

**GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
LIQUID PROPULSION SYSTEMS CENTRE, VALIAMALA (LPSC)
THIRUVANANTHAPURAM**

Tender for Polycarbonate or PTFE Seals & Gaskets for Umbilicals

Bids to be submitted online

Tender No.: LPSC/LVF/LP202100040401 dated 01-10-2021

A. Tender Details

Tender No :	LPSC/LVF/LP202100040401
Tender Date :	01-10-2021
Tender Classification:	GOODS
Purchase Entity :	LVF
Centre :	LIQUID PROPULSION SYSTEMS CENTRE, VALIAMALA (LPSC)

Polycarbonate or PTFE Seals & Gaskets for Umbilicals

For and on behalf of the President of India, the Head, Purchase & Stores, Liquid Propulsion Systems Centre (LPSC), Valiamala, Thiruvananthapuram invites tenders through e-procurement mode; <https://eproc.isro.gov.in> Prospective vendors interested in participating in the tendering process need to get registered in the portal by using Digital Signature Certificate. Offers submitted through our online portal only will be considered and no other means will be considered.

Detailed instruction, pre-requisites and illustrative tutorials for bid enrolment, preparation etc are available in the portal at <https://eproc.isro.gov.in>. A help desk is also functioning to assist the vendors whose contact details are available in the portal.

A.1 Tender Schedule

Bid Submission Start Date :	01-10-2021 11:00
Bid Clarification Due Date :	07-10-2021 14:00
Bid Submission Due Date :	02-11-2021 14:00
Bid Opening Date :	02-11-2021 14:30

B. Tender Attachments

Technical Write-up/Drawings

Document : Annexure - VIII -- Compliance Statement

Document : Nylon drawings (Sl. No. 66 to 76)

Document : PTFE drawings

Document : Poly carbonate drawings

Document : Annexure VII- Spec, quality & supply conditions for Nylon

Document : Annexure VI- Quality & Supply conditions for PTFE

Document : Annexure V - PTFE Spec

Document : Annexure IV - Quality & Supply conditions for polycarbonate

Document : Annexure III- Poly carbonate spec

Document : Spec & Requirement

Document : Scope of work

Instructions To Vendors

1. INSTRUCTIONS TO TENDERERS AND TERMS & CONDITIONS OF TENDER - PUBLIC TENDER (SINGLE PART)

1. Resolution of Disputes:-

Any dispute, disagreement or question arising out of or relating to or in consequence of the contract or to its fulfillment, or the validity of enforcement thereof which cannot be settled mutually, or the settlement of which is not herein specifically provided for, shall within 30 (thirty) days from the date either party informs the other in writing that such dispute or disagreement exists be referred to arbitration by the sole arbitrator.

The Arbitrator shall be appointed As per the Indian Arbitration and Conciliation Act 1996 and proceedings will be conducted in Trivandrum. The Arbitration proceedings shall be conducted in accordance with and subject to the Arbitration and Conciliation Act 1996 (Act 26 of 1996) as amended

from time to time and the decision of the Arbitrator shall be final and binding on the parties thereto. Each party shall bear its own cost of preparing and presenting its case. The cost of Arbitration including the fees and expenses of the Arbitrator shall be shared equally by the parties unless the award provides otherwise.

Subject to provisions of this clause, the courts at Kerala shall have exclusive jurisdiction.

Performance under this Contract shall, however continue during Arbitration proceeding and no payment due or payable by the parties hereto shall be withheld unless any such payment is/ or forms a part of the subject matter of the Arbitration proceedings.

2. Language and Measures :-

All documents pertaining to the Contract including specification, schedule, notice, correspondence, operating and maintenance instructions, drawings or any other writings shall be written in English Language. The metric system of measurement shall be used exclusively in the Contract.

3. Indemnity:-

The Contractor shall warrant and be deemed to have warranted that all stores supplied against this Contract are free and clean of Infringement of any Patent, Copy right or Trade mark and shall at all times indemnify the Purchaser against all claims which may be made in respect of stores for infringement of any right protected by patent, registration of design or trade mark, and shall take all risk of accident or damage which may cause a failure of the supply from whatever cause arising and the entire responsibility for the sufficiency of all the means used by him for the fulfilment of the Contract.

4. Counter Terms and Conditions of suppliers :-

Where counter terms and conditions / printed or cyclostyled conditions has been offered by the Supplier, the same shall not be deemed to have been accepted by the Purchaser unless specific written acceptance thereof is obtained.

5. Training:-

The Contractor shall, if required by the Purchaser, provide facilities for the practical training of Purchasers engineering / technical personnel from India and for the active association on the manufacturing processes throughout the manufacturing period of the Contract / Stores, number of such personnel to be mutually agreed upon.

6. Applicable Law:-

The Contractor shall be interpreted, construed and governed by the Law of India.

7. Extension of Time :-

If the completion of supply of Stores is delayed due to reason of FORCE MAJEURE such as acts of God, acts of public enemy, acts of Government, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes etc., the Contractor shall give notice within 15 days to the Purchaser in writing of his claim for an extension of time. The Purchaser on receipt of such notice after verification, if necessary, may agree to extend the Contract delivery date as may be reasonable but without prejudice to the other terms and conditions of the Contract.

8. Contractors Default Liability :-

The purchaser may upon written notice of default to the Contractor terminate the Contract in whole or in part in circumstances detailed hereunder:

- a) If in the judgement of the Purchaser the Contractor fails to make delivery of Stores within the time specified in the Contract/agreement or within the period for which extension has been granted by the Purchaser to the Contractor.
- b) If in the judgment of the Purchaser the Contractor fails to comply with any of the other provisions of this Contract.

9. Payment :-

For Indigenous supplies :- 100% payment shall be made through RTGS within 30 days of receipt and acceptance of the item at our site against submission of PBG.

For Import supplies :-

(a)SIGHT DRAFT

(b)80% payment by Letter of Credit and balance 20% by Wire Transfer after receipt and acceptance of the ordered item against submission of PBG.

