

भारत सरकार
अंतरिक्ष विभाग
सतीश धवन अंतरिक्ष केंद्र शार
श्रीहरिकोटा रेंज डा.घ. 524 124
तिरुपति जिला, आंध्र., भारत
लैंड लाइन नं : 0862322
गतिमान नं :
निविदा सूचना सं. TENDER NOTICE NO. SDSC SHAR/HPS/PT/RO-VALF/66/2026-27



Government of India
Department of Space
Satish Dhawan Space Centre SHAR
Sriharikota Range P.O. 524 124
Tirupati Dist., AP., India
Land Line No : 0862322
Mobile No :

भारत के राष्ट्रपति की ओर से प्रधान क्रय एवं भंडार, सतीश धवन अंतरिक्ष केंद्र श्रीहरिकोटा निम्नलिखित वस्तुओं के लिए ऑनलाइन निविदाएं आमंत्रित करते हैं/On behalf of President of India, Head Purchase and Stores, SDSC SHAR, SRIHARIKOTA invites on line quotations for the following: -

क्र.सं. SI No	संदर्भ सं. Ref. No.	विवरण Description	मात्रा Qty.
01	SDSC SHAR /VALF PURCHASE /VALF/ 2026000329 Design, Supply, Erection & Commissioning of modular wall panels & additional modifications in Cleanroom-1 & allied areas in SP2B at SDSC SHAR Sriharikota. [Public Tender - Two Part]	Design, Supply, Erection & Commissioning of modular wall panels & additional modifications in Cleanroom-1 & allied areas in SP2B at SDSC SHAR Sriharikota.	01 Unit

निविदा दस्तावेजों को डाउनलोड करने की अंतिम तिथि Last Date for downloading of tender documents : 18.08.2026 at 16:00 hrs.
ऑनलाइन निविदा जमा करने की अंतिम तिथि Due Date for submission of bids online : 18.08.2026 at 16:30 hrs.
निविदाएं खोलने की नियत तिथि Due Date for opening of tenders : 18.08.2026 at 17:00 hrs.

निविदाकार के लिए निर्देश Instructions to Tenderers:

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

- कार्य के सम्पूर्ण विवरण/जानकारी तथा नियम व शर्तों इत्यादि के लिए संलग्न अनुलग्नक को देखें। / For full details/scope of work and terms and conditions etc., please see the enclosed annexures.
- इच्छुक निविदाकार इसरो की ई-खरीद वेबसाइट इसरो न्यू ई-प्रोक्युरमेंट www.eproc.isro.gov.in से ई-निविदा डाउनलोड और अपनी निविदा ई-खरीद पोर्टल पर ऑनलाइन जमा कर सकते हैं। डाक / वाहक / स्वयं द्वारा प्राप्त निविदाओं पर विचार नहीं किया जाएगा। / Interested tenderers can download the e-tender from ISRO e-procurement website ISRO NEW E-PROCUREMENT www.eproc.isro.gov.in and submit the offer on line in the e-procurement portal. Offers sent physically by post/courier/in person will not be considered.
- निविदा दस्तावेज इसरो की वेबसाइट www.isro.gov.in इसरो न्यू ई-प्रोक्युरमेंट वेबसाइट www.eproc.isro.gov.in तथा सतीश धवन अंतरिक्ष केंद्र शार की वेबसाइट www.shar.gov.in पर भी उपलब्ध हैं। इन्हें केवल ई-खरीद पोर्टल से डाउनलोड और निविदा ऑनलाइन जमा कर सकते हैं। / Tender documents are also available on ISRO website www.isro.gov.in ISRO New e-procurement website www.eproc.vssc.gov.in and SDSC SHAR, Sriharikota website www.shar.gov.in. The same can be down loaded and offer submitted on line in the new e-procurement portal only.
- निर्धारित तिथि/समय के पश्चात प्राप्त बोलियों पर विचार नहीं किया जाएगा। / Quotations received after the due date/time will not be considered.
- प्रधान क्रय एवं भंडार, सतीश धवन अंतरिक्ष केंद्र श्रीहरिकोटा के पास किसी भी या सभी निविदाओं को स्वीकार / अस्वीकार करने का अधिकार है। / Head, Purchase and Stores, SDSC-SHAR, Sriharikota reserves the right to accept or reject any/or all the quotations.
- GeM ARPTS Report ID: GEM/GARPTS/01072026/RW1Q93NOMQFN

दिनांक DT: 27.07.2026

प्रधान क्रय एवं भंडार
HEAD PURCHASE AND STORES

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

Tender for Wall paneling works in SP2-B

Bids to be submitted online

Tender No.: SDSC SHAR/VALF PURCHASE/SH202600032901 dated 28-07-2026

A. Tender Details

Tender No :	SDSC SHAR/VALF PURCHASE/SH202600032901
Tender Date :	28-07-2026
Tender Classification:	GOODS
Purchase Entity :	VALF PURCHASE
Centre :	SATISH DHAWAN SPACE CENTRE SHAR SRIHARIKOTA (SDSC SHAR)

Supply, Erection & Commissioning of modular wall panels & additional modifications in Cleanroom-1 & allied areas in SP2B at SDSC SHAR Sriharikota.

GEM/GARPTS/01072026/RW1Q93NOMQFN

As per tender documents

A.1 Tender Schedule

Bid Submission Start Date :	28-07-2026 15:30
Bid Clarification Due Date :	12-08-2026 16:00
Bid Submission Due Date :	18-08-2026 16:30
Bid Opening Date :	18-08-2026 17:00
Price Bid Opening Date :	15-09-2026 10:00

B. Tender Attachments

NA

Instructions To Vendors

1. Format for Self Declaration regarding Restriction under Rule 144 (X) of GFR 2017 (Land Border Sharing)

1. (to be printed in letter head)

DECLARATION BY AUTHORISED SIGNATORY OF THE FIRM

2. I, the undersigned, _____ (full names), do hereby declare, in my capacity as _____ of M/s _____ (name of bidder entity), that:

3. 1) I have read the Order (Public Procurement No.1, 2 & 3) dtd 23 Jul 2020 & 24 Jul 2020 office memorandum (OM) No. F.18/37/2020-PPD Dt:08.02.2021, OM NO. F.12/1/2021-PPD (Pt) dated 02.03.2021 and OM No. F.7/10/2021-PPD dated 08.06.2021 and OM No.F.7/10/2021-PPD dated 23.02.2023 on the subject of Restrictions under Rule 144 (xi) of the General Financial Rules (GFRs), 2017 regarding restrictions on procurement from a bidder of a country which shares a land border with India and comply to all the provisions of the Order.

4. I certify that M/s. _____ (name of bidder entity)

5. (A) IS NOT FROM SUCH A COUNTRY

6. (B) IS FROM SUCH A COUNTRY AND HAS BEEN REGISTERED WITH THE COMPETENT AUTHORITY (attach evidence of valid registration)

7. (Select any one of the above (A) or (B) and strike off the other) I hereby certify that this SUPPLIER fulfils all requirements in this regard and is eligible to be considered.

8. 3) I understand that the submission of incorrect data and / or if certificate / declaration given by M/s _____ (name of bidder entity) is found to be false, this would be a ground for debarment and further legal action in accordance with law as per Clause 18 of Procurement Policy Division OM No.F.7/10/2021-PPD dated 23.02.2023

9. AUTHORIZED SIGNATURE:

DATE: _____

Seal / Stamp of Bidder

2. Format for MII declaration

1. (to be printed in letter head) -

Self-Certification under preference to Make in India order Certificate

2. In line with Government Public Procurement Order No. P-45021/2/2017-PP (BE-II)-Part(4) Vol.II dated 19.07.2024 and its latest directives there of, we hereby certify that we

M/s. _____ are local suppliers and the offered item having local content of _____% [Local content means the amount of value added in India which shall, unless otherwise prescribed by the respective Nodal Ministry, be the total value of the item procured (excluding Net Domestic Indirect Taxes, Transportation, Insurance, Installation, Commissioning, Training and after sales service support like AMC/CMC etc.) minus the value of imported content in the item (including all customs duties) as a proportion of the total value, in percent] as defined in above orders for the material against Tender/Bid No _____ dated _____

3. Details of location at which local value addition will be made as follows:

4. We also understand, false declaration will be breach of the code of integrity under the rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.

5. Thanking You

Signature with date

Name

Designation

Official Seal

3. General Instructions to Vendor

1. Instructions to Tenderers

TeleNo.08623-226289/6082

e-Mail ID : hps.p@shar.gov.in, satya.ch@shar.gov.in, psovalf@shar.gov.in

1. Interested tenderers may, at their option, login to <https://eproc.isro.gov.in> and submit your offers.
2. TENDER FEE IS NOT APPLICABLE.
3. EARNEST MONEY DEPOSIT IS NOT APPLICABLE
4. Indian agents while quoting on behalf of their principals are requested to attach Principals original quote, necessary authorization letter from their Principals, copy of agency agreement etc. in their bid.
5. TWO PART BIDS: In case of Two part tender, price details shall not be uploaded in the Technical & Commercial Bids (Part I), failing to which the bid will be treated as INVALID.
6. The offer should be valid for a minimum period of 180 days for 2 part bids and minimum period of 90 days for single part from the date of bid opening.
7. Due date & time: Sufficient time has been allotted for Bid submission. Vendors are requested to complete Bid submission well in advance. Last minute requests for due date extension citing server problems etc. will not be entertained. Late bids will not be considered.
- 7 (A). Request for the extension of the due date will not be considered without clear justification and approval of competent authority.
8. (a) Bid Opening for Public Tender: In case of Public Tender-Two Part Tenders: Technical and Commercial Bids will be opened on the first day specified for Tender opening. Interested vendors can attend the tender opening session to know the bidding details (Bidders presence is not mandatory to consider the quote for evaluation). Price Bid opening of the selected vendors will be scheduled later and it will be intimated to the selected Bidder (s).
- (b) For Limited Tender: BIDDER PARTICIPATION IS NOT ALLOWED.
9. Prices are required to be quoted according to the units indicated. In domestic tenders price shall be quoted in INR only.
10. Preference will be given to those tenderers offering supplies from ready stocks and on the basis of FOR destination delivery at site.

11. (a) All available technical literature, catalogues and other data in support of the specifications and detail of the items should be furnished as attachments.
- (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.
- (c) Approximate net and gross weight of the items offered shall be indicated in your offer. If dimensions details are available the same should be indicated in your offer.
- (d) Specifications: Stores offered should strictly conform to our specifications. Deviations, if any, should be clearly indicated by the tenderer in their quotation. The tenderer should also indicate the Make/Type number of the stores offered and provide catalogues, technical literature and samples wherever necessary. Test certificates wherever necessary should be attached. Whenever options are called for in our specifications, the tenderer should address all such options. Wherever specifically mentioned by us the tenderer could suggest changes to specifications with appropriate response for the same.
12. The purchaser shall be under no obligation to accept the lowest or any tender and reserves the right of acceptance of the whole or any part of the tender or portion of quantity offered and the tenderers shall supply the same at the rates quoted.
13. All amounts shall be indicated both in words as well as in figures. Where there is difference between amounts quoted in words and figures, amount quoted in words shall prevail.
14. The tenderer will be required to furnish a document containing the name of his bankers as well as the latest income-tax clearance certificate duly counter signed by the Income-tax Officer of the Circle concerned under the Seal of his office, if required by the Purchaser.
15. OPTION CLAUSE: The Purchaser reserves the right to place order on the successful tenderers for additional quantity up to 25% of the quantity offered by them at the rates quoted.
16. SDSC SHAR SRIHARIKOTA reserves the right to accept or reject any bid in part or full by assigning reasons thereof.
17. Any bidder from a country which shares a land border with India will be eligible to bid in any procurement whether of goods, services (including consultancy services and non-consultancy services) or works (including turnkey projects) only if the bidder is registered with Competent Authority as specified in Office Memorandum no.F.No.7/10/2021-PPD, Ministry of Finance, Department of Expenditure, Public Procurement Division dated 23.02.2023. All the conditions mentioned in the above OM is applicable for this tender.

4. STANDARD TERMS & CONDITIONS

1. 1.OUR GST NUMBER: 37HYDF00385A1DZ- SDSC SHAR SRIHARIKOTA

2.Email for communication: psovalf(at)shar.gov.in

3.Instruction to Indigenous Suppliers:

A) Payment Terms shall be as specified in RFP. If not specifically mentioned Our Normal payment term is 100 percent within 30 days after receipt and acceptance of the item at our site. Please confirm acceptance in your quotation.

B) Purchase - Price preference to MSEs

Purchase - Price preference will be applicable to the product reservation admissible to the Micro and Small Enterprises. Purchase - Price Preference shall be extended to the MSEs under the Public Procurement Policy for MSEs formulated under the Micro, Small and Medium Enterprises Development Act, 2006. The participating MSEs in a tender, quoting price within the band of L-1 plus 15 percent may also be allowed to supply a portion of the requirement by bringing down their price to the L-1 price, in a situation where L-1 price is from someone other than an MSE. Such MSEs may be allowed to supply up to 25 percent of the total tendered value. In case of more than one such eligible MSE, the supply will be shared equally.

Micro and Small Enterprises which have technical capability to deliver the goods and Services as per prescribed technical and quality specifications and may not be able to meet the qualification criterion relating to prior experience minus prior turnover may be relaxed as per guidelines issued by Ministry of MSMEs and as amended from time to time.

Interested vendors shall specifically claim the benefit with supporting documents.

C) Purchase - Price preference to Make-in-India Products:

Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders - Notifications issued by concerned Nodal Ministry for specific Goods - Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document 50 percent. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rupees 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in-India) order 2017 dated 04.06.2020 and amendments thereof. In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.

