

भारत प्रतिभूति मुद्रण तथा मुद्रा निर्माण निगम लिमिटेड, निगम मुख्यालय  
Security Printing & Minting Corporation of India Limited, Corporate Office  
भारत सरकार के पूर्ण स्वामित्वाधीन / Wholly owned by Government of India  
A Miniratna Category-I, CPSE, 16<sup>th</sup> Floor Jawahar Vyapar Bhawan / 16<sup>वीं</sup> मंजिल जवाहर व्यापार भवन  
जनपथ, नई दिल्ली – 110001 / Janpath, New Delhi -110001  
☎ 011-43582243/262 E-mail: purchase.ho@spmcil.com  
Website: www.spmcil.com

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*Not Transferable*

**Security Classification: Non-Security**

**TENDER DOCUMENT FOR  
Complete Interior Fit out works including Flooring, Wall and Ceiling  
finishes, Partitioning, Civil, Furniture, Furnishing, Electrical, HVAC,  
MEP, Fire Fighting, IT and Audio-Visual Works of SPMCIL office  
space at WTC Nauroji Nagar, New Delhi**

**Tender No. SPMCIL/Corporate Office New Delhi/Technical/2024-25/2704**

**Dated 26.11.2024**

**THIS TENDER DOCUMENT CONTAINS 161 PAGES**

**DETAILS OF CONTACT PERSON:**

Himanshu Vashishtha  
Manager (Materials) &  
Chief Purchase and Stores Officer  
16<sup>th</sup> Floor Jawahar Vyapar Bhawan  
Janpath, New Delhi -110001  
Phone: 011-43582243/262  
E-mail: purchase.ho@spmcil.com

## **Disclaimer**

The information contained in this Bid Document or subsequently provided to Bidder(s), whether verbally or in documentary or any other form by or on behalf of the Security Printing and Minting Corporation Limited (hereafter referred as the "Purchaser") or any of its employees or associated agencies, is provided to Bidder(s) on the terms and conditions set out in this Bid Document and such other terms and conditions subject to which such information is provided.

This Bid Document is not an agreement and is neither an offer nor invitation by the Purchaser to the prospective Bidder(s) or any other party hereunder. The purpose of this Bid Document is to provide the Bidder(s) with information to assist them in the formulation of their proposal submission. This Bid document does not purport to contain all the information Bidder(s) may require. This Bid document may not be appropriate for all bidders, and it is not possible for the Purchaser to consider particular needs of each Bidder. Each Bidder should conduct its own investigation and analysis, and should check the accuracy, reliability, and completeness of the information in this document and obtain independent advice from appropriate sources.

Information provided in this Bid Document to the Bidder(s) is on a wide range of matters, some of which may depend upon interpretation of law. The information given is not intended to be an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law. The Purchaser, its employees and other associated agencies accept no responsibility for the accuracy or otherwise for any interpretation or opinion on law expressed herein.

This Bid document and ensuing bids; communications and Contracts would alone determine the legal and commercial relationship between the bidders/ contractors and the Purchaser. No other Government or Purchaser's document/ guidelines/ Manuals including its Procurement Manual (which are for internal and official use of its officers), have any locus standi in such a relationship. These documents/ guidelines/ Manuals therefore should not be cited or referred in any legal or dispute resolution or grievance redressal proceedings.

The Purchaser, its employees and other associated agencies make no representation or warranty and shall have no liability to any person, including any Bidder under any law, statute, rules or regulations or tort, principles of restitution or unjust enrichment or otherwise for any loss, damages, cost or expense which may arise from or be incurred or suffered on account of anything contained in this Bid Document or otherwise, including the accuracy, adequacy, correctness, completeness or reliability of the Bid Document and any assessment, assumption, statement or information contained therein or deemed to form part of this Bid Document or arising in any way for participation in this Bid Stage.

The Purchaser, its employees and other associated agencies also accept no liability of any nature whether resulting from negligence or otherwise howsoever caused arising from reliance of any Bidder(s) upon the statements contained in this Bid Document.

The Purchaser may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information, assessment or assumptions contained in this Bid Document.

The issue of this Bid Document does not imply that the Purchaser is bound to select Bidder(s) and the Purchaser reserves the right to reject all or any of the Bidders or Bids or to decide to drop the procurement process at any stage without assigning any reason.

The Bidder(s) shall bear all its costs associated with or relating to the preparation and submission of their Bids including but not limited to preparation, copying, postage, delivery fees, expenses associated with any submission of samples, demonstrations or presentations which may be required by the Purchaser or any other costs incurred in connection with or relating to their Bids. All such costs and expenses will remain with the Bidder(s) and the Purchaser shall not be liable in any manner whatsoever for the same or for any other costs or other expenses incurred by a Bidder(s) in preparation or submission of the Bid, regardless of the conduct or outcome of the Bidding Process.

This disclaimer forms an integral part of the Bid document and shall supplement but not supplant the provision of the Bid Document.

**SECTION -1 NOTICE INVITING TENDER (NIT)**

1. E-tenders (through CPPP <https://eprocure.gov.in/eprocure/app>) are invited from eligible and qualified bidders for the following works:

Schedule No.	Brief Description of Works	Quantity (with unit)	Earnest Money	Due date & time for opening of tender	Delivery Period
1	<b>Complete Interior Fit out works including Flooring, Wall and Ceiling finishes, Partitioning, Civil, Furniture, Furnishing, Electrical, HVAC, MEP, Fire Fighting, IT and Audio-Visual Works of SPMCIL office space at WTC Nauroji Nagar, New Delhi</b>	01 Job. (One)	Rs 9,39,000/- (Rupees Nine lakhs thirty nine thousands only)	Techno-commercial bid will be opened on <b>26/12/2024 at 03:00PM</b>	Please refer Section VI-(List of Requirements) of the tender document.

<b>Type Of Tender</b>	National Competitive Bidding in two bid System i.e. (Techno-commercial + Price Bid)
<b>Security Classification</b>	Non-Security
<b>Authority in whose favour all tender related financial instruments (FD, DD, Banker's cheque etc) are to be made</b>	Security Printing and Minting Corporation of India Limited
<b>All Financial Instruments to be payable at:</b>	New Delhi
<b>Dates and place of issue of tender documents:</b>	<b>From 26.11.2024 at 09:00 A.M. to 26.12.2024 at 03:00 P.M. at</b> <a href="https://www.spmcil.com/en/tenders/">https://www.spmcil.com/en/tenders/</a> <a href="https://etenders.gov.in">https://etenders.gov.in</a>
<b>Closing date and time for receipt of tenders</b>	<b>26.12.2024; 3:00 PM</b>
<b>Submission of Bids</b>	Through CPP Portal ( <a href="https://etenders.gov.in">https://etenders.gov.in</a> )
<b>Time and date of opening of tenders</b>	1) Techno-Commercial Bid <b>03:30 P.M. on 26.12.2024.</b>
<b>Place, Time, and date of Opening of Price (Financial) bid would be intimated later on</b>	2) For Price Bid: will be intimated later only to those who are Techno-Commercial qualified Bidder
<b>Place of opening of tenders</b>	Through e-tendering portal i.e. CPP Portal ( <a href="https://etenders.gov.in">https://etenders.gov.in</a> )
<b>Nominated Person/ Designation to Receive Tenders</b>	Through e-tendering portal i.e. ( <a href="https://etenders.gov.in">https://etenders.gov.in</a> )



<b>Officer to be contacted for clarifications / help: ( Cutoff Date for Seeking Clarifications 04.12.2024 )</b>	Himanshu Vashishtha Manager(Materials) & C.P.S.O.
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2. Eligibility to participate as per Government of India's Public Procurement (Preference to Make in India) Order 2017 (as amended/ revised) and Ministry of Finance, Department of Expenditure, Public Procurement Division's Orders (Public Procurement 1, 2 and 3) F.No.6/18/2019-PPD dated 23rd/ 24th July 2020 (or any further amendments thereof) regarding eligibility of bidders from neighboring countries shall apply to this tender.
3. Please note that SPMCIL reserves its right to grant Purchase preferences in accordance with Government of India's Public Procurement (Preference to Make in India) Order 2017 (as amended/revised) and Public Procurement Policy for Micro and Small Enterprises (MSEs) Amendment Order, 2018 (as amended/revised). Further, as per revised FAQ in respect of Public Procurement Policy for MSEs order 2012, issued on 27.01.2022 Works Contracts are not covered under the purview of PPP for MSEs.
4. Interested tenderers may obtain further information about this requirement from SPMCIL Corporate Office, New Delhi. They may also visit our website mentioned above for further details viz. <https://www.spmcil.com/en/> or <https://etenders.gov.in/eprocare/app>.
5. Tenderer may also download the tender documents from the web site mentioned above and upload its tender by utilizing the downloaded document, (Through e-tendering portal i.e. CPP Portal (<https://etenders.gov.in>), bidder must not make any changes to the contents of the documents, except for filling the required information. A certificate to this effect must be submitted by the bidder in the Tender Form (Section X).
6. Tenderers are required to upload their bids, duly sealed and signed, complete in all respects as per instructions contained in the Tender Documents, on or before the closing date and time indicated in the Para 1 above at the e-Procurement portal. (Website address <https://etenders.gov.in/eprocare/app>. Original copies of scanned EMD amount must reach in physical form within 5 days' time of tender opening, otherwise their uploaded bid, would be declared as unresponsive.
7. In the event of any of the above-mentioned dates being declared as a holiday/ closed day for the purchase organization, the tenders will be opened on the next working day at the appointed time.
8. EMD amount mentioned in Section VI – List of Requirements shall be furnished in one of the following forms: a) Account Payee Demand Draft or b) Fixed Deposit Receipt or c) Banker's cheque or d) Bank Guarantee; in acceptable form, otherwise the tender will not be accepted in any case. The demand draft, fixed deposit receipt or banker's cheque shall be drawn on any scheduled commercial bank in India, in favour of Account and place of payment specified in the Para 1 above. In case of bank guarantee, the same is to be provided from/confirmed by any scheduled commercial bank in India as per the format specified under Section XIII in these documents.
9. The tender documents are not transferable.
10. The bidder, their affiliates, or subsidiaries – including subcontractors or suppliers for any part of the contract – should not stand debarred by SPMCIL Corporate Office or by Department of

Economic Affairs, MoF, GOI or Department of Expenditure , MoF, GOI . A declaration to this effect shall be submitted by the bidder in the Tender Form (Section X).

11. Undersigned confirms that the required goods mentioned above are not available on GeM being works contract as per DO letter No.468/CEO-GeM/2022 dated 07.12.2022.

Manager (Materials) &  
Chief Purchase and Stores Officer  
Phone: 011-43582243/262  
E-mail: purchase.ho@spmcil.com

The bidder is required to use following bank details for payment of EMD/SD through online mode (NEFT, DD, RTGS etc.)  
Security Printing and Minting Corporation of India Limited  
Account No. 201000866753  
IFSC Code: INDB0000005  
Bank Name: IndusInd Bank  
Branch address: Dr. Gopal Das Bhawan 28 Barakhamba Road New Delhi 110001

## **SECTION II: GENERAL INSTRUCTIONS TO TENDERER (GIT)**

For details regarding General Instruction of Tenderers (GIT) please refer **Annexure A**.

### **SECTION III: SPECIAL INSTRUCTIONS TO TENDERERS (SIT)**

The following Special Instructions to Tenderers will apply for this purchase. These special instructions will modify/ substitute/ supplement the corresponding General Instructions to Tenderers (GIT) incorporated in Section II. The corresponding GIT clause numbers have also been indicated in the text below:

In case of any conflict between the provision in the GIT and that in the SIT, the provision contained in the SIT shall prevail. (Clauses of GIT listed below include a possibility for variation in their provisions through SIT. There could be other clauses in SIT as deemed fit).

Sl. No.	GIT Clause No.	Topic	Modify/ Substitute/ Supplement	SIT Provision
1.	3.1	Eligible Tenderers	-	As applicable
2.	3.4	Eligible Goods and Services (Origin of Goods)	-	As applicable
3.	6.1	The tender documents include:	Modify	SIT 1 (Mentioned below)
4.	10.1	The Technical bid to be submitted by Tenderer shall contain the following documents, duly filled in, as required:	-	As applicable
5.	11.2	Tender Currency		INR
6.	12.1	Tender Prices		As applicable
7.	12.2, 33, 36.1	Schedule wise evaluation		Not applicable
8.	12.6	GST details		As applicable
9.	16.2 a) to c)	Documents Establishing Tenderer's Eligibility and Qualifications	-	As per Section IX: Qualification / Eligibility Criteria
10.	18.4, 18.5	Earnest Money Deposit (EMD)	Modify	SIT 2 (Mentioned below)
11.	19	Tender Validity	Modify	SIT 3 (Mentioned below)
12.	20.4	Number of Copies of Tenders to be submitted	Modify	SIT 4 (Mentioned below)
13.	20.8	Two Bid System		As applicable
14.	20.9	E-Procurement	Modify	SIT 5 (Mentioned below)
15.	24	Tender opening	Modify	SIT 6 (Mentioned below)

**SIT 1: The tender documents include:**

1. Section I - Notice Inviting Tender (NIT)
2. Section II - General Instructions to Tenderers (GIT)
3. Section III - Special Instructions to Tenderers (SIT)
4. Section IV -General Conditions of Contract (GCC)
5. Section V - Special Conditions of Contract (SCC)
6. Section VI - List of Requirements

7. Section VII - Technical Specifications
8. Section VIII - Quality Control Requirements
9. Section IX – Qualification/ Eligibility Criteria
10. Section X - Tender Form
11. Section XI - Price Schedule
12. Section XII – Vendor Details
13. Section XIII - Bank Guarantee Form for EMD
13. Section XV - Bank Guarantee Form for Performance Security
14. Section XVI - Contract Form
15. Section XVIII-Proforma of Bills for Payments
16. Section XIX- NEFT Mandate

**SIT 2: Earnest Money Deposit: -**

- (i) Earnest Money Deposit amounting to **Rs 9,39,000/- (Rupees Nine lakhs thirty nine thousands only)** in the form of account payee Demand Draft /Bankers Cheque/Fixed Deposit/ BG/Insurance security bonds/Payment through online mode (for FDR/BG/Insurance security bonds *validity should be **minimum 120 days + 45 days** from the date of tender opening*) Receipt in favor of **Security Printing and Minting Corporation of India Limited**, payable at **New Delhi** is to be furnished along with Techno commercial bid.
- (ii) Startups as recognized by Department of Industrial Policy & Promotion (DIPP) are exempted from furnishing the EMD. They should furnish with the Bid a copy of valid Certificate of Recognition issued by DIPP.
- (iii) EMD of a bidder will be forfeited, if the bidder withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of its tender. Further, if the successful bidder fails to furnish the required performance security within the specified period, its EMD will be forfeited.
- (iv) As per revised FAQ in respect of Public Procurement Policy for MSEs order 2012, issued on 27.01.2022 Works Contracts are not covered under the purview of PPP for MSEs, **hence there is no exemption of EMD, Turnover and Experience to the MSME registered vendors**

**Tenderers must upload scanned copies of above required documents along-with their bids as proofs of EMD. Original copies of such scanned uploaded documents must reach in physical form within the date and place as provided in such instructions (Refer SIT 4 & 5 - EMD) otherwise their uploaded bid, would be declared as unresponsive.**

**SIT 3: Tender Validity: -**

- (i) Tender shall remain valid for acceptance for a period of **120 days** from the date of opening of Techno-Commercial Bid. Any tender valid for a shorter period shall be treated as unresponsive and rejected.
- (ii) In exceptional cases, the tenderers may be requested by SPMCIL Corporate Office, New Delhi to extend the validity of their tender up to a specified period. Such request(s) and response thereto shall be conveyed by e-mail. The tenderers who agree to extend the tender validity,

are to extend the same without any change or modification of their original tender and they are also to extend the validity period of the EMD accordingly.

- (iii) In case the day upto which the tenders are to remain valid falls on/subsequently declared a holiday or closed day for SPMCIL Corporate Office, New Delhi the tender validity shall automatically extended upto the next working day.
- (iv) Compliance with the Clauses of this Tender Document: Tenderer must comply with all the clauses of this Tender Document. In case there are any deviations, these should be listed in a chart form without any ambiguity along with justification

**SIT 4: Tender Submission/ Uploading:** Tenderer shall upload their tender and relevant documents on [CPP Portal \(https://etenders.gov.in\)](https://etenders.gov.in) only and no physical documents will be entertained for the bid, further in case EMD is to be submitted through DD/BC/BG/Insurance security bonds/FDR etc. then scan copy should be uploaded along with the documents and physical financial instrument should reach SPMCIL Corporate Office, New Delhi within 5 days' time of tender opening failing which tender shall be deemed unresponsive.

**SIT 5: E-Procurement:** E-Tender will consist of Two Bid system i.e. Part I-Techno Commercial/ Technical Bid and Part II - Financial/ Price Bid

(I) Techno Commercial/Technical Bid and (II) Financial/ Price Bid are to be submitted through e-tendering portal i.e. [CPP Portal \(https://etenders.gov.in\)](https://etenders.gov.in) on or before the due date of submission of tenders. It may be noted that the price is not to be quoted in the Techno Commercial Bid. It shall only be quoted in Price Bid. Non-adherence to this shall be making tender liable for rejection.

Earnest Money Deposit (EMD) in original shall be sent to the designated officer Shri Himanshu Vashishtha, Manager (Materials) & CPSO, SPMCIL Corporate Office, New Delhi through post or by hand so as to reach within 5 days' time of tender opening.

#### **PART I: TECHNO COMMERCIAL BID**

As part of Techno-Commercial Bid, the bidder is required to submit all the following documents to ensure the compliance of techno-commercial qualification criteria

- i) Containing **un-priced** tender consisting of complete Qualification/ Eligibility of the tenderer as per the format specified under Section IX in this document.
- ii) Earnest Money Deposit.
- iii) Power of Attorney/authorization with the seal of the company of person signing the tender documents.
- iv) Tender form as in Section-X of tender document duly signed.
- v) The tenderer shall submit detailed technical offer as per Technical Specifications as per Section VII of this tender document.
- vi) The tenderer has to submit acceptance of all sections of this tender document (GIT, SIT, GCC, SCC, Quality control requirements, Tender form, Questionnaire, etc.,)
- vii) Containing un-priced tender consisting commercial package including all terms and conditions. No price details to be given in this tender.
- viii) Containing Blank price Bid (**No price details to be given in part of this tender.**)
- ix) The following undertakings need to be invariably submitted along with the offer failing which the offer shall be rejected and no further communication shall be entertained.

**UNDERTAKINGS:**

- a. 'Our offer against tender No. \_\_\_\_\_ does not contain any deviation from the stipulated tender conditions and we accept all the terms and conditions of the tender document without any deviations.'
- b. The firm or any partners of the firm should not be black listed by any unit of SPMCIL or DEA, Ministry of Finance or DOE, Ministry of Finance.

**PART II: PRICE BID**

The tenderers shall quote the prices as per the pro-forma given in Section - XI of the tender document. No additional/ extra item with price should be included other than what is asked in Section - XI. If any that particular item will not be considered for evaluation.

**Note: -**

- (i) The bidders must submit the self-attested valid documents in support of their claim for TECHNO COMMERCIAL BID criteria as mentioned above.
- (ii) Bidders are required not to quote the prices in Techno Commercial Bid. Price shall only be quoted in Price Schedule/ Financial Bid. Non-adherence to this shall be making tender liable for rejection.
- (iii) Tenders received without EMD and not as per the tender terms shall not be evaluated and will be rejected.

**SIT 6: Opening of Tender**

- (i) The Techno-commercial bids are to be opened in the first instance on CPP Portal at the prescribed time and date. These bids shall be scrutinized and evaluated by the competent committee/authority with reference to the parameters prescribed in the Part-I: Techno-Commercial Bid.
- (ii) Thereafter, in the second stage, the financial bids of only the techno-commercially acceptable offers (as decided in the first stage shall be opened for further scrutiny and evaluation).
- (iii) The method of evaluation of L1 bidder for awarding the Contract shall be on consolidated grand total offered by the bidder and will be decided by taking into consideration the grand total offered price as per Section - XI (Price schedule) of this tender document.