Note :- Bank Charges including the charges towards advising / amendment commissions should be in respective accounts.

10. 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 or for a period as specified in the tender document 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) All the replacement stores shall also be guaranteed for a period of 12 months from the date of arrival of the stores at purchaser's site.

11. Performance Bank Guarantee (PBG) :-

To fulfil guarantee conditions outlined in clause 12(a) to (e) above, the Contractor shall, at the option of the purchaser, furnish a Bank Guarantee (as prescribed by the purchaser) from a Bank approved by the purchaser for an amount equivalent to 3% of the value of the Contract along with first shipment documents. On the performance and completion of the Contract in all respects, the Bank Guarantee will be returned to the Contractor without any interest.

12. Security Deposit (SD) :- Applicable for order value above INR 5 L.

On acceptance of the order, the Contractor shall, at the option of the Purchaser and within the period specified by him, deposit with him, in cash or in any other form as the Purchaser may determine, security deposit not exceeding 3 percent of the value of the Contract as the Purchaser shall specify. If the Contractor is called upon by the Purchaser to deposit Security and the Contractor fails to provide the security within the period specified, such failure shall constitute a breach of the Contract, and the Purchaser shall be entitled to make other arrangements for the re-purchase of the stores Contracted at the risk of the Contractor in terms of Sub-Clause (ii) and (iii) of clause 15(b) hereof and/or to recover from the Contractor, damages arising from such cancellation.

13. DELIVERY AND LIQUIDATED DAMAGES (LD) :-

(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 15 (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.

14. a) As far as implementation of provision for Public Procurement (Preference to Make in India) Order, 2017 is concerned, the Office orders vide No. P-4502/2/2017-B.E-II dt 15.06.2017, which is partially modified by Order No.P-45021/2/2017-PP (BE-II) dt 28.05.2018, Order P- 45021/2/2017-PP (BE-II) dt 29.05.2019, Order No. P-45021/2/2017-PP (BE-II) dt 04.06.2020 and Order No. P-45021/2/2017-PP (BE-II) 16.09.2020 and subsequent Amendments issued by the Department of Promotion of Industries and Internal Trade, Ministry of Commerce and Industry regarding Class-I/Class-II local suppliers, Purchase preference, verification of local contents etc shall be applicable to this tender. Therefore, bidders are requested to ensure compliance of the same while submitting tenders.

The tendered requirement is having local content more than 20%. Hence, the provision/evaluation of offers shall be as per the office orders mentioned above, issued by Govt. of India. Bidders have to submit all relevant documents as per the said office orders

b) Price Preference shall be extended to the MSEs under the Public Procurement Policy for MSEs. Such MSE s shall produce documentary proof of registration as per provisions of the Policy ie: registration with District Industries Centre (DIC) or Khadi and Village Industries Commission (KVIC) or Khadi and Industries Board (KVIB) or Coir Board or National Small Industries Commission (NSIC) or Directorate of Handicrafts and Handlooms or Udyog Aadhar Memorandum or any other body specified by Ministry of MSME.

15. Specifications:-

a) Stores offered should strictly conform to Purchasers specifications. Deviations, if any, should be clearly indicated by the tenderer in his quotation. The tenderer should also indicate the Make/Type

number of the stores offered and provide catalogues, technical literature and samples, wherever necessary, along with the quotations. Wherever options are called for in our specifications, the tenderer should address all such options.

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

16. Quantity (QTY) and Unit of Measure (UOM)

Quote should be as per the quantity and unit of measure mentioned the tender. If dimensional details are available, the same should also be indicated in your offer.

17. Delivery Term :-

a) For Import supplies :- FOB / FCA

b) For Indigenous supplies :- Ex-Works / FOR LPSC

18. Price :

a) Price should be firm and fixed and should be on the basis of FOR, LPSC / 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.

b) Tenders 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 variations.

c) Prices are required to be quoted according to the units indicated in the tender. 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.

d) The FOB/FCA value, the C & F value for import by Sea freight / Air freight up to and for air parcel post up to LPSC, Thiruvananthapuram should be separately indicated.

e) Agency Commission, if any, should be clearly indicated in the quote. The amount of commission included in the price and payable to the Indian Agent of the Contractor shall be paid directly to the Indian Agents by the Purchaser in equivalent Indian Rupees on the basis of an Invoice from him applying T.T. buying rate of exchange ruling on the date of placement of the Purchase Order and which shall not be subject to any further exchange variations. This payment will be released to the Indian Agent after the Customs Clearance, receipt, installation & commissioning (wherever necessary) and acceptance of the goods/equipment by us. The Contractor shall invoice only for the net amount payable to him, after deducting the amount of Agency Commission included in the invoice which would be paid to the Indian Agents directly by the Purchaser. However, the Contractor's invoice should separately reflect the amount of commission payable to his Indian Agent with applicable GST, if any.

f) Name and Address of the Indian Agent should be mentioned in the offer

19. g) Special conditions against Indian Agents submitting quotations in Foreign Currency :-

(i) Foreign Principals proforma invoice indicating the commission payable to the Indian Agent with GST, if any and nature of after sales service to be rendered by the Indian Agent.

(ii) Copy of Agency Agreement with the Foreign Principal, precise relationship between them and their mutual interest in the business.

(iii) Either the Indian Agent on behalf of the Foreign Principal or the Foreign Principal directly could bid in a tender but not both. Further, in case where an agent participates in a tender on behalf of one Principal, he should not be allowed to quote on behalf of another Principal in the same tender for the same item.

20. Taxes :-

a) For Indigenous supplies, GST intended to be claimed, should be distinctly shown separately in the tender. Being a Public Funded Research Organisation, we are eligible for payment of concessional rate of GST (present rate is 5%) for which we will provide a GST / IGST Concessional Certificate in case of placement of order. However, the applicable GST / IGST shall be clearly mentioned in your offer along with HSN code of the offered items.

b) For Import supplies, the FOB / FCA and C&F prices quoted should be inclusive of all taxes, levies, duties arising in the tenderers country along with HSN code of the offered items.