D) Instruction to Foreign Suppliers-(if allowed as per RFP)

a) Payment Terms shall be as specified in RFP. If not specifically mentioned Our normal payment term is SIGHT DRAFT, Please confirm acceptance in your offer, if you insist for L - C, and all bank charges shall be to your account. Confirm acceptance.

b) Please specify whether any export clearance is required in case of an order on you.

c) Warranty - Guarantee applicable for the item shall be mentioned in your offer

- d) Special Certification for packing Material : as per Plant Quarantine (Regulation of Control into India) Order 2003, Articles packed with packing material of plant origin namely, hay, straw, wood shavings, wood chips, saw dust, wood waste, wooden pallets, Dunn age Mats, wooden packages, coir pith, pear or sphagnum moss etcetera, will be allowed entry by Customs only with a Phytosanitary Certificate. In case of a Purchase Order, if you propose to us any of the above material for packing such a certificate issued by your local Plant Quarantine Authority shall be furnished.
- e) Confirm whether any Export License is required and for which End User Certificate is to be provided by us, in case of an Order on you. (Enclose format for EUC, if applicable)
- f) Either Indian Agent on behalf of the foreign principals or the foreign principal directly can quote against this order, but not both. In either case an Indian agent cannot represent more than one principal against the same tender.
- g) In case the quote is in INR we prefer to execute the same on HSS Basis and for which Concessional Customs duty as per Notification number 50 - 2017 Customs dated 30.06.2017, Serial Number 539(A) as amended by Notification number 05 - 2018 dated 25.01.2018 and vide Notification No.05-2025 dt.01.02.2025 and 45-2025 dtd 24.10.2025. In case the quote is on Indian Rupee (Outside High Sea Sale), the price shall include taxes and duties if any. We shall not be able to provide any duty or IGST tax exemption - concession certificates. If the item quote is of USA make, please quote for all-inclusive price since we prefer to get the item on FOR destination basis.
- h) Any bidder from a country which shares a land border with India will be eligible to bid in any procurement whether of goods, services (including consultancy services and non-consultancy services) or works (including turnkey projects) only if the bidder is registered with Competent Authority as specified in Office Memorandum number F.No.6 - 18 - 2019-PPD, Ministry of Finance, Department of Expenditure, Public Procurement Division dated 23rd July 2020. All the conditions mentioned in the above OM is applicable for this tender.

E) Common terms to Indigenous and foreign suppliers:

a.Warranty

You shall provide applicable warranty for the items offered by you without fail. For the applicable period you shall provide necessary warranty certificate.

b.Performance Bank Guarantee

Towards the performance of the systems during the warranty period you shall submit a performance bank guarantee equivalent to 3 percent of the order value to cover the warranty period. This PBG shall be interest free and the same shall be returned to you on successful completion of all contractual obligations. The said PBG shall have a further claim period of 2 months.

c.Security Deposit

On acceptance of the order, you shall submit an interest free amount equivalent to 3 percent of the total contract - order value towards security deposit. This security deposit is collected towards the performance of the Contract. The said Security Deposit shall be submitted either in the form of Bank Guarantee - Demand Draft - FDR receipts duly endorsed in the name of the centre. The Security Deposit will be returned to you on successful completion of the Contractual obligations; failing which it shall be forfeited - adjusted.

4.Offer Validity

Your offer shall be valid for 180 days in case of 2 part - 90 days in case of single part from the date of

tender opening. In case your offer validity is less than the mentioned above, the said offer is liable for rejection which may please be noted.

5. Liquidated Damages:

If you fail to deliver the ordered items satisfactorily within the time specified or any extension thereof, Liquidated Damage at 0.5 percent (zero point five percent) of the order value or part thereof the undelivered items for each calendar week of delay shall be recovered from your bill. However total Liquidated Damage shall not exceed 10 percent (ten percent) of the order value.

6.FORCE MAJEURE:

Should a part or whole work covered under this contract be delayed in delivery - completion of work due to reasons of Force majeure which shall include legal lockouts, strikes, riots, civil commotion, fire, accidents, quarantines, epidemic, acts of God and War, stoppage of deliveries by the Government, freight embargoes etcetera; the delivery period - completion of work referred to in this Contract shall be extended by a period not in excess of duration of such Force Majeure. The occurrence shall be notified by either party within reasonable time.

Note:

I.Offers received through post, courier, fax or email will not be considered.

II.Technical and commercial bid (Part-I) shall not contain any price details. Optional accessories or other price details, if any shall be uploaded in Supporting documents related to Price Bid, to be opened along with Price Bid.

III.In respect of FIM being issued, the fabricator shall submit Bank Guarantee for equivalent sum compulsorily. In case, submission of Bank Guarantee is not possible, the reasons there for shall be clearly mentioned. However, for such cases the fabricators at their cost shall secure such FIM through Insurance Policy with Director, SDSC SHAR as beneficiary. In case of PSU and Government Organization, Indemnity Bond in lieu of Bank Guarantee is acceptable. Balance FIM - Scrap, if any shall be returned along with the supply of the items. Please confirm acceptance in your quotation.

IV.SDSC SHAR shall have the right to place part order among the parties for the items for which they are the lowest.

V.TERMS AND CONDITIONS IN THE RFP/ SCOPE OF WORK, SHALL PREVAIL OVER OTHER TERMS AND CONDITIONS(in case of any contradiction or ambiguity)

5. INSTRUCTIONS TO TWO PART TENDER

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

PART- I- TECHNO COMMERCIAL BID:

(1)This part should contain detailed Specifications of the items quoted by you along with Technical

Literature and Leaflets if any.

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

(3)The Commercial terms such as delivery terms, delivery period, payment terms, warranty, validity of the offer, Installation & Commissioning, Duties and Taxes etc shall come into this.

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

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

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

PART II-PRICE BID:

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

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

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

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

C. Bid Templates

C.1 Technical Bid - Wall paneling works in SP2-B

1. WALL PANELS Design, Supply, Erection & Commissioning of modular wall panels & additional modifications in Cleanroom-1 & allied areas in SP2B at SDSC SHAR Sriharikota.

Item specifications for WALL PANELS Design, Supply, Erection & Commissioning of modular wall panels & additional modifications in Cleanroom-1 & allied areas in SP2B at SDSC SHAR Sriharikota.

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Design, Supply, Erection & Commissioning of modular wall panels & additional modifications in Cleanroom-1 & allied areas in SP2B at SDSC SHAR Sriharikota	Compliance of Specification	Yes / No / Explain		

Document : Indent Specifications

Supporting Documents required from Vendor

1. Annexure- 1, 2, 3 & 4 shall be duly signed & uploaded as part of Techno-Commercial bid along with relevant documents.

2. Annexure-5 shall be filled duly signed & uploaded as part of price bid ONLY (Price Bid Related)

3. GST Certificate

4. Upload Land Border Sharing Declaration

5. Udyam certificate if claiming MSE purchase preference

6. Experince certificate as mentioned in the attached RFP

7. Annual turnover

8. Current Solvency Certificate for an amount of Rs. 10Lakhs

9. Technical Literature

10. Firm establishment certificate and nature of work

11. MII certificate indicating percentage of local content along with location of value addition.

12. Any other documents as mentioned in the RFP

5 additional documents can be uploaded by the vendor

C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	Taxes: GST/IGST @ 5% is applicable. As per the Notification No. 9/2025-Central Tax (Rate) dt:17.09.2025 S.No.462 (Schedule I, 88 or any other chapter) issued by Ministry of Finance (Dept. of Revenue) & Government of Andhra Pradesh, Revenue (Commercial Taxes) Department, G.O.MS.No. 345 Dated: 20.09.2025 S.No.462 (Schedule I, 88 or any other chapter) and as per the Notification No. 9/2025-Integrated Tax (Rate) dt:17.09.2025 S.No.462 (Schedule I, 88 or any other chapter) issued by Ministry of Finance (Dept. of Revenue), SDSC SHAR is eligible to avail GST/IGST @5% for the procurements related to Scientific and technical instruments, apparatus, equipment, accessories, parts, components, spares, tools, mock ups and modules, raw material and consumables required for launch vehicles and satellites and payloads. we will issue only End User Certificate for availing GST/IGST @5%. Hence, kindly confirm your acceptance and submit your price quotation accordingly. Please confirm here whether your quoted "UNIT PRICE" in our Price Bid is EXCLUDING GST or INCLUDING GST. ----- NOTE:Our in our price bid form, you must enter "UNIT PRICE EXCLUDING GST" . Applicable GST PERCENTAGE shall be entered in the column provided. If you are putting "0" (zero) in GST percentage column, Your offer will be evaluated as INCLUSIVE OF GST. (HSN/SAC CODE SHALL BE MANDATORILY INDICATED FOR EACH ITEM.)	Yes / No / Explain	
2	Please mention your GST registration details: GSTIN of SDSC SHAR: 37HYDF00385A1DZ	Yes / No / Explain	

3	DELIVERY TERM: FOR SRIHARIKOTA Please quote your rates on FOR-SDSC SHAR, Sriharikota basis including P&F & freight charges. If you quote YES or ACCEPTED or NOTED or AS PER TENDER SPECIFICATIONS, it means your prices are FOR-Sriharikota basis including P&F and FREIGHT charges. Even if you quote P&F and FREIGHT charges are extra in price bid or at any other place, this only holds good.	Yes / No / Explain	
4	DELIVERY SCHEDULE: Items shall be delivered within SIX months (as detailed in RFP) from the date of release of Purchase Order. Please confirm your acceptance.	Yes / No / Explain	
5	LIQUIDATED DAMAGE: Since delivery is the essence of this order, in case of delay in completion of total scope of work beyond the stipulated delivery period, Liquidated Damage will be levied @ 1/2% per week or part thereof on undelivered portion as pre-estimated damages subject to a maximum of 10% of total order value.	Yes / No / Explain	
6	PAYMENT TERM: (i)50% of PO value plus taxes shall be paid after supply of all items required for wall panelling & other modification works at SDSC-SHAR. (ii)50% of P.O value plus taxes shall be paid after satisfactory erection, commissioning and acceptance by CLIP of wall panelling works, doors & glass panels etc. Please submit your invoice along with cancelled cheque during item delivery.	Yes / No / Explain	
7	Evaluation Criteria: Order will be placed on total value wise L1 offer basis. Vendors should mandatory quote for all the line items. Part tenders will be summarily rejected.	Yes / No / Explain	

8	SECURITY DEPOSIT (SD): Security Deposit shall be submitted for 3% of the order value (or as notified by ISRO from time to time) in single installment through Insurance Surety Bonds/ Account Payee Demand Draft/ Bankers Cheque/ Fixed Deposit Receipts or Bank Guarantee (including e-Bank Guarantee) from a Commercial bank executed on Rs.200/- non-judicial stamp paper or payment online in an acceptable form within 14 days after receipt of Purchase Order valid till completion of the Delivery period plus 60 days claim period. This security deposit shall not carry any interest and shall be returned to you only after successful completion of total scope of work. In case of poor performance/ non performance of the contractual obligation security deposit shall be forfeited. In case of non submission of Security deposit within the stipulated period, this order shall be liable to be cancelled.	Yes / No / Explain	
9	WARRANTY: The offered items shall have warranty for a period of Twelve Months from the date of receipt, installation (if applicable), commissioning (if applicable) and acceptance against any manufacturing defects/ bad workmanship. If any defects are noticed during the warranty period, the contractor shall, within 14 days (or within any other period, if stipulated in the contract), expeditiously repair, or replace the defective Goods or parts thereof, free of cost, at the ultimate destination.	Yes / No / Explain	

10	PERFORMANCE BANK GUARANTEE (PBG): A Bank Guarantee for 3% of the order value (or as notified ISRO from time to time) shall be provided towards the performance of the system. PBG may be furnished in the form of Insurance Security Bonds, Account Payee Demand Draft, Fixed Deposit Receipt from a commercial Bank, Bank Guarantee (including e-Bank Guarantee) from a Commercial bank executed on Rs.200/- non-judicial stamp paper or online payment in an acceptable form valid till the successful completion of warranty period plus 60 days. This will not carry any interest and shall be returned to you after successful completion of warranty period against your request. In case of non-performance/poor performance the Bank Guarantee shall be forfeited.	Yes / No / Explain	
11	COMBINED BANK GUARANTEE (Performance Security): In case vendors are unable to submit two separate BG for SD and PBG, to ensure due performance of the contract, please furnish performance security for 03% of the value of the Purchase Order within 15 days of award/release of GeM contract/PO as per the format issued by the purchaser. Performance Security may be furnished in the form of Insurance Security Bonds, Account Payee Demand Draft, Fixed Deposit Receipt from a commercial Bank, Bank Guarantee (including e-Bank Guarantee) from a Commercial bank executed on Rs.200/- non-judicial stamp paper or online payment in an acceptable form and shall be valid till the completion of total contractual obligation (i.e., Supply period PLUS commissioning period (if applicable) PLUS warranty period PLUS 60 days). This will not carry any interest and shall be returned to you after successful completion of contractual obligations against your request. In case of non-performance/poor performance/breach of contractual obligations, bank Guarantee shall be forfeited and in case if the vendor fails to furnish the performance security deposit within the specified date, the Purchase Order/Contract liable to be cancelled.	Yes / No / Explain	

