

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

Tender for Furniture for Computer Centre

Bids to be submitted online

Tender No.: LPSC/LVF/LP202300070301 dated 15-09-2023

A. Tender Details

Tender No :	LPSC/LVF/LP202300070301
Tender Date :	15-09-2023
Tender Classification:	GOODS
Purchase Entity :	LVF
Centre :	LIQUID PROPULSION SYSTEMS CENTRE, VALIAMALA (LPSC)

Furniture for Computer Centre

For and on behalf of the President of India, the Head, Purchase & Stores, Liquid Propulsion Systems Centre (LPSC), Valiamala, Thiruvananthapuram invites tenders for Supply and Installation of Furniture for computer centre at LPSC-V through e-procurement mode;

Prospective vendors interested in participating in the tendering process need to get registered in the portal. 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 enrollment, preparation etc are available in the portal. 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 :	15-09-2023 16:30
Bid Clarification Due Date :	22-09-2023 14:30
Bid Submission Due Date :	05-10-2023 14:30
Bid Opening Date :	05-10-2023 14:30
Price Bid Opening Date :	31-10-2023 14:30

B. Tender Attachments

Technical Write-up/Drawings

Document : [Annexure III - Compliance matrix](#)

Document : [Annexure IV - Layout diagram](#)

Document : [Annexure I - Detailed specification and Terms & Conditions](#)

Instructions To Vendors

4. INSTRUCTIONS TO INDIGENOUS TENDERERS

1. 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. 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.

2. Applicable Law: - The Contractor shall be interpreted, construed and governed by the Law of India.

3. Bank Details :- The offer should contain Bank details viz., Bankers Name, Address, Phone No. & Mail id, Bank Account No., IFSC code, PAN No., GST No., etc.

4. 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.

5. 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.

6. 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.

7. 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.

8. Delivery Term :- Ex-Works / FOR LPSC

9. 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, and 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.

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. 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.

12. 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.

13. Mode of Despatch :- 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.

14. 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

15. Packing Forwarding & Insurance:- 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) 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.

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

17. Performance Bank Guarantee (PBG) :- To fulfil guarantee conditions outlined in clause 2(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.

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.

19. 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.

20. 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.

21. Security Deposit (SD) :- Applicable for order value above INR 5 L (Including taxes and other charges). 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.

22. 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.

23. Taxes :- The applicable GST / IGST shall be clearly mentioned in your offer along with HSN code of the offered items. We are eligible for IGST @ 5% as per the Department of Revenue Notification No. 25/2018 Integrated Tax (Rate) Schedule-I; Sl.No.243B dated 31.12.2018 (Amendment to Notification No. 7/2018 - Integrated Tax (Rate) dated 25.01.2018 and Notification No. 1/2017 - Integrated Tax (Rate) dated 28.06.2017

24. 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.

25. LPSC shall have the right to place part order among the parties for the items for which they are the lowest.

26. Option Clause : The Purchase reserves the right to increase/decrease the Ordered Quantity by up to 25% at any time, till final delivery date (or the extended delivery date of the Contract), by giving reasonable notice even though the quantity ordered initially has been supplied in full before the last date of delivery period (or the extended delivery period). It may please be noted that, this clause is not applicable for Development Orders.

5. A minimum of 50% Make in India content is required for the total items quoted

C. Bid Templates

C.1 Technical Bid - Furniture for Computer Centre

1. Computer Table (Type J) - In Employees sitting space near room for Sci./Engr-SF

Item specifications for Computer Table

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Supply & Installation of single seater L shaped workstation	Yes	Yes / No / Explain		
2	Size should be 1500W1 x 1500W2 x 600D x 1200Ht mm	Yes	Yes / No / Explain		
3	Panel-based systems should be provided with a thickness below 52 mm (+/- 1 mm)	Yes	Yes / No / Explain		
4	Panel should provide provisions for cable management	Yes	Yes / No / Explain		
5	Panel top tile should have one white board and a laminate board	Yes	Yes / No / Explain		
6	A block for 52 mm (+/- 1 mm) panel's thickness should comprise of 38 mm thick paper honeycomb with 3 mm Medium Density Fibreboard (MDF) on each side and 0.6 mm decorative laminate	Yes	Yes / No / Explain		

7	Fabricated bottom frame for 52 mm (+/- 1 mm) should comprise of L-Channels made of 2 mm thick CRCA steel (IS:513), formed plates of 3 mm thick HR steel (IS:2062) & ERW steel tube of size 35 x 15 x 1.6 mm in oval cross section (IS:7138) welded together	Yes	Yes / No / Explain		
8	This should be coated with average 50-to-60-micron thickness of epoxy powder coating	Yes	Yes / No / Explain		
9	This should be bolted to the uprights with M6 screws	Yes	Yes / No / Explain		
10	Panels should be supported on legs with a minimum of 120 mm of open space and should be made between the bottom tile and floor for easy cleaning and to avoid dust accumulation	Yes	Yes / No / Explain		
11	Wire management switches should be mounted on intermediate tiles/bottom metal tiles and accessed through grommet cut-out. Provisions for routing power and network wires separately should be provided	Yes	Yes / No / Explain		
12	Accessories- Mobile metal pedestal with 3 draws (2 Box + 1 File) (Dimensions: 390W x 435D x 646Ht mm) and Metal CPU Trolley	Yes	Yes / No / Explain		

2. Chair (Type A) - For contract workers, apprentice trainees etc

Item specifications for Chair

Sl No	Specification	Value	Compliance	Offered Specification	Remark
1	Supply & Installation of mid back chair	Yes	Yes / No / Explain		
2	Chair seat & back should be made up of 1.2 +/- 0.1 cm thickness hot pressed plywood	Yes	Yes / No / Explain		
3	The back should be made up of injection moulded glass filled nylon & upholstered using mesh fabric with high tenacity yarn	Yes	Yes / No / Explain		
4	Seat Size: 47.0 cm. (W) x 49.5 cm. (D)	Yes	Yes / No / Explain		
5	Back Size: 45.0 cm. (W) x 65.3 cm. (H)	Yes	Yes / No / Explain		
6	High-resilience polyurethane (PU) should be provided in seat foam that should be moulded with density 45 +/-2 kg/cubic mtr and hardness 16 +/-2 kgf as per IS:7888 for 25% compression	Yes	Yes / No / Explain		
7	Armrest should be adjustable and should be providing the following features - Up-Down adjustment: 8 steps - Height adjustable armrest structure should be powder coated & fitted with an armrest top. - Fixed armrest top should be PU moulded over metal insert	Yes	Yes / No / Explain		

8	The Lumbar support should be consisting of polypropylene (PP) pad with moulded polyurethane foam & covered with polyester fabric. The height of lumbar pad should be adjusted through two projecting knobs provided on the rear side of the pad. Lumbar pad should be adjustable for 8.0 +/-0.5 cm in height	Yes	Yes / No / Explain		
9	The adjustable tilting front pivot synchro mechanism should be provided with the following features - 360 degree revolving type, Single point control. - Front-pivot for tilt with feet resting on ground, ensuring more comfort. - Tilt tension adjustment. - 4-position locking with anti-shock feature. - Seat/back tilting ratio of 1:2	Yes	Yes / No / Explain		
10	The pneumatic height adjustment should have an adjustment stroke of 10.0 +/-0.3 cm	Yes	Yes / No / Explain		
11	The pedestal should be injection moulded in black 30% glass filled nylon and fitted with 5 nos of twin wheel castors. The pedestal pitch center dia should be 66.1 +/-0.5 cm	Yes	Yes / No / Explain		

3. INSTALLATION

3.1 INSTALLATION - Installation & Commissioning

Item specifications for INSTALLATION

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Installation as per layout diagram given in Annexure IV	Required	Yes / No / Explain		

4. Computer Table (Type H) - In Employees sitting space (Main)

Item specifications for Computer Table

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Supply & Installation of single seater L shaped workstation	Yes	Yes / No / Explain		
2	Size should be 1800W1 x 1800W2 x 600D x 1200Ht mm	Yes	Yes / No / Explain		
3	Panel-based systems should be provided with a thickness below 52 mm (+/- 1 mm)	Yes	Yes / No / Explain		
4	Panel should provide provisions for cable management	Yes	Yes / No / Explain		
5	Panel top tile should have one white board and a laminate board	Yes	Yes / No / Explain		
6	A block for 52 mm (+/- 1 mm) panel's thickness should comprise of 38 mm thick paper honeycomb with 3 mm Medium Density Fibreboard (MDF) on each side and 0.6 mm decorative laminate	Yes	Yes / No / Explain		
7	Fabricated bottom frame for 52 mm (+/- 1 mm) should comprise of L-Channels made of 2 mm thick CRCA steel (IS:513), formed plates of 3mm thick HR steel (IS:2062) & ERW steel tube of size 35 x 15 x 1.6 mm in oval cross section (IS:7138) welded together	Yes	Yes / No / Explain		