21. Bank Details :-

a) For Indian Suppliers :- The offer should contain Bank details viz., Bankers Name, Address, Phone No. & Mail id, Bank Account No., IFSC code, PAN No., GST No., etc.

b) For Foreign Suppliers :- The offer should contain Bank details viz., Bankers Name, Address, Phone No. & Mail id, Bank Account No., SWIFT Code, IBAN No. etc.

22. Offer Validity :-

a) For Single Part Tender - Quotation should be valid for 90 days from the date of opening of the tender or any other period as specified in the tender.

b) For Two Part Tender - Quotation should be valid for 120 days from the date of opening of the tender or any other period as specified in the tender.

Note :- Offer with validity lesser than that specified is liable for exclusion from the procurement process

23. Delivery Period :-

The time for and the date / period of delivery of the stores stipulated in the Tender / Purchase Order

shall be deemed to be the essence of the contract and delivery must be completed on or before the specified dates.

24. Packing Forwarding & Insurance:-

a)For Indigenous supplies :- The Contractor will be held responsible for the stores being sufficiently and properly packed for transport by Rail / Road 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.

b)For Import supplies :- The contractor wherever applicable shall pack and crate all stores for Sea / Air shipment as applicable in a manner suitable for export to a tropical humid climate, in accordance with Internationally accepted export practices and in such a manner so as to protect it from damage and deterioration in transit by Rail / Road & Sea for space qualified stores. The Contractor shall be held responsible for all damages due to improper packing. The Contractor shall ensure that each box / unit of shipment is legible and properly marked for correct identification. The failure to comply with this requirement shall make the Contractor liable for additional expenses involved.

c)Insurance : 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

25. Mode of Despatch :-

a)For supplies BY ROAD / BY RAIL:-

The Contractor is responsible for obtaining a clear receipt from the Transport Authorities specifying the goods despatched. The consignment should be despatched with clear Railway Receipt/Lorry Receipt. If sent in any other mode, it shall be at the risk of the Contractor.

Purchaser will take no responsibility for short deliveries or wrong supply of goods when the same are booked on 'said to contain' basis. Purchaser shall pay for only such stores as are actually received by them in accordance with the Contract.

The Contractor will be held responsible for any demurrage / wharfage paid due to non-receipt of documents in time.

b)For Supplies BY AIR / BY SEA (As per the instructions in Purchase Order)

One set of Non-negotiable copies of despatch documents should be sent by mail immediately after shipment to us without fail for our verification and tracing the consignment.

Originals should be negotiated, through bank. Apart from the despatch documents negotiated through Bank, a copy of the following documents shall also be air mailed to the purchaser within seven days from the date of shipment by sea and within 3 days in case of air consignment

Commercial Bill of Lading/Air Way Bill

Commercial Invoice describing the stores delivered, quantity, unit rate and their total value, in triplicate.

The invoice should indicate the discounts, if, any, and Agency Commission separately.

Packing List showing individual dimensions and weight of packages.

Test Certificate

Country of Origin Certificate in duplicate

Declaration by the Seller that the contents in each case are not less than those entered in the invoices and the quality of the stores are guaranteed as per the specifications asked for by the Purchaser.

For Sea Consignments, ordered items shall be shipped through Indian Flagged Vessels only.

Partshipment Not Allowed. Transshipment Allowed. Transshipment of equipment shall not be permitted except with the written permission of the Purchaser

2. SPECIAL INSTRUCTIONS TO TENDERERS

1. As far as implementation of public procurement policy (Preference to Make In India) Order, 2017 is concerned, the Office Orders vide No. P-45021/2/2017-B.E-II dt.15.06.2017, which is partially modified by Order No. P-45021/2/2017-PP(BE-II) dt.28.05.2018, Order No.P-45021/2/2017-PP(BE-II)dt. 29.05.2019, Order No. P-45021/2/2017-PP (BE-II) dt 04.06.2020 and Order No.P-45021/2/2017-PP (BE-II) dt16.09.2020 and subsequent Amendments issued by the Department for Promotion of Industries and Internal Trade, Ministry of Commerce and Industry regarding Class-I/Class-II local suppliers, Purchase preference, verification of local contents etc shall be applicable to this tender. Therefore, bidders may ensure compliance of the same while submitting tenders.

2. The tendered requirement is having local content more than 20%. Hence, the provision/evaluation of offers shall be as per the office orders mentioned above, issued by Govt. of India. Bidders have to submit all relevant documents as per the said office orders.

3. Class-I local suppliers are only eligible to participate in this tender

4. Price Preference shall be extended to the MSEs under the Public Procurement Policy for MSEs. Such MSEs shall produce documentary proof of registration as per provisions of the Policy ie: registration with District Industries Centre (DIC) or Khadi and Village Industries Commission (KVIC) or Khadi and Industries Board (KVIB) or Coir Board or National Small Industries Commission (NSIC) or Directorate of Handicrafts and Handlooms or UdyogAadhar Memorandum or any other body specified by Ministry of MSME.

C. Bid Templates

C.1 Technical Bid - Polycarbonate or PTFE Seals & Gaskets for Umbilicals

1. Plastics and Polymers (6445-8230-19)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Raw material Procurement, fabrication & delivery of sealing ring - pyro	Drg No: 6445-8230-19	Yes / No / Explain		

2. Plastics and Polymers (12CUS-6120-206A SI No. 1)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Sealing ring	DRG NO: 12CUS-6120-206A, SL No. 1	Yes / No / Explain		

3. Plastics and Polymers (12CUS-6120-213)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Sealing ring OCHO	DRG NO: 12CUS-6120-213	Yes / No / Explain		

4. Plastics and Polymers (12CUS-6120-207A)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Sealing ring-FRPS	DRG.NO.12CUS-6120-207A	Yes / No / Explain		

5. Plastics and Polymers 5 (12CUS-6120-208A-SI. No. 1)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Washer	DRG.NO. 12CUS-6120-208A, SI.No 1	Yes / No / Explain		