**SECTION IV: GENERAL CONDITIONS OF CONTRACT (GCC)**

For details regarding General Conditions of Contract (GCC) please refer **Annexure B**



**SECTION V: SPECIAL CONDITIONS OF CONTRACT (SCC)**

The following Special Conditions of Contract (SCC) will apply for this Purchase. The corresponding clauses of General Conditions of Contract (GCC) relating to the SCC stipulations have also been incorporated below.

These Special Conditions will modify/ substitute/ supplement the corresponding (GCC) clauses. Whenever there is any conflict between the provision in the GCC and that in the SCC, the provision contained in the SCC shall prevail.

(Clauses of GCC listed below include a possibility for variation in their provisions through SCC. There could be other clauses in SCC as deemed fit)

<b>S. No</b>	<b>GCC Clause No.</b>	<b>Topic</b>	<b>Modify/ Substitute/ Supplement</b>	<b>SCC Provision</b>
1	6.1, 6.3 & 6.5	Performance Bond/ Security	Modify	SCC-1 (Mentioned below)
2	8.2	Packing and marking	Not applicable	Not applicable
3	9	Inspection and Quality Control	Not applicable	Not applicable
4	11.2	Transportation of Domestic Goods	As applicable	As applicable
5	12	Insurance	Modify	SCC-2 (Mentioned below)
6	14.1	Incidental Services	As applicable	As applicable
7	15	Distribution of Dispatch Documents for clearance/ Receipt of Goods	Not applicable	Not applicable
8	16.2, 16.4	Warranty Clause	Modify	SCC-3 (Mentioned below)
9	19.3	Option Clause	Modify	SCC-4 (Mentioned below)
10	20.1	Price Adjustment Clause		As applicable
11	21	Taxes and Duties	Modify	SCC-5 (Mentioned below)
12	22	Terms and Mode of payments	Modify	SCC-6 (Mentioned below)
13	24.1	Quantum of Liquidated Damages	Modify	SCC-7 (Mentioned below)
14	25.1	Bank Guarantee and Insurance for Material Loaned to Contractor		Not applicable
15	33.1	Resolution of Disputes		As applicable

### **SCC-1: Performance Bond/ Security:**

The successful bidder shall furnish Security Deposit within 21 days of issue purchase order in the form of unconditional Bank Guarantee (including e-Bank Guarantee) Account Payee Demand Draft or Fixed Deposit Receipt/ Insurance Security Bonds or online payment, from any scheduled commercial Bank of India in favor of the "**Security Printing and Minting Corporation of India Limited**" payable at **New Delhi**, for **5% value of the purchase/work order valid upto 60 days** beyond the date of completion of all contractual obligations by the supplier, including the warranty obligations. EMD shall be refunded/ returned without any interest on request of the bidder and after receipt of Performance Bank Guarantee and signing of the contract with successful bidder.

### **SCC-2: INSURANCE**

- i. During the Contract period, all insurance shall be taken by the Contractor and related expenses shall be borne by the Contractor. The Owner shall not incur any financial loss.
- ii. In case of any loss or damage or pilferage or theft or fire accident or combination of the said incidents etc. under the coverage of insurance, the Contractor shall lodge the claim as per rules of insurance. Any FIR required to be lodged to local Police Station shall be the responsibility of the Contractor.
- iii. The Contractor shall arrange for providing insurance coverage to its workmen under Workmen's Compensation Act or similar Rules and Acts as applicable during execution of work for covering risk against any mishap to its workmen. The Contractor shall also undertake a Third-Party Insurance. The Owner shall not be responsible for any such loss or mishap.

### **SCC-3: Warranty Clause**

The defect liability period for the work is 12 months from the date of completion of the work. The Contractor shall be responsible to make good and remedy at his own expense within such period, any defect which may develop or may be noticed before the expiry of the defect liability period from the certified date of completion and intimation of which has been sent to the Contractor within seven days of the expiry of the said period by a letter sent by hand delivery or by registered post or by email.

### **SCC-4: Option Clause**

SPMCIL Corporate Office, New Delhi reserves the right to increase/decrease the ordered quantity (Scope of work as defined in the BOQ) by up to 25% at any time, till final delivery date of the contract (or the extended delivery date of the contract), by giving reasonable notice even though the quantity ordered initially has been supplied in full before the last date of Delivery Period (or the extended delivery period of the contract).

### **SCC-5: Taxes and Duties**

Supplier shall be entirely responsible for all taxes, duties, fees, levies etc. incurred until delivery of the contracted goods to SPMCIL. If the tenderer fails to include taxes and duties as per law of the land in the tender, no claim thereof will be considered by purchaser at a later stage.

### **SCC 6: - Terms and Mode of payments:**

Payment will be done as per site condition and actual measurement as follows:

- i. The contractor shall be paid on monthly running bill basis for 90% of the value of the work actually executed on site duly certified by concerned Officials or Engineer-in-charge of SPMCIL.
- ii. Balance 10% payment shall be released after successful completion of work on submission of Completion Certificate duly certified by concerned Officials or Engineer-in-charge of SPMCIL

**SCC 7: - Quantum of LD**

- (i) If the contractor fails to maintain the required progress in term of time schedule to complete the work and clear the site on or before the scheduled date or extended date of completion, he shall without prejudice to any other right or remedy of the SPMCIL, Corporate Office, New Delhi on account of such breach, pay as liquidated damages, not as penalty, an amount equivalent to the value calculated at the rate of half percent (0.5%) of undelivered works for every week or part thereof for delay in execution of completion of work.
- (ii) The total amount of liquidated Damages for delay in completion under the contract will be subject to a maximum of 10% (Ten percent) of the total contract value.
- (iii) The amount of liquidated damages may be adjusted against any sum payable to the contractor or from any money(s) of contractor available with SPMCIL, Corporate Office, New Delhi.
- (iv) Any strike / lockouts at works or site of the Contractor or his sub-supplier/sub- contractor, normal rainy seasons and monsoon shall not be considered as force majeure condition.
- (v) For calculation of LD, date of issue of Letter of Award of Contract (LoA) shall be the reference date.

**SECTION VI: LIST OF REQUIREMENTS**

<b>Schedule No.</b>	<b>Brief description of works (Related specifications etc. are in Section-VII)</b>	<b>HSN Code</b>	<b>Accounting unit</b>	<b>Qty.</b>	<b>Amount of Earnest Money (INR)</b>	<b>Place of Works/delivery for GST purpose</b>
1	Complete Interior Fit out works including Flooring, Wall and Ceiling finishes, Partitioning, Civil, Furniture, Furnishing, Electrical, HVAC, MEP, Fire Fighting, IT and Audio-Visual Works of SPMCIL office space at WTC Nauroji Nagar, New Delhi	As per price schedule	As per price schedule	01 One	<b>Rs 9,39,000/-</b> (Rupees Nine lakhs thirty nine thousands only)	WTC Nauroji Nagar, New Delhi

**1. DELIVERY TERMS:**

Successful firm has to complete the work in all respect within **90 days** from the date of Issue of Purchase Order/NAC.

**2. PLACE OF WORK:**

G-300, Tower-G, Commercial Complex, World Trade Centre, Nauroji Nagar, New Delhi

**3. TERMS AND MODE OF PAYMENT:**

Payment will be done as per site condition and actual measurement as follows:

- iii. The contractor shall be paid on monthly running bill basis for 90% of the value of the work actually executed on site duly certified by concerned Officials or Engineer-in-charge of SPMCIL.
- iv. Balance 10% payment shall be released after successful completion of work on submission of Completion Certificate duly certified by concerned Officials or Engineer-in-charge of SPMCIL.

**Note:**

- a) The measurement shall be taken by the authorized executive/officer of the SPMCIL in the presence of the contractor or his authorized representative.
- b) The authorized executive/ officer of SPMCIL shall sign the measurements, which shall also be signed by the contractor or his authorized representative as an acceptance of measurements. If the contractor or his authorized representative fails to turn up at the time of taking measurements inspite the notice to do so, the authorized executive/ officer of the SPMCIL shall be entitled to record the measurements ex-parte and these shall be final and binding on the contractor.

#### 4. COMPLETION CERTIFICATE:

- i. As soon as the work is completed as per delivery period mentioned in contract, the Contractor shall give notice of such completion to SPMCIL Corporate office, New Delhi. SPMCIL Corporate office, New Delhi, within 30 days of receipt of such notice, shall inspect the work and also arrange for carrying out of such tests as may be prescribed or required under the contract or ordered by SPMCIL, Corporate office, New Delhi. If any incomplete item of work or any defect notices, which is to be rectified by the Contractor, or if any part of whole of the work fails to pass the specified tests, SPMCIL Corporate office, New Delhi shall furnish to the Contractor, the list of all such incomplete items of work, deficiencies, defects, failure to pass tests, etc., and may refuse to issue a Completion to the Contractor.
- ii. If the work has been satisfactorily completed and has satisfactorily passed final test or tests that may be prescribed, the SPMCIL Corporate office, New Delhi shall issue a certificate of completion, showing the date of completion in respect of the work. The warranty period shall commence from the date of completion indicated in such certificate.
- iii. The Certificate of Completion of works shall not absolve the Contractor from his liability to make good defects, imperfections and shrinkages or faults, which may appear during the warranty period specified in the contract. These shall be rectified and made good by the Contractor at his own cost. In case of the default on the part of the Contractor, to so make good the defects or deficiencies, SPMCIL Corporate office, New Delhi may employ labour, plant and machinery and materials or appoint another agency or Contractor, to make good such defects, imperfections, shrinkages and faults, and all expenses consequent and incidental thereto, shall be recovered from any money due to the Contractor under the contract including the Performance Security amount or from any money payable to the Contractor by SPMCIL, Corporate office, New Delhi, under any other contract.

#### 5. CLEARANCE OF SITE ON COMPLETION:

On completion of works, the Contractor shall clear and remove from site all constructional scrap, surplus materials, rubbish and temporary works of every kind as per instruction of SPMCIL Corporate office, New Delhi Officials and leave the whole of the site of work clean, tidy and in neat condition with good workmanship. This will be one of the pre-conditions for making the final payment to the Contractor. Such clearance may be made by SPMCIL Corporate office, New Delhi through any other agency at the expense of the Contractor in the event of the Contractor's failure to comply with this provision within 7 days after receiving notice to that effect from SPMCIL Corporate office, New Delhi.

#### 6. SUBMISSION OF TENDERS:

- a) Techno-Commercial Bid and Price Bid are to be submitted through e-tendering portal i.e. CPP Portal (<https://etenders.gov.in/eprocure/app>) on or before the due date of submission of tenders.
- b) It may be noted that the price is NOT to be quoted in the Techno Commercial Bid. It shall only be quoted in Price-Bid. Non-adherence to this shall be making tender liable for rejection.
- c) Checklist of documents;

##### **PART 1: TECHNO-COMMERCIAL BID**

The tender shall submit detailed techno-commercial offer as per Technical Specification given in Section VII of this tender document.

##### **PART 2: PRICE BID**

The Bidders shall quote the price and other elements of price as per enclosed Price Schedule of tender document, Section XI.

Note:

- a. All section and pages of the tender document strictly should be signed, name and sealed by bidder firm.
- b. Bidder to furnish stipulated documents along with tender in support of fulfillment of tender criteria.

## 7. EVALUATION CRITERIA FOR L1 BIDDER:

The Techno-Commercial bids shall be opened on due date of opening. These bids shall be scrutinized and evaluated by the competent committee/authority with reference to the parameters prescribed in the PART 1: TECHNO-COMMERCIAL BID.

Subsequently, in the second stage the FINANCIAL/PRICE BIDS of only the techno-commercially qualified and acceptable bidder shall be opened for further scrutiny and evaluation. Intimation regarding opening of Price bid shall be given to the qualified tenderers.

The method of evaluation of L1 bidder for awarding the Contract shall be on **Grand Total offered price for whole work** by the bidder as per Section - XI (Price Schedule) of the tender document.

## OTHER TERMS & CONDITIONS

1. Intending Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The tenderer shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. If water & Electricity are requested and arranged by SPMCIL Corporate Office, New Delhi then its recovery @ 1% on the tendered/ executed cost shall be recovered from the bill of the contractor. Submission of a tender by a tenderer implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and local conditions and other factors having a bearing on the execution of the work.

2. The Date of Start of Contract Shall be the date of Letter of Award of Contract (LoA), further the contractor shall submit a detailed program of work within 7 days of the date of award of work. The SPMCIL authorized person can modify the program and the contractor shall have to work accordingly.

3. The contractor shall be responsible for behavior and conduct of his worker. No worker with doubtful integrity or having a bad record shall be engaged at site of work by the contractor.

4. Work site will be kept neat and clean to the satisfaction of SPMCIL executives.

5. Labour huts will not be permitted in the premises. The labours will not be allowed to reside in the building and campus.

6. The contractor shall maintain following records at site: -

- a) Site order book

- b) Hindrance register
- c) Material test register
- d) MAS Register

#### 7. Computerized Measurement Book (CMB):

Engineer-in-Charge shall, except as otherwise provided, ascertain and determine by measurement the value of work done in accordance with the contract.

All measurements of all items having financial value shall be entered by the contractor and compiled in the shape of the Computerized Measurement Book (CMB) / Computerized Level Book (CLB) having pages of A-4 size as per the format of the department so that a complete record is obtained of all the items of works executed under the contract.

All such measurements and levels recorded by the contractor or his authorized representative from time to time, during the progress of the work, shall be got checked by the contractor from the Engineer-in-Charge or his/her authorized representative as per interval or program fixed in consultation with Engineer-in-Charge or his/her authorized representative.

In case of CMB/CLB, after the necessary corrections made by the Engineer-in-Charge or his/her authorized representative, the measurement sheets/ shall be returned to the contractor for incorporating the corrections and for resubmission to the Engineer-in-Charge for the dated signatures by the Engineer-in-Charge and the contractor or their representatives in token of their acceptance.

Whenever bill is due for payment, in case of CMB, the contractor would initially submit draft computerized measurement sheets and these measurement(s) would be got checked from the Engineer-in-Charge and/ or his/her authorized representative. The contractor will, thereafter, incorporate such changes as may be done during these checks in his draft computerized measurement(s) and submit to the department a computerized measurement book, duly bound, and with its pages machine numbered.

The Engineer-in-Charge and/ or his/her authorized representative would thereafter check this CMB and record the necessary certificates for their checks/ test checks.

The final, fair, computerized measurement book (CMB) given by the contractor, duly bound, with its pages machine numbered, should be 100% correct, and no cutting or over-writing in the measurement(s) would thereafter be allowed. If at all any error is noticed, the contractor shall have to submit afresh CMB with its pages duly machine numbered and bound, after getting the earlier MB cancelled by the department.

The contractor shall submit two spare copies of such CMBs for the purpose of reference and record by the various officers of the department.

The contractor shall also submit to the department separately his computerized Abstract of Cost and the bill based on these measurements, duly bound, and its pages machine numbered along with two spare copies of the bill.

The contractor shall, without extra charge, provide all assistance with every appliance, labour and other things necessary for checking of measurements/levels by the Engineer-in-Charge or his/her authorized representative.

Except where any general or detailed description of the work expressly shows to the contrary, measurements shall be taken in accordance with the procedure set forth in the specifications not withstanding any provision in the relevant Standard Method of measurement or any general or local custom. In the case of items which are not covered by specifications, measurements shall be taken in accordance with the relevant standard method of measurement issued by the Bureau of Indian Standards and if for any item no such standard is available then a mutually agreed method shall be followed.

The contractor shall give not less than seven days' notice to the Engineer-in-Charge or his/ her authorized representative-in-charge of the work before covering up or otherwise placing beyond the reach of checking the measurement of any work in order that the same may be checked and correct dimensions thereof be taken before the same is covered up or placed beyond the reach of checking and shall not cover up and place beyond reach of measurement any work without consent in writing of the Engineer-in-Charge or his/her authorized representative- in-charge of the work who shall within the aforesaid period of seven days inspect the work, and if any work shall be covered up or placed beyond the reach of checking and/or test checking measurements without such notice having been given or the Engineer-in-Charge's consent being obtained in writing the same shall be uncovered at the Contractor's expense, or in default thereof no payment or allowance shall be made for such work or the materials with which the same was executed.

Engineer-in-Charge or his/her authorized representative may cause either themselves or through another officer of the department to check the measurements/levels recorded by contractor and all provisions stipulated herein above shall be applicable to such checking of measurements or levels.

It is also a term of this contract that checking the measurements/levels of any item of work in the CMB or its payment in the interim, on account of final bill shall not be considered as conclusive evidence as to the sufficiency of any work or material to which it relates nor shall it relieve the contractor from liabilities from any over measurement or defects noticed till completion of the defect's liability period.

8. The Bidder has to upload/submit the Check list as per Format given below along with the Techno-commercial Documents.

<b>Sl. No.</b>	<b>Description</b>	<b>Submitted/Not Submitted</b>	<b>Page No.</b>
1	EMD (Earnest Money Deposit)		
2	Documentary evidence towards Experience as per section IX.		
3	Documentary evidence towards Capability equipment & Manufacturing as per section IX.		
4	Documentary evidence towards Financial Standing as per section IX.		
5	Power of Attorney/ Authorization with the seal of company inditing that authorized signatory is competent and legally authorized to submit the tender and/ or to enter into legally binding contract.		
6	Tender form as in Section-X of tender document duly signed		
7	Vendor details in Section-XII of tender document duly filled and signed.		
8	Submit the copy of GST Registration No. and PAN Card details. Permanent EPF account no. and ESI registration No. (if applicable)		
9	The tenders has to submit acceptance of all Sections of this Tender document (GIT,SIT,GCC,SCC and Quality Control Requirements.)		



10	NEFT mandate as per Section XIX		
11	Documentary evidence towards Experience as per section IX.		
12	All pages of the tender documents (including GIT, GCC, SIT, SCC, List of requirements, technical specification, quality requirements, etc.) duly signed and stamped by the Authorized signatory of the bidder		
13	Adherence to the Technical Specification as per Section VII on Bidder's Letter Head and other required information		
14	Adherence to the Quality Control Requirements as per Section VIII on Bidder's Letter Head		
15	Adherence to the Delivery Schedule as per Section VI on Bidder's Letter Head		

The Bidder has to submit the Check list as per Format given below along with the **Price Bid**:

<b>Sl. No.</b>	<b>Description</b>	<b>Submitted/Not Submitted</b>	<b>Page No.</b>
1	Duly filled Section XI: Price bid		
2	Duly filled ANNEXURE to Price bid ( i.e. <i>individual prices of each item mentioned in our BOQ sheet</i> )		

## **SECTION VII: TECHNICAL SPECIFICATIONS**

**Name of work:** Complete Interior Fit out works including Flooring, Wall and Ceiling finishes, Partitioning, Civil, Furniture, Furnishing, Electrical, HVAC, MEP, Fire Fighting, IT and Audio-Visual Works of SPMCIL office space at WTC Nauroji Nagar, New Delhi

**Location:** G-300, Tower-G, Commercial Complex, World Trade Centre, Nauroji Nagar, New Delhi

**Detail of work:**

The works to be executed is as follows:

### **List of Works**

<b>S NO</b>	<b>DESCRIPTION</b>	<b>Quantity</b>	<b>Unit</b>
1.	CIVIL WORKS	As per BOQ	As per BOQ
2.	PLUMBING	As per BOQ	As per BOQ
3.	ELECTRICAL WORKS	As per BOQ	As per BOQ
4.	VRV WORKS	As per BOQ	As per BOQ
5.	HVAC WORKS	As per BOQ	As per BOQ
6.	IT WORKS	As per BOQ	As per BOQ
7.	CCTV WORKS	As per BOQ	As per BOQ
8.	LIGHTING	As per BOQ	As per BOQ
9.	FIRE ALARM & PA SYSTEM	As per BOQ	As per BOQ
10.	FIRE FIGHTING	As per BOQ	As per BOQ
11.	ACCESS CONTROL	As per BOQ	As per BOQ
12.	AV SYSTEM	As per BOQ	As per BOQ
13.	FURNITURE	As per BOQ	As per BOQ
14.	SIGNAGE	As per BOQ	As per BOQ

**Note:** The details of above work is as per detailed BOQ (Annexure-C), Seating Layout Plan (Annexure-D), Masonry Plan (Annexure-E).