12	Public Procurement Policy for MSE: Purchaser reserves the right to give preference for procurement of goods in terms of product reservation and preferential / mandatory purchase policy as notified by Government of India from time to time. Bidders claiming any preference shall submit relevant and valid registration certificate along with the tender in terms of the relevant Orders/Notifications issued by appropriate Authority/Government. If the bidder is a Micro or Small Enterprise as per latest definitions under MSME rules, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria". In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer. If the bidder is a Startup, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria". In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents (DPIIT registration) to prove his eligibility for exemption must be uploaded for evaluation by the buyer.	Yes / No / Explain	
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13	Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1 PLUS 15% of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for 25% (selected by Buyer) percentage of total QUANTITY.	Yes / No / Explain	
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14	Make-In-India (MII) Clause: For this procurement, provisions contained in Government Public Procurement Order No. P-45021/2/2017-PP(BE-II)-Part(4)/Vol.II dated 19.07.2024 its latest directives/amendments thereof shall be followed. Accordingly, you are requested to indicate the percentage of local content in the material, clearly mentioning the details of location(s) at which value addition is made in line with clause 9 to O.M dated 19.07.2024 referred above. It may be noted that Local Content shall not include services such as Transportation, Insurance, Installation, Commissioning, Training and after sales service support like AMC/CMC etc. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in-India) order.	Yes / No / Explain	
15	Bidders shall ensure that for tenders involving supply of multiple items, weighted average of all items to be taken while calculating the local content.	Yes / No / Explain	
16	The Bidder shall give self-certification for local content in the quoted item (goods/works/services) at the time of tendering. However, at the time of execution of the project, for all contracts above INR 10 Crore, the contractor/ supplier shall be required to give local content certification duly certified by cost/chartered accountant in practice. For cases where it is not possible to provide certification by Cost/Chartered Accountant at the time of execution of project, the supplier shall be permitted to provide the certificate for local content from Cost/Chartered Accountant after completion of the contract, within time limit acceptable to the procuring entity. In case the contractor/supplier does not meet the stipulated local content requirement and the category of the supplier changes from Class-I to Class-I or from Class-II to Non-local, a penalty upto 10% of the contract value shall be imposed.	Yes / No / Explain	

17	"Purchase preference to MSE/MII-Class-I local suppliers will be as per notification No.F.1/4/2021-PPD dated 18-05-2023 and its directives/amendments thereof issued by Ministry of Finance, Department of Expenditure, Public Procurement Division".	Yes / No / Explain	
18	Safe delivery of the ordered item with proper transport worthy pack shall be ensured.	Yes / No / Explain	
19	The bidder shall provide compliance to Order No. F.No.7/10/2021 PPD dated 23.02.2023 and amendments thereof by Ministry of Finance, Department of Expenditure, Public Procurement Division regarding restrictions on procurement from a bidder of a country which shares a land border with India and comply to all the provisions of the Order. In this regard, you shall certify that the bidder entity is not from such a country or, is from such a country, has been registered with the Competent Authority as per the format issued along with the tender.	Yes / No / Explain	
20	VALIDITY OF OFFER:[TWO PART BID] Being two part tender, validity of the offers/ tenders should be 120 days from the date of opening of Part-1. Tenders shorter than offer validity mentioned above will not be considered for evaluation.	Yes / No / Explain	
21	Do you have Unique GeM Seller ID? If YES, provide details. If NO, As per Office Memorandum No 6/9/2020-PPD dated 24/08/2020 of Department of Expenditure, it is mandatory for sellers providing Goods and Services to Central Government Organizations to be registered on GeM and obtain a Unique GeM Seller ID, at the time of Placement of Order/acceptance of contract. Tenderers shall ensure the same.	Yes / No / Explain	
22	Please furnish Contact details i.e. Name of the focal point for this tender, E-mail id, Mobile no/ Landline no. etc. for further communication.	Yes / No / Explain	

23	Special conditions against Indian Agents submitting quotations in Foreign Currency. (a) Foreign Principals proforma invoice indicating the commission payable to the Indian Agent and nature of after sales service to be rendered by the Indian Agent. (b) Copy of Agency agreement with the Foreign Principal, precise relationship between them and their mutual interest in the business. (c) The enlistment of the Indian Agent with Director-General of Supplies & Disposals under the Compulsory Registration Scheme of Ministry of Finance.	Yes / No / Explain	
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24	FORCE MAJEURE: A Force Majeure (FM) means extraordinary events or circumstance beyond human control such as an event described as an act of God (like a natural calamity) or events such as a war, strike, riots, crimes (but not including negligence or wrong-doing, predictable/seasonal rain and any other events specifically excluded in the clause). An FM clause in the contract frees both parties from contractual liability or obligation when prevented by such events from fulfilling their obligations under the contract. An FM clause does not excuse non-performance of a party entirely, but only suspends it for the duration of the FM. The firm has to give notice of FM as soon as it occurs (say, not later than 14 days after its occurrence), and it cannot be claimed ex-post facto. There may be a FM situation affecting the purchase organisation only. In such a situation, the purchase organisation is to communicate with the supplier along similar lines as above for further necessary action. If the performance in whole or in part or any obligation under this contract is prevented or delayed by any reason of FM for a period exceeding 90 (Ninety) days, either party may at its option terminate the contract without any financial repercussion on either side. Notwithstanding the punitive provisions contained in the contract for delay or breach of contract, the supplier would not be liable for imposition of any such sanction so long as the delay and/ or failure of the supplier in fulfilling its obligations under the contract is the result of an event covered in the FM clause.	Yes / No / Explain	
25	Compliance to the Technical specifications shall be submitted duly sealed and signed	Yes / No / Explain	
26	This being a domestic tender prices shall be quoted in INR only. Quotations in foreign currency shall be summarily rejected.	Yes / No / Explain	
27	The price quoted shall be firm and fixed till completion of contract period and total scope of work.	Yes / No / Explain	

28	The Purchase Order / Contract shall be governed by Indian Law and jurisdiction shall lie in the Courts of Andhra Pradesh, India.	Yes / No / Explain	
29	Commercial terms and conditions quoted by the vendor in the Commercial Bid (Vendor specified terms) of tender will only be considered. Department will not consider the commercial terms quoted any where else in the tender or in any document attached by the bidder. However, department can consider if the same is beneficial. Counter terms and conditions offered by the bidders shall not be deemed to have been accepted by the Purchaser unless specific written acceptance thereof is obtained from the Purchaser. Bidders are requested to make a note and comply.	Yes / No / Explain	
30	The contractor shall take all safety precautions and ensure the safety of his workmen. SDSC SHAR is not responsible for injury / loss of life due to any accident / explosion during the execution of the contract.	Yes / No / Explain	
31	Remarks, if any:	Yes / No / Explain	

C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Remark
1	WALL PANELS Design, Supply, Erection & Commissioning of modular wall panels & additional modifications in Cleanroom-1 & allied areas in SP2B at SDSC SHAR Sriharikota.	1.00 Unit		-		



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WALL PANELS & ADDITIONAL MODIFICATIONS IN
CLEANROOM-1 & ALLIED AREAS AT SP2B

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PANELS & ADDITIONAL MODIFICATIONS IN CLEANROOM-1 & ALLIED AREAS
IN SP2B AT SDSC SHAR SRIHARIKOTA

INDENT SPECIFICATIONS



SATISH DHAWAN SPACE CENTRE
SRIHARIKOTA -524124.

**SMP & SP****DESIGN, SUPPLY, ERECTION & COMMISSIONING OF MODULAR
WALL PANELS & ADDITIONAL MODIFICATIONS IN
CLEANROOM-1 & ALLIED AREAS AT SP2B**

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INDIAN SPACE RESEARCH ORGANISATION**SPECIFICATIONS FOR DESIGN, SUPPLY, ERECTION & COMMISSIONING
OF MODULAR WALL PANELS & ADDITIONAL MODIFICATIONS IN SP2B
CLEANROOM & ALLIED AREAS AT SDSC SHAR SRIHARIKOTA.**

S.no	Title	Page nos.
1	Introduction	3
2	Section-A General terms and conditions	4 -17
3	Section-B Technical specifications	18 - 31
4	Section-C Drawings, Layouts & anchoring proposals	32- 38
4	Section-D Annexures to be uploaded along with the technical bid.	39 - 48

**DESIGN, SUPPLY, ERECTION & COMMISSIONING OF MODULAR
WALL PANELS & ADDITIONAL MODIFICATIONS IN
CLEANROOM-1 & ALLIED AREAS AT SP2B****1.0 INTRODUCTION**

Satish Dhawan Space Centre (SDSC) SHAR, ISRO is established in Sriharikota, an island in the east coast of India at a distance of about 75 km from Chennai. Satellite Preparation Facility -2B (SP2-B) is the prime Spacecraft preparation facility of SDSC SHAR with three cleanrooms to carry out prelaunch activities of spacecrafts. Interior brick walls and RCC beams and columns surfaces of the cleanrooms in SP2-B are mounted with various electrical panel boxes, pollution monitors, compressed & breathing air lines, fire alarm panel etc. As all these systems are projected on wall surfaces, it is often observed that dust is settling on these surfaces and thereby creating cleanliness issues. In order to maintain better cleanliness and to have better aesthetic look of clean rooms, it is decided to carry out wall paneling and other augmentation works as given in detail below for clean room- 1.

In this regard, SDSC-SHAR invites quotations from reputed firms with proven ability for ***“DESIGN, SUPPLY, ERECTION & COMMISSIONING OF MODULAR WALL PANELS & ADDITIONAL MODIFICATIONS IN CLEANROOM-1 & ALLIED AREAS AT SP2B”*** as per the specifications given in this tender document under **Section-A & Section-B**.

The quotations shall be completely filled in all respects and shall be submitted together with requisite information & annexures as given in **Section-C**. Any offer incomplete in any particulars is liable to be rejected.

The quotation with a complete set of the required documents shall be up-loaded in portal only.



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SECTION -A

GENERAL TERMS AND CONDITIONS

**DESIGN, SUPPLY, ERECTION & COMMISSIONING OF MODULAR
WALL PANELS & ADDITIONAL MODIFICATIONS IN
CLEANROOM-1 & ALLIED AREAS AT SP2B****GENERAL TERMS AND CONDITIONS OF THE CONTRACT****1.0 PREPARATION OF BIDS**

Bids shall be arranged in the following order.

1.1 Part – I: Technical and Un-Priced Commercial Part

Technical and un-priced commercial part shall comprise the attachments, specifying attachment number arranged in the order as follows:

- a) Details of Company / establishment & nature of work.
- b) Bidder shall provide **3 Purchase Order copies** along with the submission of Technical bid for consideration of bid document. Out of these 3 work orders, at least one work order shall be of **minimum 10m height**.
- c) Bidder shall provide 3 Purchase Order copies. Out of these 3 work orders, value of at least one work order shall be **minimum 50 lakhs**, carried out in the past 5 years anywhere in India.
- d) All the annexures shall be enclosed in proposal duly filled, signed and with official seal.
- e) Un-priced copy of schedule of prices with all other commercial terms, taxes, duties, exemption certificates and conditions duly filled (Prices to be kept blank), signed and stamped. Bidder to clearly indicate “quoted” / “not quoted” against each sl.no in the price column in the unpriced schedule.
- f) Technical literature & data sheets of materials like backup structure, material of demountable wall panels, insulation material & glass etc.
- g) Any deviations from technical specification and proposed design modifications.
- h) Any other relevant documents, bidder desires to submit.

**DESIGN, SUPPLY, ERECTION & COMMISSIONING OF MODULAR
WALL PANELS & ADDITIONAL MODIFICATIONS IN
CLEANROOM-1 & ALLIED AREAS AT SP2B****1.2 Part – II: Priced Commercial Bid**

Priced commercial bid shall be filled online in the price bid format in portal. Schedule of prices also are to be filled in the online format.

2.0 Meeting / Site Visit by Vendor:

2.1 Being a complex work & the customized works involved, interested vendor can visit the site prior to quote and the arrival plan can be informed by email to satyach@shar.gov.in & psovalf@shar.gov.in.

2.2 Vendor can also have technical discussion, if needed (before bid closing date) through online mode for which he/she can contact through above mail ids for fixing date of meeting.

2.3 However, vendor shall plan and complete the site visit or online discussion (if needed) much ahead of bid closing date. Site visit and online discussion is not mandatory for participating in the bidding.

Part – I: Un-priced Techno-Commercial Part of the Bid for the Work:

1. Complete Techno - commercial part of the bid shall be uploaded online in portal. Any documents related to technical literature, guarantee / warrantee certificates and any other relevant documents as per the tender shall be scanned and uploaded to the portal.
2. Annexure- 1, 2, 3 & 4 shall be duly signed & uploaded as part of Techno-Commercial bid along with relevant documents as mentioned above Annexures.
3. ***The price breakup (Annexure-5) shall be uploaded in Price bid only. Any price related to offered product in Technical bid, leads to rejection of your offer.***



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4. List of documents to be uploaded along with the Bid:

- A. Vendor General Information Format (**Annexure - 1**).
- B. Bid Qualification Essentials to participate in the bid. (**Annexure - 2**).
- C. Technical specifications Compliance Format (**Annexure - 3**).
- D. List of deviations if any with tender specifications Format (**Annexure - 4**).
- E. As part of technical bid, duly filled, signed and stamped Annexure -1, 2, 3 & 4 as given under SECTION-D shall be uploaded along with relevant catalogues, supporting documents like annual turnover certificates, experience certificates etc.
- F. In the absence of Annexures and supporting documents & technical catalogues, offer will not be considered.
- G. Any exception & deviations from our tender specification shall be reported as per **Annexure - 4** as given under SECTION-D.

Part – II: Price Part of the Bid for the Work

- 1. Price bid shall be filled in the on-line 'price bid' form in portal only.
- 2. However, in addition to above the Annexure-5 shall be filled duly signed & uploaded as part of price bid.
- 3. SDSC SHAR will open Technical Bid, Part – I of the bid on the due date of opening and subject it to evaluation of technical and commercial terms. Price Bid (Part-II) of technically and commercially acceptable offers shall be opened at a later date.
- 4. SDSC SHAR reserves the right to reject any or all the Bids without assigning any reasons thereof.
- 5. Any bids/offers with price details in Techno-Commercial Offer (Part –I) shall be rejected.