6. Plastics and Polymers (12CUS-6120-208A- SI. No. 2)**Item specifications for Plastics and Polymers**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Washer	DRG.NO. 12CUS-6120-208A SI No 2	Yes / No / Explain		

7. Plastics and Polymers (12CUS-6220-211A)**Item specifications for Plastics and Polymers**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Sealing Ring - FGP	DRG. NO. 12CUS-6220-211A	Yes / No / Explain		

8. Plastics and Polymers (12CUS-6220-212A- SI. No. 89)**Item specifications for Plastics and Polymers**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Sealing ring	DRG. No. 12CUS-6220-212A, SI No 89	Yes / No / Explain		

9. Plastics and Polymers (12CUS-6220-212A- SI. No. 90)**Item specifications for Plastics and Polymers**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Sealing ring	DRG. No. 12CUS-6220-212A, SI. No. 90	Yes / No / Explain		

10. Plastics and Polymers (12CUS-6220-212A- SI. No. 91)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Sealing Ring	DRG.No. 12CUS-6220-212A, SI No 91	Yes / No / Explain		

11. Plastics and Polymers (12CUS-6220-213A)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Sealing ring- FCHO	DRG. No. 12CUS-6220-213A	Yes / No / Explain		

12. Plastics and Polymers (12CUS-6220-56-01)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Sealing Ring	DRG. No. 12CUS-6220-56-01	Yes / No / Explain		

13. Plastics and Polymers (12CUS-6220-56A)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Sealing Ring	DRG. No. 12CUS-6220-56A	Yes / No / Explain		

14. Plastics and Polymers (12CUS-6220-18A, No. 20)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
-------	---------------	-------	------------	-----------------------	--------

1	Sealing ring	DRG. No. 12CUS-6220-18A, part no 20	Yes / No / Explain		
---	--------------	-------------------------------------	--------------------	--	--

15. Plastics and Polymers (12CUS-6220-18A, No. 21)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Sealing ring	DRG. No. 12CUS-6220-18A, part no 21	Yes / No / Explain		

16. Plastics and Polymers (12CUS-6220-18A, No. 22)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Sealing Ring	DRG. No. 12CUS-6220-18A, part no 22	Yes / No / Explain		

17. Plastics and Polymers (6445-8600-302)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Washer -AUON	DRG. No. 6445-8600-302	Yes / No / Explain		

18. Plastics and Polymers (6445-8100-312)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Washer - AUHD	DRG. No 6445-8100-312	Yes / No / Explain		

19. Plastics and Polymers (6445-8100-313)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Washer AUHV,AUON,AUOD	DRG.NO. 6445- 8100-313	Yes / No / Explain		

20. Plastics and Polymers (6445-7100-02-CL)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	AUON, CLOSURE	DRG. NO. 6445- 7100-02-CL	Yes / No / Explain		

21. Plastics and Polymers (6445-7100-03-CL)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	FEPS CLOSURE	DRG. NO. 6445- 7100-03-CL	Yes / No / Explain		

22. Plastics and Polymers (12CUS-6220-120-CL)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	FECHO CLOSURE	DRG. NO. 12CUS- 6220-120-CL	Yes / No / Explain		

23. Plastics and Polymers (12CUS-6120-120-CL)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	UOCO CLOSURE	DRG. NO. 12CUS- 6120-120-CL	Yes / No / Explain		

24. Plastics and Polymers (6220-30-CL)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	FLIGHT NUT CLOSURE	DRG. NO. 6220-30-CL	Yes / No / Explain		

25. Plastics and Polymers (6445-30-CL)**Item specifications for Plastics and Polymers**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	FLIGHT NUT CLOSURE	DRG. NO. 6445-30-CL	Yes / No / Explain		

26. Plastics and Polymers (6445-8100-02-CL)**Item specifications for Plastics and Polymers**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	AUHD/AUHV CLOSURE	DRG. NO. 6445-8100-02-CL	Yes / No / Explain		

27. Plastics and Polymers (12CUS-6220-16-CL)**Item specifications for Plastics and Polymers**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	UHFD/UORV CLOSURE	DRG.NO 12CUS-6220-16-CL	Yes / No / Explain		

28. Plastics and Polymers (12CUS-6220-14-CL)**Item specifications for Plastics and Polymers**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	FVR CLOSURE	DRG. NO. 12CUS-6220-14-CL	Yes / No / Explain		

29. Plastics and Polymers (12CUS-6220-19-CL1)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	UHPV CLOSURE	DRG. NO 12CUS-6220-19-CL 1	Yes / No / Explain		

30. Plastics and Polymers (12CUS-6220-15-CL)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	UHRV CLOSURE	DRG.NO 12CUS-6220-15-CL	Yes / No / Explain		

31. Plastics and Polymers (12CUS-6220-16A-CL)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	UOFD/UOTC CLOSURE	DRG. NO. 12CUS - 6220-16A-CL	Yes / No / Explain		

32. Plastics and Polymers (12CUS-6220-19-CL2)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	C25 PURGE CLOSURE	DRG. NO. 12CUS-6220-19-CL2	Yes / No / Explain		

33. Plastics and Polymers (12CUS-6220-19-CL3)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
-------	---------------	-------	------------	-----------------------	--------

1	FPFD CLOSURE	DRG. NO. 12CUS - 6220-19-CL3	Yes / No / Explain		
---	--------------	------------------------------	--------------------	--	--

34. Plastics and Polymers (6220-GP2-CLOSURE-AUON)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CLOSURE-AUON	DRG. NO. 6220-GP2-CLOSURE - AUON	Yes / No / Explain		

35. Plastics and Polymers (6220-GP2-CLOSURE-FCHO)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CLOSURE -FCHO	DRG. NO. 6220-GP2 CLOSURE FCHO	Yes / No / Explain		

36. Plastics and Polymers (6220-GP2-CLOSURE)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CLOSURE -OCHO	DRG.NO.6220-GP2 CLOSURE	Yes / No / Explain		

37. Plastics and Polymers (6220-GP2-CLOSURE-FEPS)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CLOSURE -FEPS	DRG.NO. 6220-GP2 CLOSURE- FEPS	Yes / No / Explain		