The list of approved makes/Brands of Materials for above work is as below:

### **THE LIST OF APPROVED MAKES OF MATERIALS**

<b>List of approved makes: Interior fit out for SPMCIL Civil Works &amp; Interior Works</b>		
<b>Flooring Finishes</b>		
1	Cement	ACC, AMBUJA CEMENTS, ULTRATECH, JK CEMENT
2	Engineered wooden flooring	QUICKSTEP, SPAN , KAARA DECOR
3	Raised flooring	UNITILE, UNIFLOOR, TATE
4	Aluminium skirting	LIKO-S, JEB, DORMA, SAINT GOBAIN

<b>List of approved makes: Interior fit out for SPMCIL Civil Works &amp; Interior Works</b>		
5	Carpet flooring	MILLIKEN, BENTLEY, MOHAWK
6	Vitrified tiles	SIMPOLO, KAJARIA, NITCO
<b>False ceiling finishes</b>		
1	Gypsum board ceiling	SAINT GOBAIN, USG BORAL, KNAUF, ARMSTRONG
2	All kind of metal ceiling	HUNTERDOUGLAS, KNAUF, DURLUM, SAINT GOBAIN
3	Mineral Fibre ceiling	KNAUF, SAINT GOBAIN, OWA, ARMSTRONG
4	Soundscape shapes	KNAUF, ARMSTRONG, SMARTPANELS
<b>Wall finishes</b>		
1	Aluminium glass partition	JEB, DORMA, SAINT GOBAIN, GEZE
2	Flush door shutters	MERINO, CENTURY, GREENPLY
3	Hardware	DORMA, ASSA ABLOY, SAINT GOBAIN, BENE
4	Toughened glass	SAINT GOBAIN, ASAHI, MODI
5	Translucent film	3M, ORAFOL, AIS
6	Acoustic movable partition	DORMA, HAFFLE, ASSA ABLOY
7	Laquered glass	SAINT GOBAIN, ASAHI, MODI
8	Gypsum dry wall	KNAUF, SAINT GOBAIN, OWA
9	Acylic solid surface	CORIAN, MONTELLI,
10	Blinds	HUNTER DOUGLAS, WALLTRACT, GRABER
11	Plaster of paris	JK, BIRLA, ULTRATECH
12	Paints	ASIAN PAINTS, NEROLAC, DULUX
13	Hdmr /mdf/ ply board	CENTURY, GREENPANEL, ACTION TESA, DURATUFF
14	Laminate	MERINO, NEW MIKA, CENTURY
15	Pet acoustic panel	KNAUF, ARMSTRONG, SMARTPANELS
16	Switchable glass	BENE, CITTERIO, SAINT GOBAIN
<b>Sanitary &amp; plumbing works</b>		
1	Sanitary fittings & faucets (w.c., wash basin, basin mixer, health faucet & concealed cisterns)	KOHLER, DURAVIT, ARTIZE JAQUAR (ITALIAN SERIES)
2	Hand dryer	DOLPHY, TOSHI, MYSTAIR
3	Automatic soap dispenser	DOLPHY, BOBRICK, KIMBER, KIMBERLY - CLARK
4	Cast iron pipes & fittings, manhole covers and frames.	NECO, SKF, HEPSCO, RPMF
5	G.i. Pipes	JINDAL (HISSAR), TATA, SURYA PRAKASH, SAIL
6	G.i. Pipes fittings	K.S., UNIK, ZOLOTO, SANT, DRPM
7	Valves	ZOLOTO, LEADER, KARTAR, SANT
8	Paints	ASIAN PAINTS, NEROLAC, BERGER
9	Sink	CARYSIL, JAYNA, NEELKANTH
10	Cpvc & pvc pipes	SUPREME, PRINCE, ASTRAL, WAVIN, AKG
11	Toilet accessories	KOHLER, DURAVIT, ARTIZE JAQUAR (ITALIAN SERIES)
12	Hot water geysers	AO SMITH, JAQUAR, HAVELLS, RACOLD
<b>Electrical works</b>		

<b>List of approved makes: Interior fit out for SPMCIL Civil Works &amp; Interior Works</b>		
1	Lt panels	NEPTUNE, L&T, SIEMENS
2	Moulded case circuit breaker	SCHNEIDER (NSX), ABB (TMAX), LEGRAND (DPX3),SIEMENS (3VL), HAGER(H3)
3	Power contactor relays	SCHNEIDER (TESYS), L&T (MNX), LEGRAND (CTX3),SIEMENS (SIRIUS RT)
4	Miniature circuit breaker	SCHNEIDER(ACTI9), LEGRAND(DX3), SIEMENS(BETA GUARD 10KA)
5	MCB distribution boards	SCHNEIDER(ACTI9),LEGRAND (EKINOXE3),SIEMENS(BETA GUARD 10KA)
6	Change over switches	L&T, SCHNEIDER, ABB, SIEMENS
7	Voltage transformer	AE, KAPPA, NEPTUNE
8	Current transformer	AE, KAPPA, NEPTUNE
9	E.L.C.B./ R.C.C.B	SCHNEIDER(ACTI9),LEGRAND(DX3),SIEMENS (BETA GUARD 10KA)
10	Timers	SIEMENS, L&T, LEGRAND
11	Push buttons	SIEMENS, L&T, LEGRAND
12	Indicating lamps	SIEMENS, L&T, LEGRAND
13	Fuses and fuse bases	SIEMENS, L&T, LEGRAND
14	Kwh meters	AE, CONZERV, RISHABH, TRINITY
15	Selector switches and rotary switches	L&T, KAYCEE, PHILIPS, CONZERV
16	Indicating instruments	AE, CONZERV, RISHABH, TRINITY
17	PVC insulated Frls copper wires	FINOLEX, SKYTONE, POLYCAB, KEI, HAVELLS
18	PVC rigid conduits	BEC, AKG, ASTRAL, NORPACK
19	M.s conduits (ISI mark)	BEC, AKG, ASTRAL, NORPACK
20	Modular switches, sockets, plugs etc. (directors, senior officer cabin, reception & other important areas)	MK ASPECT, LEGRAND ARTEOR, SCHNEIDER
21	Modular switches, sockets, plugs etc. (other cabins office partitions and general/ executive area)	MK ASPECT, LEGRAND ARTEOR, SCHNEIDER
22	Light fitting (led)	VIZION, REGENT, SKETCH LIGHTING
23	Ups	NUMERIC, SCHNEIDER-APC, VERTIVE, EATON
24	FRLS copper flexible cables	KEI, HAVELLS, RALLISON, POLYCAB, KEC
25	HT cable	FINOLEX, HAVELS, KEI
26	LT cable	FINOLEX, HAVELS, KEI
27	HT/LT cable termination	RAYCHEM, 3M, DENSON
28	Cable management system/ floor boxes/junction boxes	LEGRAND, MK, SCHNEIDER
29	Raceway	LEGRAND, MK, SCHNEIDER
<b>HVAC works</b>		
1	GI sheet	JINDAL, SAIL, TATA
2	Grills	GREENAIR, TANUS, SYSTEMAIR, MAPRO
3	Dampers	GREENAIR, TANUS, SYSTEMAIR, MAPRO
4	Insulation	ARMACELL, K-FLEX, SUPERLON
5	Acoustic lining	EWIGA, ARMACELL, KFLEX
6	VAV box with controller and capacitive touch screen	JOHNSON CONTROL, RUSKINTITUS, CYNOR, TRANE, TROX

<b>List of approved makes: Interior fit out for SPMCIL Civil Works &amp; Interior Works</b>		
	thermostat	
7	VRV	DAIKEN, MITSUBISHI, TOSHIBA,
8	VFD	DANFOSS, HONEYWELL, ABB
9	Axial fan	GREENHECK, KRUGER, SYSTEMAIR, WOLTER
10	Factory fabricated ducting	DUCTOFAB, ZECO, ROLASTAR, WAVES
11	Copper piping	RAJCO, MANDEV, MEXFLOW
12	Drain pipe	POLYTECH, SUPREME, AKG, ASTRAL
13	Insulation	SUPREME, K-FLEX, A-FLEX, ARMAFLEX, OWENS CORNING
<b>IT (active + passive) &amp; EPABX</b>		
1	Cat-6a cables / cat 6 a mounting cords/ loaded jack panel / single mode fiber cable / LIU/ pigtail / faceplate / IO / fiber patch cord	PANDUIT / 3C3 / SYSTIMAX
2	42 u floor rack / 9 u wall mount / cable manager / pdu/ mounting hardware pack	NETRACK / RITTAL / VALRACK / CPMG
3	25 pair riser cable	DELTON/ SKYTONE
4	Conduits	POLYCAB / AKG/ FINLOEX
5	Internet firewall	PALO ALTO / CISCO/FORTINET
6	Routers, core switch /layer-3 distribution/ layer 2 managed / sfp module 1 g/ 10 g / router / access point / wi-fi controller, 24 port managed I2 network switch, 24 port poe managed I2 network switch	CISCO / CAMBIUM/ JUNIPER
7	Digital/ ip based epabx system	ALCATEL / AVAYA/MATRIX
8	Digital key phones/ ip phone / analog phones	ALCATEL /PANASONIC/MATRIX
9	Mfp printer	HP / CANON / BROTHER
10	Cat-6a cables / cat 6 a mounting cords/ loaded jack panel / single mode fiber cable / liu/ pigtail / faceplate / io / fiber patch cord	PANDUIT / 3C3 / SYSTIMAX
<b>CCTV works</b>		
1	Dome, bullet, ptz camera & nvr	MOBOTIX/IDIS/AXIS/AVIGILON
2	Hard disk 16tb	WD / SEAGATE
3	Professional ultra hd display panel, 4k, interactive	PANASONIC/ LG / SONY
<b>Furniture works</b>		
1	Modular kitchen	ALSORG, USP, GODREJ
2	Modular furniture along with soft finishing	FEATHERLITE, HERMAN MILLER, GODREJ
<b>Fire alarm / fighting works</b>		
1	G.I./M.S pipes.	JINDAL HISSAR, TATA, SAIL
2	Forged fittings.	VS, KS, TRUE FORGE, SANT
3	Valves	ZOLOTO, KARTAR, ADVANCE
4	`y' strainer	EMERALD, ZOLOTO, KARTAR,
5	Level controller & indicator (water)	ADVANCE AUTO, TECHNIKA, MINILEC
6	Paints	ASIAN PAINTS, BERGER, NEROLAC, DULUX
7	Pressure gauge	H GURU, FIEBIG, EMERALD, WIKA

<b>List of approved makes: Interior fit out for SPMCIL Civil Works &amp; Interior Works</b>		
8	Flexible rubber expansion joint	KANWAL EASYFLEX, RESISTOFLEX. DUNLOP
9	Flexible connections	SEUNGJIN-KOREA, TYCO, MINIMAX, RESISTOFLEX
10	Fire fighting equipments	MINIMAX, NEWAGE, SAFEX, SUPERX, LIFEGUARD
11	Sprinklers	TYCO, GRINNEL, BEST, HD, SANT
12	Welding rods	ADVANI, VICTOR, ADOR, ESAB
13	GI hangers	CHILLY, GMGR, SAIL, JINDAL HISSAR
14	Rubber hose pipe	SUPEREX, NEWAGE, SAFEFIRE, SAFEX
15	G.I./M.S pipes.	JINDAL HISSAR, TATA, SAIL, PRAKASH SURYA
16	Signages	GST, FST, COOPER, HINDUSTAN SIGNAGE, PR GRAPHICS
17	Emergency lights (led)	VIZION, REGENT, SKETCH LIGHTING
18	Pa system	HEINRICH, BOSCH, BOSE
19	Fire alarm system	JOHNSON CONTROLS IFC, CERBERUS SIEMENS, BOSCH UL
11	Copper piping	RAJCO, MANDEV, MEXFLOW
12	Drain pipe	POLYTECH, SUPREME, AKG, ASTRAL
13	Insulation	SUPREME, K-FLEX, A-FLEX, ARMAFLEX, OWENS CORNING
<b>Audio visual system works</b>		
1	Professional hd 138" all in one led screen	SAMSUNG / TECHNITIA / PANASONIC
2	Professional ultra hd display panel, 4k, interactive	SAMSUNG / SONY / PANASONIC
3	Full motion mount, wall mounts, projector lifts	TECHNITIA/ BTECH/ CHIEF
4	Wireless presentation platform	KRAMER/ EXTRON/ BARCO
5	Cable cubby with flip top	KRAMER/ EXTRON/ TECHNITIA
6	All in one conference unit	BOSE/ WYRESTORM/ EXTRON
7	Network ptz conference camera	QSC/VADDIO/BIRDDOG
8	Av switcher, tx & rx, av over ip	LIGHTWARE/ EXTRON/ RGB SPECTRUM
9	Wireless, wired & ceiling tile microphones	SHURE/ TECHNITIA/ DPA
10	Audio, video and control (av&c) processor	QSC/ BIAMP/ SHURE
11	Speakers & amplifiers	QSC/ MARTIN AUDIO / TECHNITIA
12	Network switch & access point	NETGEAR/ D LINK/ CISCO
13	Hdmi, usb vga cable 7 patch cords	LIGHTWARE/ WYRESTORM/ TECHNITIA
14	Speaker, microphone & other cables & connectors	LIGHTWARE/ WYRESTORM/ TECHNITIA
15	Equipment racks	VALRACK/NETRACK/ TECHNITIA
16	Ultra thin retractable touch monitor lifter with screen	ARTHUR HOLM / TECHNITIA / CHIEF
17	Room booking system	EXTRON / PANASONIC / CRESTRON
<b>Access control system works</b>		
1	Visitor management system	IDCUBE/APOLLO/LENEL/MAXXESS
2	Biometric machine, smart card	IDCUBE/APOLLO/LENEL/MAXXESS.IDEMIA
3	Ss based exit push, emergency glass break, electro magnetic lock double leaf	TRIMAC/KRITECH/NEDAP

<b>List of approved makes: Interior fit out for SPMCIL Civil Works &amp; Interior Works</b>		
4	8 and 4 core .75 sqmm copper flexible shielded	FINOLEX / EXCEL / DELTON/POLYCAB
5	server i7-7700t 2.9ghz processor	DELL/HP/IBM
<b>Other entrance works related</b>		
1	Shoe shining machine for entrance	DOLPHY, DYNAMIC, BOBRICK
2	Queue manager (reception area) in 304 grade	DOLPHY, TENSATOR, QMANAGER
3	Entrance matt for heavy traffic	DOLPHY, 3M, ASRO
<b>Building management system</b>		
1	BMS ( hardware & software )	SEIMENS, CARRIER (ALC), WAGO, TRISONIC, TRANE, NIAGARA HONEYWELL, SONICBOLT
2	Sensor & field devices	SIEMENS, GREYSTONE, OMICRON, HONEYWELL
3	PVC insulated Bms cable	RR KABEL, POLYCAB, HAVELS, KEI
4	Vacuum cleaning	SISTEMAIR, SACHVAC, SCHONBACH, EURO CLEAN

**Note:**

1. **The contractor shall obtain prior approval from the Engineer-in-charge before placing order for any specific material or engaging any of the specialized agencies.** The Contractor shall make a detailed submittal with catalogues and highlighted progressed specification, as well as full details of the works executed by the specialized agency, as specified.
2. All material to be of 1<sup>st</sup> quality.

**SECTION VIII: QUALITY CONTROL REQUIREMENTS**

**Mandatory Tests (wherever applicable)**

Clause	Material	Test	Field/ laborator y test	Test procedure	Min. quantity of material for carrying out the Test	Frequency of testing
1	2	3	4	5	6	7
3.1.1	Water	(i) pH Value (ii) Limits of Acidity (iii) Limits of Alkalinity (iv) Percentage of solids (a) Chlorides (b) Suspended matter (c) Sulphates (d) Inorganic solids (e) Organic solids	Lab Lab Lab Lab	IS 3025	-	Water from each source shall be tested before the commenceme nt of work and thereafter once in every three months till the completion of the work. Water from municipal source need be tested only once in six months. Number of Tests for each source shall be 3
3.1.2	Cement	(a) Physical requirement (i) Fineness (ii) Soundnes s (iii) Setting time(Initial & Final) (iv) Compressi ve strength (v) Consistenc y of standard cement paste	Lab Lab Lab  Lab Lab	IS 4031 (Part II) IS 4031 (Part III) IS 4031 (Part V) IS 4031 (Part VI) IS 4031 (Part IV)- 1988 (Reaffirm 2014)	Each lot	Every 50 tonnes or part thereof. Each brand of cement brought to site shall be tested as per this frequency.



Clause	Material	Test	Field/ laborator y test	Test procedure	Min. quantity of material for carrying out the Test	Frequency of testing
1	2	3	4	5	6	7
3.1.3.5	Sand	Bulking of Sand	Field	Appendix D	20 cum	Every 20 cum or part thereof or more frequently as decided by Engineer-in-Charge.
4.1.2.2	Stone aggregate	(a) Percentage of soft or deleterious material	Field or Laboratory - Test as required	IS 2386-Part II	As required By Engineer in- Charge	For all quantities
4.1.2.3		Particle size	Field/ Lab	Appendix 'A'	45 cum	For every 45 cum or part thereof for RCC Work only. For rest of items as decided by Engineer-in Charge
4.1.2.5		(a) Estimation of organic impurities	Field/ Lab	IS 2386-Part II	10 cum	For every 40 cum or part thereof
		(b) Surface moisture	Field/ Lab	IS 2386	10 cum	-do-
		(c) Determination of 10% fine value	Field/ Lab	IS 2386	10 cum	-do-
		(d) Specific gravity	Field/ Lab	IS 2386	10 cum	-do-
		(e) Bulk density	Field/ Lab	IS 2386	10 cum	-do-
		(f) Aggregate crushing strength	Field/ Lab	IS 2386	10 cum	-do-
		(g) Aggregate impact value	Field/ Lab	IS 2386	10 cum	-do-
4.2.2	Concrete	Slump test	Field	Appendix 'D'	10 cum	15 cum or part Thereof
5.4.1	Reinforce	(a) Slump test	Field/Lab	Appendix	(i) 5 cum	(ii) Every 20

Clause	Material	Test	Field/ laborator y test	Test procedure	Min. quantity of material for carrying out the Test	Frequency of testing
1	2	3	4	5	6	7
	d cement concrete (Nominal Mix)			'D' of Chapter 4	in case of column	cum or part thereof
					(ii) 20 cum for slabs, beams and connected columns	(i) Every 5 cum of part thereof
					(iii) 20 cum for other R.C.C. work for all other small items and where R.C.C. done in a day is less than 5 cum test may be carried out as required by Engineer- in-Charge	(iii) -Do-
5.4.9.1		(b) Cube Test	Lab	Appendix 'A'	(i) 5 cum in case of column	(i) Every 5 cum or part thereof
					(ii) 20 cum for slabs, beams and connected Columns	(ii) Every 20cum or part thereof
					(iii) 20 cum for other R.C.C.wor k for all other small items and where R.C.C. done in a day is less than 5 cum test may be	(iii) -Do

Clause	Material	Test	Field/ laborator y test	Test procedure	Min. quantity of material for carrying out the Test	Frequency of testing
1	2	3	4	5	6	7
					carried out as required by Engineerin g Charge	
Reinforced Cement Concrete (Design Mix)	Coarse Aggregate s				50 cum. or part thereof & also on each change of Source	
	Fine Aggregate s				50 cum or part thereof & also on each change of source	
	Cement				50 MT or on each change of source	
	Fresh Concrete	(a) Slump test	Field	Appendix 'D' of Chapter 4	10 cum	50 cum for R.C.C. work including in all other small location. R.C.C.done in a day is less than 50 cum test may be carried out as required by Engineer- in-Charge
	Fresh Concrete	(b) Cube Test	Lab	Appendix 'A'	10 cum or part thereof	50 cum or 10 batches of 5-7 cum each for

Clause	Material	Test	Field/ laborator y test	Test procedure	Min. quantity of material for carrying out the Test	Frequency of testing
1	2	3	4	5	6	7
						R.C.C. work in all location by Engineer- in-Charge
Reinforce d Cement Concrete (Ready Mix)	Coarse Aggregate s				50 cum or part thereof & also on each change of Source	
	Fine Aggregate s				50 cum or part thereof & also on each change of source	
	Cement				50 MT or on each change of source	
	Fresh Concrete	(a) Slump test	Field/Lab	Append ix 'D' of Chapter 4	10 cum	50 cum for R.C.C. work including in all other small location. R.C.C. done in a day is less than 50 cum test may be carried out as required by Engineer- in- Charge

Clause	Material	Test	Field/ laborator y test	Test procedure	Min. quantity of material for carrying out the Test	Frequency of testing
1	2	3	4	5	6	7
5.1.3	Steel for Reinforced cement concrete	(A) Physical Test and chemical tests			(a) For consignment below 100 tonnes (i) under 10 mm dia, one Sample for each 25 tonnes or part thereof (ii) 10 mm to 16 mm dia one sample for each 35 tonnes or part thereof (iii) over 16 mm dia one sample for each 45 tonnes or part thereof	(b) For consignment over 100 tonnes (i) Under 10 mm dia, one sample For each 40 tonnes or part thereof (ii) 10 mm to 16 mm, one sample for each 45 (iii) over 16 mm dia, one sample for each 50 tonnes or part thereof

**Note:**

- These tests are to be got done through any government lab, such as IIT/Engineering College/National Test House/NSIC/NABL approved lab/CPWD (Delhi Circle) empaneled lab etc. The testing charges including packing transportation shall be borne by the contractor/Vendor. No reimbursement shall be made towards testing charges by SPMCIL.
- Test report for factory products like cement, vitrified tiles aluminum color coated troughed profile sheets & others products have to be produced and attached with every brand & lot of materials.
- \* Test for Water, if requested & supplied by SPMCIL Corporate Office, shall not be done.