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3.0 BID EVALUATION

- 3.1 During technical bid or price bid evaluation, SDSC-SHAR may request bidder for any clarification on the bid or additional documents.
- 3.2 Techno-commercial discussion shall be arranged with bidder, if needed. Bidder shall depute his authorized representatives for attending discussions. The representatives attending the discussions shall produce authorization from his organization to attend the discussion and sign minutes of meeting on behalf of his organization if required. The authorized representative must be competent and empowered to settle/decide on all technical and commercial issues. **However, meeting with purchaser / Site-Visit by vendor before bid-submission is NOT mandatory, if the bidder understood the scope & site conditions of work.**
- 3.3 Bidder must provide the point-by-point compliance to the technical specifications along with deviations as per format “schedule of deviations” attached as Annexure-4. The tender will be rejected, if the deviations are not acceptable to the department.
- 3.4 Performance of bidder on similar nature of works executed/ under execution will be taken into consideration before selecting the bidder for opening his price bid.
- 3.5 The time schedule for completion is given in the proposal document. Bidder is required to confirm the completion period unconditionally.
- 3.6 SDSC SHAR reserves the right to accept a bid other than a lowest and to accept or reject any bid in full or part without assigning any reasons. Such decisions by SDSC SHAR shall bear no liability whatsoever consequent upon such decision.
- 3.7 The bidder, whose bid is accepted by SDSC SHAR, shall be issued Purchase Order (PO) to proceed with the contract. Bidder shall confirm acceptance by returning a signed copy of the PO.



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4.0 INSTALLATION & COMMISSIONING:

4.1. GENERAL CONDITIONS

- 4.1.1 Vendor shall supply all the required material as per the approved drawings within the stipulated date. Once site clearance is issued by purchaser, Vendor shall commence the work at site on the date agreed by SDSC-SHAR.
- 4.1.2. Completion of installation and commissioning shall be completed within **2 months** from the date of site clearance at SHAR as per the Department approved drawings.
- 4.1.3. Any deviations, deficiencies or evidence of unsatisfactory workmanship shall be corrected as instructed by Department.
- 4.1.4 The working hours of SP2B/SHAR are 09:00 hrs to 17.30 hrs and working days are from Monday-Friday. Vendor shall plan to do the work in working hours of SP2B to the maximum extent possible. However, additional working hours or works during Holidays if any required can be carried out with prior approval of Building In-charge.
- 4.1.5. Vendor shall carry out work in a true professional manner and strictly adhere to the approved specifications and drawings.

4.2. RECORDS

Vendor shall maintain records of material, men and equipment at the site pertaining to the work. Quality of material and completed work shall be regularly inspected by the vendor and department engineer regularly and records for the inspections also shall be maintained. Vendor shall also maintain records of attendance of workforce for the entire period of their installation works in SP2B.

4.3. SAFETY

Supplier shall follow the safety regulations / codes and shall take necessary measures at his own cost.



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4.4. WORK RULES AT SDSC SHAR

The installation work shall be carried out at SDSC SHAR only on working days and during office hours. However, based on the demand, vendor shall/can plan works during holidays and beyond office hours for which prior permission to be obtained from the building in-charge.

4.5. SITE CLEARANCE

Upon completion of installation works, supplier shall remove all his equipment and material from the site within one month or time mutually agreed. Supplier at all times shall keep site in clean condition and remove all unwanted material at regular intervals. In case supplier fails to remove all their equipment and material within the mutually agreed time, it is deemed that SDSC SHAR will arrange to remove the same at supplier's cost.

4.6. ACCOMMODATION

4.6.1. Vendor has to make his own arrangement for accommodation of his staff in Sullurpeta, the near-by town as the private accommodation facilities are not available in Sriharikota. However, Accommodation will be provided at Sriharikota subject to availability on chargeable basis by Department.

4.6.2. Supplier shall make their own arrangement for transportation & canteen facility for all his staff.

4.7. MEDICAL FACILITIES

No medical facilities will be provided by SDSC SHAR. Supplier shall make own arrangement at their own expenses for medical facilities for site personnel.

4.8 WORK PROGRAMME

Supplier shall prepare a detailed programme schedule for review / approval by SDSC SHAR. Supplier as per exigencies of work shall revise and update programme periodically.



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4.9. SUB-CONTRACTS

- 4.9.1. Vendor shall not subcontract any part of the work without prior approval of SDSC SHAR.
- 4.9.2. Supplier shall be responsible for the proper execution of any sub-contract placed by him in connection with this purchase order.

5.0 STATUTORY VARIATION

- 5.1 Statutory variation for CGST/SGST/UGST/IGST is applicable, provided the actual completion of services does not occur beyond the period stipulated in the order / contract or any extension (without levy of penalty). For variation after the agreed completion periods, the service provider alone shall bear the impact for the upwards revisions.
- 5.2 For downward revisions, the Department shall be given the benefit of reduction in CGST/SGST/UGST/IGST.

6.0 RISK COVERAGE

The Vendor shall arrange comprehensive risk coverage at his own cost covering the value of equipment including transportation to the site from manufacturer's works, installation and commissioning at site. The period of such coverage shall be up to contractual completion period or any extension granted by Department thereof.

7.0 PACKING AND FORWARDING

The supplier shall arrange to have all the material suitably packed and all packing and transport charges, transit handling costs, transit risk coverage and transport fees of agents employed at the place of delivery or elsewhere, shall be deemed included in the price to be paid to the vendor.



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8.0 WARRANTY

The bidder shall provide **12 months** warranty for the entire work for a defect liability including manufacturing defects, from the date of successful testing & acceptance by Department. Any damage or any deviation noticed with respect to approved drawings during the warranty period shall be rectified by the vendor at free of cost within the time period as specified by SDSC SHAR.

9.0 TERMS OF PAYMENTS

Our payment terms shall be as follows:

- 9.1 50% of PO value plus taxes shall be paid after supply of all items required for wall panelling & other modification works at SDSC-SHAR.
- 9.2 50% of P.O value plus taxes shall be paid after satisfactory erection and commissioning of wall panelling works, doors & glass panels etc.
- 9.3 However, party shall give price break-up for supply and installation clearly mentioning the taxes and charges if any in **Annexure -5 in price bid**.

10.0 MODE OF PAYMENT

Bidders can submit the banker details and payments can be made through PFMS.

11.0 PERFORMANCE BANK GUARANTEE (PBG)

A Bank Guarantee for 03% of the order value shall be provided along with supply towards the performance of the system. PBG may be furnished in the form of Account Payee Demand Draft, Fixed Deposit Receipt from a scheduled commercial Bank, Bank Guarantee (including e-Bank Guarantee) from a scheduled commercial bank executed on Rs.200/- non-judicial stamp paper as per the format issued by SDSC SHAR or online payment in an acceptable form valid till the successful completion of warranty period plus 60 days. This will not carry any interest and shall be returned to you after successful completion of warranty period against your request. In case of non-performance/poor performance the Bank Guarantee shall



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be forfeited or other forms of guarantee shall be encashed. Further appropriate penal and legal action shall also be initiated.

12.0 SECURITY DEPOSIT: If Order value exceeds Rs. 5 Lakhs, Security Deposit shall be submitted at 03% (or as notified by Govt. Of India/ISRO from time to time) of the value of the Purchase Order as per the format issued by the purchaser for satisfactory execution of the Purchase Order/Contract within 15 days of award/PO release. Security Deposit may be furnished in the form of Account Payee Demand Draft, Fixed Deposit Receipt from a scheduled commercial Bank, Bank Guarantee (including e-Bank Guarantee) from a scheduled Commercial bank executed on Rs.200/- non-judicial stamp paper as per the format issued by SDSC SHAR or online payment in an acceptable form and shall be valid for a period of sixty days beyond the date for completion of the Purchase Order/Contract. The bank guarantee or fixed deposit receipt submitted by the tenderer/Contractor shall be verified immediately from the issuing bank.

In case of non-performance/poor performance the Bank Guarantee shall be forfeited and in case the vendor fails to furnish the security deposit within the specified date or extended due date, the Purchase Order/Contract shall be cancelled, EMD, if any, made earlier shall be forfeited or other forms of guarantee shall be encashed. Further appropriate penal and legal action shall also be initiated.

13.0 COMBINED BANK GUARANTEE (Performance Security):

In case, if parties are unable to provide two separate BGs, i.e., one for SD & one for PBG, they can submit a combined BG for SD & PBG for 03% (or as notified by Govt. Of India/ISRO from time to time) of the value of the Purchase Order within 15 days of award/ release of PO as per the format issued by the purchaser. Combined Bank Guarantee may be furnished in the form of Account Payee Demand Draft, Fixed Deposit Receipt from a scheduled commercial Bank, Bank Guarantee (including e-Bank Guarantee) from a scheduled Commercial bank executed on Rs.200/- non-



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judicial stamp paper as per the format issued by SDSC SHAR or online payment in an acceptable form and shall be valid till the completion of total contractual obligation (i.e., Supply period PLUS commissioning period (if applicable) PLUS warranty period PLUS 60 days).

This will not carry any interest and shall be returned to you after successful completion of contractual obligations against your request. In case of non-performance/poor performance the Bank Guarantee shall be forfeited and in case if the vendor fails to furnish the security deposit within the specified date or extended due date, the Purchase Order/Contract liable to be cancelled. In case of non-performance/poor performance the Bank Guarantee shall be forfeited and in case the vendor fails to furnish the security deposit within the specified date or extended due date, the Purchase Order/Contract shall be cancelled, EMD, if any, made earlier shall be forfeited or other forms of guarantee shall be encashed. Further appropriate penal and legal action shall also be initiated.

14.0 DELIVERY & DELIVERY SCHEDULE

- 14.1 Dispatch Instructions shall be strictly followed. Failure to comply with the instructions may result in delay in payment apart from imposing any other charges as may be deemed to fit.
- 14.2 Supplier shall quote for delivery of the equipment FoR SDSC SHAR, Sriharikota.
- 14.3 The Supplier shall be responsible for transporting all the equipment to site and unloading at Purchaser's site (SDSC SHAR). However, Material Handling Equipment support will be extended for unloading of consignment at SP2B, SDSC SHAR, Sriharikota at free of cost. SDSC shall not be responsible for mishandling / damage of any goods.
- 14.4 No material or equipment shall be delivered without obtaining dispatch clearance from SDSC SHAR.



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- 14.5 All the equipment shall be properly packed to avoid any damage during Transportation / handling and any damage found has to be replaced free of cost.
- 14.6 ***Total delivery period for the design, supply, erection and commissioning of all works given in detail in Technical specifications shall be Six months from the date of release of purchase order as given below delivery schedules.***

T0: Date of issue of purchase order

T1: T0+1 month- supply of 2D & 3D architectural drawings by supplier.

T2: T0+2 months-Approval of 2D & 3D architectural drawings by SDSC SHAR

T3: T0+4 months - supply of all the materials at the site.

T4: Site clearance by department.

T5: T4+2 months- Completion of installation and commissioning.

Note: T3 shall be completed within 4 months from T0 and T1&T2 are for reference purpose only. T4 date depends on the availability of clean room due to launch schedules.

15.0 LIQUIDATED DAMAGES

- 15.1 Since delivery is the essence of this order, in case of delay in completion of total scope of work beyond the stipulated delivery period, Liquidated Damage will be levied @ 0.5% per week or part thereof on undelivered portion as pre-estimated damages subject to a maximum of 10% of total order value.

16.0 Make in India Clause

- 16.1 For this procurement, bids from Class-I & class-II Local Suppliers are admissible. hence provisions contained in Public Procurement (Preference to Make in India), Order 2017 issued by Department for Promotion of Industry and Internal Trade (DIPP), Ministry of Commerce & Industries vide letter No.

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P-45021/2/2017-PP(BE-II) dated 04.06.2020 and subsequent amendment & directives shall be followed. Accordingly, offer will be evaluated & processed in conformation with above referred GOI order (Specially mentioned below).

- 16.2 The bidder shall provide compliance and undertaking as per order and hereafter amendments (a) Order no: F.No.6/18/2019 PPD dated 23.07.2020 of Department of Expenditure), Ministry of Finance Under Public procurement division for the General Financial rule (GFRs).
- 16.3 Class-I local supplier means a supplier or service provider, whose goods, service or works offered for procurement, has local content equal to or more than 50%, as defined under order.
- 16.4 Class-II local supplier means a supplier or service provider, whose goods, services or works offered for procurement, has local content more than 20% but less than 50%, as defined under this Order
- 16.5 Verification of local content:
- 16.5.1 The Class I local supplier/ Class- II local supplier at the time to tender, bidding or solicitation shall be required to indicate percentage of local content and provide self-certification that the item offered meets the local content requirement for Class-I local supplier / Class II local supplier as the case may be. They shall also give details of the location(s) at which the local value addition is made.
- 16.5.2 In case bid value is in excess of Rs. 10 Cr., Class-I local supplier /Class-II local supplier shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.
- 16.6 False declarations will be in breach of the code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules (GFR) for which a bidder or its successors can be debarred for up to two years as per Rule 151(iii) of the general Financial Rules along with such other actions as may be permissible under Law.



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- 16.7 A supplier who has been debarred by any procuring entry for violation of this order shall not be eligible for preference under this order for procurement by any other procuring entity for the duration of the debarment.
- 16.8 The percentage of local content should be specifically mentioned in the offer; without which it will be summarily rejected.
- 16.9 Preference will be given to Class-I Local supplier and in their absence, Class-II Local supplier will be considered.

17.0 SCOPE OF ENQUIRY AND GENERAL PROJECT INFORMATION

- 17.1 The scope of this enquiry covers the Design, Supply, Erection & commissioning of wall panelling works & additional modifications at SP2-B cleanroom-1.
- 17.2 It is not the intent to specify completely herein all the details of design, construction of the equipment, fabrication, installation and testing requirements. However, the component / assemblies / equipment shall conform in all respects to high standards of engineering design and workmanship and be capable of performing in continuous commercial operation up to the BIDDER's guarantee ensuring high degree of reliability, ease of operation and maintenance of the equipment in a manner acceptable to the Department who will interpret the meaning of drawings and specifications and shall be entitled to reject any work or material which in his judgement is not in full accordance there with.
- 17.3 In the event of conflict between requirements of any two clauses of the specification documents or requirements of different codes/standards, specified, the more stringent requirement as per the interpretation of the Department shall apply.
- 17.4 All necessary co-ordination with regard to sub-contracted equipment shall be carried-out by the vendor. The Department will communicate only with the vendor for all matters pertaining to this contract.



