at ends)

communication from the rejected parties / bidders will be entertained by the purchaser

4. Technical bids submitted by the bidder will be opened first and evaluated for fulfilling the Pre-qualification criteria and other conditions in NIT/Tender documents, based on documentary evidences submitted along with the offer.
5. Visit to vendor's premises/ workshop by our technical team for assessing the technical capabilities of bidder, physical verification of machinery, etc. may be carried out as part of technical bid evaluation.
6. Relevant documents will be reviewed by the purchaser during factory visit, if required.
7. It is proposed to evaluate the bidders based on the previous experience in execution of the similar nature of works. The bidder has to confirm the details as enclosed in the **vendor evaluation format as per Annexure – I**.
8. Financial bids of shortlisted bidders (qualified in technical bid) shall only be opened.
9. Financial bids of unqualified bidders shall not be opened.
10. Conditional bids may be rejected by PCR. The technical evaluation shall be made strictly on the basis of the documents submitted by the bidders in support of the eligibility, the technical and commercial response. All the required information shall be furnished strictly in prescribed schedules/Annexure only. Any information indicated other than prescribed schedules/Annexure shall not be entertained. The financial evaluation shall be made on the basis of the total price/charges as indicated in the schedule of rates. Conditions, if any, on any document enclosed with financial Bid shall not be considered. Decision by Purchaser in this regard shall be final and binding.

Tender Specifications for fabrication, inspection and supply of Bleaching Column Top segment (99.6% aluminium hollow cylinder with loose flanges at ends)

Annexure - 1

VENDOR EVALUATION FORMAT

The Bidder must submit the following table with documentary proof to confirm his acceptance to meet the requirements detailed above, without which the offer will not be considered.

Sl. No.	DESCRIPTION	To be filled / confirmed by the bidder
1.	Name of Company	
2.	Address of Company	
3.	Type of Company (Proprietary/Private Ltd /Public Ltd/Joint Venture/Consortium)	
4.	Registration number	
5.	Year of inception of the company	
6.	Registered address	
7.	Name & address of the office of the Chief Executive of the company	
8.	Name & Designation of the officer of the Bidder to whom all correspondence shall be made for expeditious technical/ commercial co-ordination.	
	Telephone number :	
	Fax number:	
	E-mail address :	

Tender Specifications for fabrication, inspection and supply of Bleaching Column Top segment (99.6% aluminium hollow cylinder with loose flanges at ends)

Sl. No.	DESCRIPTION	To be filled / confirmed by the bidder
9.	Bidder's previous track record: The Manufacturer shall be a Company/Society/Firm registered since last 3 years or more.	
10.	Locations of the Branches of Company (if any)	
11.	Annual turn-over of the company for the last three years	
12.	IT returns for the last 3 years	
13.	Enclose copies of the similar Purchase Orders executed in last three years	
14.	Customers feedback on the services which is in writing (Pl. enclose copies)	
15.	Quality certification of the company, Documentary proof to be attached	
16.	Acceptance for Scope of work as detailed in tender specification document	
17.	Acceptance of QAP & Inspection Clauses as detailed in tender specification document	
18.	Acceptance for Fabrication, Inspection, Testing and Supply to Propellant Complex, Rasayani, ISRO, Raigad District, Maharashtra as mentioned in the tender specification document	
19.	The bidder shall not have been blacklisted / debarred by Central Government or any State Government organization / department / PSUs in India at the time of submission of the Bid (Self-declaration has to be attached)	
20.	Confirm acceptance of the Delivery schedule as detailed in tender specification document	

Tender Specifications for fabrication, inspection and supply of Bleaching Column Top segment (99.6% aluminium hollow cylinder with loose flanges at ends)

Sl. No.	DESCRIPTION	To be filled / confirmed by the bidder
21.	Visit by Purchaser: During the Technical evaluation of the Tender, if required the purchaser has right to visit the bidder's facilities to Clarify / confirm the documents /claims submitted in the offer. It is the responsibility of the bidder to submit necessary supporting documents to evaluate technical competency to meet the specifications of this document	
22.	Bidder shall agree to all the terms and conditions of the tender specifications	
23.	TWO PART BID: Bidders shall quote the tender in two-part bid basis. Technical bid shall be evaluated first, only technically suitable bidders shall be allowed for price bid.	