**OTHER QUALITY CONTROL REQUIREMENTS**

- All the items shall comply with technical specification as mentioned in BOQ.
- For the items wherein the quality parameters are not covered above, CPWD norms will be referred for accessing the quality of supplied items/works.

**SECTION IX: QUALIFICATION/ ELIGIBILITY CRITERIA**

<b>Criteria</b>	<b>Description</b>
<b>Experience &amp; Past Performance</b>	<p>The bidder should have experience of having successfully completed similar works* during last 7 years ending on 31.03.2024.</p> <p>(a) Three similar completed works each costing not less than the amount equal to Rs <b>376 Lakhs</b>.</p> <p align="center">OR</p> <p>(b) Two similar completed works each costing not less than the amount equal to Rs <b>470 Lakhs</b>.</p> <p align="center">OR</p> <p>(c) One similar completed work costing not less than the amount equal to Rs <b>751 Lakhs</b>.</p>
<b>Capability - Equipment &amp; Manufacturing Facilities</b>	<p>The bidder should be enlisted in either Central Public Works Department (CPWD) or Military Engineering Services (MES) or any other Government / PSU / Autonomous bodies (Please attach a copy of registration certificate)</p>
<b>Financial Standing</b>	<p>The average annual financial turnover of the bidder during the last three years, ending on 31.03.2024, should be at least <b>Rs 376 Lakh</b> as per the annual report (audited balance sheet and profit &amp; loss account) of the relevant period, duly authenticated by a Chartered Accountant/Cost Accountant in India.</p> <p>i) The net worth of the Bidder should not be negative on 31.03.2024 and also ii) should not have eroded by more than 30% in the last three years, ending on 31.03.2024.</p>

**Startups as recognized by Department of Industrial Policy & Promotion (DIPP) are exempted from furnishing the Bid Security/EMD and all financial criteria as above subject to their meeting the quality and technical specification. They should furnish a copy of valid ( i.e. they should be registered for the majority scope of tendered item/ works ) Certificate (along with the Bid) for of Recognition issued by DIPP.**

1. All experience, past performance and capacity /capability related / date should be certified by the authorized signatory of the bidder firm. The credentials regarding experience and past performance to the extent required as per eligibility criteria submitted by bidder may be verified from the parties for whom work has been done. Completion certificates from the appropriate authority of client, clearly indicating the nature/scope of work done, actual completion cost and actual date of completion for such work.
2. All financial standing data should be provided in the format "Financial Standing of the firm " as below duly certified by certified accountants i.e. Chartered Accountants (CA) along with audited balance sheets of the firm.
3. Bidder to furnish stipulated documents in support of fulfillment of qualifying criteria.

4. Non-submission or incomplete submission of documents may lead to rejection of offer/bid.
5. **“Similar works”** shall mean “Interior works comprising Civil works, Electrical Works, Sanitary Installation, Air Conditioning/VRV/HVAC, Fire Fighting, False Ceiling at any non-residential building, Repairing/Construction work of building”
6. The firm is mandatorily required to have EPF and ESI registration and shall attach the documentary evidence along with the bid.
7. **FORMAT FOR FINANCIAL STANDING OF THE FIRM**  
(Duly certified by Chartered Accountants (CA) along with audited balance sheets of the firm)

(Name of the firm)

The bidder should intimate their financial standing in the following format duly certified by a Chartered Accountant / cost Accountant

- a) Average Annual turnover of the firm during last three years ending 31.03.2024.

Sl.No.	Financial Year	Turnover (in lakh)
1.	2021-2022	_____
2.	2022-2023	_____
3.	2023-2024	_____

- b) Net worth of the firm during last three years ending 31.03.2024.

Sl.No.	Financial Year	Net Worth (in lakh)
1.	2021-2022	_____
2.	2022-2023	_____
3.	2023-2024	_____

## SECTION X: TENDER FORM

Date.....

To  
Security Printing and Minting Corporation of India Limited  
Corporate Office, 16<sup>th</sup> Floor,  
Jawahar Vyapar Bhavan  
Janpath, New Delhi.  
Pin code: 110001, India

Ref: Your Tender document No. ....dated .....

We, the undersigned have examined the above-mentioned tender enquiry document, including amendment No. -----, dated ----- (if any), the receipt of which is hereby confirmed. We now offer to supply and deliver..... (description of goods/services/works) in conformity with your above referred document for the sum shown in the price schedule(s), attached herewith and made part of this tender.

If our tender is accepted, we undertake to supply the goods and perform the services/works as mentioned above, in accordance with the delivery schedule specified in the List of Requirements.

We further confirm that, if our tender is accepted, we shall provide you with a performance security of required amount in an acceptable form in terms of GCC clause 6, read with modification, if any, in Section V – “Special Conditions of Contract”, for due performance of the contract.

We agree to keep our tender valid for acceptance for a period up to -----, as required in the GIT clause 19, read with modification, if any in Section-III – “Special Instructions to Tenderers” or for subsequently extended period, if any, agreed to by us. We also accordingly confirm to abide by this tender upto the aforesaid period and this tender may be accepted any time before the expiry of the aforesaid period. We further confirm that, until a formal contract is executed, this tender read with your written acceptance thereof within the aforesaid period shall constitute a binding contract between us.

We confirm that in case of downloaded Tender Document, we have not changed/ edited its contents. We realize that in case any such change is noticed at any stage including after the award of contract, we would be liable to action under clause 44 of the GIT.

We further understand that you are not bound to accept the lowest or any tender you may receive against your above-referred tender enquiry.

We also solemnly declare as under:

### **1. MSMEs Status:**

Having read and understood the Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 (as amended and revised till date), and solemnly declare the following:

- (a) Company/Partnership Firm/Proprietary Concern/Society/Trust/NGO/Others (Please Specify):.....
- (b) Micro/Small/Medium Enterprise/SSI/Govt. Deptt./PSU/Others:.....
- (c) Name of MSME Registering Body (NSIC/DIC/KVIC/KVIB etc.):.....
- (d) MSME Registration no. (with copy of registration):.....
- (e) Udyog Aadhaar Memorandum no. ....



(f) Whether Proprietor/ Partner belongs to SC/ST or Women category. (Please specify names and percentage of shares held by SC/ST Partners):.....

**2. Make in India Status:**

Having read and understood the Public Procurement (Preference to Make in India PPP\_MII) Order, 2017 (as amended and revised till date) and related notifications from the relevant Nodal Ministry/ Department, and solemnly declare the following:

(a) Self-Certification for category of supplier:

- Class-I Local Supplier/
- Class-II Local Supplier/
- Non-Local Supplier.

(b) We also declare that

- There is no country whose bidders have been notified as ineligible on reciprocal basis under this order for offered product, or
- We do not belong to any Country whose bidders are notified as ineligible on reciprocal basis under this order

**3. Restrictions on procurement from bidders from a country or countries, or a class of countries under Rule 144 (xi) of the General Financial Rules 2017**

Having read and understood the Order (Public Procurement No. 1) issued vide F.No.6/18/2019-PPD dated 23rd July 2020 (and its amendments if any) by Department of Expenditure, Ministry of Finance under the above provision and solemnly declare the following:

- We do not belong to any Country whose bidders are notified as ineligible under this order

**4. Debarment Status:** Please state whether your firm or any partners of your firm are not blacklisted by any unit of SPMCIL or Ministry of Finance:

- Yes (with period of Ban)
- No, We, solemnly declare that neither we nor any of our affiliates or subsidiaries – including subcontractors or suppliers for any part of the contract – do not stand declared ineligible/ blacklisted/ banned/ debarred by any Government Agency anywhere in the world, for participating in its tenders, under that country's laws or official regulations.

**5. Penalties for false or misleading declarations:** I/we hereby confirm that the particulars given above are correct and complete and also undertake to advise any future changes to the above details. We understood that any wrong or misleading self-declaration by us would be violation of code of Ethics and would attract penalties as mentioned in this tender document, including debarment.

.....  
(Signature with date)

.....  
(Name and designation)

Duly authorized to sign tender for and on behalf of

.....  
.....

**SECTION XI: PRICE SCHEDULE**

To,

The Manager (Materials)  
Security Printing and Minting Corporation of India Limited, 16<sup>th</sup> Floor,  
Jawahar Vyapar Bhawan, Janpath, New Delhi-110001

**OFFER FORM** for Tender No .....Date of opening .....Time.....Hours .....

We ..... hereby certify that we are an established/registered firm for undertaking the composite Works ( as per below scope of works ) and are open to inspection of our capacity/capability by the representative of SPMCIL. We hereby offer to undertake the following works at the prices indicated below:

Sl. No.	Description of Works	Estimated Amount ( in INR)	Qty.	Quoted Price (including all) in INR
(1)	(2)	(3)	(4)	(5)
1.	Complete Interior Fit out works including Flooring, Wall and Ceiling finishes, Partitioning, Civil, Furniture, Furnishing, Electrical, HVAC, MEP, Fire Fighting, IT and Audio-Visual Works of SPMCIL office space at WTC Nauroji Nagar, New Delhi	9,38,98,723	01 Job	

a. The bidder shall quote a Lump sum amount (*including cost of materials, installation charges, contractor profit, GST, Labour cess, EPF, ESI and other statutory levies*) in the bid against the estimated cost of work mentioned in Annexure C and shall also quote individual prices of each item mentioned in our BOQ sheet as per Annexure C in a separate document\* to be uploaded as an Annexure to bidder’s price bid, duly mentioning the GST, HSN Code against each item (*the total of such individual prices shall match with the lump sum total amount; failing which the lower value will be considered for award of contract*).

\* The format for breakup shall be as follows:

Description (as per BOQ)							
Sr. No.	DSR/MR	DESCRIPTION	QUANTITY	UNIT	Quoted Rate** (including all)	GST (in%) (as applicable)	HSN
1.							

\*\* including cost of materials, installation charges, contractor profit, GST, Labour cess, EPF, ESI and other statutory levies

**b. The L-1 bidder shall be decided based on the lowest quoted (Lump sum) price.**

**c. Furthermore, the actual quantity executed shall be measured & amount worked out shall be certified for payment purpose**

**d. Statutory Compliance:** All statutory compliance like PF, ESI shall be in the part of bidder. A declaration in this regard is required to be submitted by the bidder.

**1. Taxation Details:**

- a) PAN number
- b) Type of GST Registration (Registered, Unregistered, Composition, SEZ, RCM etc.)
- c) GSTIN number
- d) Registered Address as per GST registration and Place of Delivery for GST Purpose
- e) Contact Names, Nos. & email IDs for GST matters (Please mention primary and secondary contacts).....

**2.** It is hereby certified that we have understood the General and Special Instructions to Tenderers (GIT and SIT), and also the General and Special Conditions of Contract (GCC and SCC) attached to the tender and have thoroughly examined specifications/ Quality Control Requirements and other stipulations in Section VII & VIII – Technical Specifications and Quality Control Requirements; and are thoroughly aware of the nature of works required and our offer is to supply works strictly in accordance with the requirements and according to the terms of the tender. We agree to abide solely by the General and Special Conditions of Contract and other conditions of the tender in accordance with the tender documents if the contract is awarded to us.

**3.** We hereby offer to supply the works detailed above or such portion thereof, as you may specify in the acceptance of tender at the price quoted and agree to hold this offer open for acceptance for a period of ---- days from the date of opening of tender (i.e., upto -----), We shall be bound by the communication of acceptance dispatched within the prescribe time.

**4.** Earnest Money/Bid Guarantee for an amount equal to ..... is enclosed in form of. -----(form and reference number, date) as per the Tender Documents.

Dated.....

Signature and seal of Bidder

**Note -**

- (i) The Bidder may prepare their own offer forms as per this proforma.
- (ii) No change in the proforma is permissible.
- (iii) No erasures or alternations in the text of the offer are permitted. Any correction made in the offer shall be initialled by the bidder.
- (iv) Figures in Columns 5 should be in both figures and words.
- (v) This Section should not bring in any new Technical Parameter that has not been mentioned in the Technical Bid.

**SECTION XII: VENDOR DETAILS**

The tenderer should furnish specific details mentioned below. In case a question/ issue does not apply to a tenderer, the same should be answered with the remark “not applicable”.

Wherever necessary and applicable, the tenderer shall enclose certified copy as documentary proof/ evidence to substantiate the corresponding statement.

In case a tenderer furnishes a wrong or misleading answer against any of the under mentioned question/ issues, its tender will be liable to be ignored.

**1. Vendor/ Contractor particulars:**

- (a) Name of the Company:.....
- (b) Corporate Identity No. (CIN): .....
- (c) Registration if any with SPMCIL: .....
- (d) Complete Postal Address: .....
- (e) Pin code/ ZIP code: .....
- (f) Telephone nos. (with country/area codes): .....
- (g) Fax No.: (with country/area codes): .....
- (h) Cell phone Nos.: (with country/area codes): .....
- (i) Contact persons /Designation: .....
- (j) Email IDs: .....

**2. Taxation Details:**

- (a) PAN number: .....
- (b) Type of GST Registration (Registered, Unregistered, Composition, SEZ, RCM etc.): .....
- (c) GSTIN number: .....
- (d) Registered Address as per GST registration and Place of Delivery for GST Purpose: .....
- (e) Contact Names, Nos. & email IDs for GST matters (Please mention primary and secondary contacts): .....

- We solemnly declare that our GST rating on the GST portal / Govt. official website is NOT negative / blacklisted during the last three financial years.

.....  
(Signature with date)  
.....  
.....

(Full name, designation & address of the person duly authorized sign on behalf of the tenderer)  
For and on behalf of

.....  
.....  
(Name, address, and stamp of the tendering firm)

**SECTION XIII: BANK GUARANTEE FORM FOR EMD**

**BANK GUARANTEE FOR BID GUARANTEE**

***(ON BANK'S LETTERHEAD WITH ADHESIVE STAMP)***

Ref .....

Date .....

Bank Guarantee No .....

To,

(Insert Name & Address of the Purchaser)

Dear Sir,

Whereas ..... (Hereinafter called the "Tenderer") has submitted its bid numbered ..... dated ..... for the supply of ..... (Hereinafter called the "tender") against ..... 's (insert name of Purchaser) (hereinafter called as the 'Purchaser') tender enquiry No. .... opened on ..... Know all persons by these presents that we ..... of ..... (hereinafter called the "Bank") having our registered office at ..... are bound unto the Purchaser, in the sum of ..... for which payment will and truly be made forthwith, on demand by the Purchaser, without demure to the said Purchaser, the Bank binds itself, its successors and assigns by these presents.

Sealed with the Common Seal of the said Bank this..... day of .....20.....

The conditions of this obligation are —

- (1) If the Tenderer withdraws or amends, impairs, or derogates from the tender, in any respect within the period of validity of this tender.
- (2) If the Tenderer or anyone employed by it or acting on its behalf (whether with or without the knowledge of the Tenderer) breaches any of the provisions of the pre-bid/ Pre-contract Integrity Clause.
- (3) If the Tenderer having been notified of the acceptance of his tender by Purchaser during the period of its validity:-

a) Fails or refuses to furnish the performance security for the due performance of the contract.

b) Fails or refuses to accept/ execute the contract.

We undertake to pay Purchaser up to the above amount, upon receipt of its first written demand, without Purchaser having to substantiate its demand, provided that in its demand Purchaser will note that the amount claimed by it, is due to it owing to the occurrence of one or more or all the above conditions, specifying the occurred condition(s). We agree that the decision of the Purchaser, whether above conditions have occurred, shall be final and binding on us.

This guarantee will remain in force for a period of ..... ***(insert the period of validity plus 45 days, in words and figures)*** days after the date of .....***(insert date of tender opening)*** and any demand in respect thereof should reach the Bank not later than the above date.

Date

Place

Signature

**(Printed Name)**

**(Designation)**

Witnesses

**(Bank's Common Seal)**

**SECTION XV: BANK GUARANTEE FORM FOR PERFORMANCE SECURITY**

**PROFORMA OF BANK GUARANTEE FOR CONTRACT PERFORMANCE  
GUARANTEE BOND**

**(ON BANK'S LETTERHEAD WITH ADHESIVE STAMP)**

Ref .....

Date .....

Bank Guarantee No .....

To,

**(Insert Name & Address of the Purchaser)**

Dear Sir,

1. Against contract vide Notification for Award of the Tender No .....dated ..... covering supply of .....(hereinafter called the 'contract') entered into between the .....**(insert name of Purchaser)** (herein after called as the Purchaser) and M/s....., (here in after called the 'Contractor'), this is to certify that, at the request of the Contractor, we .....

**(name of the bank)**, are holding in trust in favour of the Purchaser, the amount of .....**(write the sum here in words)**, to indemnify and keep indemnified the Purchaser, against any loss or damage that may be caused to, or suffered by the Purchaser, by reason of any breach by the Contractor of any of the terms and conditions of the said contract and/or in the performance thereof. We agree that the decision of the Purchaser, whether any breach of any of the terms and conditions of the said contract and/or in the performance thereof has been committed by the Contractor; and the amount of loss or damage that has been caused or suffered by the Purchaser, shall be final and binding on us, and the amount of the said loss or damage shall be paid by us, forthwith on demand and without demur to the Purchaser.