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SECTION – B

**TECHNICAL SPECIFICATONS FOR DESIGN, SUPPLY, ERECTION &
COMMISSIONING OF MODULAR WALL PANELS & ADDITIONAL
MODIFICATIONS AT SP2B CLEANROOM**

**DESIGN, SUPPLY, ERECTION & COMMISSIONING OF MODULAR
WALL PANELS & ADDITIONAL MODIFICATIONS IN
CLEANROOM-1 & ALLIED AREAS AT SP2B****1.0 Facility Description & need:**

SP2-B is the prime Spacecraft preparation facility of SDSC SHAR with various cleanrooms to carry out prelaunch activities of Spacecrafts. Interior wall surfaces of the cleanrooms in SP2B are mounted with various electrical panel boxes, Pollution monitors, CCTV cameras, compressed & breathing air lines, fire alarm panels etc. All these systems being projected on wall surfaces are causing maintenance and cleanliness issues. In order to overcome above issues and improve aesthetic look of the cleanroom, it is planned to carry out wall panelling and other augmentation works given in detail below for Cleanroom - 1.

2.0 Brief Scope of work:**2.1 Wall panelling works in Cleanroom-1**

- Detailed design & preparation of drawings / layout for metallic backup structure, wall panels and doors indicating panel sizes, description and detailed anchoring scheme. 2D & 3D drawings of the entire work along with bill of materials, detailed specifications and make/brand of the materials shall be supplied for approval before commencement of works.
- Supply of all materials viz. metallic backup structure raw materials, wall panels, tools, consumables etc. to SP2-B/SDSC SHAR.
- Erection of metallic backup structure on cleanroom walls as per site requirements.
- Installation of demountable modular progressive type cleanroom wall panels duly powder coated (epoxy polyester) with NLT 60 microns. Sandwich Panels shall be plain and made up of double skin of minimum **1.0 mm** thick Galvanized/GPSP steel sheets infill with rigid **rockwool** of density NLT 98 ± 2 Kg/Cum, fire rating for at least 2 hours (certified by National testing institute) with Al / GI peripheral frames on all sides with necessary accessories like powder coated GI base runners, Aluminium/GI extruded connecting profiles, anchor fasteners, screws, rivets, weather proof RTV silicon sealant etc in cleanroom-1 and entrance corridor of cleanroom-1. Panel overall thickness shall be minimum 80 mm for cleanroom-1.



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However as per site conditions slight variations is possible in the use of panels in corridor which need to be taken care during design phase.

- Suitable Covings, air conditioning grills (wall mounted) and Air risers shall be added as per the approved drawings and all gaps shall be sealed with silicon sealant as per industry standards. **False ceiling is not in the scope of supplier** and already exists. Modular panel with necessary stiffeners to take return air duct risers / service lines for AC / Electrical works shall be provided as directed by Department as per site requirements.
- Extruded aluminium powder coated clip-on type coving with suitable radius (wall to wall, Wall to ceiling & wall to floor) as per site requirements.
- Provision of easily openable (preferably sliding) panels / doors as per site condition at a few locations for essential utility items like electrical junction boxes, compressed / breathing Air, crane & sliding doors powers etc. Suitable cut out and embedment for taking service lines/ducts shall be provided as per site requirements. Any additional frame works required shall be provided at No extra cost. Infill material shall be factory sealed and shall not be exposed at any cost.
- CCTV cameras shall be either projected from wall or enclosed with easily openable hermetically sealed double glazed glass panel as per site requirements ensuring no blockage of views depending on site conditions.
- Total area of wall panelling in Clean room is approximately 1275 sq.m.

2.2 Installation of LED group IIC light fittings in Cleanroom-1

Installation of new LED Group IIC light fittings flushed with wall panel surface and cable routing in trays and connections to our existing distribution box. **(Lights & Cables will be free issued by Department).**

2.3 Viewing glass panels for Cleanroom-1

- Supply and replacement of existing viewing glass panels with new hermetically sealed double glazed viewing panel with 6 mm thick toughened glass panels including necessary profiles, desiccant, metallic peripheral frames, sealing and

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accessories as per industry standards in viewing gallery (Glass Size: 7.38 m x 1.66 m and 6.68 m X 1.66 m) at first floor & Ground floor (Glass Size: 1.8 m X 1.2 m) in Cleanroom-1.

- Installation of one additional viewing glass panel with hermetically sealed double-glazed vision panel with 6 mm thick toughened glass panels including necessary profiles, desiccant, metallic peripheral frames, sealing and accessories as per industry standards in viewing gallery at Ground floor (Glass Size: 2 m X 1.2m) in Cleanroom-1.

2.4 Entry doors with shutters and frames in Cleanroom-1 and corridor area.

- Supply and installation / replacement of existing cleanroom entry doors with atleast 2 hours fire rated doors in clean rooms designed to fit flush into the wall panel system on both sides and are supplied in different dimensions as per technical specifications. Doors shall be fabricated from galvanized iron sheets duly epoxy polyester powder coated filled with Rockwool material. Shutter has sheet thickness of NLT 0.8mm and the frame of NLT 1.2 mm. Standard 50 mm panel has frame width of 50 mm & shutter width of 46 mm including all accessories like stainless steel D-handle, steel hinges push plates made of Stainless steel on push side, Arm door closure, View panel along with self-adhesive tape & silicon sealant and both side locking arrangements etc.

2.5 Wall panelling works in the corridor area.

- Supply and installation of Wall panels in the corridor area with coving with walls to roof and walls to floor. These panels can be planned without backup structure to have more usable area.
- Sandwich Panels shall be plain and made up of double skin of minimum 1.0 mm thick Epoxy polyester powder coated Galvanized steel/GPSP sheet infill with rigid rockwool of density $NLT 98 \pm 2 \text{ Kg/Cum}$, fire rating for at least 2 hours (certified by National testing institute) with Al / GI peripheral frames on all sides with necessary accessories like powder coated GI base runners, Aluminium extruded

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connecting profiles, anchor fasteners, screws, rivets, weatherproof RTV silicon sealant etc.

- As part of the wall panelling works in corridor area, vendor shall close Two nos. of 1.0mx2.1m doors with panels and Install viewing glass panel of size: 1mx1m in each door with hermetically sealed double glazed vision panel with 6 mm thick toughened glass panels including necessary profiles, desiccant, metallic peripheral frames, sealing and accessories as per industry standards in corridor area as part of wall panelling in the corridor. All necessary arrangements are to be provided in wall of Cleanroom by breaking the existing wall.
- False ceiling in corridor area is not in the scope of the vendor.
- Total area of wall panelling in Corridor area is approximately **180 sq.m.**

3.0 Detailed Specifications**A. Wall Panelling works in Cleanroom-1 & Corridor area.**

3.1 Major quantity of works is proposed to be carried out in cleanroom-1 of SDSC having dimensions of 20 x 20 x 16.5m height. In addition to this, minor wall panelling & modification works are proposed in entrance corridor. Layout detailing Cleanroom-1 & corridor is provided in Section-C for reference by vendor. However, after issue of work order, site visits may be planned to assess the actual work involved and dimensions measurements before drawings finalisation and execution.

3.2 Wall panel shall be **Demountable Modular Progressive** type suitable for cleanrooms. It should be duly **Epoxy polyester powder coated with NLT 60 microns**. Sandwich Panels shall be plain and made up of double skin of minimum **1.0 mm thick Galvanized steel /GPSP sheet** infill with rigid **rockwool of density NLT 98 $\pm$ 2 Kg/Cum, fire rating for atleast 2 hours** (certified by National testing institute) with Al / GI peripheral frames on all sides with necessary accessories like powder coated GI base runners, Aluminium/GI extruded connecting profiles, anchor fasteners, screws, rivets, weatherproof RTV silicon sealant etc. Panel overall



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thickness shall be minimum 80 mm for cleanroom-1 up to 14m height and 50mm for above the height up to false ceiling.

3.3 The size of each demountable modular wall panel in clean room shall be 1000-1500 mm width x 3000-6000mm height (Approx) except at edges & openable panels (preferably sliding) where the vendor has to make size adjustments as per site requirement. For panel selection in the corridor, vendor can decide the size (minimum 50mm) as per site requirements with Approval of Department.

3.4 Each panel shall be firmly anchored to the GI/Aluminum metallic backup structure to avoid falling. The back up structure shall be made of steel/ aluminium with powder coated or GI coated.

3.5 Wherever wall panels are directly fixed to wall surface without any backup structure (Ex: South wall, behind sliding door, on column surfaces, corridor), panel shall be fixed to wall surface at least at 4 locations to avoid falling.

3.6 The maximum projection on wall surfaces in cleanroom is approximately **400mm**. Wall panels along with metallic backup structure shall not be more than **400mm** (± 10 mm) from existing wall surface.

3.7 On North & West wall, maximum number of projections (up to 400mm from wall surface) are available. However, a 450mm width wall panel enclosing all the projections cannot be installed on these walls due to presence of AC return air duct trench on floor. Only about 200mm floor width is available for bearing the load of entire wall panels on these 2 walls along its length.

3.8 One proposal has been worked out to overcome the above-mentioned issue provided in detail in Section-C. The vendor has to study the proposals for West &



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North wall panelling. Vendor is free to propose any other solution with the concurrence & clearance by facility representatives at no extra cost.

3.9 A detailed design report providing technical information about the anchoring of wall panel backup structure with existing wall & floor along with anchoring proposal on North & west wall shall be provided to the facility representatives for review. The same will be reviewed by SHAR design team & works shall be commenced only after clearance from the same.

3.10 (a) An easily openable wall panel / door (preferably sliding) shall be provided at few locations to access electrical junction boxes, compressed & breathing air control units etc.

3.10 (b) Pollution sensors inside the cleanroom (west wall) shall be enclosed with an easily openable wall panel. The same shall be provided with a perforated SS sheet/SS grills / SS mesh at the bottom to allow communication of cleanroom air for pollution detection. A toughened glass view panel shall be provided for the same to view pollution levels. A toughened glass view panel shall also be provided for viewing Fire detection alarm display on North wall.

3.11 In addition to cleanroom wall surfaces, wall panels have to be provided in the entry corridor also. However, here, no backup structure is required. Wall panels shall be directly fixed to wall surface to have more usable space.

3.12 Access to elevated heights during panel fixing at our site is in the scope of the supplier only. **Required scaffolding /access platforms shall be arranged by the vendor only. The cost required for the same shall be accounted for by the vendor and added in the bid cost.** However, SDSC will provide ladders & any other platforms (max.2.0m - 4.0m height for single person usage) - 2nos. depending upon occupancy & availability.



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3.13 Suitable cut-outs and embedment for taking service lines/ power sockets /end connections shall be provided as per site requirements. Additional frame works required for the same shall be provided at no extra cost.

3.14 All the materials used for metallic backup structure, panels, insulation material inside panel, glass panels etc. shall be suitable for ZONE-II hazardous environment.

3.15 As the cleanliness in the cleanroom and safety of the workforce and satellites inside cleanroom are paramount aspects, utmost care shall be taken in the design, selection of material and installation stages.

3.16 As this cleanroom is meant for usage by national and international satellite customers, the quality of materials used, installation and final finish of the work shall meet international cleanroom standards.

B. Electrical Installation Works Specification

Electrical works for wall panelling consists of installation of 200W Flameproof Gr IIC Non-Integral LED light fittings and LED driver enclosures, cable tray / truss erection, cable laying, glanding and termination handing over of the complete system as per the following Specification. **Required items will be issued by the Department at free of cost except cable tray / truss and lugs.**

3.17 Details of free issue materials provided by the Department:

S.No	Item Description	Quantity
1.1	Non-Integral flameproof Group IIC 200 W LED flood light fittings	50 Nos
1.2	Flameproof control gearbox suitable for above 200W LED flood light fitting:	50 Nos



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1.3	3Cx2.5sqmm Copper Conductor XLPE insulated Armoured power Cable required for a. Connecting Light fitting with the Gearbox b. Connecting Gearbox with the Existing 6-way Flameproof Lighting distribution board present in the clean room.	Lot (Approximately 1000 m)
1.4	Flameproof Double compression Glands for a. Flood light fitting b. Control Gearbox c. 6-way Flameproof Lighting distribution board	Lot

3.18 Vendor Scope:

S.No	Item Description	Quantity
2.1	Installation of Non integral 200W Flameproof Gr-IIC LED Light fittings	50 Nos
2.2	Installation of Flameproof control gearbox suitable for above 200W LED flood light fitting:	50 Nos
2.3	Cable Laying and termination of 3Cx2.5 sqmm Copper Conductor XLPE insulated Armoured power Cable a. For Connecting Light fitting with the Gearbox b. For Connecting Gearbox with the Existing 6-way Flameproof Lighting distribution board present in the clean room	Lot (Approximately 1000 m)
2.4	Supply & Installation of suitable cable tray / truss to support the above cable mentioned in 1.3	As per requirement
2.5	Supply & termination of Suitable 2.5 sqmm Ring/Pin type copper lugs	Approximately 800nos



3.18 Installation of 200W Flameproof Gr-IIC LED Light fittings on the clean room walls

- a) A total number of around 50 Nos new 200W Flameproof Gr-IIC Non integral LED Light fittings to be provided on the walls with almost equal spacing to meet the 300 Lux (minimum). Vendor may propose in a better way to meet the 300 Lux. Light fittings will be positioned approximately between 6m to 10m from ground level.
- b) These light fittings are non-integral type fittings i.e. distance between light fitting and driver enclosure will be around 5 m. LED light fitting and driver enclosure mounting shall be accessible for maintenance. Suitable support from the wall/ wall panel shall be derived for mounting the above two items. **Associated ISMC Angle/channels shall be supplied by the vendor only.** Suitable cut out shall be made in the wall panel for LED light fitting & driver. For maintaining cleanliness toughened glass may be provided for LED light fitting.
- c) Cable laying works: From the LED light fitting to the LED driver enclosure and LED driver to the existing lighting distribution board cable laying will be in the vendor scope. (Flameproof distribution board will be already available inside the clean room). Suitable cable tray / truss shall be made for proper clamping of cables. This cable tray / truss shall be routed from all Light fittings to the 6-way Flameproof lighting distribution board. Cable tray / truss to be laid back side of the wall panels with secure alignment and proper fixing. Cables/Cable tray should not expose outside of the wall panel. Size of the cable is 4C/3Cx2.5 sq.mm.
- d) Cable glanding and termination to the light fitting, driver and lighting distribution board will be in the vendor scope. Double compression glands will be issued by the department.