(SIGNATURE OF BIDDER)

Tender Specifications for fabrication, inspection and supply of Bleaching Column Top segment (99.6% aluminium hollow cylinder with loose flanges at ends)

Annexure 2

EXCEPTIONS AND DEVIATIONS In line with Proposal Document, Bidder may stipulate Exceptions and deviations to the Proposal conditions if considered unavoidable.

SL. NO	Reference in Specification		Purchaser Spécifications	Offered Spécifications	DEVIATION
	PAGE NO	CLAUSE NO			

NOTE :

Only deviations are to be written in this Annexure.

Any deviations taken by the Bidder to the stipulations of the Proposal document shall be brought out strictly as per this format and enclosed along with the bid.

Any deviations not brought out as per this Proforma and written elsewhere in the Proposal document shall not be recognized and the same is treated as null and void.

Any wilful attempt by the Bidder to camouflage the deviations by giving them in the covering letter or in any other documents that are enclosed may render the Bid itself non-responsive.

(SIGNATURE OF BIDDER)

Tender Specifications for fabrication, inspection and supply of Bleaching Column Top segment (99.6% aluminium hollow cylinder with loose flanges at ends)

Annexure -3

TENDER ACCEPTANCE LETTER
(To be given on Company Letter Head)

Date:

To,

SPSO, PCR, ISRO

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No: _____

Name of Tender / Work: -.

Dear Sir,

1. I / We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely:..... as per advertisement, given in the above-mentioned website(s).

2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents of all pages (including all documents like annexure(s), schedule(s), etc.), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.

3. The corrigendum(s) issued from time to time by department/ organization too has also been taken into consideration, while submitting this acceptance letter.

4. I / We hereby unconditionally accept the tender conditions of above-mentioned tender document(s) / corrigendum(s) in its totality / entirety.

5. I / We do hereby declare that our Firm has not been blacklisted/ debarred by any Govt. Department/Public sector undertaking/Private organization.

6. I / We certify that all information furnished by our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then department/ organization shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit /Security deposit or both absolutely.

Signature of authorized person

Date:

Full Name & Designation:

Place:

Company's Seal

Tender Specifications for fabrication, inspection and supply of Bleaching Column Top segment (99.6% aluminium hollow cylinder with loose flanges at ends)

Annexure -4

QUALITY ASSURANCE PLAN (QAP)

Proposed Quality Assurance Plan (to be updated and finalised after placement of P.O)

Sl. No.	Characteristics / type of check	Ref. Document	Method of check	Quantum of check		
				Supplier QC	TPI	ISRO
1	Identification of material & testing	As per PO	Visual	100% H	100% R	R & A
2	Raw material testing	As per PO	Visual	100% H	100% R	R & A
3	Review of fabrication drawings	As per PO/ drawing	Material / design adequacy	100% H	100% R	R & A
4	Review of welding procedure & Qualification	AWS	Review	100% H	100% R	R & A
5	Checking of root run & final weld by dye Penetrant test (butt welds)	As per PO	Visual	100% W	100% R	R
6	Dye Penetrant test on all fillet welds.	As per PO	Visual	100% W	100% R	R
7	Visual & Dimensional inspection	As per approved drawing	Dimension	100% W	100% W	W
8	Evaluation of radiography films of all butt welds	As per PO	Film evaluation	100% W	100% R	R & A
9	Mechanical cleaning and buffing at accessible places.	As per PO	Visual	100% W	100% R	R
10	Production master file	As per PO	Document	100% R	--	R

Legend: R – Review, W – Witness, H – Hold, A - Approval

Note: The purchaser reserves right to participate in the Inspection and review any documents related to job at any stage of fabrication & the supplier has to intimate the work progress periodically.

Tender Specifications for fabrication, inspection and supply of Bleaching Column Top segment (99.6% aluminium hollow cylinder with loose flanges at ends)

Annexure – 5

Bidder's Compliance matrix:

Sl.no.	Tender Specification	Compliance by the bidder
1	The scope of supply involves Fabrication, Inspection, Testing, Supply, and unloading of BC-Top segment at purchaser site.	
2	The intended item is proposed to be a one – to – one replacement of existing unit in the operational N2O4 plant. Hence the new unit has to be dimensionally correct.	
3	The detailed fabrication drawing of new item and having outer dimensions equal to existing unit shall be proposed by the successful bidder.	
4	Welding by 100% GTAW process shall be adopted with high purity Argon gas shielding, right from root to final passes for all butt welds (Long seams, 'C' seams, pipe to flange joints) and all internal and external welds including fillet welds	
5	Double operating welding technique shall be employed for butt joints	
6	Filler wire of 99.6% of Aluminium shall be used for aluminium welding	
7	i. Vendor has to submit PQR (Procedure Qualification Record) & WPS (Welding Procedure Specifications) for purchaser approval ii. No welding shall be undertaken without approval of the welding procedure. Welders, before being engaged, must be qualified as per AWS. 6G qualified welder only shall be engaged.	
8	All materials shall be tested for physical & chemical test parameters as per applicable codes in Reputed Government approved testing lab prior to fabrication.	