38. Plastics and Polymers (6220-GP2-CLOSURE-FGP)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CLOSURE-FGP	DRG. NO. 6220-GP2 CLOSURE - FGP	Yes / No / Explain		

39. Plastics and Polymers (6552-2000-118-CL-01)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CLOSURE -UOGP	DRG.NO. 6552- 2000-118-CL-01	Yes / No / Explain		

40. Plastics and Polymers (6220-GP2-CLOSURE-OTC/OFD)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CLOSURE - OTC/OFD	DRG.NO. 6220-GP2 CLOSURE - OTC/OFD	Yes / No / Explain		

41. Plastics and Polymers (6220-GP2-CLOSURE-AUHD)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CLOSURE -AUHD	DRG. NO. 6220- GP2-CLOSURE- AUHD	Yes / No / Explain		

42. Plastics and Polymers (6220-GP2-CLOSURE-AUOV)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CLOSURE -AUOV	DRG. NO. 6220- GP2-CLOSURE- AUOV	Yes / No / Explain		

43. Plastics and Polymers (6220-GP2-CLOSURE-FFD)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CLOSURE -FFD	DRG. NO. 6220-GP2 CLOSURE-FFD	Yes / No / Explain		

44. Plastics and Polymers (6220-GP2-CLOSURE-FVR)**Item specifications for Plastics and Polymers**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CLOSURE - FVR	DRG. NO. 6220-GP2 CLOSURE- FVR	Yes / No / Explain		

45. Plastics and Polymers (6552-3000-UIFD-CLOSURE)**Item specifications for Plastics and Polymers**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CLOSURE UIFD	DRG. NO. 6552- 3000-UIFD CLOSURE	Yes / No / Explain		

46. Plastics and Polymers (6552-3000-UIEC-CLOSURE)**Item specifications for Plastics and Polymers**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CLOSURE UIEC	DRG. NO. 6552- 3000-UIEC CLOSURE	Yes / No / Explain		

47. Plastics and Polymers (6552-3000-UIOS/UIOD-CLOSURE)**Item specifications for Plastics and Polymers**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CLOSURE UIOS, UIOD	DRG. NO. 6552- 3000-UIOS, UIOD CLOSURE	Yes / No / Explain		

48. Plastics and Polymers (6220-GP2-CLOSURE-OVR)**Item specifications for Plastics and Polymers**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CLOSURE OVR	DRG. NO. 6220-GP2 CLOSURE-OVR	Yes / No / Explain		

49. Plastics and Polymers (12CUS-6220-204)**Item specifications for Plastics and Polymers**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	SEALING RING-FFD	DRG.NO.12CUS- 6220-204	Yes / No / Explain		

50. Plastics and Polymers (12CUS-6220-807A-SI. No. 12)**Item specifications for Plastics and Polymers**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	SEALING RING	DRG. NO. 12CUS- 6220-807A, PART NO 12	Yes / No / Explain		

51. Plastics and Polymers (12CUS-6220-807A-SI. No. 13)**Item specifications for Plastics and Polymers**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	SEALING RING	DRG. NO. 12CUS- 6220-807A, PART NO 13	Yes / No / Explain		

52. Plastics and Polymers (12CUS-6220-807A-SI. No. 14)**Item specifications for Plastics and Polymers**

SI No	Specification	Value	Compliance	Offered Specification	Remark
-------	---------------	-------	------------	-----------------------	--------

1	SEALING RING	DRG. NO. 12CUS - 6220-807A, PART NO 14	Yes / No / Explain		
---	--------------	--	--------------------	--	--

53. Plastics and Polymers (12CUS-6220-821)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	SEALING RING	DRG. NO. 12CUS-6220-821	Yes / No / Explain		

54. Plastics and Polymers (6445-7100-02-PCL)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	AUON CLOSURE	DRG. NO. 6445-7100-02-PCL	Yes / No / Explain		

55. Plastics and Polymers (6445-7100-03-PCL)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	FEPS CLOSURE	DRG. NO. 6445-7100-03-PCL	Yes / No / Explain		

56. Plastics and Polymers (12CUS-6220-120-PCL)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	FCHO CLOSURE	DRG.NO. 12CUS-6220-120-PCL	Yes / No / Explain		

57. Plastics and Polymers (6220-FS-CL)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	FS CLOSURE AUHD/AUHV	DRG. NO. 6220FS-CL	Yes / No / Explain		

58. Plastics and Polymers (6220-FS-CL-FPFD)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	FS CLOSURE FPFD	DRG.NO. 6220-FS-CL-FPFD	Yes / No / Explain		

59. Plastics and Polymers (6220-FS-CL-FGP)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	FS CLOSURE FGP	DRG. NO. 6220-FS-CL-FGP	Yes / No / Explain		

60. Plastics and Polymers (6220-FS-CL-FVR)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	FS CLOSURE FVR	DRG.NO. 6220-FS-CL-FVR	Yes / No / Explain		

61. Plastics and Polymers (6220-FS-CL-OTC/OFD)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	FS CLOSURE - OTC/OFD	DRG.NO. 6220-FS-CL-OTC/OFD	Yes / No / Explain		

62. Plastics and Polymers (6220-FS-CL-FFD/OVR)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	FS CLOSURE - FFD/OVR	DRG.NO. 6220-FS-CL-FFD/OVR	Yes / No / Explain		

63. Plastics and Polymers (6220-FS-CL-PURGE)**Item specifications for Plastics and Polymers**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	FS CLOSURE - PURGE	DRG.NO. 6220-FS-CL-PURGE	Yes / No / Explain		

64. Plastics and Polymers (6220-FS-CL-UHRV)**Item specifications for Plastics and Polymers**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	FS CLOSURE - UHRV	DRG.NO.6220-FS-CL-UHRV	Yes / No / Explain		

65. Plastics and Polymers (6552-2000-14-FS-CL)**Item specifications for Plastics and Polymers**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	FS CLOSURE-UOTC, UOFD, UOVR	DRG. NO. 6552-2000-14-FS-CL	Yes / No / Explain		