8	This should be coated with average 50-to-60-micron thickness of epoxy powder coating	Yes	Yes / No / Explain		
9	This should be bolted to the uprights with M6 screws	Yes	Yes / No / Explain		
10	Panels should be supported on legs with a minimum of 120 mm of open space and should be made between the bottom tile and floor for easy cleaning and to avoid dust accumulation	Yes	Yes / No / Explain		
11	Wire management switches should be mounted on intermediate tiles / bottom metal tiles and accessed through grommet cut-out. Provisions for routing power and network wires separately should be provided	Yes	Yes / No / Explain		
12	Accessories- Mobile metal pedestal with 3 draws (2 Box + 1 File) (Dimensions: 390W x 435D x 646Ht mm) and Metal CPU Trolley	Yes	Yes / No / Explain		

5. Storage cabinet (Type A) - In Hardware maintenance lab

Item specifications for Storage cabinet

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Supply & installation of storage cabinet with Hinge Door Unit (HDU)	Yes	Yes / No / Explain		
2	Size should be 900W x 450D x 1219Ht mm	Yes	Yes / No / Explain		

3	Storage body should be made of 18 mm Pre Laminated Board (PLB) with all the edges sealed with 0.8 mm thick PVC edge band	Yes	Yes / No / Explain		
4	The back panel should be 9 mm thick pre laminated	Yes	Yes / No / Explain		
5	The entire construction should be a ready to assemble unit and should be assembled with suitable Knock Down (KD) fittings	Yes	Yes / No / Explain		
6	The shelves and separator panels should be made from 18 mm white PLB and the edges should be sealed with 0.8 mm edge band	Yes	Yes / No / Explain		
7	The bottom shelf should be fixed and the other shelves should have one step adjustment, for optimizing the space	Yes	Yes / No / Explain		
8	Door Panels should be made from 18 mm PLB with 2 mm edge band on all edges and a flush plastic handle should be fitted vertically at the center of the door	Yes	Yes / No / Explain		
9	The hinge door should have suitable hinges and should be fitted with an adjustable fitting for height adjustment	Yes	Yes / No / Explain		
10	HDU should have a three-point lock	Yes	Yes / No / Explain		

6. Storage cabinet (Type B) - In AI, IOT, AR/VR & Software development lab & Centralized Store/Inventory

Item specifications for Storage cabinet

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Supply & Installation of tall storage cabinet	Yes	Yes / No / Explain		
2	Size should be 2100W x 450D (Usable) x 1950H mm	Yes	Yes / No / Explain		
3	The construction should be completely knock down units	Yes	Yes / No / Explain		
4	Legs should be fitted with screw type leveler and the material should be from a combination of CRCA 0.5 mm & 0.8 mm	Yes	Yes / No / Explain		
5	The shelving should be fixed and each full shelf should have a load capacity of 30 to 40 kg Uniform Distributed Load (UDL) max. 4 nos of shelves should be provided	Yes	Yes / No / Explain		
6	Finish should be epoxy powder coated to the thickness of 50 microns	Yes	Yes / No / Explain		
7	Metal Door should be made from a combination of CRCA 0.5 mm & 0.8 mm thickness	Yes	Yes / No / Explain		
8	Steel Hinged Door with self closing hinges	Yes	Yes / No / Explain		
9	Door handle should be made of Aluminium	Yes	Yes / No / Explain		
10	The locking should be cam lock 3 Way locking provision with click action mechanism. Key should be removable in locked and unlocked position. Zinc alloy die cast housing should be provided	Yes	Yes / No / Explain		

7. Computer Table (Type A) - For AI, IOT, AR/VR & Software development lab

Item specifications for Computer Table

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Supply & Installation of rectangular table. Size should be 1050W x 600D x 750Ht mm with 25 mm thick Pre-Laminated Board, conforming to IS: 12823	Yes	Yes / No / Explain		
2	All edges of work surface should be provided with machine pressed 2 mm thick PVC lipping, glued with hot melt EVA glue with grain direction along the width of worktop	Yes	Yes / No / Explain		
3	Worktops should be either with Grommet or Access flap cut outs. Access flap cut outs should be along main width. Table platform design: The worktop should rest on legs which should be placed at 40 mm from edge of worktop	Yes	Yes / No / Explain		
4	Partial screens should be provided on the front side with an 8-mm-thick laminated glass marker screen with a height of 450 mm and mounted on studs	Yes	Yes / No / Explain		
5	Legs should be fabricated from a combination of 1.2 mm, 2 mm thick CRCA (as per IS:513), 3 mm and 5 mm thick Hot Rolled (as per IS: 2062)	Yes	Yes / No / Explain		
6	Argo Shield welding should be used for fabrication	Yes	Yes / No / Explain		

7	The leg should be inclination in one plane. It should be a ball socket M8 leveler with bottom translucent cap that allows adjustment up to 50 mm height with an extrusion cover made of aluminium alloy	Yes	Yes / No / Explain		
8	Metal modesty should be made from 0.8 mm thick cold rolled close annealed steel (IS:513). Internal tapped stud should be welded to the modesty for mounting. Metal modesty should be mounted on the worktop with the help of the modesty mounting brackets made of 3 mm thick Hot Rolled (IS:2062). Modesty panel should be terminating at 400 mm from ground.	Yes	Yes / No / Explain		
9	Cross members in the desk-based system should be made of 50 mm x 25 mm x 1.2 mm thick (as per IS: 7138 Electric Resistance Welded).	Yes	Yes / No / Explain		
10	Cross members should be assembled by friction fit PDC joinery and Grub screws	Yes	Yes / No / Explain		
11	All cross members should be mounted at a distance of 165 mm from work top sides. Cross connectors should be fabricated by welding (Argo shield) 3 mm thick Hot Rolled (as per IS: 2062) plate at end / ends. Minimum two cross members should be provided in the understructure.	Yes	Yes / No / Explain		

12	Wire management should be provided in independent power box with wire raisers. Independent Power box should be made with a 0.8 mm thick CRCA (IS:513), with switch plate of (8+3) module, cut out as standard. Provisions for routing power and network wires separately should be provided.	Yes	Yes / No / Explain		
13	Provision for wire management should be provided on the tableside.	Yes	Yes / No / Explain		
14	Accessories- Mobile metal pedestal with 3 draws (2 Box + 1 File) (Dimensions: 390W x 435D x 646Ht mm) and Metal CPU Trolley.	Yes	Yes / No / Explain		

8. Computer Table (Type I) - In Employees sitting space near room for Sci./Engr-SF

Item specifications for Computer Table

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Supply & Installation of single seater L shaped workstation	Yes	Yes / No / Explain		
2	Size should be 1350W1 x 1500W2 x 600D x 1200Ht mm	Yes	Yes / No / Explain		
3	Panel-based systems should be provided with a thickness below 52 mm (+/- 1 mm).	Yes	Yes / No / Explain		
4	Panel should provide provisions for cable management	Yes	Yes / No / Explain		
5	Panel top tile should have one white board and a laminate board	Yes	Yes / No / Explain		

6	A block for 52 mm (+/- 1 mm) panel's thickness should comprise of 38 mm thick paper honeycomb with 3 mm Medium Density Fibreboard (MDF) on each side and 0.6 mm decorative laminate	Yes	Yes / No / Explain		
7	Fabricated bottom frame for 52 mm (+/- 1 mm) should comprise of L-Channels made of 2 mm thick CRCA steel (IS:513), formed plates of 3 mm thick HR steel (IS:2062) & ERW steel tube of size 35 x 15 x 1.6 mm in oval cross section (IS:7138) welded together	Yes	Yes / No / Explain		
8	This should be coated with average 50-to-60-micron thickness of epoxy powder coating	Yes	Yes / No / Explain		
9	This should be bolted to the uprights with M6 screws	Yes	Yes / No / Explain		
10	Panels should be supported on legs with a minimum of 120 mm of open space and should be made between the bottom tile and floor for easy cleaning and to avoid dust accumulation	Yes	Yes / No / Explain		
11	Wire management switches should be mounted on intermediate tiles / bottom metal tiles and accessed through grommet cut-out. Provisions for routing power and network wires separately should be provided	Yes	Yes / No / Explain		

12	Accessories- Mobile metal pedestal with 3 draws (2 Box + 1 File) (Dimensions: 390W x 435D x 646Ht mm) and Metal CPU Trolley	Yes	Yes / No / Explain		
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9. Work Bench - In Hardware maintenance lab

Item specifications for Work Bench

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Supply & Installation of scratch resistant work bench	Yes	Yes / No / Explain		
2	Size should be 3000W x 1200D x 840Ht mm	Yes	Yes / No / Explain		
3	Table Worksurface should be out of 25 mm thick prelaminated particle board with minimum 9 mm thick scratch resistant laminate on all sides	Yes	Yes / No / Explain		
4	Load capacity of minimum 100 Kg UDL or better	Yes	Yes / No / Explain		
5	Should be made up of metal powder coated finish	Yes	Yes / No / Explain		
6	The entire assembly should be fixed to the worktop with centre cross support. Wire management should be vertical wire risers with cover and wire tray with integrated power box	Yes	Yes / No / Explain		
7	Access flap should be provided	Yes	Yes / No / Explain		
8	Switch plate of (8+3) module should be provided for power and data points. (Only for provisions). Provisions for routing power and network wires separately should be provided	Yes	Yes / No / Explain		