Tender Specifications for fabrication, inspection and supply of Bleaching Column Top segment (99.6% aluminium hollow cylinder with loose flanges at ends)

Sl.no.	Tender Specification	Compliance by the bidder
9	Radiography: 100% of all butt weld joints - All welds shall be inspected and tested as per code and this specification. - Radiographs have to be carried out with a sensitivity of 2-2T as per ASME sec V. - All butt welds (Long seam &'C' seam welds) shall be radiographed 100 % and interpreted as per code and applicable appendix. - The successful bidder shall be responsible for taking the radiographs by their own equipment at their own cost for the entire job. - Radiographic film length shall be 250 mm minimum, except if the weld is less than 250 mm long. - Radiography reports as reviewed by TPI shall be submitted to Purchaser for final approval & acceptance.	
10	Material test certificate shall be furnished to Third Party Inspection (TPI) agency for review and then to purchaser for approval	
11	QAP to be prepared after PO placement and shall be submitted to the Purchaser for approval. All activities to be carried out as per approved QAP only. The attached proposed QAP will form the basis for the final QAP. Any improvements / modifications in the QAP shall be binding on the successful bidder.	
12	Successful bidder shall submit TPI reviewed proposed fabrication drawings within 1 month from PO release date for purchaser's approval.	
13	Mechanical Cleaning at accessible locations	
14	Item sealing as per this Tender Specification Document	
15	The supplier has to engage one of the TPI agency from among DNV/LLOYDS / TUV / BVQI. The Inspection Charges for Third Party Inspection shall be paid by Vendor only.	
16	Transportation, Unloading shall be carried out by the supplier at Propellant Complex Rasayani, A	

Tender Specifications for fabrication, inspection and supply of Bleaching Column Top segment (99.6% aluminium hollow cylinder with loose flanges at ends)

Sl.no.	Tender Specification	Compliance by the bidder
	Unit of SDSC, ISRO, Tal.: Panvel, Dist.: Raigad, PIN-410207, Maharashtra	
17	The supplier along with the consignment shall supply three copies of production master files as per this Tender Specification Document along with soft copies of drawings	
18	Purchase order will be placed on lowest offer price (L1).	
19	Firm establishment / MSME / MSE certificate indicating nature of work as Manufacturing / Fabrication or equivalent shall be submitted with the technical bid. In case of MSME / MSE bidders, certificate mentioning Activity as "Manufacturing" under National Industrial Classification is mandatory	
20	Bidder shall submit the documentary evidence for minimum 2 fabrication work of similar capacity or higher made up of Aluminium material executed during previous 3 years' period. Bidder shall also submit corresponding work completion certificates / Inspection Release Note (by TPI agency) of Aluminium material from the respective purchasers. Work completion certificate of material other than Aluminium will not be considered.	
21	Raw material availability / source of raw materials shall be indicated in the technical offer to avoid delay in the equipment fabrication after placement of PO. Towards this, necessary documentary evidence indicating the availability & conformance/commitment of raw material supply by the bidder shall be submitted as a mandatory requirement for technical bid evaluation.	
22	IT/ TDS certificate shall be submitted for preceding three financial years	
23	Bidder shall submit CA certified audited statement of financial status for preceding three years.	
24	Bidder shall submit latest solvency certificate issued during ongoing financial year of minimum value of Rs. 7 lakhs from scheduled / nationalized bank.	

Tender Specifications for fabrication, inspection and supply of Bleaching Column Top segment (99.6% aluminium hollow cylinder with loose flanges at ends)

Sl.no.	Tender Specification	Compliance by the bidder
25	Submission of signed Annexure - 1	
26	Submission of signed Annexure - 2	
27	Submission of signed Annexure - 3	
28	Compliance to QAP as per Annexure - 4 and confirmation for updating after placement of PO	
29	Submission of signed Annexure - 5	

(SIGNATURE OF BIDDER)