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3.19 Light fittings Layout Submission and Field Adjustments

- The vendor can suggest the suitable lighting layout based on the shared clean room dimensions.
- The vendor can make any necessary adjustments on-site as per field requirements.
- Verify operation of LED fittings by powering them from the distribution board.
- All the civil and electrical work involved for installation of lights is in the scope of vendor only. Department electrical personnel will provide necessary guidance to do the electrical routing.

C. Entry doors & Viewing glass panels

3.20 The scope of work also involves replacement of existing cleanroom entry doors with epoxy polyester powder coated galvanised steel/GPSP sheet insulated doors including metallic peripheral frame to be embedded into wall. All doors shall have a see-through glass panel to view activity inside cleanroom and also Stainless-steel door handles (except emergency exit door). The size, details & quantity of doors is as follows. The details are further provided in drawings also. All the doors shall be provided with locks and Three nos. of keys shall be supplied for each door.

S. No	Description	Size	Quantity (Nos.)
1.	Personnel Entry door (With locking provision and hydraulic closure)	2.1m x 1.0m	7
2.	Personnel Entry door (With locking provision & hydraulic closure)	2.1x1.2m	1
3.	Personnel Entry door (With locking provision & hydraulic closure)	2.1x1.5m (Double leaf)	1
4.	Emergency Exit door (With Anti-panic exit push bar & hydraulic closure)	2.1m x 1.0m	2
5.	Swing doors for temperature stabilization room (with rubber flap on bottom to avoid water, dust & insects' entry)	4m x 4m (Double leaf)	2



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- 3.21** Replacement of existing viewing glass panels with hermetically sealed double glazed vision panel with 6 mm thick toughened glass panels including necessary profiles, desiccant, metallic peripheral frames, sealing and accessories as per industry standards in viewing gallery (Glass Size: 7.38 m x 1.66 m and 6.68 m X 1.66 m) at first floor & Ground floor (Glass Size: 1.8 m X 1.2 m) in Cleanroom-1.
- 3.22** Installation of one additional viewing glass panel with hermetically sealed double glazed vision panel with 6 mm thick toughened glass panels including necessary profiles, desiccant, metallic peripheral frames, sealing and accessories as per industry standards in viewing gallery at Ground floor (Glass Size: 2 m X 1.2m) in Cleanroom-1. All necessary arrangements is to be provided in wall of Cleanroom by breaking the existing wall. Breaking of existing wall, installation of toughened glass view panel is the scope of vendor only.
- 3.23** Installation of Two viewing glass panels of size: 1mx1m each with hermetically sealed double glazed vision panel with 6 mm thick toughened glass panels including necessary profiles, desiccant, metallic peripheral frames, sealing and accessories as per industry standards in corridor area as part of wall panelling in the corridor. All necessary arrangements is to be provided in wall of Cleanroom by breaking the existing wall. Breaking of existing wall, installation of toughened glass view panel is the scope of vendor only.
- 3.24** The civil works including finishing masonry work involved in removal of old entry doors & glasses and installation of new entry doors & glasses is in the scope of vendor only.



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3.25 After completion of installation of new entry doors & glass panels, the vendor has to apply 2 coats of PU finish paint on the finishing masonry works at the edges.

4.0 General Conditions

- 4.1** The manpower required to carry out all the above works is in the scope of vendor only. Transportation of the working personnel daily to SP2B & accommodation of the same is in the scope of vendor only.
- 4.2** All personnel employed to carry out the work in SP2B shall have insurance and fulfil all other requirements as mandated by latest labour laws.
- 4.3** Any damage caused to the assets of SDSC during installation work by the work force employed by the vendor shall be rectified by the vendor at no extra cost.
- 4.4** For the installation, all the required access platforms, scaffolding shall be arranged by the vendor and the cost towards the same shall be included in the quoted price. Two nos. of access ladders of max.4m height will be provided by purchaser for single person use depending upon the availability.
- 4.5** **Department will provide compressed air, water and electricity at free of cost for installation works. However, for electricity required junction boxes, cables and switches shall be arranged by the vendor and same shall be inspected and cleared by the purchaser before their use.**
- 4.6** Once installation work is commenced, the vendor shall complete all the works as per the approved drawings and terms and conditions of PO within Two months and handover the cleanroom. To meet this completion dates, vendor shall plan additional manpower and ready to work beyond office hours and holidays to reduce shutdown time of cleanroom so as to meet busy launch campaign schedules. Depending upon the launch programmes, installation works may have to be carried out in Two slots of each one month and same will be informed by SDSC in advance of One week.
- 4.7** Vendor team shall strictly abide by all the safety and security guidelines prevailing in SDSC during working.



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- 4.8** Department will provide necessary fork lift/trailer/crane for unloading of wall panelling materials and equipments upon its receipt at SDSC-SHAR at free of cost. Necessary manpower, tackles/fixtures shall be arranged by the supplier for unloading.
- 4.9** Order will be placed on one vendor for supply and installation. Splitting of purchase order for supply and installation is not allowed.
- 4.10** Vendor shall submit to the department one sample of wall panel of size 1mx1m before proceeding with production of full quantity to assess the quality, finish etc. Department clearances need to be obtained for the same.

5.0 Warranty:

Vendor shall provide a minimum Warranty of 1 year for the wall panelling & additional modification works from the date of commissioning & acceptance by user. During this period, any defect related to design, materials, workmanship error, shall be rectified by vendor at free of cost.



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SECTION –C

- 1.0 Layout, drawings, views & expected 3D renders of Cleanroom-1 & allied areas
- &
- 2.0 Proposals for anchoring of wall Panels on North & West Wall



1.0 Layout of CLEANROOM-1

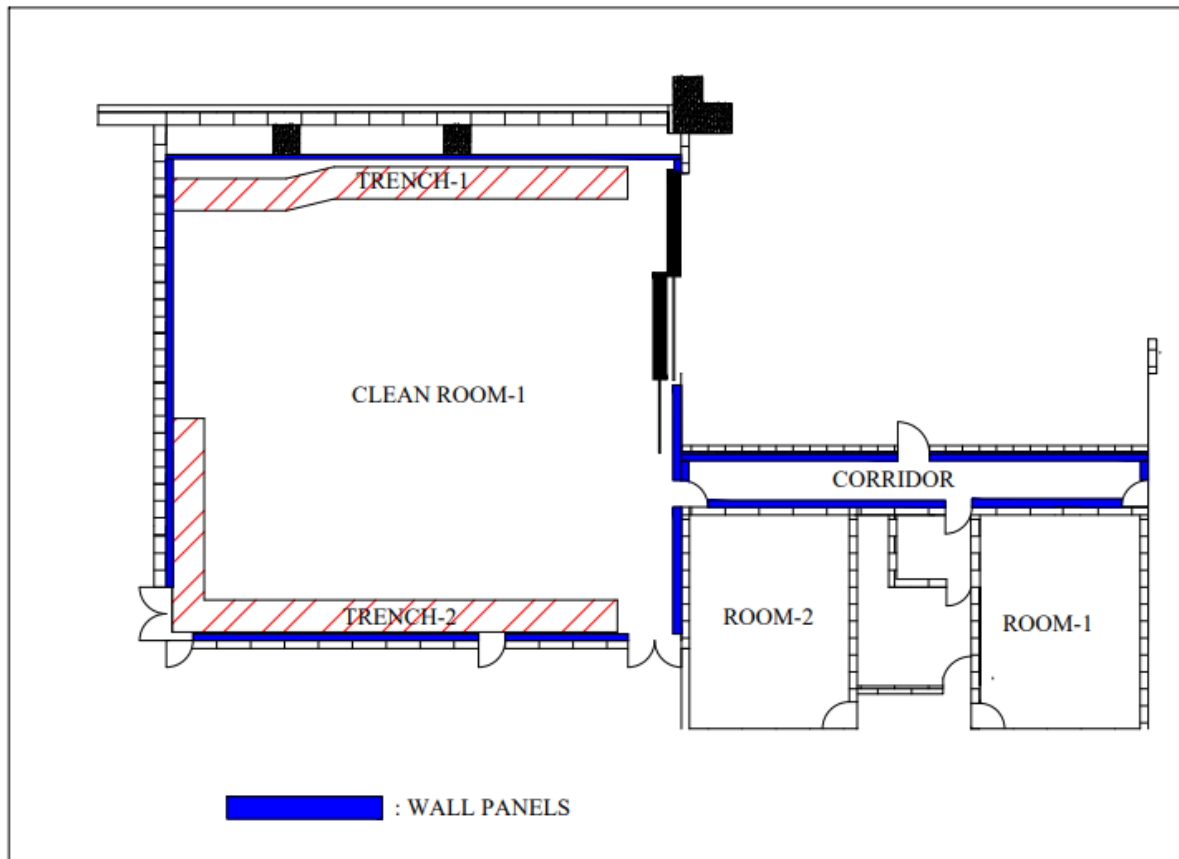


Fig1: Cleanroom Layout with wall panel works area marked



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Fig 2(a): West Wall (Render view)

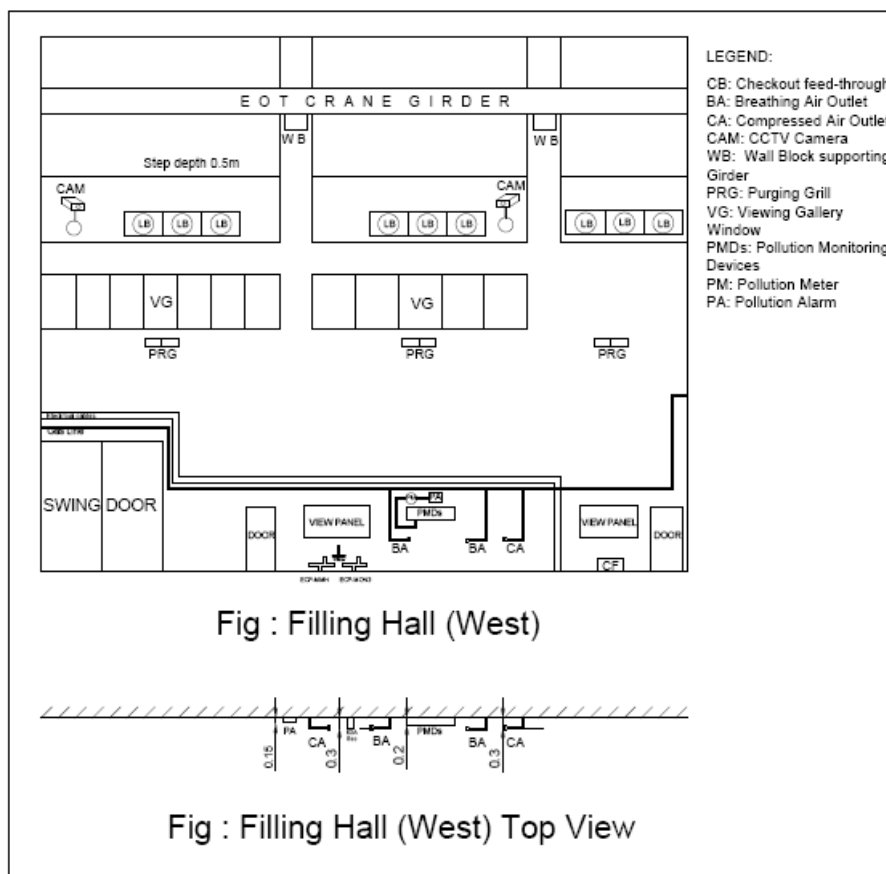


Fig 2 (b) : West Wall elevation with dimensions & nomenclature

* All dimensions are in meters.