9	Legs should be provided metal powder coated leg	Yes	Yes / No / Explain		
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10. Computer Table (Type D) - In Employees sitting space near room for Sci./Engr-SF

Item specifications for Computer Table

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Supply & Installation of 2-seater L shaped workstation	Yes	Yes / No / Explain		
2	Size should be 2250W1 x 2400W2 x 600D x 1200Ht mm	Yes	Yes / No / Explain		
3	Panel-based systems should be provided with a thickness below 52 mm (+/- 1 mm).	Yes	Yes / No / Explain		
4	Panel should provide provisions for cable management.	Yes	Yes / No / Explain		
5	Panel top tile should have one white board and a laminate board.	Yes	Yes / No / Explain		
6	A block for 52 mm (+/- 1 mm) panel's thickness should comprise of 38 mm thick paper honeycomb with 3 mm Medium Density Fibreboard (MDF) on each side and 0.6 mm decorative laminate.	Yes	Yes / No / Explain		
7	Fabricated bottom frame for 52 mm (+/- 1 mm) should comprise of L-Channels made of 2 mm thick CRCA steel (IS:513), formed plates of 3 mm thick HR steel (IS:2062) & ERW steel tube of size 35 x 15 x 1.6 mm in oval cross section (IS:7138) welded together.	Yes	Yes / No / Explain		

8	This should be coated with average 50-to-60-micron thickness of epoxy powder coating.	Yes	Yes / No / Explain		
9	This should be bolted to the uprights with M6 screws.	Yes	Yes / No / Explain		
10	Panels should be supported on legs with a minimum of 120 mm of open space and should be made between the bottom tile and floor, for easy cleaning and to avoid dust accumulation.	Yes	Yes / No / Explain		
11	Wire management switches should be mounted on intermediate tiles / bottom metal tiles and accessed through grommet cut-out. Provisions for routing power and network wires separately should be provided.	Yes	Yes / No / Explain		
12	ACCESSORIES: 2 nos of mobile metal pedestal with 3 draws (2 Box + 1 File) (Dimensions: 390W x 435Dx 646Ht mm) and 2 nos of Metal CPU Trolley.	Yes	Yes / No / Explain		

11. Computer Table (Type C) - For AI, IOT, AR/VR & Software development lab & Hardware maintenance lab

Item specifications for Computer Table

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Supply & Installation of L shaped table. Size should be 1500W1 x 1500W2 x 600D x 750Ht mm. Worktop should be made of 25 mm thick Pre-Laminated Board conforming to IS: 12823	Yes	Yes / No / Explain		

2	All edges of work surface should be provided with machine pressed 2 mm thick PVC lipping, glued with hot melt EVA glue with grain direction along the width of worktop	Yes	Yes / No / Explain		
3	Worktops should be either with Grommet or Access flap cut outs. Access flap cut outs should be along main width. Table platform design: The worktop should rest on legs which should be placed at 40 mm from edge of worktop.	Yes	Yes / No / Explain		
4	Partial screens should be provided on front side with an 8-mm-thick laminated glass marker screen with a height of 450 mm and mounted on studs	Yes	Yes / No / Explain		
5	Legs should be fabricated from a combination of 1.2 mm, 2 mm thick CRCA (as per IS:513), 3 mm and 5 mm thick Hot Rolled (as per IS: 2062).	Yes	Yes / No / Explain		
6	Argo Shield welding should be used for fabrication	Yes	Yes / No / Explain		
7	The leg should be inclination in one plane. It should be a ball socket M8 leveler with bottom translucent cap that allows adjustment up to 50 mm height with an extrusion cover made of aluminium alloy	Yes	Yes / No / Explain		

8	<p>Metal modesty should be made from 0.8 mm thick cold rolled close annealed steel (IS:513). Internal tapped stud should be welded to the modesty for mounting. Metal modesty should be mounted on the worktop with the help of the modesty mounting brackets made of 3 mm thick Hot Rolled (IS:2062). Modesty panel should be terminating at 400 mm from ground.</p>	Yes	Yes / No / Explain		
9	<p>Cross members in the desk-based system should be made of 50 mm x 25 mm x 1.2 mm thick (as per IS: 7138 Electric Resistance Welded).</p>	Yes	Yes / No / Explain		
10	<p>Cross members should be assembled by friction fit PDC joinery and Grub screws</p>	Yes	Yes / No / Explain		
11	<p>All cross members should be mounted at a distance of 165 mm from work top sides. Cross connectors should be fabricated by welding (Argo shield) 3 mm thick Hot Rolled (as per IS: 2062) plate at end / ends. Minimum two cross members should be provided in the understructure.</p>	Yes	Yes / No / Explain		

12	Wire management should be provided in independent power box with wire raisers. Independent Power box should be made with a 0.8 mm thick CRCA (IS:513), with switch plate of (8+3) module cut out as standard. Provisions for routing power and network wires separately should be provided.	Yes	Yes / No / Explain		
13	Provision for wire management should be provided on the tableside	Yes	Yes / No / Explain		
14	Accessories- Mobile metal pedestal with 3 draws (2 Box + 1 File) (Dimensions: 390W x 435D x 646Ht mm) and Metal CPU Trolley.	Yes	Yes / No / Explain		

12. Stool - For accessing higher levels of Storage cabinets

Item specifications for Stool

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Supply of custom stool having under structure made of MS Steel	Yes	Yes / No / Explain		
2	Top wood finish with 25 mm thickness	Yes	Yes / No / Explain		
3	Load bearing capacity: 120 kg	Yes	Yes / No / Explain		
4	Height: 600 mm	Yes	Yes / No / Explain		

13. CONFERENCE TABLE (Type P) - In Discussion Room

Item specifications for CONFERENCE TABLE

SI No	Specification	Value	Compliance	Offered Specification	Remark
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1	Supply & Installation of Modular Conference table	Yes	Yes / No / Explain		
2	Size should be 4225W x 1800D x 750Ht mm	Yes	Yes / No / Explain		
3	Worktop should be made of 36 mm thick Medium Density Fibreboard (MDF) one side pre-laminate board conforming to (IS14587: 1998), with 0.4 mm Polyvinyl chloride (PVC) membrane pressed on to top and having chamfered edge	Yes	Yes / No / Explain		
4	Full length access panel should be provided with soft closing hinges in line with worktop edge	Yes	Yes / No / Explain		
5	The understructure should consist of a combination of 18 mm and 25 mm Thick Pre-laminated twin board of E1-P2 grade and conforming to IS-12823:1990, edge banded with matching 2 mm thick PVC lipping	Yes	Yes / No / Explain		
6	Aluminium alloy 63400 - WP profile should be used for connecting panels together	Yes	Yes / No / Explain		
7	Modesty panel should be made of 18 mm thick Pre-laminated twin board of E1-P2 grade, conforming to IS-12823:1990, edge banded with matching 2 mm thick PVC lipping	Yes	Yes / No / Explain		

8	Wire management: An array of panels should be made of 0.8 mm and 1.2 mm CRCA MS IS:513. Epoxy polyester powder coated (DFT (Dry Film Thickness)) 40-60 microns) should be used for flow of wires and cables. Wire carrier should be made of 0.8 mm Thick CRCA, provided below worktop, to conceal microphone wires running from table top to wire tray	Yes	Yes / No / Explain		
9	Provisions for vertical wire management should be provided	Yes	Yes / No / Explain		

14. Heavy duty shelving system - In Centralized Store / Inventory

Item specifications for Heavy duty shelving system

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Supply & installation of heavy duty shelving system with minimum 4 loading levels	Yes	Yes / No / Explain		
2	Uniform Distribution Load (UDL) per level: 300 kg	Yes	Yes / No / Explain		
3	The shelving system should have 3 units (as given in the layout diagram in Annexure IV)	Yes	Yes / No / Explain		
4	Size for each unit should be 2200 H X 3280 W X 600 D (mm)	Yes	Yes / No / Explain		

5	Load bearing members of the system should be made up of high strength Hot Rolled steel having properties equivalent to grades specified by IS 5986:2002 or IS 2062:2006	Yes	Yes / No / Explain		
6	The types of material used for load bearing members uprights and beams should be as given below - Uprights: IS:5986 - ISH430LA, Minimum guaranteed yield strength: 355 Mpa - Beams: IS: 5986 - ISH410S, Minimum guaranteed yield strength: 255 MPa	Yes	Yes / No / Explain		
7	All fasteners should be grade 8.8 (High tensile steel)	Yes	Yes / No / Explain		
8	The fasteners should have galvanized finish to suit industrial atmosphere	Yes	Yes / No / Explain		
9	The surface finish should have protection from corrosion	Yes	Yes / No / Explain		
10	All powder coated components should have anti-rust treatment	Yes	Yes / No / Explain		
11	The Dry Film Thickness (DFT) after powder coating should be 35 microns (on an average)	Yes	Yes / No / Explain		
12	All powder coated components should be subjected to a 4 step, six zone anti corrosion treatment - viz. De-greasing as per IS 6005:1970, Rinsing, Phosphating as per IS 3618:1966 and RO (Reverse Osmosis) water rinsing	Yes	Yes / No / Explain		