66. Plastics and Polymers (6445-8100-201-CP)**Item specifications for Plastics and Polymers**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CLOSURE AUU GP1	DRG. NO. 6445-8100-201-CP	Yes / No / Explain		

67. Plastics and Polymers (6120-812-CP)**Item specifications for Plastics and Polymers**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CLOSURE LOX GP1	DRG. NO. 6120-812-CP	Yes / No / Explain		

68. Plastics and Polymers (6220-LH2-CP)**Item specifications for Plastics and Polymers**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CLOSURE LH2 GP1	DRG. NO. 6220-LH2-CP	Yes / No / Explain		

69. Plastics and Polymers (6220-11-CP)**Item specifications for Plastics and Polymers**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CLOSURE LH2 FS	DRG.NO. 6220-11-CP	Yes / No / Explain		

70. Plastics and Polymers (6120-18-CP)**Item specifications for Plastics and Polymers**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CLOSURE LOX FS	DRG. NO. 6120-18-CP	Yes / No / Explain		

71. Plastics and Polymers (6552-3000-201-CL-01)**Item specifications for Plastics and Polymers**

SI No	Specification	Value	Compliance	Offered Specification	Remark

1	SIU GROUND PLATE CLOSURE	DRG.NO. 6552- 3000-201-CL-01	Yes / No / Explain		
---	-----------------------------	---------------------------------	--------------------	--	--

72. Plastics and Polymers ((6552-3000-101-CL-01)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	SOU GROUND PLATE CLOSURE	DRG.NO. 6552- 3000-101-CL-01	Yes / No / Explain		

73. Plastics and Polymers (6445-8600-01-CP)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CLOSURE AUULOX FS	DRG.NO.6445-8600- 01-CP	Yes / No / Explain		

74. Plastics and Polymers (6445-8100-01-CP)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	CLOSURE AUU LH2 FS	DRG.NO. 6445- 8100-01-CP	Yes / No / Explain		

75. Plastics and Polymers (6552-3000-11-CL-01)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	FLIGHT PLATE CLOSURE	DRG.NO.6552-3000- 11CL-01	Yes / No / Explain		

76. Plastics and Polymers (6552-2000-11-CL-01)

Item specifications for Plastics and Polymers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	FLIGHT PLATE CLOSURE	DRG.NO. 6552-2000-11CL-01	Yes / No / Explain		

Common Specifications (Applicable for all items)

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Poly carbonate rods: Specific gravity at 23 degree celsius (ASTM D792)	1.19-1.21	Yes / No / Explain		
2	Poly carbonate rods: Ultimate compressive strength at 23 degree celsius (ASTM D695)	77 MPa (Min)	Yes / No / Explain		
3	Poly carbonate rods: Tensile yielded strength at 23 degree celsius (ASTM D638)	5 MPa (Min)	Yes / No / Explain		
4	Poly carbonate rods: Hardness in HR-R scale (at 23 degree celsius) (ASTM D 2240)	124-128	Yes / No / Explain		
5	Poly carbonate rods: % elongation at rupture (ASTM D638)	60 (Min)	Yes / No / Explain		
6	Poly carbonate rods: Impact strength, notched at 23 degree celsius (ASTM D256)	640 J/m (Min)	Yes / No / Explain		
7	Poly carbonate rods: Water absorption, 24 hours immersion at 23(+/-1) degree celsius (ASTM D570)	0.35 % (Max)	Yes / No / Explain		

8	Poly carbonate rods: Coefficient of linear thermal expansion	0.00005 / deg. celsius	Yes / No / Explain		
9	Poly carbonate rods: Working medium	LOX, LH2, LN2, GHe, GN2	Yes / No / Explain		
10	Aerospace quality PTFE Rods: ASTM D1710	Type I, Grade I & Class D	Yes / No / Explain		
11	PTFE Rods:Tensile Strength (D638)	20 MPa (min)	Yes / No / Explain		
12	PTFE Rods: Compressive strength at 23 degree celsius at 1% strain (D695)	4 MPa (Min)	Yes / No / Explain		
13	PTFE Rods: Compressive strength at 23 degree celsius at 1% offset (D695)	7 MPa (Min)	Yes / No / Explain		
14	PTFE Rods: % Elongation at 23 degree celsius (D638)	200-400	Yes / No / Explain		
15	PTFE Rods: Hardness for TEFLON-PTFE (D2240)	54-65 shore D scale	Yes / No / Explain		
16	PTFE Rods: Specific Gravity (D792)	2.13 – 2.18	Yes / No / Explain		
17	PTFE Rods: Water absorption (D570)	<0.01 %	Yes / No / Explain		
18	PTFE Rods: Coefficient of Linear Thermal expansion per deg. Celsius (23 - 60 deg. celsius) (D696)	<0.0001	Yes / No / Explain		
19	PTFE Rods: Crystalline content	55% Min	Yes / No / Explain		

20	PTFE Rods: Micro porosity	Negligible (No visible voids at 100x Magnification)	Yes / No / Explain		
21	Nylon: Tensile strength (ASTM D638)	66.5-84 MPa (Min)	Yes / No / Explain		
22	Nylon: Compressive strength at 23 degree celsius at 1% offset (D695)	84-98 MPa (min)	Yes / No / Explain		
23	Nylon: % Elongation at 23 degree celsius (D638)	45-55	Yes / No / Explain		
24	Nylon: Hardness (D2240)	79-83 shore D scale	Yes / No / Explain		
25	Nylon: Specific gravity (D792)	1.14-1.15	Yes / No / Explain		
26	Nylon: Coefficient of Linear Thermal expansion per deg. Celsius (D696)	0.000063	Yes / No / Explain		
27	Nylon: Micro porosity	Negligible (No visible voids at 100x Magnification)	Yes / No / Explain		

Supporting Documents required from Vendor

1. Conformance certificates for Nylon as in Annexure VII & dimensional inspection reports
2. Conformance to compliance matrix as per Annexure VIII
3. Test certificates for PTFE rods as in Annexure V & dimensional inspection reports
4. Test Certificates for Poly carbonate as in Annexure III & dimensional inspection reports