2. We ..... **(name of the bank)**, further agree that, the guarantee herein contained, shall remain in full force and effect, for sixty days after the complete conclusion of the contractual obligations to the complete satisfaction of both the BIDDER and the BUYER, including warranty period whichever is later, i.e. till ....., (hereinafter called the 'said date') and that if any claim accrues or arises against us ..... **(name of the bank)**, by virtue of this guarantee before the said date, the same shall be enforceable against us ..... **(name of the bank)**, notwithstanding the fact that the same is enforced within six months after the said date, provided that notice of any such claim has been given to us ..... **(name of the bank)**, by the Purchaser, before the said date. Payment under this bond of guarantee shall be made promptly, upon our receipt of notice to that effect, from the Purchaser.



3. It is fully understood that this guarantee is effective from the date of the said contract and that we ..... **(name of the bank)**, undertake not to revoke this guarantee during its currency, without the consent in writing of the Purchaser.
4. We undertake to pay to the Purchaser, any money so demanded, notwithstanding any dispute or disputes raised by the Contractor, in any suit or proceeding pending before any Court or Tribunal, relating thereto, our liability under this present, being absolute and unequivocal. The payments so made by us under this bond, shall be a valid discharge of our liability for payment thereunder, and the Contractor shall have no claim against us, for making such payments.
5. We..... **(name of the bank)**, further agree that the Purchaser shall have the fullest liberty, without affecting in any manner our obligations hereunder, to vary any of the terms and conditions of the said contract, or to extend time of performance by the Contractor, from time to time, or to postpone for any time or form, time to time, any of the powers exercisable by the Purchaser, against the said Contractor and to for bear or enforce any of the terms and conditions relating to the said contracts and we..... **(name of the bank)**, shall not be released from our liability under this guarantee, by reason of any such variation or extension being granted to the said Contractor, or for any forbearance and/or omission on the part of the Purchaser, or any indulgence by the Purchaser towards the said Contractor, or by any other matter or thing whatsoever, which under the law relating to sureties, would, but for this provision, have the effect of so releasing us from our liability under this guarantee.
6. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor.

Date

Place

Signature  
**(Printed Name)**  
**(Designation)**

Witnesses

**(Bank's Common Seal)**

**SECTION XVI: CONTRACT FORM**

**(SPMCIL Corporate Office, New Delhi)**

Contract No..... dated.....

This is in continuation to this office' Notification of Award No..... dated .....

1. Name & address of the Supplier: .....

2. SPMCIL's Tender document No..... dated..... and subsequent Amendment No....., dated..... (If any), issued by SPMCIL

3. Supplier's Tender No..... dated..... and subsequent communication(s) No..... dated ..... (If any), exchanged between the supplier and SPMCIL in connection with this tender.

4. In addition to this Contract Form, the following documents etc, which are included in the documents mentioned under paragraphs 2 and 3 above, shall also be deemed to form and be read and construed as part of this contract:

- (i) General Conditions of Contract;
- (ii) Special Conditions of Contract;
- (iii) List of Requirements;
- (iv) Technical Specifications;
- (v) Quality Control Requirements;
- (vi) Tender Form furnished by the supplier;
- (vii) Price Schedule(s) furnished by the supplier in its tender;
- (viii) Manufacturers' Authorisation Form (if applicable for this tender);
- (ix) SPMCIL's Notification of Award

Note: The words and expressions used in this contract shall have the same meanings as are respectively assigned to them in the conditions of contract referred to above. Further, the definitions and abbreviations incorporated under Section – V - 'General Conditions of Contract' of SPMCIL's Tender document shall also apply to this contract.

5. Some terms, conditions, stipulations etc. out of the above-referred documents are reproduced below for ready reference:

(i) Brief particulars of the goods and services which shall be supplied/ provided by the supplier are as under:

<b>Schedule No.</b>	<b>Brief description of goods/ services</b>	<b>Accounting Unit</b>	<b>Quantity to be supplied</b>	<b>Unit Price (in Rs.)</b>	<b>Total price</b>

Any other additional services (if applicable) and cost there of: .....

Total value (in figure) \_\_\_\_\_ (In words) \_\_\_\_\_

- (ii) Delivery schedule
- (iii) Details of Performance Security
- (iv) Quality Control
  - (a) Mode(s), stage(s), and place(s) of conducting inspections and tests.
  - (b) Designation and address of SPMCIL's inspecting officer
- (v) Destination and despatch instructions
- (vi) Consignee, including port consignee, if any
- (vii) Warranty clause
- (viii) Payment terms
- (ix) Paying authority

.....  
(Signature, name, and address of SPMCIL's authorized official)

For and on behalf of.....  
Received and accepted this contract .....

(Signature, name, and address of the supplier's executive duly authorized to sign on behalf of the supplier)

For and on behalf of .....

(Name and address of the supplier)

.....  
(Seal of the supplier)

Date:

Place:

**SECTION XVIII: PROFORMA OF BILLS FOR PAYMENTS**

(Refer Clause 22.6 of GCC)

Name and Address of the Firm.....

Bill No..... Dated.....

Purchase order.....No.....Dated.....

Name and address of the consignee.....

S. No	Authority for purchase	Description of Stores	Number or quantity	Rate Rs. P.	Price per Rs. P.	Amount
Total						

1. GST/ CGST/ SGST/ UTGST/ IGST Amount
2. Freight (if applicable)
3. Excise Duty (if applicable)
4. Packing and Forwarding charges (if applicable)
5. Others (Please specify)
6. PVC Amount (with calculation sheet enclosed)
7. (-) deduction/Discount
8. Net amount payable (in words Rs.)

Dispatch detail RR No. other proof of despatch.....

Dated.....(enclosed)

Inspection Certificate No.....Dated.....(enclosed)

Place and Date

Received Rs.....  
Rupees).....

• We solemnly certify that:

- a. Goods and Services Tax (GST) charged on this Bill is not more than what is payable under the provision of the relevant Act or the Rules made there under.
- b. Goods on which GST has been charged have not been exempted under the GST Act or the rules made there under and the charges on account of GST on these goods are correct under the provisions of that Act or the Rules made there under.
- c. We are registered with above indicated GSTIN as dealer in the State where in their Billing address is located for the purpose of GST.
- d. This bill form / invoice is not a replacement for the GST invoice. The proper GST invoice as per requirements of GST rules has been sent to the Purchaser as and when deliveries are made to the consignee.
- e. that the payment being claimed is strictly in terms of the contract and all the obligations on the part of the supplier for claiming that payment has been fulfilled as required under the contract.

Revenue stamp

Signature and of Stamp Supplier

**SECTION XIX: NEFT MANDATE**

(Refer clause 22.2 of GCC)

From: M/s. ....

Date: .....

To:

SPMCIL Corporate Office,  
New Delhi

Sub: NEFT payments

We refer to RBI's NEFT scheme. Our mandate SPMCIL for making payments to us through the above scheme to our under noted account.

**NATIONAL ELECTRONIC FUNDS TRANSFER MANDATE FORM**

1	Name of City	
2	Bank Code No.	
3	Branch Code No.	
4	Bank's Name	
5	Branch Address	
6	Branch Telephone / Fax No.	
7	Supplier's Account No.	
8	Type of Account	
9	IFSC code for NEFT	
10	IFSC code for RTGS	
11	Supplier's name as per Account	
12	MICR Code No.	

In Lieu of Bank Certificate to be obtained as under, please attach a bank cancelled cheque or photocopy of a cheque or front page of your bank passbook issued by your bank for verification of the above particulars.

I hereby declare that the particulars given above are correct and complete. If the transaction is delayed or not effected at all for reasons of incomplete or incorrect information, I would not hold the user institution responsible. I have read the option intimation letter and agree to discharge responsibility expected of me as a participant under the scheme.

Date

Signature of the Customer

Certified that the above particulars are correct as per our record.

Stamp and  
Signature of authorized  
official of the bank

## Section II: General Instructions to Tenderer (GIT)

### Part I: General Instructions Applicable to all Types of Tenders

#### A PREAMBLE

##### 1. Introduction

- 1.1 Definitions and abbreviations, which have been used in these documents, shall have the meanings as indicated in GCC.
- 1.2 For sake of convenience, whole of this Standard Bidding Document (including all sections) is written in reference to Procurement of Goods Tenders. However, this SBD would be utilized for all types of Tenders e.g., EOI, PQB, Rate Contract, Tenders involving Samples, Sale/ Disposal of Scrap Material and Development/ Indigenization/ Make-in-India etc. Procurement of Services etc. Therefore, the construction of all clauses are to be interpreted in the context of particular type of tender beyond the letter of the clause, read with the additional clauses for the specific type of tenders in Part II GIT/ GCC.
- 1.3 These tender documents have been issued for the requirements mentioned in Section –VI - “List of Requirements”, which also indicates, inter-alia, the required delivery schedule and terms & place (i.e., destination) of delivery.
- 1.4 This section (Section II - “General Instruction Tenderers” - GIT) provides the relevant information as well as instructions to assist the prospective tenderers in preparation and submission of tenders. It also includes the mode and procedure to be adopted for receipt and opening as well as scrutiny and evaluation of tenders and subsequent placement of contract. With this limited objective, GIT is not intended to be complete by itself and the rest of this document - SIT, GCC and SCC in particular may also be thoroughly studied before filling up the Tender Document. There would be certain topics covered in GIT/SIT as well as in GCC/ SCC from different perspectives. In case of any conflict between these, provisions of GCC/ SCC would prevail.
- 1.5 The tenderers shall also read the Special Instructions to Tenderers (SIT) related to this purchase, as contained in Section III of these documents, and follow the same accordingly. Whenever there is a conflict between the GIT and the SIT, the provisions contained in the SIT shall prevail over those in the GIT.
- 1.6 **LOCAL CONDITIONS:** It is imperative that each bidder fully acquaints himself with all the local conditions and factors, which would have any effect on the performance/ completion of the contract in all respects inter alia including the legal, environmental, infrastructure, Logistics, communications, and cost aspects. Bidders would themselves be responsible for compliance with Rules, Regulations, Laws and Acts in force from time to time in India and/ or country of manufacture & supply. On such matters, the Purchaser shall not entertain any request from the bidders.
- 1.7 **Obtaining the Tender Documents:** Interested tenderers may obtain further information about this requirement from the office issuing the documents, mentioned in the NIT. They may also visit website mentioned therein for further details.



1.7.1. Tenderer may also download the tender documents from the web site mentioned in NIT and submit its tender by utilizing the downloaded document, the bidder must not make any changes to the contents of the documents, except for filling the required information. A certificate to this effect must be submitted by the bidder in the Tender Form (Section X).

1.7.2. The tender documents are not transferable.

## 2. Language of Tender

The tender submitted by the tenderer and all subsequent correspondence and documents relating to the tender exchanged between the tenderer and SPMCIL, shall be written in the Hindi or English language, unless otherwise specified in the Tender. However, the language of any printed literature furnished by the tenderer in connection with its tender may be written in any other language provided the same is accompanied by Hindi or English translation. For purposes of interpretation of the tender, the English version/ translation shall prevail.

## 3. Eligible Tenderers

- 3.1 Subject to provisions in following paras in this section, this invitation for tenders is open to all suppliers who fulfil the eligibility criteria specified in these documents. Please refer to *Section IX: Qualification/ Eligibility Criteria*. In case of Second Stage (after the Pre-Qualification stage) of two Stage Bidding or in case of Special Limited Tenders this invitation is open only to such bidders who have been shortlisted.
- 3.2 The bidder, their affiliates, or subsidiaries – including subcontractors or suppliers for any part of the contract – should not stand declared debarred by DoE, MoF, GoI; DEA, MoF, GoI; SPMCIL; procuring unit of SPMCIL. A declaration to this effect shall be submitted by the bidder in the Tender Form (Section X).
- 3.3 Unless otherwise stipulated in the NIT/ SIT, Joint Ventures/ Consortiums shall not be considered in this Tender.
- 3.4 Under Public Procurement (Preference to Make in India) Order 2017 (as amended/ revised from time to time) any Nodal Ministry for its items may issue directions to exclude bidders from a country from eligibility for its procurement as measure of reciprocity of such action by that country against Indian Suppliers. For this purpose, a supplier or bidder shall be considered to be from a country if (i) the entity is incorporated in that country, or ii) a majority of its shareholding or effective control of the entity is exercised from that country; or (iii) more than 50% of the value of the item being supplied has been added in that country. Indian suppliers shall mean those entities which meet any of these tests with respect to India.
- 3.5 Ministry of Finance, Department of Expenditure, Public Procurement Division, Orders (Public Procurement 1, 2 and 3) F.No.6/18/2019-PPD dated 23<sup>rd</sup>/ 24<sup>th</sup> July 2020 (or any further amendments thereof) regarding eligibility of bidders from specified countries shall be applicable to this tender. Salient features of this are:

- I. Any bidder from a country which shares a land border with India (*excluding countries as listed on the website of Ministry of External Affairs, to which the Government of India has extended lines of credit or in which the Government of India is engaged in development projects*) will be eligible to bid in this tender only



if the bidder is registered with the Registration Committee constituted by the Department for Promotion of Industry and Internal Trade (DPIIT). The bidders shall enclose following certificate in this regard:

*“We have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; and solemnly certify that we are not from such a country or, if from such a country, we are registered with the Competent Authority (copy enclosed). We hereby certify that we fulfil all requirements in this regard and are eligible to be considered.”*

- II. In tenders for Turnkey contracts including Works contracts, the successful bidder shall not be allowed to sub-contract works to any contractor from a country which shares a land border with India unless such contractor is similarly registered with the Registration Committee constituted by the Department for Promotion of Industry and Internal Trade (DPIIT). In such cases the bidders shall enclose following certificate:

*“We have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries,; and solemnly certify that we are not from such a country or, if from such a country, we are registered with the Competent Authority (copy enclosed) and we will not subcontract any work to a contractor from such countries unless such contractor is registered with the Competent Authority. We hereby certify that we fulfil all requirements in this regard and are eligible to be considered.”*

- III. “Bidder” (including the term ‘tenderer’, ‘consultant’ or ‘service provider’ in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.
- IV. “Bidder from a country which shares a land border with India” for the purpose of this Order means: -
- An entity incorporated, established, or registered in such a country; or
  - A subsidiary of an entity incorporated, established, or registered in such a country; or
  - An entity substantially controlled through entities incorporated, established, or registered in such a country; or
  - An entity whose beneficial owner is situated in such a country; or
  - An Indian (or other) agent of such an entity; or
  - A natural person who is a citizen of such a country; or
  - A consortium or joint venture where any member of the consortium or joint venture falls under any of the above





- V. The beneficial owner for the purpose of (III) above will be as under:
- (a) In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s). Who, whether acting alone or together, or through one or more juridical person, has a controlling ownership interest or who exercises control through other means.
- (b) Explanation-
1. “Controlling ownership interest” means ownership of or entitlement to more than twenty-five per cent. of shares or capital or profits of the company.
  2. In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership.
  3. In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals;
  4. Where no natural person is identified under (1) or (2) or (3) above, the beneficial owner is the relevant natural person who holds the position of senior managing official.
  5. In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.
- VI. An Agent is a person employed to do any act for another, or to represent another in dealings with third person.
- 3.6 In case Integrity Pact is mandated in the SIT, only those bidders who sign the Integrity Pact, would be eligible to participate in the Tender.

#### 4. Eligible Goods and Services

All goods and related services to be supplied under the contract shall have their origin in India or other countries, subject to any restriction imposed in this regard in para above and Section III (SIT). The term “origin” used in this clause means the place where the goods are mined, grown, produced, or manufactured or from where the related services are arranged and supplied.

#### 5. Tendering Expense

The tenderer shall bear all costs and expenditure incurred and/ or to be incurred by it in connection with its tender including preparation, mailing and submission of its tender and for subsequent processing the same. SPMCIL will, in no case be responsible or liable for any such cost, expenditure etc regardless of the conduct or outcome of the tendering process.

## B TENDER DOCUMENTS

### 6. Content of Tender Documents

6.1 The tender documents includes:

1. Section I - Notice Inviting Tender (NIT)
2. Section II - General Instructions to Tenderers (GIT)
3. Section III - Special Instructions to Tenderers (SIT)
4. Section IV -General Conditions of Contract (GCC)
5. Section V - Special Conditions of Contract (SCC)
6. Section VI - List of Requirements
7. Section VII - Technical Specifications
8. Section VIII - Quality Control Requirements
9. Section IX – Qualification/ Eligibility Criteria
10. Section X - Tender Form
11. Section XI - Price Schedule
12. Section XII – Vendor Details
13. Section XIII - Bank Guarantee Form for EMD
14. Section XIV - Manufacturer’s Authorization Form
15. Section XV - Bank Guarantee Form for Performance Security
16. Section XVI - Contract Form
17. Section XVII: Letter of Authority for attending a Bid Opening
18. Section XVIII: Proforma of Bills for Payments
19. Section XIX: NEFT Mandate
20. Section XX: Integrity Pact

6.2 The relevant details of the required goods and services, the terms, conditions and procedure for tendering, tender evaluation, placement of contract, the applicable contract terms and, also, the standard formats to be used for this purpose are incorporated in the above-mentioned documents. The interested tenderers before formulating the tender and submitting the same to SPMCIL, should read and examine all the terms, conditions, instructions etc. contained in the tender documents. Failure to provide and/ or comply with the required information, instructions etc. incorporated in these tender documents may result in rejection of its tender.

### 7. Amendments to Tender Documents

7.1 At any time prior to the deadline for submission of tenders, SPMCIL may, for any reason deemed fit by it, modify the tender documents by issuing suitable amendment(s) to it.

7.2 Such an amendment will be notified on the website and also in writing by registered/ speed post or by fax/ telex/ e-mail, followed by copy of the same by suitable recorded post to all prospective tenderers, which have received the tender documents and will be binding on them.



- 7.3 In order to provide reasonable time to the prospective tenderers to take necessary action in preparing their tenders as per the amendment, SPMCIL may, at its discretion extend the deadline for the submission of tenders and other allied time frames, which are linked with that deadline.

## 8. Pre-Bid conference

- 8.1 In case Pre-bid conference is specifically stipulated in the NIT or SIT, prospective bidders interested in participating in this tender may attend a pre-bid conference for clarification on technical specifications and commercial conditions of the Tenders, at the venue, date and time specified in NIT/ SIT. Participation in the Pre-bid conference is restricted to prospective bidders who have purchased the Bid Documents. Proof of Purchase of Bid Documents must be submitted at the time of registration for participation or along with written queries or with letter of Authority for attending the pre-bid Conference. Bid documents for sale would also be available at the site.
- 8.2 Participation is not mandatory, however, in case a bidder chooses not to participate (or fails to do so) in the pre-bid conference, it would be assumed that they have no issues regarding the Technical/ commercial specifications/ conditions.
- 8.3 The date and time by which the written queries for the Pre-bid must reach the authority is mentioned in the NIT.
- 8.4 The last date for registration for participation in the pre-bid conference is also mentioned in the NIT.
- 8.5 Delegates coming for the pre-bid conference must bring with them a photo identity and also an authorization letter as per format in Section XVII: "Letter of Authority for attending a Pre-Bid Conference/ Bid Opening" from their Company/ principals, else they would not be allowed to participate.
- 8.6 After the pre-bid conference a clarification letter would be issued, containing amendments if required, of various provisions of the Bid-Documents, which shall form part of the Bid-document.

## 9. Clarification of Tender Documents

The provisions in this Bid documents, must be interpreted in the context in which these appear. Any interpretation of these provisions far removed from such context or any other contrived or in between the lines interpretation is not acceptable. A Tenderer requiring any clarification or elucidation on any issue of the tender documents may take up the same with SPMCIL in writing or by fax / e-mail/ telex. SPMCIL will respond in writing to such request provided the same is received by SPMCIL not later than twenty-one days (unless otherwise specified in the SIT) prior to the prescribed date of submission of tender. Copies of the query and clarification shall be sent to all prospective bidders who have received the bidding documents.