13	The upright should be a roll formed construction, made in single piece without welding	Yes	Yes / No / Explain		
14	The upright should have slots at a gap of 50 mm between each other. The slots should enable utilization of the rack to suit different storage item sizes	Yes	Yes / No / Explain		
15	The base plate should be of size 160W x 60D mm. It should be a welded construction bolted to upright	Yes	Yes / No / Explain		
16	The base plate should be anchored to ground using M12 screws (Torque type) of 100 mm depth and mechanical anchor bolts	Yes	Yes / No / Explain		
17	Floor level variation should be adjusted with shims	Yes	Yes / No / Explain		
18	The shelving system should have diagonal as well as horizontal bracings. Both bracings should be lipped channel sections. The bracings should be able to connect uprights to make frames. The bracing channels should be made through roll forming technology	Yes	Yes / No / Explain		
19	Profile section of bracing should have a size of 20 (L) x 25 (W) x 6 (Thickness) mm	Yes	Yes / No / Explain		
20	Panels should have a signage board mentioning the load bearing capacity & other details for the safe usage of shelving system	Yes	Yes / No / Explain		

15. Storage cabinet (Type D) - In Office area

Item specifications for Storage cabinet

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Supply & Installation of tall storage cabinet	Yes	Yes / No / Explain		
2	Size should be 2400W x 450D (Usable) x 1950H mm	Yes	Yes / No / Explain		
3	The construction should be completely knock down units	Yes	Yes / No / Explain		
4	Legs should be fitted with screw type leveller and material should be from combination of CRCA 0.5 mm & 0.8 mm	Yes	Yes / No / Explain		
5	The shelving should be fixed and each full shelf should have a load capacity of 30 to 40 kg Uniform Distributed Load (UDL) max. 4 nos of shelves should be provided	Yes	Yes / No / Explain		
6	Finish should be epoxy powder coated to the thickness of 50 microns	Yes	Yes / No / Explain		
7	Metal Door should be made from a combination of CRCA 0.5 mm & 0.8 mm thickness	Yes	Yes / No / Explain		
8	Steel Hinged Door with self closing hinges	Yes	Yes / No / Explain		
9	Door handle should be made of Aluminium	Yes	Yes / No / Explain		
10	The locking should be cam lock 3 Way locking provision with click action mechanism. Key should be removable in locked and unlocked position. Zinc alloy die cast housing should be provided	Yes	Yes / No / Explain		

16. Storage cabinet (Type E) - In Rooms for Division Head and Group Head

Item specifications for Storage cabinet

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Supply & Installation of storage unit	Yes	Yes / No / Explain		
2	Size should be 2350W x 500D x 1800 Ht mm	Yes	Yes / No / Explain		
3	The storage should be a combination of open and closable storage in top portion	Yes	Yes / No / Explain		
4	Bottom storage should be closable using sliding shutters	Yes	Yes / No / Explain		
5	Storage top panel should be made of 25 mm thick Medium Density Fibre (MDF) one side pre-laminate board, confirming to IS-14587:1998 with 0.4 mm PVC membrane pressed on to top	Yes	Yes / No / Explain		
6	Bottom doors should be sliding with 25 mm thick pre-laminated twin board of E1-P2 grade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping for body panels like sides, bottom, back and shelves	Yes	Yes / No / Explain		
7	Shutters should be provided in the left and right side. Shutters should be made of 25 mm thick Medium Density Fibre (MDF) one side pre-laminate board confirming to IS-14587:1998 with 0.4 mm PVC membrane pressed on to top. Shutters should have a soft closing & anti slam mechanism	Yes	Yes / No / Explain		

8	The body finish should be matching with Table (Type N)	Yes	Yes / No / Explain		
9	Handles should be provided for ease of opening	Yes	Yes / No / Explain		
10	Storage should be provided with lock and key for security	Yes	Yes / No / Explain		

17. Computer Table (Type E) - In Employees sitting space (Main)

Item specifications for Computer Table

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Supply & Installation of single seater rectangular shaped workstation	Yes	Yes / No / Explain		
2	Size should be 2100W x 600D x 1200Ht mm	Yes	Yes / No / Explain		
3	Panel-based systems should be provided with a thickness below 52 mm (+/- 1 mm)	Yes	Yes / No / Explain		
4	Panel should provide provisions for cable management	Yes	Yes / No / Explain		
5	Panel top tile should have one white board and a laminate board	Yes	Yes / No / Explain		
6	A block for 52 mm (+/- 1 mm) panel's thickness should comprise of 38 mm thick paper honeycomb with 3 mm Medium Density Fibreboard (MDF) on each side and 0.6 mm decorative laminate	Yes	Yes / No / Explain		

7	Fabricated bottom frame for 52 mm (+/- 1 mm) should comprise of L-Channels made of 2 mm thick CRCA steel (IS:513), formed plates of 3 mm thick HR steel (IS:2062) & ERW steel tube of size 35 x 15 x 1.6 mm in oval cross section (IS:7138) welded together	Yes	Yes / No / Explain		
8	This should be coated with average 50-to-60-micron thickness of epoxy powder coating	Yes	Yes / No / Explain		
9	This should be bolted to the uprights with M6 screws	Yes	Yes / No / Explain		
10	Panels should be supported on legs with a minimum of 120 mm of open space and should be made between the bottom tile and floor for easy cleaning and to avoid dust accumulation	Yes	Yes / No / Explain		
11	Wire management switches should be mounted on intermediate tiles/bottom metal tiles and accessed through grommet cut-out. Provisions for routing power and network wires separately should be provided	Yes	Yes / No / Explain		
12	Accessories- Mobile metal pedestal with 3 draws (2 Box + 1 File) (Dimensions: 390W x 435D x 646Ht mm) and Metal CPU Trolley	Yes	Yes / No / Explain		

18. Computer Table (Type K) - In Office area

Item specifications for Computer Table

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Supply & Installation of single seater rectangular shaped workstation	Yes	Yes / No / Explain		
2	Size should be 1500W x 600D x 1200Ht mm	Yes	Yes / No / Explain		
3	Panel-based systems should be provided with a thickness below 52 mm (+/- 1 mm)	Yes	Yes / No / Explain		
4	Panel should provide provisions for cable management	Yes	Yes / No / Explain		
5	Panel top tile should have one white board and a laminate board	Yes	Yes / No / Explain		
6	A block for 52 mm (+/- 1 mm) panel's thickness should comprise of 38 mm thick paper honeycomb with 3 mm Medium Density Fibreboard (MDF) on each side and 0.6 mm decorative laminate	Yes	Yes / No / Explain		
7	Fabricated bottom frame for 52 mm (+/- 1 mm) should comprise of L-Channels made of 2 mm thick CRCA steel (IS:513), formed plates of 3 mm thick HR steel (IS:2062) & ERW steel tube of size 35 x 15 x 1.6 mm in oval cross section (IS:7138) welded together	Yes	Yes / No / Explain		
8	This should be coated with average 50-to-60-micron thickness of epoxy powder coating	Yes	Yes / No / Explain		
9	This should be bolted to the uprights with M6 screws	Yes	Yes / No / Explain		

10	Panels should be supported on legs with a minimum of 120 mm of open space and should be made between the bottom tile and floor for easy cleaning and to avoid dust accumulation	Yes	Yes / No / Explain		
11	Wire management switches should be mounted on intermediate tiles / bottom metal tiles and accessed through grommet cut-out. Provisions for routing power and network wires separately should be provided	Yes	Yes / No / Explain		
12	Accessories- Mobile metal pedestal with 3 draws (2 Box + 1 File) (Dimensions: 390W x 435D x 646Ht mm) and Metal CPU Trolley	Yes	Yes / No / Explain		

19. Storage cabinet (Type C) - In Employees sitting space (Main)

Item specifications for Storage cabinet

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Supply & Installation of tall storage cabinet	Yes	Yes / No / Explain		
2	Size should be 1500W x 450D (Usable) x 1950H mm	Yes	Yes / No / Explain		
3	The construction should be completely knock down units	Yes	Yes / No / Explain		
4	Legs should be fitted with screw type leveler and material should be from a combination of CRCA 0.5 mm & 0.8 mm	Yes	Yes / No / Explain		