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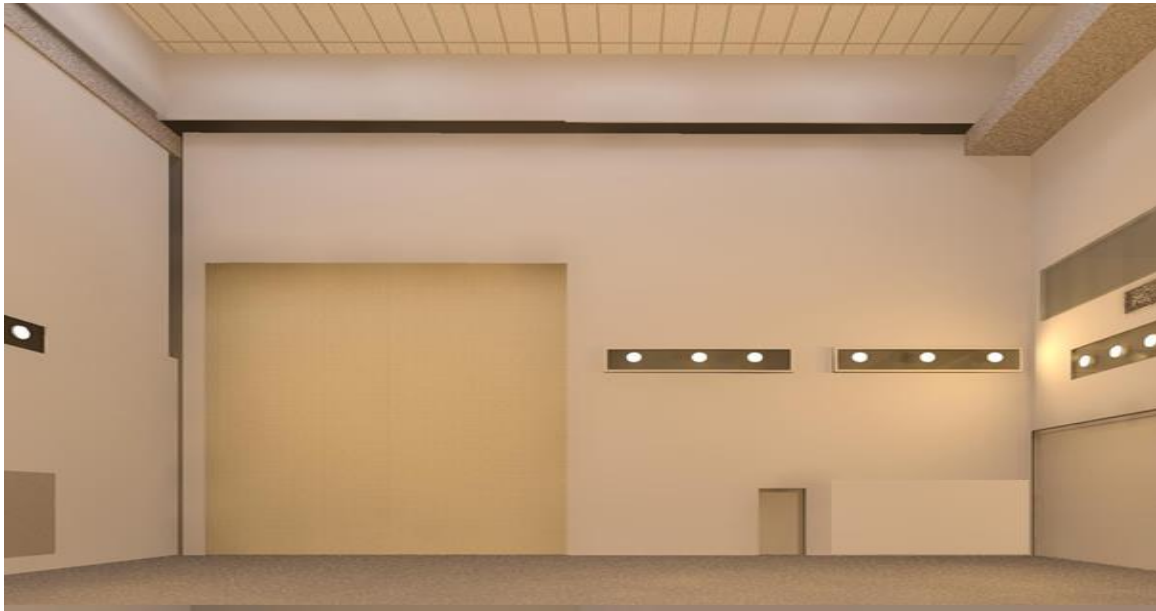


Fig 3 (a): South Wall view (Render view)

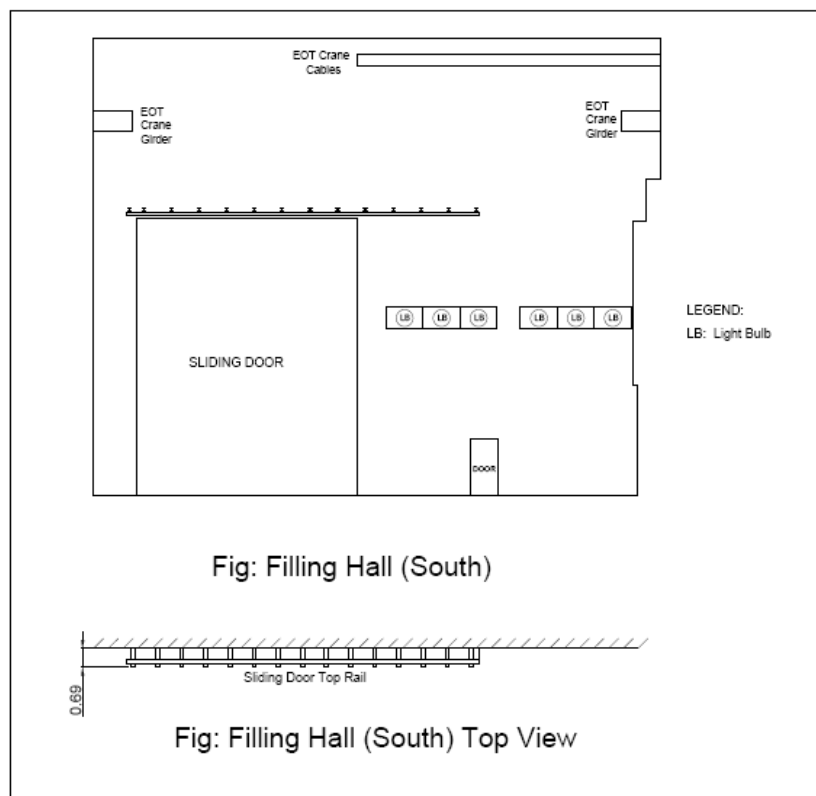


Fig 3 (b): South Wall plan & elevation with dimensions & nomenclature

* All dimensions are in meters



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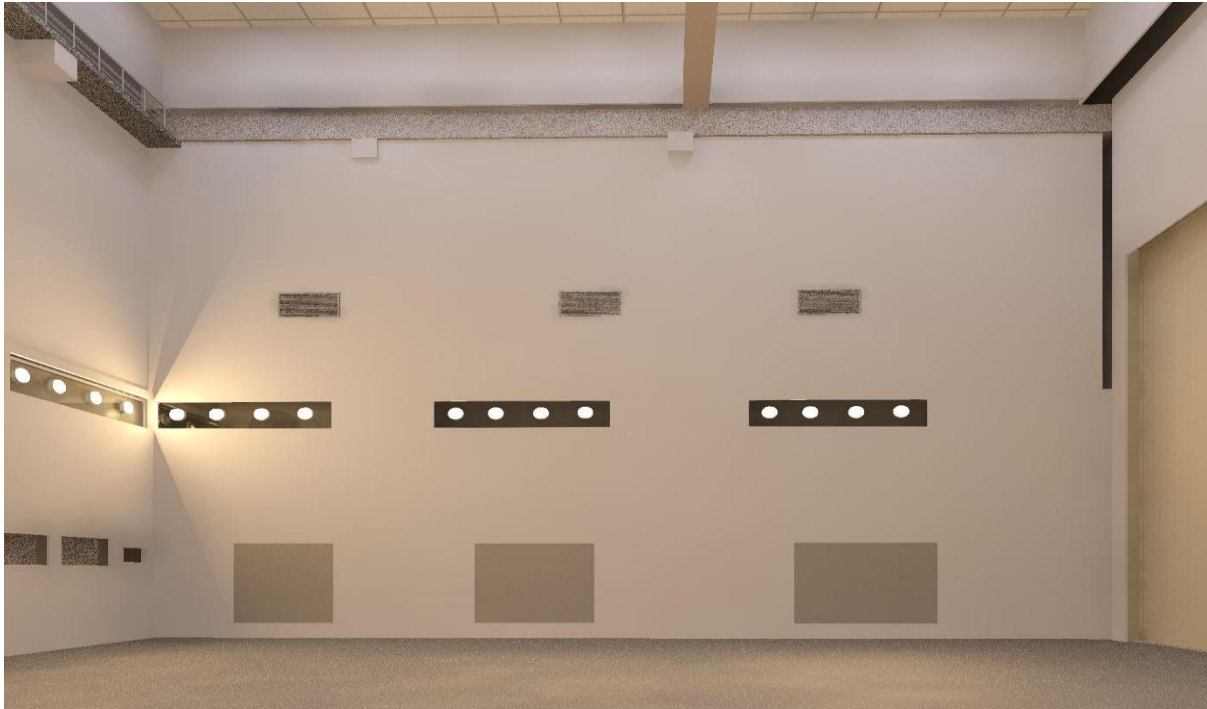


Fig 4 (a): East Wall view (Render view)

* Openable (Preferably sliding) panels shall be provided for utility of Electrical / Checkout junction boxes.

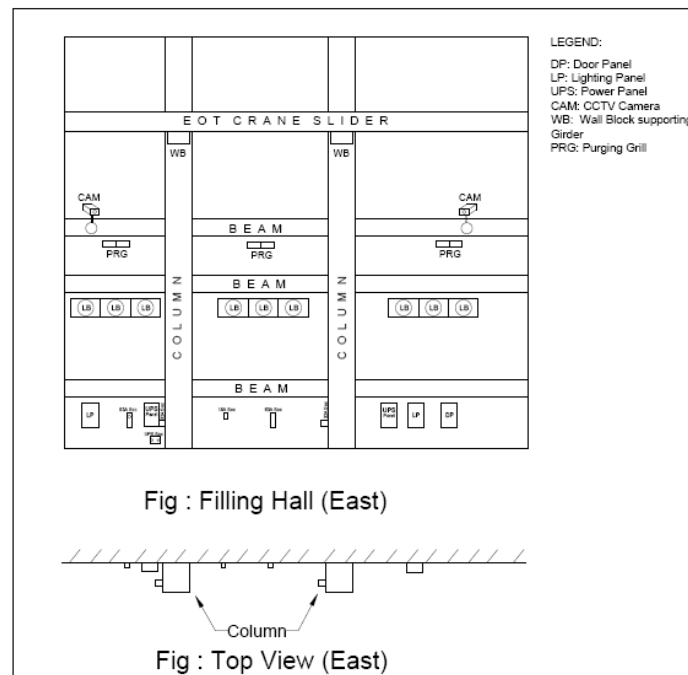


Fig 4 (b): East Wall plan & elevation with dimensions & nomenclature

* All dimensions are in meters



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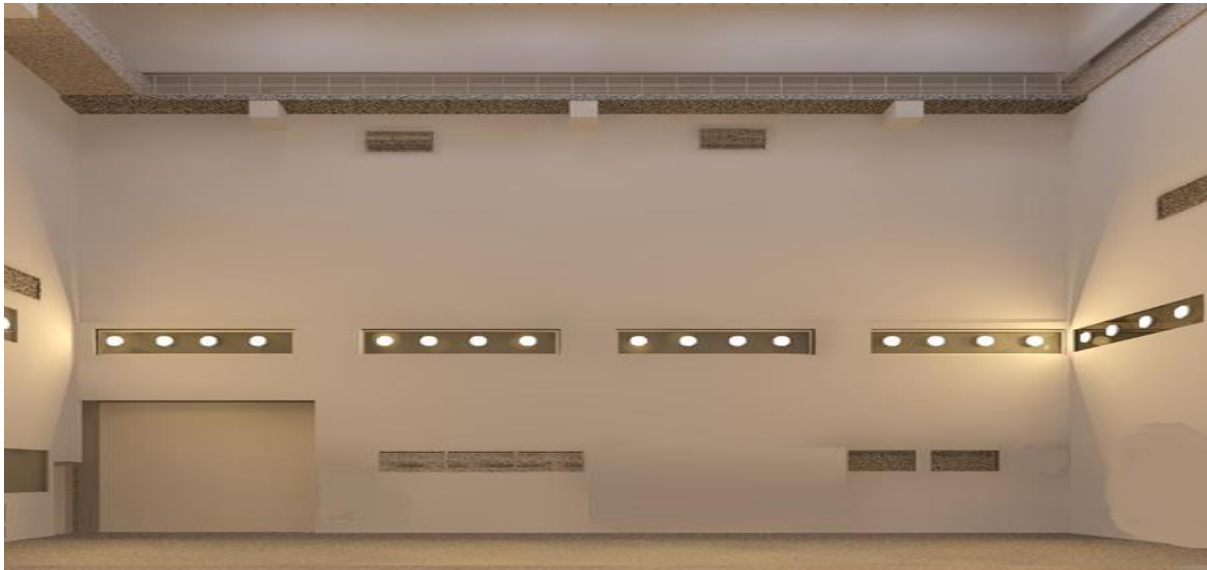


Fig 5(a): North Wall view (Render view)

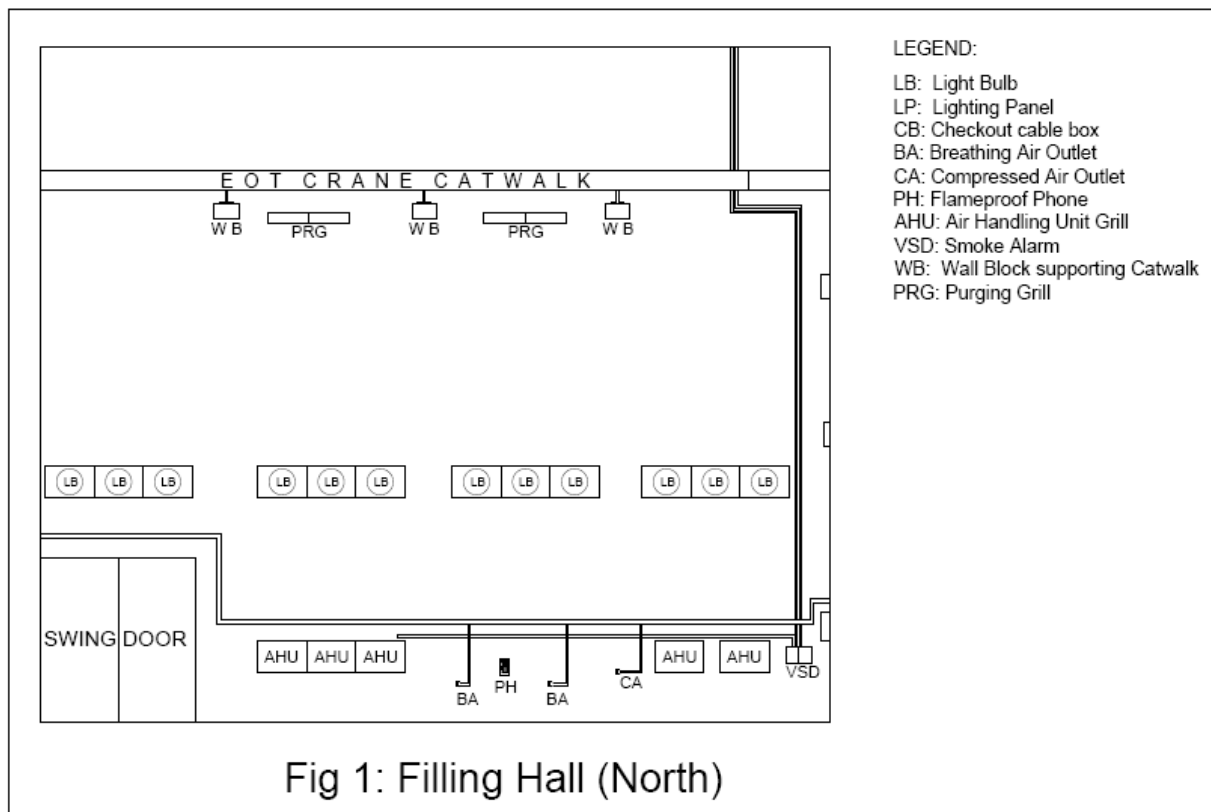
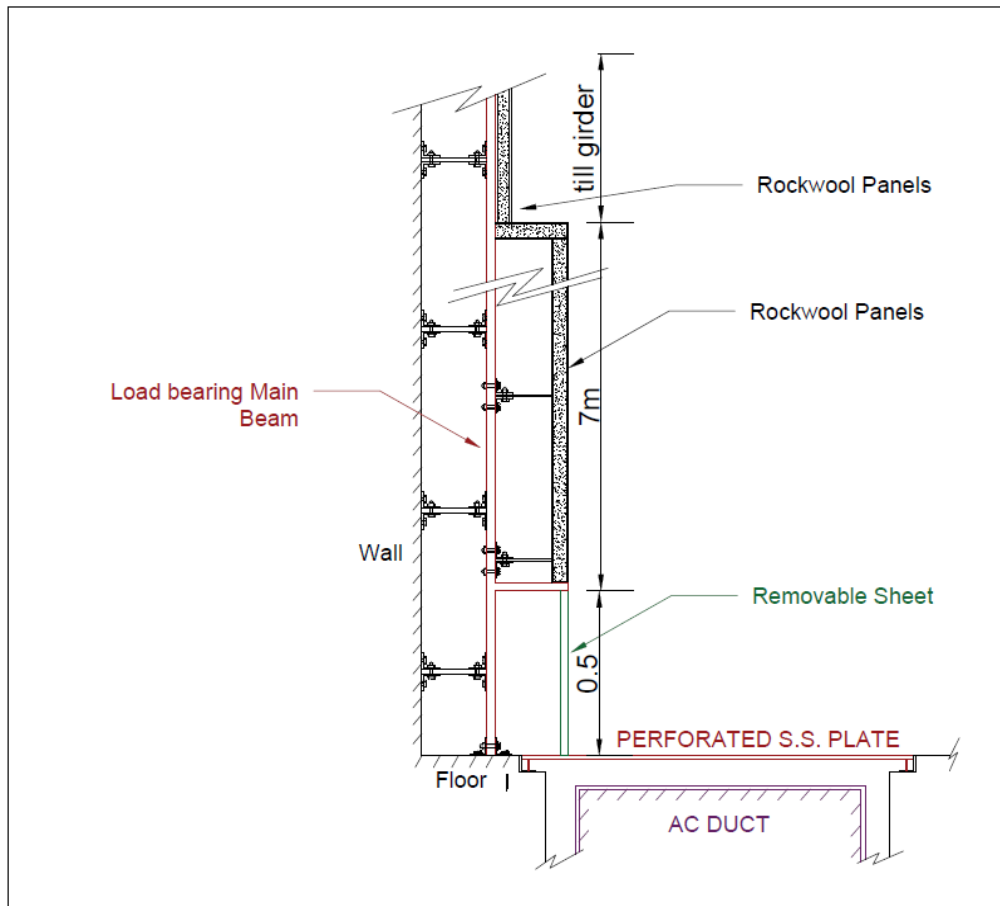