5 additional documents can be uploaded by the vendor

C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	•For Nylon elements (Sl. No. 66 to 76), conformance certificate for mechanical properties and dimensional inspection reports shall be supplied.	Yes / No / Explain	
2	•For PTFE elements (Sl. No. 20 to 65), test certificates for mechanical & physical properties shall be supplied along with dimensional inspection report.	Yes / No / Explain	
3	•For Polycarbonate elements (Sl. No. 1 to 19), test certificates for mechanical & physical properties shall be supplied along with dimensional inspection report.	Yes / No / Explain	
4	•Complete dimensional inspection shall be carried out for each type.	Yes / No / Explain	
5	•Party shall obtain clearance from LPSC for raw material before fabrication.	Yes / No / Explain	
6	•The party shall procure raw material (Polycarbonate, PTFE & Nylon) as specified in Annexure III, V and VII respectively.	Yes / No / Explain	
7	•The scope of the purchase order involves procurement of raw material, fabrication, inspection and delivery of elements as mentioned in Annexure II.	Yes / No / Explain	
8	ISRO is eligible for Customs Duty Concessionvide Notification No.NO. 050/2017 539 A-CUSTOMS DTD. 30.06.2017 [We will provide Customs Duty Concession Certificate for bought out items being imported for manufacturing the ordered items (List of items to be imported with quantities to be enclosed along with offer) OR for Orders placed on Foreign Vendors OR for High Sea Sale orders.	Yes / No / Explain	
9	Installation Charges, if any shall be mentioned (If mentioned as EXTRA OR INCLUDED in your quote, please mention the percentage in Vendor Terms Column).	Yes / No / Explain	

10	Payment Term: 100% payment shall be made through RTGS within 30 days of receipt and acceptance of the item at our site.	Yes / No / Explain	
11	P & F charges, if any, shall be mentioned (If mentioned as EXTRA OR INCLUDED in your quote, please mention the percentage in Vendor Terms Column).	Yes / No / Explain	
12	Delivery Term: FOR: LPSC, VALIAMALA	Yes / No / Explain	
13	Freight charges, if any, shall be mentioned (If mentioned as EXTRA OR INCLUDED in your quote, please mention the percentage in Vendor Terms Column).	Yes / No / Explain	
14	Whether applicable GST percentage mentioned in offer (If mentioned as EXTRA OR INCLUDED in your quote, please mention the percentage in Vendor Terms Column).	Yes / No / Explain	
15	Delivery Period (If any specific delivery period is mentioned in the tender, please comply the same. If not agreed, please mention your delivery period in Vendor Terms column OR if already mentioned in your quote please mention as already furnished in the quote)	Yes / No / Explain	
16	Liquidated Damages (LD) If the ordered items are not supplied within the delivery schedule, LD shall be levied from your bill @ 0.5% per week for the undelivered items subject to a maximum of 10% of the order value for the delayed period.	Yes / No / Explain	
17	Warranty: Warranty for the offered item shall be from the date of installation/acceptance of the item at our site for a minimum period of one year or as specified in the tender document.	Yes / No / Explain	

18	Security Deposit (SD) (only for order value above Rs.5 Lakh): You have to furnish a Bank Guarantee from a Nationalised / Scheduled Bank in 200 Rs. Stamp Paper for 3% of the order value within 10 days of receipt of Order towards the faithful execution of the order valid till the completion of the scope of work as per order plus sixty days. (This will be returned to you immediately on execution of the order satisfactorily as per order terms. In case of non-performance / poor performance, the amount will be forfeited).	Yes / No / Explain	
19	Performance Bank Guarantee (PBG) : You have to submit a PBG from a Nationalised / Scheduled Bank in 200 Rs. Stamp Paper for 3% of the order value towards the performance of the system at the time of supply valid till the completion of warranty period plus 60 days as per the format provided by the Department. OR 3% OF THE ORDER VALUE SHALL BE WITH HELD TILL THE COMPLETION OF WARRANTY PERIOD PLUS 60 DAYS.	Yes / No / Explain	
20	In case, if parties are unable to provide two separate BGs, i.e., one for SD and one for PBG, they can submit a combined BG for SD & PBG within 10 days of receipt of order for 3% of order value valid till the completion of total contractual obligation (i.e., supply period plus warranty period plus 60 days) as per the format provided by the Department.	Yes / No / Explain	

C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Other Costs, if any	Remark
1	Plastics and Polymers (6445-8230-19)	50.00 Nos.		-			
2	Plastics and Polymers (12CUS-6120-206A SI No. 1)	600.00 Nos.		-			

3	Plastics and Polymers (12CUS-6120-213)	40.00 Nos.	-				
4	Plastics and Polymers (12CUS-6120-207A)	15.00 Nos.	-				
5	Plastics and Polymers 5 (12CUS-6120-208A-Sl. No. 1)	80.00 Nos.	-				
6	Plastics and Polymers (12CUS-6120-208A-Sl. No. 2)	40.00 Nos.	-				
7	Plastics and Polymers (12CUS-6220-211A)	30.00 Nos.	-				
8	Plastics and Polymers (12CUS-6220-212A-Sl. No. 89)	750.00 Nos.	-				
9	Plastics and Polymers (12CUS-6220-212A-Sl. No. 90)	75.00 Nos.	-				
10	Plastics and Polymers (12CUS-6220-212A-Sl. No. 91)	600.00 Nos.	-				
11	Plastics and Polymers (12CUS-6220-213A)	40.00 Nos.	-				
12	Plastics and Polymers (12CUS-6220-56-01)	50.00 Nos.	-				