5	The shelving should be fixed and each full shelf should have a load capacity of 30 to 40 kg Uniform Distributed Load (UDL) max. 4 nos of shelves should be provided	Yes	Yes / No / Explain		
6	Finish should be epoxy powder coated to the thickness of 50 microns	Yes	Yes / No / Explain		
7	Metal Door should be made from a combination of CRCA 0.5 mm & 0.8 mm thickness	Yes	Yes / No / Explain		
8	Steel Hinged Door with self closing hinges	Yes	Yes / No / Explain		
9	Door handle should be made of Aluminium	Yes	Yes / No / Explain		
10	The locking should be cam lock 3 Way locking provision with click action mechanism. Key should be removable in locked and unlocked position. Zinc alloy die cast housing should be provided	Yes	Yes / No / Explain		

20. Chair (Type E) - For visitors and conference hall back row

Item specifications for Chair

Sl No	Specification	Value	Compliance	Offered Specification	Remark
1	Supply & Installation of non-revolving chair	Yes	Yes / No / Explain		
2	Seat should be made up of 1.2 +/- 0.1 cm thick hot pressed plywood and upholstered with synthetic leather and moulded polyurethane foam	Yes	Yes / No / Explain		

3	The back should be made up 1.2 +/-0.1 cm thick hot pressed plywood upholstered with replaceable synthetic leather upholstery covers and moulded polyurethane foam	Yes	Yes / No / Explain		
4	The moulded polyurethane foam should be of density 45 +/-2 kg/cubic mtr, and hardness load 16 +/-2 kgf as per IS:7888 for 25% compression	Yes	Yes / No / Explain		
5	The dimensions of chair should be: 60.0 (W) x 64.0 (D) x 98.2 (Ht) cm	Yes	Yes / No / Explain		
6	The armrest top should be made of moulded polyurethane and mounted on to a fixed type M.S tubular armrest support chrome plated	Yes	Yes / No / Explain		
7	The arm support should have static vertical adjustment of +/- 1.5 +/- 0.05 cm	Yes	Yes / No / Explain		
8	The backrest should consist of a fixed type mechanism i.e no back up / down adjustment	Yes	Yes / No / Explain		
9	The leg frame welded assembly should be chrome plated, made from 3.5 +/-0.03 cm x 1.5 +/-0.02 cm x 0.16 +/- 0.0128 cm thick elliptical MSERW tube and provided with a base plate for seat fixing	Yes	Yes / No / Explain		

21. Computer Table (Type M) - In rooms for Sci./Engr-SFs

Item specifications for Computer Table

Sl No	Specification	Value	Compliance	Offered Specification	Remark
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1	Supply & Installation of L shaped cubicle with visitor provision	Yes	Yes / No / Explain		
2	Size should be 1500W1 x 1650W2 x 600D x 1200Ht mm	Yes	Yes / No / Explain		
3	Panel-based systems should be provided with a thickness below 52 mm (+/- 1 mm)	Yes	Yes / No / Explain		
4	Panel should provide provisions for cable management	Yes	Yes / No / Explain		
5	Panel top tile should have one white board and a laminate board	Yes	Yes / No / Explain		
6	A block for 52 mm (+/- 1 mm) panel's thickness should comprise of 38 mm thick paper honeycomb with 3 mm Medium Density Fibreboard (MDF) on each side and 0.6 mm decorative laminate	Yes	Yes / No / Explain		
7	Fabricated bottom frame for 52 mm (+/- 1 mm) should comprise of L-Channels made of 2 mm thick CRCA steel (IS:513), formed plates of 3 mm thick HR steel (IS:2062) & ERW steel tube of size 35 x 15 x 1.6 mm in oval cross section (IS:7138) welded together	Yes	Yes / No / Explain		
8	This should be coated with average 50-to-60-micron thickness of epoxy powder coating	Yes	Yes / No / Explain		
9	This should be bolted to the uprights with M6 screws	Yes	Yes / No / Explain		

10	Panels should be supported on legs with a minimum of 120 mm of open space and should be made between the bottom tile and floor for easy cleaning and to avoid dust accumulation	Yes	Yes / No / Explain		
11	Wire management switches should be mounted on intermediate tiles/bottom metal tiles and accessed through grommet cut-out. Provisions for routing power and network wires separately should be provided	Yes	Yes / No / Explain		
12	Accessories- Mobile metal pedestal with 3 draws (2 Box + 1 File) (Dimensions: 390W x 435D x 646Ht mm) and Metal CPU Trolley	Yes	Yes / No / Explain		

22. Chair (Type B) - For employees

Item specifications for Chair

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Supply & Installation of mid back chair	Yes	Yes / No / Explain		
2	Chair seat & back should be made up of 1.2 +/-0.1 cm thick hot-pressed plywood	Yes	Yes / No / Explain		
3	The back should be made up of injection moulded glass filled nylon & upholstered using micro mesh fabric with high tenacity yarn with 25 +/-1 mm density foam sandwich in lumbar area	Yes	Yes / No / Explain		
4	Seat size: 47 0 cm. (W) x 49.5 cm. (D)	Yes	Yes / No / Explain		

5	Back size: 45.0 cm (W) x 65.3 cm. (H)	Yes	Yes / No / Explain		
6	High-resilience polyurethane (PU) should be provided in seat foam that should be moulded with density 45 +/-2 kg/cubic mtr and hardness 16 +/-2 kgf as per IS:7888 for 25% compression	Yes	Yes / No / Explain		
7	Armrest should be adjustable and should be providing the following features - Up-Down adjustment: 8 steps - Height adjustable armrest structure should be powder coated & fitted with an armrest top. - Fixed armrest top should be PU moulded over metal insert	Yes	Yes / No / Explain		
8	The Lumbar support should be consisting of polypropylene (PP) pad with moulded polyurethane foam & covered with polyester fabric. The height of lumbar pad should be adjusted through two projecting knobs provided on the rear side of the pad. Lumbar pad should be adjustable of 8.0 +/-0.5 cm in height	Yes	Yes / No / Explain		

9	The adjustable tilting front pivot synchro mechanism should be provided with the following features - 360 degree revolving type, Single point control. - Front-pivot for tilt with feet resting on ground, ensuring more comfort. - Tilt tension adjustment. - 4-position locking with anti-shock feature. - Seat/back tilting ratio of 1:2	Yes	Yes / No / Explain		
10	The pneumatic height adjustment has an adjustment stroke of 10.0 +/-0.3 cm	Yes	Yes / No / Explain		
11	The pedestal should be injection moulded in black 30% glass filled nylon and fitted with 5 nos of twin wheel castors. The pedestal pitch center dia should be 66.1 +/-0.5 cm	Yes	Yes / No / Explain		

23. Chair (Type D) - For senior employees

Item specifications for Chair

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Supply & installation of high back chair	Yes	Yes / No / Explain		

2	SEAT/BACK cushion should be made of Injection moulded plastic outer & inner. Plastic inner should be upholstered with pure leather and moulded high resilience (HR) polyurethane foam of density 45+/-2 kg/cubic mtr, and hardness load 16 +/- 2 kgf for 25% compression. The cushioned back should be made of PU Foam with insitu moulded MS E.R.W Round Tube of size 1.9 ±0.03 cm x 0.16 ±0.0128 cm. It should be upholstered with pure leather	Yes	Yes / No / Explain		
3	Seat Size should be: 47.6 cm. (W) x 49.2 cm. (D)	Yes	Yes / No / Explain		
4	Back size should be: 47.5 cm. (W) x 77 cm. (H)	Yes	Yes / No / Explain		
5	The armrest top should be moulded from polyurethane (PU), upholstered in pure leather and mounted on to a drop lift adjustable type tubular armrest support made of diameter 3.81 +/- 0.03 cm with 0.2 +/- 0.01 cm thick M.S E.R.W tube having chrome plated finish	Yes	Yes / No / Explain		
6	The armrest height adjustable up to 6.5 +/-0.5 cm in 5 steps	Yes	Yes / No / Explain		

7	<p>The adjustable tilting active bio-synchro mechanism should be designed to provide the following features</p> <ul style="list-style-type: none"> - 360 degrees revolving type - Front-pivot for tilt with feet resting on ground and continuous lumbar support ensuring more comfort - Tilt tension adjustment - 5-position tilt limiter giving option of variable tilt angle to the chair, - Seat/ back tilting ratio of 1:2 	Yes	Yes / No / Explain		
8	The mechanism housing should be made up of HPDC aluminium black powder coated	Yes	Yes / No / Explain		
9	Seat depth adjustment should be integrated in the seat through a sliding mechanism. Seat depth adjustment range should be of 6.0 +/- 0.5 cm	Yes	Yes / No / Explain		
10	Back Frame should be connected to the Up/Down mechanism housed in Plastic T spine. It should be adjusted in the range of 7.4 +/-0.5 cm for the comfortable back support to suit individual need	Yes	Yes / No / Explain		
11	The pneumatic height adjustment should be provided with stroke of 10.0 +/-0.3 cm	Yes	Yes / No / Explain		
12	The pedestal should be High Pressure Die cast polished aluminium and fitted with 5 nos of twin wheel castors	Yes	Yes / No / Explain		