Fig 5 (b): North Wall elevation with projection details & nomenclature



2.0 Proposals for anchoring of wall Panels on North & West Wall

Option-1



- No load is transferred on to trench plate covers.
- Backup structure is anchored to wall surface & floor.
- Wall panels start from an elevated height of 500 mm to allow removal of SS trench cover plates.
- The gap of 500 mm from floor level will be covered with a removal Galvalume sheet of 1mm thickness.



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SECTION –D

LIST OF ANNEXURES TO BE UPLOADED ALONG WITH THE BID

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Annexure-1**A. VENDOR GENERAL INFORMATION FORMAT**

SL. NO.	DESCRIPTION	REMARKS
1	Name of Company	
2	Address of Company	
3	Type of Company (Proprietary/Pvt. Ltd/Public Ltd/Joint Venture/Consortium)	
4	Registration number	
5	Year of inception of the company	
6	Registered address	
7	Name & Designation of the officer of the Bidder to whom all correspondence shall be made for expeditors technical /commercial co ordination Telephone No Email address	
8.	Major customers (Enclose copies of the Purchase Orders)	
9.	Orders executed during last 10 years, Mentioned. (Separate sheet can be attached).	

SIGNATURE: _____

NAME: _____

DESIGNATION: _____

DATE _____

SEAL OF THE COMPANY



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Annexure-2

BID QUALIFICATION ESSENTIALS TO PARTICIPATE IN BID

Sl. No.	Details to be confirmed and submitted along with offer	Supplier's confirmation/ acceptance
1	<u>Technical Qualification Requirements:</u> The bidder should meet the following technical qualifying requirements and shall submit relevant certificates to establish his credentials.	
1.1	The Bidder should be an organization with experience in having executed contracts for Design, Supply, Erection & commissioning of wall paneling works in high rise buildings for the last 5 Years. <u>In support of this relevant technical catalogues/broachers shall be furnished along with the technical bid.</u>	
1.2	The firm should have successfully completed Design, Supply , Erection & Commissioning of wall panels in high rise buildings in the past 5 years. Bidder shall provide 3 Purchase Order copies along with the submission of Technical bid for consideration of bid document. <i>Out of these 3 work orders, at least one work order shall be of minimum 10m height.</i>	
1.3	Bidder shall have their own resources like factory area work, manpower, machinery, quality system etc. Details shall be furnished.	
2	<u>Financial Qualification Requirements:</u> The bidder should also meet the following financial qualification requirements:	
2.1	The Bidder should have annual average turnover of not less than a value of INR 100 lakhs for the last three financial years. <u>Bidder shall attach Financial Statements for the financial years as part of</u>	



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	<u>technical bid.</u>	
2.2	Bidder shall provide 3 Purchase Order copies. Out of these 3 work orders, value of at least one work order shall be minimum 50 lakhs , carried out in the past 5 years anywhere in India.	
2.3	Bidder should possess a current Solvency Certificate for at least Rs. 10 lakhs from Nationalized Bank for the value of offered price in the current financial year. <u>Bidder shall attach Solvency certificate along with the technical bid.</u>	

SIGNATURE: _____

NAME: _____

DESIGNATION: _____

DATE _____

SEAL OF THE COMPANY



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Annexure-3

Compliance of Technical specifications by bidder

Sl. No.	Description	Supplier's compliance
1.	Design, supply, erection & commissioning of modular wall panels & additional modifications in Cleanroom-1 & allied areas in SP2B at SDSC-SHAR as per technical specifications.	
2.	Detailed design & preparation of drawings / layout for metallic backup structure, wall panels and doors indicating panel sizes, description and detailed anchoring scheme. 2D & 3D model of the entire work along with makes/brands and salient specifications of all the components shall be supplied for approval before commencement of works.	
3.	Supply of all materials viz. metallic backup structure raw materials, wall panels, tools etc. to SP2-B/SDSC SHAR as per the delivery period given in our tender specifications.	
4.	Erection of metallic backup structure (Steel with powder coated/Galvanised/Aluminum) on clean room walls as per site requirements and approved drawings and tender specifications as applicable.	
5.	Supply, erection & installation of demountable modular progressive type clean room plain wall panels duly epoxy polyester powder coated with NLT 60 microns. Sandwich Panels shall be made up of double skin of minimum 1.0 mm thick Galvanized steel/GPSP sheets infill with rigid rockwool of density NLT 98 ± 2 Kg/Cum, fire rating for at least 2 hours (certified by National testing institute) with Al / GI peripheral frames on all sides with necessary accessories like powder coated GI base runners, Aluminium/GI extruded connecting profiles, anchor fasteners, screws, rivets, weather proof RTV silicon sealant etc in Cleanroom-1 & entrance corridor of cleanroom-1. Panel overall thickness shall be minimum 80 mm for Cleanroom-1 up to 14m height and minimum 50mm above the height up to false ceiling. Panel overall thickness shall be minimum 50 mm for corridor area and backup structure shall be planned as per site	



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	conditions.	
6.	The size of each demountable modular wall panel in Clean room-1 shall be 1000-1500 mm width x 3000-6000 mm height (Approx) except at edges & openable panels (preferably sliding) where the vendor has to make size adjustments as per site requirement. In the corridor, vendor can decide the size as per site requirements. It is preferable to have less number of joints.	
7.	Suitable Covings, air conditioning grills (wall mounted) and Air risers shall be added as per the approved drawings and all gaps shall be sealed with silicon sealant as per industry standards. Modular panel with necessary stiffeners to take return air duct risers / service lines for AC / Electrical works shall be provided as directed by Department as per site requirements. SS mesh has to be fixed over the air conditioning duct over which grills need to be fixed.	
8.	Extruded aluminium/GI powder coated clip on type coving with suitable radius (wall to wall, Wall to ceiling corners & wall to floor) as per site requirements.	
9.	Provision of easily openable (preferably sliding) panels / door as per site condition at a few locations for essential utility items like electrical junction boxes, compressed / breathing Air, crane & sliding doors powers etc. Suitable cut out and embedment for taking service lines / ducts shall be provided as per site requirements. Any additional frame works required shall be provided at No extra cost.	
10.	Installation of Electrical Systems as per specifications.	
11.	Replacement of existing viewing glass panels with hermetically sealed double-glazed vision panel with 6 mm thick toughened glass panels including necessary profiles, desiccant, metallic peripheral frames, sealing and accessories as per industry standards in viewing gallery (Glass Sizes: 7.38 m x 1.66 m and 6.68 m X 1.66 m) at first floor & Ground floor (Glass Size: 1.8 m X 1.2 m) in Cleanroom-1.	
12.	Installation of one additional viewing glass panel (Size: 2 m X 1.2m) in Cleanroom-1 and 1mx1m -2nos. in corridor area with hermetically sealed double-glazed vision panel with 6	



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	mm thick toughened glass panels including necessary profiles, desiccant, metallic peripheral frames, sealing and accessories as per industry standards.	
13.	Supply and installation / replacement of existing cleanroom entry doors with atleast 2 hours fire rated doors in clean rooms designed to fit flush into the wall panel system on both sides and are supplied in different dimensions as per technical specifications. Doors shall be fabricated from galvanized steel/GPSP sheets duly epoxy polyester powder coated filled with Rockwool material. Shutter has sheet thickness of NLT 0.8mm and the frame of NLT 1.2 mm. Standard 50 mm panel has frame width of 50 mm & shutter width of 45-50 mm including all accessories like stainless steel D-handle, steel hinges push plates made of Stainless steel on push side, Arm door closure, View panel along with self-adhesive tape & silicon sealant and both side locking arrangements etc.	
14.	CCTV cameras shall be either projected from wall or enclosed with easily openable hermetically sealed double glazed glass panel as per site requirements ensuring no blockage of views depending on site conditions.	
15.	Warranty Period: 12 months from the date of acceptance by the department at our site after installation.	
16.	Party shall rectify any defects due to workmanship error / poor quality of materials at no extra cost during warranty period.	
17.	Total delivery period including Design, Supply & Installation is Six months from the date of PO placement.	
18.	After obtaining purchase order, Vendor has to obtain department clearance for over-all design plan. Vendor also has to furnish one sample wall panel and obtain department clearance to proceed with full quantity production. Design finalisation and getting approval from SDSC has to be completed within Two months .	
19	Once design is approved by SDSC, vendor has to supply all the materials like wall panels, back up structure, doors, ac grills, viewing glass panels associated consumables like sealants, paints, screws, clamps etc (as per the bill of	



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	materials given in approved drawings) within Two months . Total delivery period for supply of all the materials including design approval is Four months from the date of PO.	
20.	Execution of final installation works shall be commenced only after site clearance from SDSC. Once site clearance is given, vendor has to complete all the installation works within Two months . Detailed work schedule for the same shall be supplied by the vendor before execution and same shall be approved by SDSC. Due to launch programmes, erection works may have to be planned by the vendor in Two slots of each one month.	
21	For installation of wall panelling and all other works necessary scaffoldings / access platforms, man power, equipments, lodging, boarding, insurance & transportation etc. shall be arranged by the vendor only.	
22	Department will provide compressed air, water and electricity at free of cost for installation works. However, for electricity, required junction boxes, cables and switches shall be arranged by the vendor and same shall be inspected and cleared by SDSC.	
23	All the civil works like wall breaking, plastering and application of paint etc. which-ever is required as part of PO execution is in the scope of the supplier at no extra cost.	
24	All the materials supplied shall be from latest batch of production. Pre-delivery inspection of all the material at vendor site will be carried out by Engineers from SDSC based on inspection call from vendor. After delivery clearance only, material shall be despatched to SDSC.	
25	Electrical systems like lights, control gears, double compression glands, armoured cable and distribution box are Not in the scope of vendor. Supply of required cable trays, clips and Installation of light fittings, control gear, cable laying and termination and commissioning is in the scope of vendor.	

SIGNATURE: _____

NAME: _____

DESIGNATION: _____

DATE _____

SEAL OF THE COMPANY

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Annexure-4**EXCEPTIONS AND DEVIATIONS**

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

SL NO	Reference in Specification		Dept. Specification	Offered Specification	Remarks
	Page no	Clause no			

NOTE :

- Only deviations are to be written in the above form.
- Any deviations taken by the Bidder to the stipulations of the Proposal document shall be brought out strictly as per this format and enclosed along with the bid.
- Any deviations not brought out in this Pro-forma and written elsewhere in the Proposal document shall not be recognized and the same is treated as null and void.
- Any willful attempt by the Bidders to camouflage the deviations by giving them in the covering letter or in any other documents that are enclosed may render the Bid itself non-responsive.

SIGNATURE: _____

NAME: _____

DESIGNATION: _____

DATE _____

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Annexure - 5**Price Bid by bidder****(Annexure-5 shall be filled duly signed & uploaded as part of price bid ONLY)****NOTE: The price breakup must be uploaded in Price bid only. Any price related to offered product in Technical bid leads to rejection of your offer.**

Sl. No.	Description	Supplier' quoted cost	Supplier' quoted cost + 5% IGST
1.	Design & supply of 2D&3D drawings for the entire scope of work within stipulated time from the date of PO.		
2.	Supply of modular wall panels & associated systems including grills, coving etc. as per technical specifications & approved drawings for Clean room- 1& corridor.		
3.	Erection & commissioning of the above as per approved drawings in Clean room- 1&corridor.		
4.	Supply of entry doors as per technical specifications & approved drawings.-Lot as per the tender specifications		
5.	Installation of the above doors as per approved drawings.		
6.	Supply and Installation of Electrical Systems as per tender specifications and approved drawings.		
7.	Supply and installation of viewing glass windows as per tender specifications and approved drawings in Clean room -1 & corridor.		
8	Grand Total in Rupees.		

SIGNATURE: _____

NAME: _____

DESIGNATION: _____

DATE _____

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