13	Plastics and Polymers (12CUS-6220-56A)	50.00 Nos.	-				
14	Plastics and Polymers (12CUS-6220-18A, No. 20)	80.00 Nos.	-				
15	Plastics and Polymers (12CUS-6220-18A, No. 21)	80.00 Nos.	-				
16	Plastics and Polymers (12CUS-6220-18A, No. 22)	80.00 Nos.	-				
17	Plastics and Polymers (6445-8600-302)	25.00 Nos.	-				
18	Plastics and Polymers (6445-8100-312)	25.00 Nos.	-				
19	Plastics and Polymers (6445-8100-313)	80.00 Nos.	-				
20	Plastics and Polymers (6445-7100-02-CL)	30.00 Nos.	-				
21	Plastics and Polymers (6445-7100-03-CL)	15.00 Nos.	-				
22	Plastics and Polymers (12CUS-6220-120-CL)	40.00 Nos.	-				

23	Plastics and Polymers (12CUS-6120-120-CL)	40.00 Nos.		-			
24	Plastics and Polymers (6220-30-CL)	80.00 Nos.		-			
25	Plastics and Polymers (6445-30-CL)	50.00 Nos.		-			
26	Plastics and Polymers (6445-8100-02-CL)	100.00 Nos.		-			
27	Plastics and Polymers (12CUS-6220-16-CL)	80.00 Nos.		-			
28	Plastics and Polymers (12CUS-6220-14-CL)	15.00 Nos.		-			
29	Plastics and Polymers (12CUS-6220-19-CL1)	30.00 Nos.		-			
30	Plastics and Polymers (12CUS-6220-15-CL)	30.00 Nos.		-			
31	Plastics and Polymers (12CUS-6220-16A-CL)	80.00 Nos.		-			
32	Plastics and Polymers (12CUS-6220-19-CL2)	110.00 Nos.		-			

33	Plastics and Polymers (12CUS-6220-19-CL3)	15.00 Nos.		-			
34	Plastics and Polymers (6220-GP2-CLOSURE-AUON)	30.00 Nos.		-			
35	Plastics and Polymers (6220-GP2-CLOSURE-FCHO)	40.00 Nos.		-			
36	Plastics and Polymers (6220-GP2-CLOSURE)	40.00 Nos.		-			
37	Plastics and Polymers (6220-GP2-CLOSURE-FEPS)	15.00 Nos.		-			
38	Plastics and Polymers (6220-GP2-CLOSURE-FGP)	50.00 Nos.		-			
39	Plastics and Polymers (6552-2000-118-CL-01)	50.00 Nos.		-			
40	Plastics and Polymers (6220-GP2-CLOSURE-OTC/OFD)	80.00 Nos.		-			
41	Plastics and Polymers (6220-GP2-CLOSURE-AUHD)	30.00 Nos.		-			
42	Plastics and Polymers (6220-GP2-CLOSURE-AUOV)	80.00 Nos.		-			

43	Plastics and Polymers (6220-GP2-CLOSURE-FFD)	40.00 Nos.		-			
44	Plastics and Polymers (6220-GP2-CLOSURE-FVR)	40.00 Nos.		-			
45	Plastics and Polymers (6552-3000-UIFD-CLOSURE)	10.00 Nos.		-			
46	Plastics and Polymers (6552-3000-UIEC-CLOSURE)	10.00 Nos.		-			
47	Plastics and Polymers (6552-3000-UIOS/UIOD - CLOSURE)	10.00 Nos.		-			
48	Plastics and Polymers (6220-GP2-CLOSURE-OVR)	40.00 Nos.		-			
49	Plastics and Polymers (12CUS-6220-204)	40.00 Nos.		-			
50	Plastics and Polymers (12CUS-6220-807A-SI. No. 12)	550.00 Nos.		-			
51	Plastics and Polymers (12CUS-6220-807A-SI. No. 13)	330.00 Nos.		-			

52	Plastics and Polymers (12CUS-6220-807A-SI. No. 14)	100.00 Nos.		-			
53	Plastics and Polymers (12CUS-6220-821)	60.00 Nos.		-			
54	Plastics and Polymers (6445-7100-02-PCL)	30.00 Nos.		-			
55	Plastics and Polymers (6445-7100-03-PCL)	30.00 Nos.		-			
56	Plastics and Polymers (12CUS-6220-120-PCL)	30.00 Nos.		-			
57	Plastics and Polymers (6220-FS-CL)	30.00 Nos.		-			
58	Plastics and Polymers (6220-FS-CL-FPFD)	30.00 Nos.		-			
59	Plastics and Polymers (6220-FS-CL-FGP)	30.00 Nos.		-			
60	Plastics and Polymers (6220-FS-CL-FVR)	30.00 Nos.		-			
61	Plastics and Polymers (6220-FS-CL-OTC/OFD)	30.00 Nos.		-			

62	Plastics and Polymers (6220-FS-CL-FFD/OVR)	30.00 Nos.	-				
63	Plastics and Polymers (6220-FS-CL-PURGE)	30.00 Nos.	-				
64	Plastics and Polymers (6220-FS-CL-UHRV)	30.00 Nos.	-				
65	Plastics and Polymers (6552-2000-14-FS-CL)	30.00 Nos.	-				
66	Plastics and Polymers (6445-8100-201-CP)	20.00 Nos.	-				
67	Plastics and Polymers (6120-812-CP)	20.00 Nos.	-				
68	Plastics and Polymers (6220-LH2-CP)	20.00 Nos.	-				
69	Plastics and Polymers (6220-11-CP)	20.00 Nos.	-				
70	Plastics and Polymers (6120-18-CP)	20.00 Nos.	-				
71	Plastics and Polymers (6552-3000-201-CL-01)	20.00 Nos.	-				

72	Plastics and Polymers ((6552-3000-101-CL-01)	20.00 Nos.		-			
73	Plastics and Polymers (6445-8600-01-CP)	20.00 Nos.		-			
74	Plastics and Polymers (6445-8100-01-CP)	20.00 Nos.		-			
75	Plastics and Polymers (6552-3000-11-CL-01)	20.00 Nos.		-			
76	Plastics and Polymers (6552-2000-11-CL-01)	20.00 Nos.		-			

Common charges (Applicable for all items)

Additional Costs, if any	
Additional Costs, if any (Value)	