13	The pedestal should be 65.0 +/-0.5 cm. Pitch-center dia. 75.0 ±1.0 cm. with castors	Yes	Yes / No / Explain		
14	The twin wheel castors should be injection moulded in Black Polypropylene	Yes	Yes / No / Explain		

24. Computer Table (Type G) - In Employees sitting space (Main)

Item specifications for Computer Table

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Supply & Installation of single seater L shaped workstation	Yes	Yes / No / Explain		
2	Size should be 2100W1 x 1800W2 x 600D x 1200Ht mm	Yes	Yes / No / Explain		
3	Panel-based systems should be provided with a thickness below 52 mm (+/- 1 mm)	Yes	Yes / No / Explain		
4	Panel should provide provisions for cable management	Yes	Yes / No / Explain		
5	Panel top tile should have one white board and a laminate board	Yes	Yes / No / Explain		
6	A block for 52 mm (+/- 1 mm) panel's thickness should comprise of 38 mm thick paper honeycomb with 3 mm Medium Density Fibreboard (MDF) on each side and 0.6 mm decorative laminate	Yes	Yes / No / Explain		

7	Fabricated bottom frame for 52 mm (+/- 1 mm) should comprise of L-Channels made of 2 mm thick CRCA steel (IS:513), formed plates of 3 mm thick HR steel (IS:2062) & ERW steel tube of size 35 x 15 x 1.6 mm in oval cross section (IS:7138) welded together	Yes	Yes / No / Explain		
8	This should be coated with average 50-to-60-micron thickness of epoxy powder coating	Yes	Yes / No / Explain		
9	This should be bolted to the uprights with M6 screws	Yes	Yes / No / Explain		
10	Panels should be supported on legs with a minimum of 120 mm of open space and should be made between the bottom tile and floor for easy cleaning and to avoid dust accumulation	Yes	Yes / No / Explain		
11	Wire management switches should be mounted on intermediate tiles / bottom metal tiles and accessed through grommet cut-out. Provisions for routing power and network wires separately should be provided	Yes	Yes / No / Explain		
12	Accessories- Mobile metal pedestal with 3 draws (2 Box + 1 File) (Dimensions: 390W x 435D x 646Ht mm) and Metal CPU Trolley	Yes	Yes / No / Explain		

25. Chair (Type C) - For employees and conference hall front row

Item specifications for Chair

Sl No	Specification	Value	Compliance	Offered Specification	Remark
1	Supply & Installation of mid back chair	Yes	Yes / No / Explain		
2	Cushioned seat should be made of Injection moulded plastic outer & inner. Plastic Inner should be upholstered with leatherette and moulded	Yes	Yes / No / Explain		
3	High-resilience polyurethane should be provided in seat foam that is moulded with density 45 +/-2 kg/cubic mtr and hardness 16 +/-2 kgf as per IS:7888 for 25% compression	Yes	Yes / No / Explain		
4	Seat size should be 47.0 cm. (W) x 48.0 cm. (D)	Yes	Yes / No / Explain		
5	Mid Back size should be 47.7 cm. (W) x 60 cm. (H)	Yes	Yes / No / Explain		
6	The cushioned back should be made of PU Foam with insitu moulded MS E.R.W Round Tube of size 1.9 ±0.03 cm x 0.16 ±0.0128 cm. It should be upholstered with Leatherette	Yes	Yes / No / Explain		
7	The armrest top should be moulded from polyurethane (PU) and mounted on to a drop lift adjustable type tubular armrest support made of 03.81 +/-0.03 cm x 0.2 +/-0.01 cm thick M.S.E.R.W tube having chrome plated finish	Yes	Yes / No / Explain		
8	The armrest should be height adjustable up to 6.5 +/-0.5 cm in 5 steps	Yes	Yes / No / Explain		

9	<p>The adjustable tilting active bio-synchro mechanism should be designed to provide the following features</p> <ul style="list-style-type: none"> - 360 degree revolving type. - Front-pivot for tilt with feet resting on ground and continuous lumbar support, ensuring more comfort. - Tilt tension adjustment. - 5-position tilt limiter giving option of variable tilt angle to the chair. - Seat/back tilting ratio of 1:2 	Yes	Yes / No / Explain		
10	<p>The mechanism housing should be made up of HPDC Aluminium black powder coated</p>	Yes	Yes / No / Explain		
11	<p>Seat depth adjustment should be integrated in the seat through a sliding mechanism. Seat depth adjustment range should be of 6.0 +/- 0.5 cm</p>	Yes	Yes / No / Explain		
12	<p>Back Frame should be connected to the Up/Down mechanism housed in Plastic T spine. It should be adjustable in the range of 7.42 +/-0.5 cm, for the comfortable back support to suit individual need</p>	Yes	Yes / No / Explain		
13	<p>The pneumatic height adjustment should be provided with stroke of 10.0 +/-0.3 cm</p>	Yes	Yes / No / Explain		
14	<p>The pedestal should be high pressure die cast polished aluminium and fitted with 5 nos of twin wheel castors</p>	Yes	Yes / No / Explain		

15	The pedestal should be 65.0 +/-0.5 cm. Pitch-center dia. 75.0 +/-1.0 cm with castors	Yes	Yes / No / Explain		
16	The twin wheel castors should be injection moulded in black PP having 6.0 ±0.1 cm wheel diameter	Yes	Yes / No / Explain		

26. Computer Table (Type L) - In Office area

Item specifications for Computer Table

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Supply & Installation of single seater rectangular shaped workstation	Yes	Yes / No / Explain		
2	Size should be 1200W x 600D x 1200Ht mm	Yes	Yes / No / Explain		
3	Panel-based systems should be provided with a thickness below 52 mm (+/- 1 mm)	Yes	Yes / No / Explain		
4	Panel should provide provisions for cable management	Yes	Yes / No / Explain		
5	Panel top tile should have one white board and a laminate board	Yes	Yes / No / Explain		
6	A block for 52 mm (+/- 1 mm) panel's thickness should comprise of 38 mm thick paper honeycomb with 3 mm Medium Density Fibreboard (MDF) on each side and 0.6 mm decorative laminate	Yes	Yes / No / Explain		

7	Fabricated bottom frame for 52 mm (+/- 1 mm) should comprise of L-Channels made of 2 mm thick CRCA steel (IS:513), formed plates of 3 mm thick HR steel (IS:2062) & ERW steel tube of size 35 x 15 x 1.6 mm in oval cross section (IS:7138) welded together	Yes	Yes / No / Explain		
8	This should be coated with average 50-to-60-micron thickness of epoxy powder coating	Yes	Yes / No / Explain		
9	This should be bolted to the uprights with M6 screws	Yes	Yes / No / Explain		
10	Panels should be supported on legs with a minimum of 120 mm of open space and should be made between the bottom tile and floor for easy cleaning and to avoid dust accumulation	Yes	Yes / No / Explain		
11	Wire management switches should be mounted on intermediate tiles / bottom metal tiles and accessed through grommet cut-out. Provisions for routing power and network wires separately should be provided	Yes	Yes / No / Explain		
12	Accessories- Mobile metal pedestal with 3 draws (2 Box + 1 File) (Dimensions: 390W x 435D x 646Ht mm) and Metal CPU Trolley	Yes	Yes / No / Explain		

27. Sofa (3 Seater) - In Lobby

Item specifications for Sofa

Sl No	Specification	Value	Compliance	Offered Specification	Remark
1	Supply & Installation of three-seater sofa	Yes	Yes / No / Explain		
2	Size should be 2060 (L) x 905 (D) x 855 (H) x 450 (seat height) mm	Yes	Yes / No / Explain		
3	The seats should be made up of polyurethane (PU) foam in density 28 +/-2 kg/cubic mtr with an additional top layer of super soft PU foam in density 32 +/-2 kg/cubic mtr, upholstered with leatherette	Yes	Yes / No / Explain		
4	The back should be made up of PU foam in density 28 +/-2 kg/cubic mtr with two additional top layer of super soft foam of density 32 +/-2 kg/cubic mtr, upholstered with leatherette	Yes	Yes / No / Explain		
5	Understructure should be made up of 1.2 +/-0.1 cm thick hot-pressed plywood [moisture resistance & termite proof as per IS:303] & pinewood of cross sections devoid of knots & surface defects	Yes	Yes / No / Explain		
6	6 nos of 3.8 mm Dia zigzag spring assembly should be provided for each seat	Yes	Yes / No / Explain		
7	The spring assembly should mount over understructure for cushioning purpose	Yes	Yes / No / Explain		
8	Legs should be welded together and assembled in stainless steel tube and pipe (grade SS 202) with a plastic end cap	Yes	Yes / No / Explain		