## C PREPARATION OF TENDERS

### 10. Documents Comprising the Tender

- 10.1 Unless otherwise indicated in NIT/ SIT "**Technical bid**" shall include inter-alia (including any changes in the following as per NIT/ SIT):



- (i) Tender Form/ Covering letter as per format in Section X
- (ii) Section VI - List of Requirements, showing the schedules and quantities quoted by them for which Price Schedule are enclosed in the Financial Bid. No pricing detail shall be disclosed or hinted upon in any manner in the Technical bid.
- (iii) Documentary evidence, as necessary in terms of GIT clauses 3 and 16, establishing that the tenderer is eligible to submit the tender and, also, qualified to perform the contract if its tender is accepted. Section IX – Qualification/ Eligibility Criteria shall also be filled up/ compliance commented upon.
- (iv) Documents and relevant details to establish in accordance with GIT clause 4 and 17 that the goods and the allied services to be supplied by the tenderer conform to the requirement of the tender documents along with list of deviations if any (ref clause 17.2 of GIT). Section VII - Technical Specifications and Section VIII - Quality Control Requirements shall also be filled up/ compliance thereof commented upon. The tenderers may also enclose in their technical bids, technical literature, and other documents as and if considered necessary by them.
- (v) Earnest money amount in the currencies (as specified in the Section VI: List of Requirements) furnished in accordance with GIT clause 18.1 alternatively, documentary evidence as per GIT clause 18.2 for claiming exemption from payment of earnest money.
- (vi) Vendor Details as per Section XII.
- (vii) Manufacturer's Authorization Form (ref Section XIV, if applicable)
- (viii) A list of deviations (ref Clause 19.4) from the clauses of this SBD, if any. And
- (ix) If so stipulated in NIT/ SIT, duly signed Integrity Pact as per Section XX.

Note: No price details should be given or hinted in the Technical Bid.

**10.2** Unless otherwise indicated in NIT/ SIT “**Financial Bid**” shall include inter-alia (including any changes in the following as per NIT/ SIT):

- i). the Price Schedule (Section XI) and all financially relevant details. Prices shall be quoted duly taking into consideration, the Payment and delivery terms.

Note: No additional Technical details, which have not been brought out in the Technical Bid may be brought out in the Financial Bid.

**10.3** A tender, that does not fulfil any of the above stipulations and/ or gives evasive information/ reply against any such stipulations, shall be liable to be ignored and rejected.

**10.4** Tender sent by fax/email/ telex/ cable shall be ignored.

However, PAC tender received through e-mail shall not be ignored.

## 11. Tender currencies

**11.1** Unless otherwise specified, the tenderer shall quote only in Indian rupees.

**11.2** Where the NIT/ SIT specifies acceptance of quotations in different currencies, then, for



domestic goods, prices shall be quoted in Indian rupees only and for imported goods, prices shall be quoted either in Indian rupees or in the currency stipulated in the SIT, mentioning, inter-alia, the exchange rate adopted for converting foreign currency into Indian Rupees. As regards price(s) for allied services, if any required with the goods, the same shall be quoted in Indian Rupees if such services are to be performed / undertaken in India. Commission for Indian Agent, if any and if payable shall be indicated in the space provided for in the price schedule and quoted in Indian Rupees only.

- 11.3** Tenders, where prices are quoted in any other way shall be treated as unresponsive and rejected.

## 12. Tender Prices

- 12.1** The Tenderer shall indicate on the Price Schedule provided under Section XI all the specified components of prices shown therein including the unit prices and total tender prices of the goods and services it proposes to supply against the requirement. Delivery Schedule and Terms of delivery are also to be quoted in Section XI. All the columns shown in the price schedule should be filled up as required. If any column does not apply to a tenderer, same should be clarified accordingly by the tenderer.
- 12.2** Unless otherwise stipulated in the NIT/ SIT, if there is more than one schedule in the List of Requirements, the tenderer has the option to submit its quotation for any one or more schedules and, also, to offer special discount for combined schedules. However, while quoting for a schedule, the tenderer shall quote for the complete requirement of goods and services as specified in that particular schedule.
- 12.3** The quoted prices for goods offered from within India and that for goods offered from abroad are to be indicated separately in the applicable Price Schedules attached under Section XI.
- 12.4** While filling up the columns of the price schedule, the following aspects should be noted for compliance:
- 12.5** For goods offered from within India, the prices in the corresponding price schedule shall be entered separately in the following manner:
- The price of the goods, quoted ex-factory, ex-showroom, ex-warehouse or off-the-shelf, as applicable, including all taxes and duties like GST/ CGST/ SGST/ UTGST/ IGST, custom duty, etc. already paid or payable on the components and raw material used in the manufacture or assembly of the goods quoted ex-factory etc or on the previously imported goods of foreign origin quoted ex-showroom etc.
  - Any GST/ CGST/ SGST/ UTGST/ IGST, which will be payable on the goods in India if the contract is awarded.
  - Charges towards inland transportation, insurance, and other local costs incidental to delivery of the goods to their final destination as specified in the List of Requirements and
  - The price of incidental services, as and if mentioned in List of Requirements.

**12.6 GST/ CGST/ SGST/ UTGST/ IGST:**

- (a) All the bidders/ tenders should ensure that they are GST compliant and their quoted tax structure /rates are as per GST Law.
- (b) As per the GST Act the bid and contract must show the GST Tax Rates (and GST Cess if applicable) and GST Amount explicitly and separate from the bid/ contract price (exclusive of GST). Bid-price inclusive of taxes/ GST would be a violation of the GST Act. In case any taxes, duties are not clearly specified, or column is left blank in price bid then it will be presumed that no such tax/levy is applicable or payable by SPMCIL. However, the price should be inclusive of any other taxes or levies if any, already paid or payable.
- (c) If a tenderer asks for GST/ CGST/ SGST/ UTGST/ IGST (and GST Cess if applicable) to be paid extra, the rate and nature of such taxes applicable should be shown separately. Such taxes will be paid as per the rate at which it is liable to be assessed or has actually been assessed provided the transaction of sale is legally liable to such taxes and is payable as per the terms of the contract. The payment of GST and GST Cess to contractor/supplier would be made only on the latter submitting a Bill/invoice in accordance with the provision of relevant GST Act and the rules made there under and after online filing of valid return on GST portal.
- (d) Bidders should quote 'GST' if payable extra on total basic rate of each item, please quote GST in '%' inclusive of cess. GST will be applicable on 'basic rate + Packing & forwarding charges + Freight + Insurance'.
- (e) GST Registration Number (15-digit GSTIN). In case bidder has multiple business verticals in a state and having separate registration for each business vertical, GSTIN of each vertical concerned with the supply and service involved, as per the scope of NIT to be informed to SPMCIL. If supply / service provided is from multiple states, then bidder should mention GST Registration Number for each state separately.
- (f) If bidder is not liable to take GST registration, i.e., having turnover below threshold, bidders need to submit undertaking / indemnification against tax liability. The bidder/ dealer shall not charge any GST and/or GST Compensation Cess on the bill/invoice. In such case, applicable GST will be deposited by CCL directly to concerned authorities. Further the bidder should notify and submit to SPMCIL within 15 days from the date of becoming liable to registration under GST.
- (g) Those bidders who have opted for Composition scheme under GST, they have to submit a declaration to indicating their GST registration no.
- (h) HSN (Harmonized System of Nomenclature) code for the goods being supplied by the vendor for each item covered under this NIT has to be declared in the Technical bid. Services Accounting Code (SAC) for classification of services under GST for each item covered under this NIT has to be declared in the Technical bid
- (i) All necessary adjustment vouchers such as Credit Notes / Debit Notes for any short/excess supplies or revision in prices or for any other reason under the Contract shall be submitted to SPMCIL Ltd., as per GST provisions.
- (j) In the event of default on his part in payment of tax and submission / uploading of monthly returns, SPMCIL is well within its powers to withhold payments, especially





the tax portion, until Vendor/Supplier/Contractor corrects the default and / or complies with the requirements of GST and produces satisfactory evidence to that effect or upon GST appearing on the Company GST portal.

- (k) Vendor/Supplier/Contractor should issue Receipt vouchers immediately on receipt of advance payment and subsequently issue supplies along tax invoice after adjusting advance payments as per Contractual terms and GST Provisions.
- (l) In case the GST rating of vendor on the GST portal / Govt. official website is negative / blacklisted, then the bids may be rejected by SPMCIL. Further, in case rating of bidder is negative / blacklisted after award of work for supply of goods / services, then SPMCIL shall not be obligated or liable to pay or reimburse GST to such vendor and shall also be entitled to deduct / recover such GST along with all penalties / interest, if any, incurred by SPMCIL.
- (m) Any late delivery i.e., delivery after the due date attracts payment of damages by the vendor / contractor as agreed mutually. It is agreed by the Contractor that such damages become recoverable by SPMCIL with applicable GST thereon.
- (n) Any reference in the NIT to CENVAT / VAT / Service Tax/ Excise Duty and the clauses relating thereto may please be ignored.

#### 12.7 Duties/ Taxes on Raw Materials

SPMCIL is not liable for any claim from the supplier on account of fresh imposition and/or increase (including statutory increase) of GST/ CGST/ SGST/ UTGST/ IGST, custom duty etc. on raw materials and/or components used directly in the manufacture of the contracted goods taking place during the pendency of the contract, unless such liability is specifically agreed to in terms of the contract.

#### 12.8 For goods offered from abroad, the prices in the corresponding price schedule shall be entered separately in the following manner:

- a) The price of goods quoted FAS / FOB port of shipment, CIF port of entry in India or CIF specified place of destination in India as indicated in the List of Requirements.
- b) Wherever applicable, the amount of custom duty and import duty on the goods to be imported.
- c) The charges for inland transportation, insurance, and other local costs incidental to delivery of the goods from the port of entry in India to their final destination, as specified in the List of Requirements. and
- d) The charges for incidental services, as and if mentioned in the List of Requirements.

#### 12.9 Imported Stores not liable to Above-mentioned Taxes and Duties:

Above mentioned GST/ CGST/ SGST/ UTGST/ IGST are not leviable on imported Goods and hence would not be reimbursed.

#### 12.10 Customs Duty:

In respect of imported stores offered from abroad, the tenderer shall specify the rate as well as the total amount of customs duty payable. The tenderer shall also indicate the

corresponding Indian Customs Tariff Number applicable for the goods in question.

- 12.10.1.** For transportation of imported goods offered from abroad, relevant instructions as incorporated under GCC Clause 11 shall be followed.
- 12.10.2.** For insurance of goods to be supplied, relevant instructions as provided under GCC Clause 12 shall be followed.
- 12.10.3.** Unless otherwise specifically indicated in this tender document, the terms FOB, FAS, CIF etc. for imported goods offered from abroad, shall be governed by the rules & regulations prescribed in the current edition of INCOTERMS, published by the International Chamber of Commerce, Paris
- 12.10.4.** The need for indication of all such price components by the tenderers, as required in this clause (viz., GIT clause 12) is for the purpose of comparison of the tenders by SPMCIL and will no way restrict SPMCIL's right to award the contract on the selected tenderer on any of the terms offered.

### 13. Conflict of Interest among Bidders/ Agents

**13.1.** A bidder shall not have conflict of interest with other bidders. The bidder found to have a conflict of interest shall be disqualified. A bidder may be considered to have a conflict of interest with one or more parties in this bidding process, if:

- (i) they have controlling partner (s) in common; or
- (ii) they receive or have received any direct or indirect subsidy/ financial stake from any of them; or
- (iii) they have the same legal representative/agent for purposes of this bid; or
- (iv) they have relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another Bidder; or
- (v) Bidder participates in more than one bid in this bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all bids in which the parties involved. However, this does not limit the inclusion of the components/ sub-assembly/ Assemblies from one bidding manufacturer in more than one bid: or
- (vi) a Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the contract that is the subject of the Bid.

**13.2.** Therefore, one agent cannot represent two suppliers or quote on their behalf in a particular tender enquiry. Such quote has to be rejected. One manufacturer can also authorize only one agent/dealer. There can be only one bid from

- (i) The principal manufacturer directly or through one Indian agent on his behalf or
- (ii) The foreign principal or any of its branch/ division or
- (iii) One Indian/ Foreign Agent on behalf of only one Principal.

**13.3.** For same reasons, in case of a holding company having more than one independently manufacturing units or more than one unit having common business ownership /





management, only one unit should quote. Similar restrictions would apply to closely related sister companies. Bidders must proactively declare in their bids such sister/ common business/ management units in same/ similar line of business.

**13.4. Use of Agents by Foreign OEM/ Principals:** Wherever the foreign OEM/ principal desires to avail the services of an Indian Agent, the dealings with Indian Agents are to be regulated as follows:

- (a) Such Agents shall provide self-attested documentary evidence about their identity (PAN, Aadhar Card, GSTIN registration, proof of address etc), business details (ownership pattern and documents, type of firm, year of establishment, sister concerns etc) to establish that they are a bonafide business as per Indian Laws.
- (b) Agency agreement between the foreign OEM/ principal and the Indian Agent (including their associates), should be submitted to SPMCIL which should cover - the precise relationship, services to be rendered, mutual interests in business - generally and/ or specifically for the tender. Any payment, which the agent or associate receives in India or abroad from the OEM, whether as commission or as a general retainer fee should be brought on record in the Agreement and be made explicit.
- (c) Failure to furnish correct and detailed information as called for in sub-para above will render the concerned tender liable to rejection or in the event of a contract materializing, the same liable to termination. Besides this there would be a penalty of banning business dealings with SPMCIL or damage or recovery of EMD/ LD/ PBG.
- (d) Tenderers of Indian Nationality bidding in association or on behalf of foreign principals, shall furnish the following details in their offers:

**13.5.** The Bidder(s)/ Contractor(s) of Indian Nationality shall furnish

- (a) The name and address of the foreign principals, if any, indicating their nationality as well as their status, i.e., whether manufacturer or agents of manufacturer holding the Letter of Authority of the Principal specifically authorizing the agent to make an offer in India in response to tender either directly or through the agents/ representatives.
- (b) The amount of commission/ remuneration included in the price (s) quoted by the Tenderer for himself.
- (c) Confirmation of the foreign principals of the Tenderer that the commission/ remuneration, if any, reserved for the Tenderer in the quoted price(s), may be paid by SPMCIL in India in equivalent Indian Rupees on satisfactory completion of the Project or supplies of Stores and Spares in case of operation items.

## 14. Firm Price / Variable Price

**14.1** Unless otherwise specified in the SIT, prices quoted by the tenderer shall remain firm and fixed during the currency of the contract and not subject to variation on any account.

**14.2** In case the tender documents require offers on variable price basis, the price quoted by the tenderers will be subject to adjustment during original Delivery Period to take care of the changes in the cost of labour and material components in accordance with the price

variation formula to be specified in the SIT. If a tenderer submits firm price quotation against the requirement of variable price quotation, that tender will be prima-facie acceptable and considered further, taking price variation asked for by the tenderer as zero.

- 14.3** However, as regards taxes and duties, if any, chargeable on the goods and payable, the conditions stipulated in GIT clause 12 will apply for both firm price tender and variable price tender.
- 14.4 Exchange Rate Variation:** Subject to provisions of Clause 11 above, where prices are quoted in foreign currencies and the deliveries exceed 12 months, involving substantial imports content (> 35%) - Foreign Exchange Rate Variation (ERV) would be borne by the Purchaser within the original Delivery Period. The offer of the Tenderer should indicate import content and the currency used for calculating import content.
- 14.5** Base Exchange rate of each major currency used for calculating FE content of the contract should be indicated. The base date of ERV would be contract date and variation on the base date can be given up to the midpoint manufacture, unless firm has already indicated the time schedule within which material will be imported by the firm.
- 14.6** In case delivery period is refixed/ extended, ERV will not be admissible, if this is due to default of the supplier.
- 14.7 Documents for claiming ERV:**
- i. A bill of ERV claim enclosing working sheet
  - ii. Banker's Certificate/debit advice detailing F.E. paid and exchange rate
  - iii. Copies of import order placed on supplier
  - iv. Invoice of supplier for the relevant import order

## 15. Alternative Tenders/ Offers

Unless otherwise specified in the Schedule of Requirements, alternative tenders/ offers shall not be considered.

## 16. Documents Establishing Tenderer's Eligibility and Qualifications

- 16.1** Pursuant to GIT clause 3 and 10, the tenderer shall furnish, as part of its tender, relevant details and documents establishing its eligibility to quote and its qualifications to perform the contract if its tender is accepted.
- 16.2** The documentary evidence needed to establish the tenderer's qualifications shall fulfil the following requirements:
- a) In case the tenderer offers to supply goods, which are manufactured by some other firm, the tenderer has been duly authorized by the goods manufacturer to quote for and supply the goods to SPMCIL. The tenderer shall submit the manufacturer's authorization letter to this effect as per the standard form provided under Section XIV in this document.
  - b) The tenderer has the required financial, technical and production capability necessary to perform the contract and, further, it meets the qualification criteria incorporated in the Section IX in these documents.

- c) in case the tenderer is not doing business in India, how will he carry out the required contractual functions and duties of the supplier including after sale service, maintenance & repair etc. of the goods in question, stocking of spare parts and fast-moving components and other obligations, if any, specified in the conditions of contract and/ or technical specifications.

## 17. Documents establishing Good's Conformity to Tender document

- 17.1** Country of Origin, Manufacture and Supply: Bidder must declare the country of origin, manufacture, value addition and supply of the goods offered by them. He must confirm that these do not violate provisions of Clause 3 of GIT.
- 17.2** The tenderer shall provide in its tender the required as well as the relevant documents like technical data, literature, drawings etc. to establish that the goods and services offered in the tender fully conform to the goods and services specified by SPMCIL in the tender documents. For this purpose, the tenderer shall also provide a clause-by-clause commentary on the technical specifications and other technical details incorporated by SPMCIL in the tender documents to establish technical responsiveness of the goods and services offered in its tender.
- 17.3** In case there is any variation and/ or deviation between the goods & services prescribed by SPMCIL and that offered by the tenderer, the tenderer shall list out the same in a chart form without ambiguity along with justification and provide the same along with its tender.
- 17.4** If a tenderer furnishes wrong and/ or misleading data, statement(s) etc. about technical acceptability of the goods and services offered by it, its tender will be liable to be ignored and rejected in addition to other remedies available to SPMCIL in this regard.

## 18. Earnest Money Deposit (EMD)

- 18.1** Pursuant to GIT clause 10.1(e) the tenderer shall furnish along with its tender, earnest money for amount as shown in the List of Requirements. The earnest money is required to protect SPMCIL against the risk of the tenderer's unwarranted conduct as amplified under sub-clause 23.2 below.
- 18.2** The tenderers who are currently registered and, also, will continue to remain registered during the tender validity period with Udyam Registration as Micro & Small Enterprises (MSEs), National Small Industries Corporation (NSIC) or with SPMCIL are exempted from payment of earnest money. In case the tenderer falls in these categories, it should furnish certified copy of its valid registration details (with Udyam Registration, NSIC or SPMCIL as the case may be).
- 18.3** The earnest money shall be denominated in Indian Rupees.
- 18.4** The earnest money shall be furnished in one of the following forms:
- Account Payee Demand Draft or
  - Fixed Deposit Receipt or
  - Banker's cheque or
  - Bank Guarantee
  - Insurance security bonds



- f) e-PBG
- g) Online payment

The demand draft, fixed deposit receipt or banker's cheque shall be drawn on any scheduled commercial bank in India, in favour of Account specified in the Clause 1 of NIT. In case of bank guarantee, the same is to be provided from/confirmed by any scheduled commercial bank in India as per the format specified under Section XIII in these documents.

- 18.5** Unless otherwise specified in SIT, the earnest money shall be valid for a period of forty-five days beyond the validity period of the tender.
- 18.6** Unsuccessful tenderers' earnest monies will be returned to them without any interest, after expiry of the tender validity period, but not later than thirty days after conclusion of the resultant contract. Successful tenderer's earnest money will be returned without any interest, after receipt of performance security from that tenderer.
- 18.7** Earnest money of a tenderer will be forfeited, if the tenderer withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of its tender. The successful tenderer's earnest money will be forfeited if it fails to furnish the required performance security within the specified period.