28. Computer Table (Type N) - In rooms for Division Head and Group Head

Item specifications for Computer Table

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Supply & installation of executive table	Yes	Yes / No / Explain		
2	Main table size should be 2100W x 1050D x 750Ht mm. Side table size should be 1200W x 500D x 750Ht mm	Yes	Yes / No / Explain		
3	Primary Work Surface should be made of 25 mm thick Medium Density Fibreboard (MDF) one side pre-laminate board confirming to IS-14587:1998 with 0.4 mm PVC membrane pressed on to top	Yes	Yes / No / Explain		
4	Secondary Work Surface should be made of 25 mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4 mm PVC membrane pressed on to top	Yes	Yes / No / Explain		
5	Modesty Panel should be made of 25 mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4 mm PVC membrane pressed on to top	Yes	Yes / No / Explain		
6	Understructure should be made of 25 mm Thick Pre-laminated twin board of E1-P2 grade confirming to IS-12823:1990, edge banded with matching 2 mm thick PVC lipping	Yes	Yes / No / Explain		

7	Integrated Pedestal should be made of 25 mm Thick Pre-laminated twin board of E1-P2 grade confirming to IS-12823:1990, edge banded with matching 2 mm thick PVC lipping	Yes	Yes / No / Explain		
8	Drawer fronts should be made of 25 mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4 mm PVC membrane pressed on to top	Yes	Yes / No / Explain		
9	Pedestal construction should be 2 Box + 1 File type, which uses powder coated, 400 mm long metal panel drawer slides. Drawer extension should be 325 mm. Drawers should have a soft closing & anti slam mechanism	Yes	Yes / No / Explain		
10	Handles should be provided for ease of opening	Yes	Yes / No / Explain		
11	Pedestal should be provided with lock for security	Yes	Yes / No / Explain		
12	A cable spine to be provided for power and network cables	Yes	Yes / No / Explain		

29. Computer Table (Type B) - For AI, IOT, AR/VR & Software development lab & Spares

Item specifications for Computer Table

Sl No	Specification	Value	Compliance	Offered Specification	Remark
1	Supply & Installation of rectangular table. Size should be 1500W x 600D x 750Ht mm with 25 mm thick Pre-Laminated Board, conforming to IS: 12823	Yes	Yes / No / Explain		

2	All edges of work surface should be provided with machine pressed 2 mm thick PVC lipping, glued with hot melt EVA glue with grain direction along the width of worktop.	Yes	Yes / No / Explain		
3	Worktops should be either with Grommet or Access flap cut outs. Access flap cut outs should be along main width. Table platform design: The worktop should rest on legs which should be placed at 40 mm from edge of worktop.	Yes	Yes / No / Explain		
4	Partial screens should be provided on front side with an 8-mm-thick laminated glass marker screen with a height of 450 mm and mounted on studs	Yes	Yes / No / Explain		
5	Legs should be fabricated from a combination of 1.2 mm, 2 mm thick CRCA (as per IS:513), 3 mm and 5 mm thick Hot Rolled (as per IS: 2062).	Yes	Yes / No / Explain		
6	Argo Shield welding should be used for fabrication	Yes	Yes / No / Explain		
7	The leg should be inclination in one plane. It should be a ball socket M8 leveler with bottom translucent cap that allows adjustment up to 50 mm height with an extrusion cover made of aluminium alloy.	Yes	Yes / No / Explain		

8	Metal modesty should be made from 0.8 mm thick cold rolled close annealed steel (IS:513). Internal tapped stud should be welded to the modesty for mounting. Metal modesty should be mounted on the worktop with the help of the modesty mounting brackets made of 3 mm thick Hot Rolled (IS:2062). Modesty panel should be terminating at 400 mm from ground.	Yes	Yes / No / Explain		
9	Cross members in the desk-based system should be made of 50 mm x 25 mm x 1.2 mm thick (as per IS: 7138 Electric Resistance Welded).	Yes	Yes / No / Explain		
10	Cross members should be assembled by friction fit PDC joinery and Grub screws	Yes	Yes / No / Explain		
11	All cross members should be mounted at a distance of 165 mm from work top sides. Cross connectors should be fabricated by welding (Argo shield) 3 mm thick Hot Rolled (as per IS: 2062) plate at end / ends. Minimum two crossmembers should be provided in the understructure.	Yes	Yes / No / Explain		

12	Wire management should be provided in independent power box with wire raisers, Independent Power box should be made with a 0.8 mm thick CRCA (IS:513), with switch plate of (8+3) module cut out as standard. Provisions for routing power and network wires separately should be provided.	Yes	Yes / No / Explain		
13	Provision for wire management should be provided on the tableside	Yes	Yes / No / Explain		
14	Accessories- Mobile metal pedestal with 3 draws (2 Box + 1 File) (Dimensions: 390W x 435D x 646Ht mm) and Metal CPU Trolley	Yes	Yes / No / Explain		

30. Computer Table (Type F) - In Employees sitting space (Main)

Item specifications for Computer Table

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Supply & Installation of single seater L shaped workstation	Yes	Yes / No / Explain		
2	Size should be 1800W1 x 2100W2 x 600D x 1200Ht mm	Yes	Yes / No / Explain		
3	Panel-based systems should be provided with a thickness below 52 mm (+/- 1 mm)	Yes	Yes / No / Explain		
4	Panel should provide provisions for cable management	Yes	Yes / No / Explain		
5	Panel top tile should have one white board and a laminate board	Yes	Yes / No / Explain		

6	A block for 52 mm (+/- 1 mm) panel's thickness should comprise of 38 mm thick paper honeycomb with 3 mm Medium Density Fibreboard (MDF) on each side and 0.6 mm decorative laminate	Yes	Yes / No / Explain		
7	Fabricated bottom frame for 52 mm (+/- 1 mm) should comprise of L-Channels made of 2 mm thick CRCA steel (IS:513), formed plates of 3 mm thick HR steel (IS:2062) & ERW steel tube of size 35 x 15 x 1.6 mm in oval cross section (IS:7138) welded together	Yes	Yes / No / Explain		
8	This should be coated with average 50-to-60-micron thickness of epoxy powder coating	Yes	Yes / No / Explain		
9	This should be bolted to the uprights with M6 screws	Yes	Yes / No / Explain		
10	Panels should be supported on legs with a minimum of 120 mm of open space and should be made between the bottom tile and floor for easy cleaning and to avoid dust accumulation	Yes	Yes / No / Explain		
11	Wire management switches should be mounted on intermediate tiles / bottom metal tiles and accessed through grommet cut-out. Provisions for routing power and network wires separately should be provided	Yes	Yes / No / Explain		

12	Accessories- Mobile metal pedestal with 3 draws (2 Box + 1 File) (Dimensions: 390W x 435D x 646Ht mm) and Metal CPU Trolley	Yes	Yes / No / Explain		
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Common Specifications (Applicable for all items)

Sl No	Specification	Value	Compliance	Offered Specification	Remark
1	With regard to dimensions, wherever the permissible deviation is not mentioned, a deviation of +/- 1% of the particular dimension is allowed.	Yes	Yes / No / Explain		
2	Detailed specifications and terms and conditions given in Annexure I should be complied with	Yes	Yes / No / Explain		
3	Furniture should be installed as per the layout diagram given in Annexure IV	Yes	Yes / No / Explain		

Supporting Documents required from Vendor

1. OEM Specification sheets of quoted products

2. OEM Catalogues of quoted products

3. Willingness to permit officials of consignee to visit the supplier's location and inspect the items quoted

4. Manufacturers Authorization Form (MAF) / Certificate with OEM (For dealers)

5. Compliance matrix (Format provided in Annexure III)

6. Supporting documents for executing project for supply and installation / commissioning of

same or similar category products during preceding 3 financial years

7. Green Pro and GRIHA Certification for the quoted products

8. Registration certificate of bidder

9. Service Escalation Matrix of the Bidder

10. Colour options for all quoted products

5 additional documents can be uploaded by the vendor

C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	xviii) Installation period: 2 weeks	Yes / No / Explain	
2	xvii) Delivery period: 8 weeks	Yes / No / Explain	
3	xvi) Make in India (MII)-MII content of items quoted in percentage of total value & the location at which value addition is made should be specified by suppliers along with offer. A minimum of 50% MII content is required for the total items quoted	Yes / No / Explain	
4	xv) Pre bid visit: Interested parties can visit the site for getting an idea about the Furniture to be installed. For this, bidders may contact SPSO (Ph:04712567726/7727) by sending a mail to pso_2@lpsc.gov.in & spso_purchase@lpsc.gov.in	Yes / No / Explain	
5	xiv) The make and model no. of all items quoted should be explicitly specified by the supplier along with their offer	Yes / No / Explain	
6	xiii) Offer of bidder is liable to be rejected if they do not upload any of the certificates / documents sought in Bid document, Terms and conditions, Corrigendum (if any) and based on the technical committee decision	Yes / No / Explain	
7	xii) Service during warranty period: Supplier shall be responsible for transportation of any defective item to their service centre, (ii) repair / replacement & (iii) returning of the same at consignee location	Yes / No / Explain	
8	xi) Service during warranty period: Any defect reported during warranty period shall be addressed by supplier within 24 hours & replaced / repaired by supplier within 1 week.	Yes / No / Explain	
9	x) Scope of work: Supply of all items mentioned in tender, safe transportation to consignee location, installation at site & demonstration at consignee location. Bidder should carry out final placement of assembled items as per layout provided in Annex IV	Yes / No / Explain	

10	ix) Any defects observed during the period should be repaired / replaced free of cost. The warranty period should start from date of final acceptance by Buyer	Yes / No / Explain	
11	viii) Warranty period: 3 years against manufacturing defects. Supplied items should be free from material & workmanship defects & supplier should warrant for the same for a period of 3 years	Yes / No / Explain	
12	vii) The Bidder (themselves or through reseller(s)), should have executed project for supply and installation / commissioning of same or similar category products during preceding 3 financial years. Supporting documents to be submitted by the bidder.	Yes / No / Explain	
13	vi) The Bidder / OEM should have Green Pro and GRIHA Certification for the supplied furniture which are in accordance with environment requirements and recognized under Ministry of New and Renewable Energy.	Yes / No / Explain	
14	v) The Bidder / OEM should have manufacturing facility in India.	Yes / No / Explain	
15	iv) Service Escalation Matrix of the Bidder should be provided. Registration certificate also to be submitted as documentary evidence.	Yes / No / Explain	
16	iii) Bidder should upload Specification & Catalogues of quoted products. Bidder should provide available colour options for all items. LPSC reserves the right to choose colours from available options for the items, & the same will be mentioned in PO.	Yes / No / Explain	
17	ii) Splitting up of Bid items is not possible. Bidder shall quote for all products mentioned in the detailed specifications. Offer of bidder is liable to be rejected if they do not quote for all products mentioned in detailed specifications.	Yes / No / Explain	
18	i)The Bidder participating in the tender should be an OEM or an Authorized Dealer. Manufacturer authorization: Wherever Authorized Dealers are submitting the bid, Manufacturers Authorization Form (MAF)/Certificate with OEM details shall also be provided.	Yes / No / Explain	

19	<p>As per the Rule 144(xi) of General Financial Rule ,2017, any bidder from a country which shares a land border with India will be eligible to bid in any procurement whether of goods, services (including consultancy service and non-consultancy services) or works (including turnkey projects) only if the bidder is registered with the competent authority ie., Department for Promotion of Industry and Internal Trade (DPIIT). Hence, Vendors or Agents of a Vendor (Indian or others) from a country sharing border with India shall submit copy of valid registration made with Department for Promotion of Industry and Internal Trade (DPIIT), Government of India along with the tender mandatorily, without which the offer will be treated as invalid.</p>	Yes / No / Explain	
20	Whether applicable GST percentage mentioned in your offer.	Yes / No / Explain	
21	<p>ISRO is eligible for Customs Duty Concession vide Notification No.12/2012-Customs dated 17.03.2012. and Notification No. 50/2017-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.]</p>	Yes / No / Explain	
22	Installation Charges, if any, (If mentioned as EXTRA OR INCLUDED in your quote, please mention the percentage in Remarks Column).	Yes / No / Explain	
23	<p>Delivery Term :- FOR : LPSC, VALIAMALA In case of Foreign orders, FOB or FCA.</p> <p>If "NO" specify the exact delivery term with relevant details in remarks column</p>	Yes / No / Explain	

24	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 remarks column OR if already mentioned in your quote please mention as already furnished in the quote)	Yes / No / Explain	
25	Payment Term :- (a)100% payment shall be made through RTGS within 30 days of receipt and acceptance of the item at our site. (b)In case of Foreign orders, Payment term shall be SIGHT DRAFT / 80% BY IRREVOCABLE LETTER OF CREDIT AND BALANCE 20% BY WIRE TRANSFER AFTER RECEIPT & ACCEPTANCE OF THE ORDERED ITEM.	Yes / No / Explain	
26	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	
27	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 years or as specified in the tender document.	Yes / No / Explain	
28	Security Deposit (SD) :- (only for order value above Rs.5 Lakh) You have to furnish a Bank Guarantee for 3% of the order value (from a bank of international repute in case of foreign vendors) 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	

29	<p>Performance Bank Guarantee (PBG) :- You have to submit a PBG from a Nationalised / Scheduled Bank (from a bank of international repute incase of foreign vendors) 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.</p> <p>OR</p> <p>3% OF THE ORDER VALUE SHALL BE WITH HELD TILL THE COMPLETION OF WARRANTY PERIOD PLUS 60 DAYS.</p>	Yes / No / Explain	
30	<p>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.</p>	Yes / No / Explain	
31	<p>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 AIR / SEA / ROAD worthy packing.</p>	Yes / No / Explain	
32	<p>Validity of Offer :-</p> <p>(a)The validity of the offers should be 90 days (in case of single part tender) from the date of opening of the tenders.</p> <p>(b)The validity of the offers should be 120 days (in case two part tender) from the date of opening of the tenders.</p> <p>Note :- Tenders shorter than offer validity mentioned above will not be considered for evaluation.</p>	Yes / No / Explain	
33	<p>Bank Details, viz., Bank Name, Branch, Address, Account No., IFSC (Details to be given in Vendor Terms Column)</p>	Yes / No / Explain	
34	<p>PAN No. (Details to be furnished in Vendor Terms Column)</p>	Yes / No / Explain	
35	<p>GST No. (Details to be given in Vendor Terms Column)</p>	Yes / No / Explain	
36	<p>Purchase Order to be placed on whom (Please mention the Address, Phone No. & E-mail id)</p>	Yes / No / Explain	

37	HSN Code of offered items	Yes / No / Explain	
38	Local content involved in the quoted item shall be declared/ certified in percentage.	Yes / No / Explain	
39	Furnish the details of place(s) where the value addition for the quoted item takes place.	Yes / No / Explain	
40	State whether MSE or not. If yes, please provide the necessary documentary proof	Yes / No / Explain	

C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Other Costs, if any	Remark
1	Computer Table (Type J) - In Employees sitting space near room for Sci./Engr-SF	1.00 Nos.		-			
2	Chair (Type A) - For contract workers, apprentice trainees etc	30.00 Nos.		-			
3	INSTALLATION	1.00 Nos.		-			
3.1	INSTALLATION - Installation & Commissioning	1.00 Nos.		-			
4	Computer Table (Type H) - In Employees sitting space (Main)	2.00 Nos.		-			
5	Storage cabinet (Type A) - In Hardware maintenance lab	2.00 Nos.		-			

6	Storage cabinet (Type B) - In AI, IOT, AR/VR & Software development lab & Centralized Store/Inventory	3.00 Nos.		-			
7	Computer Table (Type A) - For AI, IOT, AR/VR & Software development lab	1.00 Nos.		-			
8	Computer Table (Type I) - In Employees sitting space near room for Sci./Engr-SF	1.00 Nos.		-			
9	Work Bench - In Hardware maintenance lab	1.00 Nos.		-			
10	Computer Table (Type D) - In Employees sitting space near room for Sci./Engr-SF	1.00 Nos.		-			
11	Computer Table (Type C) - For AI, IOT, AR/VR & Software development lab & Hardware maintenance lab	7.00 Nos.		-			
12	Stool - For accessing higher levels of Storage cabinets	2.00 Nos.		-			

13	CONFERENCE TABLE (Type P) - In Discussion Room	1.00 Nos.	-				
14	Heavy duty shelving system - In Centralized Store / Inventory	1.00 Nos.	-				
15	Storage cabinet (Type D) - In Office area	1.00 Nos.	-				
16	Storage cabinet (Type E) - In Rooms for Division Head and Group Head	2.00 Nos.	-				
17	Computer Table (Type E) - In Employees sitting space (Main)	1.00 Nos.	-				
18	Computer Table (Type K) - In Office area	1.00 Nos.	-				
19	Storage cabinet (Type C) - In Employees sitting space (Main)	1.00 Nos.	-				
20	Chair (Type E) - For visitors and conference hall back row	35.00 Nos.	-				
21	Computer Table (Type M) - In rooms for Sci./Engr-SFs	4.00 Nos.	-				

22	Chair (Type B) - For employees	12.00 Nos.		-			
23	Chair (Type D) - For senior employees	3.00 Nos.		-			
24	Computer Table (Type G) - In Employees sitting space (Main)	2.00 Nos.		-			
25	Chair (Type C) - For employees and conference hall front row	24.00 Nos.		-			
26	Computer Table (Type L) - In Office area	1.00 Nos.		-			
27	Sofa (3 Seater) - In Lobby	1.00 Nos.		-			
28	Computer Table (Type N) - In rooms for Division Head and Group Head	2.00 Nos.		-			
29	Computer Table (Type B) - For AI, IOT, AR/VR & Software development lab & Spares	19.00 Nos.		-			
30	Computer Table (Type F) - In Employees sitting space (Main)	4.00 Nos.		-			

Common charges (Applicable for all items)

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