## 19. Tender Validity

- 19.1** If not mentioned otherwise in the SIT, the tenders shall remain valid for acceptance for a period of 90 days (Ninety days) in case of single bid tender system and 120 days in case of two-bid system after the date of tender opening prescribed in the tender document. Any tender valid for a shorter period shall be treated as unresponsive and rejected.
- 19.2** In exceptional cases, the tenderers may be requested by SPMCIL to extend the validity of their tenders upto a specified period. Such request(s) and responses thereto shall be conveyed by surface mail or by fax/email/ telex/ cable followed by surface mail. The tenderers, who agree to extend the tender validity, are to extend the same without any change or modification of their original tender and they are also to extend the validity period of the EMD accordingly.
- 19.3** In case the day upto which the tenders are to remain valid falls on/ subsequently declared a holiday or closed day for SPMCIL, the tender validity shall automatically be extended upto the next working day.
- 19.4 Compliance with the Clauses of this Tender Document:** Tenderer must comply with all the clauses of this Tender Document. In case there are any deviations, these should be listed in a chart form without any ambiguity along with justification.

## 20. Signing and Sealing of Tender

- 20.1** An authenticated copy of the document which authorizes the signatory to commit on behalf of the firm shall accompany the offer. The individual signing the tender, or any other documents connected therewith should clearly indicate his full name and designation and also specify whether he is signing,

- (a) As Sole Proprietor of the concern or as attorney of the Sole Proprietor.



- (b) As Partner (s) of the firm.
- (c) as Director, Manager or Secretary in case the of Limited Company duly authorized by a resolution passed by the Board of Directors or in pursuance of the Authority conferred by Memorandum of Association.
- 20.2** The authorized signatory of the tenderer must sign the tender at appropriate places and initial the remaining pages of the tender.
- 20.3** The tenderers shall submit their tenders as per the instructions contained in GIT Clause 10.
- 20.4** Tenderer shall submit only one copy of tender. Any duplicate copy sent along with original one shall not be accepted.
- 20.5** The original of the tender shall either be typed or written in indelible ink and the same shall be signed by the tenderer or by a person(s) who has been duly authorized to bind the tenderer to the contract. The letter of authorization shall be by a written power of attorney, which shall also be furnished along with the tender.
- 20.6** The original copy of the tender shall be duly signed at the appropriate places as indicated in the tender documents and all other pages of the tender including printed literature, if any shall be initialled by the same person(s) signing the tender. The tender shall not contain any erasure or overwriting, except as necessary to correct any error made by the tenderer and, if there is any such correction; the same shall be initialled by the person(s) signing the tender.
- 20.7** The tenderer is to seal the original copy of the tender and write the address of SPMCIL and the tender reference number on the envelope. The sentence “NOT TO BE OPENED” before ..... (The tenderer is to put the date & time of tender opening) are to be written on these envelopes. The inner envelopes are then to be put in a bigger outer envelope, which will also be duly sealed, marked etc. as above. If the outer envelope is not sealed and marked properly as above, SPMCIL will not assume any responsibility for its misplacement, premature opening, late opening etc.
- 20.8 Two-Bid (envelop/ packet) System:** If so indicated in the NIT/ SIT, tender document will seek quotation in two parts (Two Bid System) for purchasing capital equipment, high value plant, machinery etc. of complex and technical nature. First part would be containing the relevant technical details of the equipment / machinery etc., and the second part would be containing, price quotation along with other allied issues. First part will be known as ‘Technical Bid’, and the second part ‘Financial bid’. Tenderer shall seal separately ‘Technical Bid’ and ‘Financial bid’, and covers will be suitably super scribed. Both these sealed covers shall be put in a bigger cover and sealed, and evaluation would be done as described in clause 24.4 below. Further details would be given in SIT, if considered necessary. Pricing details should not be mentioned or hinted at in any manner in the “Technical Bid”. In Financial bid, there should not be any extra information connected with Technical suitability of the offer – which has not been already disclosed in the Technical Bid.
- 20.9** If permitted in the SIT, the tenderer may submit its tender through e-tendering procedure.

## D SUBMISSION OF TENDERS

### 21. Submission of Tenders

**21.1** Tenderers shall ensure that their tenders, duly sealed and signed, complete in all respects as per instructions contained in the Tender Documents, are dropped in the tender box located at the place as indicated in para 1 of NIT on or before the closing date and time indicated therein, failing which the tenders will be treated as late and rejected. Tenders may also be sent through post at the address as above. However, Purchaser will not be responsible for any postal lapses or delays in receipt of the documents. In case of bulky tender, which cannot be put into tender box, the same shall be submitted by the tenderer by hand to the designated officers of SPMCIL, as indicated in clause 1 of NIT. The officer receiving the tender will give the tenderer an official receipt duly signed with date and time.

**21.2** The tenderers must ensure that they deposit their tenders not later than the closing time and date specified for submission of tenders. In the event of the specified date for submission of tender falls on / is subsequently declared a holiday or closed day for SPMCIL, the tenders will be received upto the appointed time on the next working day.

### 22. Late Tender

A tender, which is received after the specified date and time for receipt of tenders will be treated as “late” tender and will be ignored.

### 23. Alteration and Withdrawal of Tender

**23.1** The tenderer, after submitting its tender, is permitted to alter / modify its tender so long as such alterations / modifications are received duly signed, sealed, and marked like the original tender, within the deadline for submission of tenders. Alterations / modifications to tenders received after the prescribed deadline will not be considered.

**23.2** No tender should be withdrawn after the deadline for submission of tender and before expiry of the tender validity period. If a tenderer withdraws the tender during this period, it will result in forfeiture of the earnest money furnished by the tenderer in its tender besides other sanctions by SPMCIL.

## E TENDER OPENING

### 24. Opening of Tenders

**24.1** SPMCIL will open the tenders at the specified date and time and at the specified place as indicated in clause 1 of NIT. In case the specified date of tender opening falls on / is subsequently declared a holiday or closed day for SPMCIL, the tenders will be opened at the appointed time and place on the next working day.

**24.2** Authorized representatives of the tenderers, who have submitted tenders on time may attend the tender opening, provided they bring with them letters of authority as per the format in SBD XVII from the corresponding tenderers. The tender opening official(s) will prepare a list of the representatives attending the tender opening. The list will contain the representatives' names & signatures and corresponding tenderers' names and addresses.

**24.3** During the tender opening, the tender opening official(s) will read the salient features of the tenders like description of the goods offered, price, special discount if any, delivery period, whether earnest money furnished or not and any other special features of the tenders, as deemed fit by the tender opening official(s).





- 24.4** In the case of two bid system mentioned in clause 20.8 above, the technical bids are to be opened in the first instance, at the prescribed time and date. These bids shall be scrutinized and evaluated by the competent committee/ authority with reference to parameters prescribed in the tender document. Thereafter, in the second stage, the financial bids of only the technically acceptable offers (as decided in the first stage) shall be opened for further scrutiny and evaluation. Other financial bids would be returned unopened to the respective bidders under Registered AD/ Reliable Courier or any other mode with proof of delivery.

## **F SCRUTINY AND EVALUATION OF TENDERS**

### **25. Basic Principle**

Tenders will be evaluated on the basis of the terms & conditions already incorporated in the tender document, based on which tenders have been received and the terms, conditions etc. mentioned by the tenderers in their tenders. No new condition will be brought in while scrutinizing and evaluating the tenders.

### **26. Preliminary Scrutiny of Tenders**

- 26.1** The tenders will first be scrutinized to determine whether they are complete and meet the essential and important requirements, conditions etc. as prescribed in the tender document. The tenders, that do not meet the basic requirements, are liable to be treated as unresponsive and ignored.
- 26.2** The following are some of the important aspects, for which a tender may be declared unresponsive and ignored.
- The tender is not in the prescribed format or is unsigned or not signed as per the stipulations in the bid document.
  - Required EMD has not been provided.
  - The bidder is not eligible to participate in the bid as per laid down eligibility criteria (example: the tender enquiry condition says that the bidder has to be a registered MSE unit, but the tenderer is a, say, a large-scale unit);
  - The Tenderer has quoted for goods manufactured by a different firm without the required authority letter from the proposed manufacturer.
  - The tender validity is shorter than the required period.
  - The bid departs from the essential requirements specified in the bidding document (Example: Some such important essential conditions are – performance security, terms of payment, liquidated damage clause, warranty clause, dispute resolution mechanism, applicable law and any other important condition having significant bearing on the cost/ utility/ performance of the required goods, etc);
  - Against a schedule in the List of Requirement (incorporated in the tender enquiry), the Tenderer has not quoted for the entire requirement as specified in that schedule.

(Example: In a schedule, it has been stipulated that the Tenderer will supply the equipment, install, and commission it and also train SPMCIL's operators for operating the equipment. The Tenderer has however, quoted only for supply of the equipment).

## 27. Minor Infirmary/ Irregularity/ Non-Conformity

If during the preliminary examination, SPMCIL find any minor infirmity and/ or irregularity and/ or non-conformity in a tender, SPMCIL may waive the same provided it does not constitute any material deviation and financial impact and, also, does not prejudice or affect the ranking order of the tenderers. Wherever necessary, SPMCIL will convey its observation on such 'minor' issues to the tenderer by registered/ speed post etc. asking the tenderer to respond by a specified date. If the tenderer does not reply by the specified date or gives evasive reply without clarifying the point at issue in clear terms, that tender will be liable to be ignored.

## 28. Discrepancy in Prices

**28.1** If, in the price structure quoted by a tenderer, there is discrepancy between the unit price and the total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly, unless SPMCIL feels that the tenderer has made a mistake in placing the decimal point in the unit price, in which case the total price as quoted shall prevail over the unit price and the unit price corrected accordingly.

**28.2** If there is an error in a total price, which has been worked out through addition and/ or subtraction of subtotals, the subtotals shall prevail and the total corrected; and

**28.3** If there is a discrepancy between the amount expressed in words and figures, the amount in words shall prevail, subject to sub clause 28.1 and 28.2 above.

**28.4** If, as per the judgment of SPMCIL, there is any such arithmetical discrepancy in a tender, the same will be suitably conveyed to the tenderer by registered / speed post. If the tenderer does not agree to the observation of SPMCIL, the tender is liable to be ignored.

## 29. Discrepancy between original and copies of Tender

In any case only original tender shall be considered, any duplicate/extra copy submitted shall be liable to be rejected.

## 30. Clarification of Bids

During evaluation and comparison of bids, purchaser may, at its discretion ask the bidder for clarification of its bid. The clarification should be received within 7 days from the bidder from date of receipt of such request. The request for clarification shall be in writing and no change in prices or substance of the bid shall be sought, offered, or permitted. No post bid clarification at the initiative of the bidder shall be entertained.

## 31. Qualification/ Eligibility Criteria

Tenders of the tenderers, who do not meet the required qualification/ eligibility criteria prescribed in Section IX will be treated as unresponsive and will not be considered further.

## 32. Conversion of tender currencies to Indian Rupees

In case the tender document permits the tenderers to quote their prices in different currencies, all such quoted prices of the responsive tenderers will be converted to a single currency viz., Indian Rupees for the purpose of equitable comparison and evaluation, as per the B.C. selling exchange rates established by the State Bank of India for similar transactions, as on the date of (technical bid) tender opening.





### 33. Schedule-wise Evaluation

Unless otherwise stipulated in the NIT/ SIT in case the List of Requirements contains more than one schedule, the responsive tenders will be evaluated and compared separately for each schedule. The tender for a schedule will not be considered if the complete requirements prescribed in that schedule are not included in the tender. However, as already mentioned in GIT sub clause 12.2, tenderers have the option to quote for any one or more schedules and offer discounts for combined schedules. Such discounts, wherever applicable, will be considered to determine the tender or combination of tenders offering the lowest evaluated cost for SPMCIL in deciding the successful tenderer for each schedule, subject to that tenderer(s) being responsive.

### 34. Comparison on CIF Destination Basis

Unless mentioned otherwise in Section-III – Special Instructions to Tenderers and Section-VI – List of Requirements, the comparison of the responsive tenders shall be on CIF destination basis, duly delivered, commissioned, etc. as the case may be.

### 35. Additional Factors and Parameters for Evaluation and Ranking of Responsive Tenders

**35.1** Further to GIT Clause 33 above, SPMCIL's evaluation of a tender will include and consider the following:

- a) in the case of goods manufactured in India or goods of foreign origin already located in India, GST/ CGST/ SGST/ UTGST/ IGST & other similar duties, which will be contractually payable (to the tenderer), on the goods if a contract is awarded on the tenderer; and
- b) In the case of goods of foreign origin offered from abroad, customs duty and other similar import duties/ taxes, which will be contractually payable (to the tenderer) on the goods if the contract is awarded on the tenderer.

**35.2** SPMCIL's evaluation of tender will also consider the additional factors, if any, incorporated in SIT in the manner and to the extent indicated therein.

**35.3 Benefits/ Preferential Treatment to Micro & Small Enterprises (MSEs) and Star-up Enterprises:** As per policies of the Government from time to time, the purchaser reserves its option to give price preference to Micro and Small-Scale Industries in comparison to the large-scale Industries:

- (a) (i) Tender sets shall be provided free of cost to MSEs registered with agencies, as given at Para (b) below, for the item tendered.
- (ii) MSEs registered with the agencies, as given at Para (b) below, for the item tendered will be exempted from payment of Earnest Money.
- (iii) If a MSE bidder quotes a price within the band of the lowest (L1) +15 per cent in a situation where the L1 price is quoted by someone other than an MSE, the MSE bidders are eligible for being awarded 25 per cent of the total tendered value if they agree to match the L1 price. In case of more than one such eligible MSE, the 25 per cent quantity is to be distributed proportionately among these bidders. Within this, a purchase preference of 4 per cent is reserved for MSEs owned by Scheduled Caste (SC)/ Scheduled Tribe (ST) entrepreneurs and 3 per cent is reserved for procurement

from MSEs owned by women (if they participate in the tender process and match the L1 price). Provided that, in event of failure of such SC/ ST or Women MSE to participate in tender process or meet tender requirements and L1 price, 4 per cent sub-target shall be met from other MSE.

- (b) (I) MSEs, who are interested in availing themselves of these benefits, will enclose with their offer the proof of their being MSE registered with any of the agencies mentioned in the notification of Ministry of MSME indicated below: -
- (i) District Industries Centres
  - (ii) Khadi and Village Industries Commission
  - (iii) Khadi and Village Industries Board
  - (iv) Coir Board
  - (v) National Small Industries Corporation
  - (vi) Directorate of Handicraft and Handloom
  - (vii) UDYAM Reregistration from Ministry of MSME
  - (viii) Any other body specified by Ministry of MSME
- (II) MSEs would be treated as owned by SC/ ST or women entrepreneurs:
- (a) In case of proprietary MSE, proprietor(s) shall be SC / ST or women
  - (b) In case of partnership MSE, the SC/ ST or women partners shall be holding at least 51% shares in the unit
  - (c) In case of Private Limited Companies, at least 51% share shall be held by SC/ ST or women promoters.
- (III) The MSEs must also indicate the terminal validity date of their registration.

Failing (b) (I), (II) & (III) above, such offers will not be liable for consideration of benefits detailed in MSE notification of Government of India dated 23.03.2012 and its further amendments.

### 35.4 Support to Start-up Enterprises

**35.5** The condition of prior turnover and prior experience may be relaxed for Start-ups (as defined by Department of Industrial Policy and Promotion) subject to meeting of quality & technical specifications and making suitable provisions in the bidding document. The quality and technical parameters are not to be diluted. As defined by Department of Policy & Promotion (DIPP) an entity shall be considered as a 'start-up'-

- (a) Up to five years from the date of its incorporation/ registration,
- (b) If its turnover for any of the financial years has not exceeded Rs 25 (Rupees twenty-five) crore
- (c) It is working towards innovation, development, deployment or commercialisation of new products, processes or services driven by technology or intellectual property.



- (d) Provided further that in order to obtain benefits a start-up so identified under the above definition shall be required to obtain and submit along with the tender, a certificate of an eligible business from the inter-Ministerial Board of Certification.

### 35.6 Preference to Make in India Products

1. Department for Promotion of Industry and Internal Trade, (DPIIT - Public Procurement Section) has issued order No. P-45021/2/2017-PP (BE-II) dated 04th June 2020, revising its "Public Procurement (Preference to Make in India) Order 2017" (PPI-MII) to encourage 'Make in India' and promote manufacturing and production of goods and services in India. Local content can be increased through partnerships, cooperation with local companies, establishing production units in India or Joint Ventures (JV) with Indian suppliers, increasing the participation of local employees in services and training them.

#### 2. Categories of Local Suppliers:

Bidders/ Supplier are divided into three categories based on Local Content (local value addition as a %age of total value):

'Class-I local supplier' with local content equal to or more than 50%

'Class-II local supplier' with local content more than 20% but less than 50%

'Non - Local supplier' with local content less than or equal to 20%

#### 3. Nodal Ministry/ Department:

- a) Nodal Ministry/ Department for various products have been prescribed on DPIIT website. The products where there is sufficient local capacity and local competition and prescribe or vary minimum local content (only above which benefits of PPI-MII order are applicable for a procurement). It may make special provisions for exempting suppliers from meeting the stipulated local content if the product is being manufactured in India under a license from a foreign manufacturer who holds intellectual property rights and where there is a technology collaboration agreement/ transfer of technology agreement for indigenous manufacture of a product developed abroad with clear phased increase in local content. Guidelines by respective Nodal Ministry/ Department for different products can be seen from website of DPIIT.
- b) Nodal Ministry for its items may issue directions to exclude bidders from a country from eligibility for its procurement as measure of reciprocity of such action by that country against Indian Suppliers. For this purpose, a supplier or bidder shall be considered to be from a country if (i) the entity is incorporated in that country, or ii) a majority of its shareholding or effective control of the entity is exercised from that country; or (iii) more than 50% of the value of the item being supplied has been added in that country. Indian suppliers shall mean those entities which meet any of these tests with respect to India.



#### 4. Eligibility to participate and Purchase preference to Class-I local suppliers in Tenders of all goods, services or works:

(a) Only 'Class-I local supplier' shall be eligible to bid irrespective of purchase value - where there is sufficient local capacity and local competition Hence in such cases there is no question of price preference.

(b) Only 'Class-I local supplier' and 'Class-II local supplier' shall be eligible (and 'Non-local suppliers are NOT eligible) to bid in other procurement of less than Rs. 200 Crore (where Global Tender would not be normally allowed). All three categories of suppliers are eligible to bid in global tender enquiries. In such procurements Class-I local suppliers (provided they fulfil the minimum local content specified in the tender for the item) would be given preference over other categories of suppliers (who are not entitled to any purchase preference) as per following procedure:

(1) For goods and works where the requirements are divisible by nature:

i. Among all qualified bids, the lowest bid will be termed as L1. If L1 is 'Class-I local supplier', the contract for full quantity will be awarded to L1.

ii. If L1 bid is not a 'Class-I local supplier', 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the 'Class-I local supplier' will be invited to match the L1 price for the remaining 50% quantity subject to the Class-I local supplier's quoted price falling within the margin of purchase preference, and contract for that quantity shall be awarded to such 'Class-I local supplier' subject to matching the L1 price. In case such lowest eligible 'Class-I local supplier' fails to match the L1 price or accepts less than the offered quantity, the next higher 'Class-I local supplier' within the margin of purchase preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In case some quantity is still left uncovered on Class-I local suppliers, then such balance quantity may also be ordered on the L1 bidder.

(2) For goods and works where the requirements are not divisible in nature, and in procurement of services where the bid is evaluated on price alone:

i. Among all qualified bids, the lowest bid will be termed as L1. If L1 is 'Class-I local supplier', the contract will be awarded to L1.

ii. If L1 is not 'Class-I local supplier', the lowest bidder among the 'Class-I local supplier', will be invited to match the L1 price subject to Class-I local supplier's quoted price falling within the margin of purchase preference, and the contract shall be awarded to such 'Class-I local supplier' subject to matching the L1 price.



- iii. In case such lowest eligible 'Class-I local supplier' fails to match the L1 price, the 'Class-I local supplier' with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the 'Class-I local supplier' within the margin of purchase preference matches the L1 price, the contract may be awarded to the L1 bidder.
- (c) The margin of purchase preference shall be 20%, unless otherwise stipulated by the Nodal Ministry/ Department. Minimum local content is 50%, unless otherwise specified by the Nodal Ministry/ Department. The minimum local content, the margin of purchase preference and the procedure for preference to Make in India shall be specified in the notice inviting tenders and shall not be varied during procurement.

## 5. Verification of local content and violations:

- a. The 'Class-I local supplier'/ 'Class-II local supplier' at the time of 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.
- b. In cases of procurement for a value in excess of Rs 10 crores, the '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.
- c. Complaints about Local content declarations may be made through the channels of SPMCIL. SPMCIL and Nodal Ministries may prescribe fees for such complaints.
- d. For False declarations a bidder or its successors can be debarred for up to two years by following debarment procedures along with such other actions as may be permissible under law.

**35.7 Price Variation:** If the tenders have been invited on variable price basis, the tenders will be evaluated, compared, and ranked on the basis of the position as prevailing on the day of (technical bid) tender opening and not on the basis of any future date.

## 36. Tenderer's capability to perform the contract

**36.1** SPMCIL, through the above process of tender scrutiny and tender evaluation will determine to its satisfaction whether the tenderer, whose tender has been determined as the lowest evaluated responsive tender is eligible, qualified, and capable in all respects to perform the contract satisfactorily. If, there is more than one schedule in the List of Requirements, then, unless otherwise stipulated in the NIT/ SIT, such determination will be made separately for each schedule.

**36.2** The above-mentioned determination will, inter-alia, consider the tenderer's financial, technical and production capabilities for satisfying all the requirements of SPMCIL as incorporated in the tender document. Such determination will be based upon scrutiny and examination of all relevant data and details submitted by the tenderer in its tender as well as such other allied information as deemed appropriate by SPMCIL.

### **37. Cartel Formation/ Pool Rates**

Cartel formation or quotation of Pool/ Co-ordinated rates, leading to "Appreciable Adverse Effect on Competition" (AAEC) as identified in Competition Act, 2002, as amended by Competition (Amendment) Act, 2007, would be considered as a serious misdemeanour and would be dealt accordingly as per Clause 44 below.

### **38. Negotiations**

Normally there would be no price negotiations. But SPMCIL reserves its right to negotiate with the lowest acceptable bidder (L1), who is technically cleared/approved for supply of bulk quantity and on whom the contract would have been placed but for the decision to negotiate.

The circumstances where negotiations may be considered could be:

- a) Where the procurement is done on nomination basis;
- b) Procurement is from single or limited sources;
- c) Procurements where there is suspicion of cartel formation which should be recorded; and
- d) Where the requirements are urgent and the delay in re-tendering for the entire requirement due to the unreasonableness of the quoted rates would jeopardise essential operations, maintenance and safety, negotiations with L1 bidder(s) may be done for bare minimum quantum of requirements. The balance bulk requirement should, however, be procured through a re-tender, following the normal tendering process.

### **39. Contacting SPMCIL**

**39.1.** From the time of submission of tender to the time of awarding the contract, if a tenderer needs to contact SPMCIL for any reason relating to this tender enquiry and / or its tender, it should do so only in writing.

**39.2.** It will be treated as a serious misdemeanour in case a tenderer attempts to influence SPMCIL's decision on scrutiny, comparison, evaluation, and award of the contracts. In such a case the tender of the tenderer shall be liable for rejection in addition to appropriate administrative actions being taken against that tenderer, as deemed fit by SPMCIL, in terms of clause 44 of GIT.

## **G AWARD OF CONTRACT**

### **40. SPMCIL's Right to Accept any Tender and to Reject any or All Tenders**

SPMCIL reserves the right to accept in part or in full any tender or reject any tender without assigning any reason or to cancel the tendering process and reject all tenders at any time prior to award of contract, without incurring any liability, whatsoever to the affected tenderer or tenderers.





#### 41. Award Criteria

Subject to GIT clause 36 above, the contract will be awarded to the lowest evaluated responsive tenderer decided by SPMCIL in terms of GIT Clause 34.

#### 42. Variation of Quantities at the Time of Award

No variation of quantities at the time of awarding the contract.

#### 43. Parallel Contracts

SPMCIL reserves its right to conclude Parallel contracts, with more than one bidder (for the same tender) in following circumstances:

- (i) After due processing, if it is discovered that the quantity to be ordered is far more than what L-1 alone is capable of supplying and there was no prior stipulation in the NIT/ SIT to split the quantities, then the purchaser reserves its rights to distribute the quantity being finally ordered, among the other bidders by counter offering the L1 rate to L2 or higher tenderers.
- (ii) When it is decided in advance to have more than one source of supply due to the critical/ strategic/ specific nature of the supplies/ goods parallel contract stipulation would be declared in the NIT/ SIT, clearly stating the manner of deciding relative share of lowest bidder (L1) contractor and the rest of the tenderers should be clearly defined, along with the minimum number of suppliers sought for the contract. Unless otherwise stipulated in the NIT/ SIT, in case of splitting in two and three, the ratio of 70:30; 50:30:20, respectively, may be used. These ratios are approximate and SPMCIL reserves its right to marginally vary quantities to suit capacity of the firm/ unit loads of packing or transportation. In such cases the firms should not quote for less than 25% of the tendered quantity; otherwise, their offer would be considered as unresponsive.

#### 44. Serious Misdemeanours and Integrity Pact

**44.1. Serious Misdemeanour:** Following would be considered serious misdemeanours:

- i. Other than in situations of force majeure, after opening of financial bids, the supplier withdraws from the procurement process or after being declared as successful bidder: (i) withdraws from the process; (ii) fails to enter into a procurement contract; or (iii) fails to provide performance security or any other document or security required in terms of the bidding documents.
- ii. If the proprietor of the firm, its employee, partner, or representative is convicted of any offence by a court under the Prevention of Corruption Act, 1988 or under the Indian Penal Code or any other law for the time being in force for offences involving moral turpitude in business dealings.
- iii. If a firm directly or through an agent violates the code of ethics mentioned in Clause 32 of the GCC violates Integrity Pact mentioned in clause 43.3 below, in procurement or execution of the contract.
- iv. Violate the safety or statutory norms that result in industrial accidents leading to loss or injury to life or property or to any other legal liability to The Procuring Entity.
- v. Employs a government servant, who has been dismissed or removed on account of corruption or employs a non-official convicted for an offence involving corruption

- or abetment of such an offence, in a position where he could corrupt government servants or employs a government officer within two years of his retirement, who has had business dealings with him in an official capacity before retirement; or
- vi. On account of doubtful loyalty to the country or national security consideration as determined by appropriate agencies of GoI (normally such banning/ blacklisting would be initiated by the central government/ ministry).
  - vii. Doubtful loyalty to the country or national security consideration as determined by appropriate agencies of GoI
- 44.2.** Besides, suitable administrative actions, like rejecting the offers, SPMCIL would take other remedies available to it including Debarring Tenderers committing such misdemeanour, including declaring them ineligible to be awarded SPMCIL contracts for indefinite or for a stated period.

#### 44.3. Integrity Pact:

- 44.3.1. Signing of the Integrity Pact:** If so stipulated in the NIT/ SIT, purchaser shall be entering into an Integrity Pact with the bidders as per format enclosed vide Section XX: Integrity Pact, of this tender document. The tender issuing authority shall ensure updation of this format as per the latest guidelines. Each page of this Integrity pact proforma would be duly signed by Purchaser's competent signatory. All pages of the Integrity Pact are to be returned by the bidder (along with the technical bid) duly signed by the same signatory who signed the bid, i.e., who is duly authorized to sign the bid and to make binding commitments on behalf of his company. Any bid not accompanied by Integrity Pact duly signed by the bidder shall be considered to be a non-responsive bid and shall be rejected straightway. Names and contact details of the Independent Monitor(s) for this Tender are listed in Para 1 of Notice Inviting Tender (NIT).
- 44.3.2.** Extended Validity and provisions of its forfeiture: In modification of clause 18.5 and 18.6 earlier, in view of Integrity Pact, the Earnest Money Deposit shall be valid for six months beyond the date of validity of the offer, after which the EMD of the unsuccessful bidders would be returned. In addition, the EMD shall also be liable to be forfeited If the Bidder or anyone employed by it or acting on its behalf (whether with or without the knowledge of the Bidder) breaches any of the provisions of the Integrity Pact.
- 44.3.3. Additional Serious Misdemeanour:** As supplement to clause 44.1 above, breaches of any of the provisions of the Integrity Pact by the Bidder or anyone employed by it or acting on its behalf (whether with or without the knowledge of the Bidder) shall be one of the misdemeanours attracting consequences and penalties as mentioned in clause 44.2 above.

## 45. Notification of Award of Contract

- 45.1** Before expiry of the tender validity period, SPMCIL will notify the successful tenderer(s) in writing, by registered / speed post or by fax/email / telex/ cable (to be confirmed by registered / speed post) that its tender for goods & services, which have been selected by SPMCIL, has been accepted, also briefly indicating there in the essential details like description, specification and quantity of the goods & services and corresponding prices accepted.





The successful tenderer must furnish to SPMCIL the required performance security within twenty-one days from the date of this notification. Relevant details about the performance security have been provided under GCC Clause 6 under Section IV.

**45.2** The notification of award shall constitute the conclusion of the contract.

## **46. Issue of Contract**

**46.1** Within seven working days of receipt of performance security, SPMCIL will send the contract form (as per Section XVI) duly completed and signed, in duplicate, to the successful tenderer by registered / speed post.

**46.2** Within seven days from the date of issue of the contract, the successful tenderer will return the original copy of the contract, duly signed, and dated, to SPMCIL by registered / speed post.

## **47. Non-receipt of Performance Security and Contract by SPMCIL**

Failure of the successful tenderer in providing performance security within 21 days of receipt of notification of award and / or returning contract copy duly signed in terms of GIT clauses 45 and 46 above shall make the tenderer liable for forfeiture of its EMD and, also, for further sanctions by SPMCIL against it.

## **48. Return of EMD**

The earnest money of the successful tenderer and the unsuccessful tenderers will be returned to them without any interest, whatsoever, in terms of GIT Clause 18.6.

## **49. Publication of Tender Result**

The name and address of the successful tenderer(s) receiving the contract(s) will be mentioned in the website of SPMCIL.

## **Part II: Additional General Instructions Applicable to Specific Types of Tenders:**

In addition to GIT in Part I above, following GIT will be applicable following types of Tenders:

### **50. Rate Contract Tenders**

- i. Earnest Money Deposit (EMD) is not applicable.
- ii. The quantities required mentioned in the tender in Section-1 and Section-VI is without any commitment on a rate-contract basis. The quantities are indicative and exact call-off of quantity would be intimated periodically to the contractor by way of periodical supply orders in line with the conditions of the rate contract.
- iii. SPMCIL reserves the right to conclude more than one rate contract for the same item.
- iv. Unless otherwise specified in SIT, the currency of a Rate Contract would normally be for one year.
- v. During the currency of the Rate Contract, SPMCIL have the option to withdraw the rate contract or renegotiate the price by serving suitable notice. The prescribed notice period is generally thirty days.

- vi. During the currency of the Rate Contract, in case of emergency or for values less than Rs 1.5 (one and a half) Lakhs, SPMCIL may purchase the same item through ad hoc contract with a new supplier.
- vii. The terms of delivery in rate contracts are FOR dispatching station.
- viii. Supply orders, incorporating definite quantity of goods to be supplied along with all other required conditions following the rate contract terms, will be issued by the SPMCIL or its nominated Direct Demanding Officers (DDO) for obtaining supplies through the rate contract.
- ix. SPMCIL is entitled to place supply orders up to the last day of the validity of the rate contract and, though supplies against such supply orders will be affected beyond the validity period of the rate contract, all such supply will be guided by the terms & conditions of the rate contract.
- x. The rate contract will be guided by “Fall Clause” as described below.

### 50.1 Fall Clause

If the rate contract holder reduces its price or sells or even offers to sell the rate contracted goods, following conditions of sale similar to those of the rate contract, at a price lower than the rate contract price, to any person or organization during the currency of the rate contract, the rate contract price will be automatically reduced with effect from that date (the day of opening of Price Bid) for all the subsequent supplies under the rate contract and the rate contract amended accordingly. Any violation of the fall clause would be considered a serious misdemeanour under clause 44 of the GIT and action, as appropriate, would be taken as per provision of that clause.

### 50.2 Performance Security

Value of Performance Security would be stipulated in the SIT. Performance Security shall, however, not be demanded again in the individual supply orders issued subsequently against rate contracts.

### 50.3 Renewal of Rate Contracts

In case, it is not possible to conclude new rate contracts before the expiry of existing ones, due to some special reasons, the existing rate contracts would be extended with same terms, conditions etc for a suitable period, with the consent of the rate contract holders. Rate contracts of the firms, who do not agree to such extension, will be left out. Period of such extension would generally not be more than three months.

## 51. Prequalification Bidding (PQB)

**51.1** Prequalification Bidding is for short listing of qualified Bidders who fulfil the Prequalification criteria (PQC) as laid down in SIT or in Section IX of SBD – “Qualification Criteria” for procurement of Goods or Services as listed in Section VI of SBD – “List of Requirements”.

**51.2** Unless otherwise stipulated in NIT/ SIT, the Pre-qualification Bid of the bidder should contain inter-alia:

- i). Tender Form: Section X



- ii). Qualification/ Eligibility Criteria: Section IX, along with supporting documents
- iii). If so specified in NIT/ SIT EMD amount in specified format
- iv). Vendor Details: Section XII
- v). Manufacturer's Authorisation Form: Section XIV, if applicable

- 51.3** Unless otherwise stipulated in NIT/ SIT, EMD would be required as per clause 18 of GIT. No separate EMD would be called from short-listed bidders for the subsequent procurement bidding. In case a shortlisted bidder does not participate in subsequent procurement bidding, the EMD shall be forfeited.
- 51.4** Shortlisted Bidders would be informed of their qualification and short listing in accordance with the stipulations laid down in the SIT. Unless otherwise stipulated in the SIT the PQB short listing would be valid only for the next procurement stage of bidding.
- 51.5** If stipulated in the SIT, only these shortlisted qualified bidders would be invited to participate in the next stage of Procurement of the requirements.
- 51.6** Otherwise SIT may also indicate that instead of floating a separate stage of PQB bidding, it may be combined it with the Procurement bidding, as a three bid (envelope) tender. Initially the first envelope containing PQB would be opened, and evaluation would be done, to shortlist the bidders who pass the PQB criteria. Thereafter the rest of tender would be handled as a two-bid system for only such shortlisted bidders.

## 52. Tenders involving Samples

- 52.1** Normally no sample would be called along with the offer for evaluation.
- 52.2 Purchaser's Samples:** If indicated in the SIT, A Purchaser's sample may be displayed to indicate required characteristics over and above the Specifications for perusal of the bidders. Name and Designation of the Custodian, Place, Dates and Time of inspection of Purchaser's sample will be indicated in the SIT. The supplies in the contract will have to meet the indicated required characteristics for which the Purchaser's sample was displayed, besides meeting the specification listed in Section VII – "Technical Specifications" of the SBD. He would be issued a sealed Purchaser's sample for the purpose at the time of award of the contract.
- 52.3 Pre-Production Samples:** If stipulated in SIT, successful contractor would be required to submit a Pre-Production sample(s) to the Inspecting Officer/ or the nominated authority mentioned in the contract within the time specified therein. If the Contractor is unable to do so, he must apply immediately to the Office issuing the acceptance of tender for extension of time stating the reasons for the delay. If the Purchaser is satisfied that a reasonable ground for an extension of time exists, he may allow such additional time as he considers to be justified (and his decision shall be final) with or without alteration in the delivery period stipulated in the contract and on such conditions as he deems fit. In the event of the failure of the Contractor to deliver the pre-production sample by the date specified in the acceptance of tender or any other date to which the time may be extended as aforesaid by the Purchaser or of the rejection of the sample, the Purchaser shall be entitled to cancel the contract and, if so desired, purchase or authorize the purchase of the stores at the risk and cost of the Contractor (unless specified otherwise in the SIT). In such an event, in



case of Security Items where urgency develops due to such delays, SPMCIL reserves its right to procure not more than one year's requirement against this "Risk & Cost" tender from existing pre-qualified and security cleared firms. Bulk production and supply will only be allowed if this sample(s) pass the Tests laid down in the Section VIII – "Quality Control Requirements" in the SBD.

- 52.4 Testing of Samples:** Tests, procedures and testing laboratories for testing samples would be detailed in the Section VIII – "Quality Control Requirements" in the SBD.
- 52.5 Validation/ Prolonged Trials:** If specified in SIT or in the Section VIII – "Quality Control Requirements" in the SBD, pre-production samples may have to undergo validation or extended trial before their performance can be declared satisfactory.
- 52.6 Parameters Settings and duration of Validation Tests** would be indicated in the Section VIII – "Quality Control Requirements" in the SBD. It would also stipulate the period or event marking end of validation trials. It would also be indicated therein whether the Permission to start bulk production will have to wait full validation or it can go on in parallel.

### 53. Expression of Interest (EOI) Tenders:

- 53.1** EOI tenders are floated for short listing firms who are willing and qualified for: -
- Registration of Vendors for Supply of particular Stores or certain categories of Stores.
  - Development of new items or Indigenization of Imported stores
- 53.2** The qualification /eligibility criteria required and the format of submission of such Data would be indicated in the Section IX – "Qualification Criteria" in the SBD.
- 53.3** Objectives and scope of requirement would be indicated in the Section VI – "List of Requirements" in the SBD. Indicative quantity required yearly, and its future requirements would also be indicated.
- 53.4** Unless otherwise stipulated in the NIT/ SIT, the EOI bid to be submitted by the bidders would contain, inter-alia:
- Tender Form: Section X
  - Qualification/ Eligibility Criteria: Section IX, along with supporting documents
  - Vendor Details: Section XII
  - Manufacturer's Authorisation Form: Section XIV, if applicable
- 53.5** In case of EOI for Development of new Items or for Indigenization, prospective firms would be given opportunity to inspect the Machine/ Item at the place of installation at the place, dates and Time mentioned in SIT.
- 53.6** In case EOI is for registration of vendors, Registration Fees and validity period of registration would be detailed in the SIT.
- 53.7 Short List of Suppliers:** The suppliers shall be evaluated for short listing, inter-alia, based on their past experience of supplying goods in similar context, financial strength, technical capabilities etc. Each supplier will be assigned scores based on weightages assigned to each of the criteria mentioned in the Section IX – "Qualification Criteria" in the SBD.



- 53.8** If stipulated in the SIT, the Firm's capacity and Capability may be assessed by a nominated Committee or by a third party nominated by SPMCIL.
- 53.9** All suppliers who secure the minimum required marks (normally 60% unless otherwise specified in the Section IX) would be short listed. Section IX may alternatively specify minimum qualifying requirement for each of the criteria i.e., minimum years of experience, minimum number of assignments executed, minimum turnover etc. Under such circumstances, all suppliers who meet the minimum requirement, as specified, will be short listed.
- 53.10** In case of EOI for registration of vendors, registration letters would be issued to the shortlisted tenderers.
- 53.11** Unless otherwise stipulated in the NIT/ SIT, in case of EOI for development/ indigenization, these shortlisted tenderers would only be allowed to participate in the subsequent development/ indigenization tenders.

#### **54. Tenders for Disposal of Scrap:**

- 54.1 Introduction:** The tender is for Sale of Scrap material lying at various locations. Details of scrap for sale including Description, Present Condition, Lot Size, and its Location would be given in the Section VI – “List of Requirements/ Disposal”.
- 54.2** Sections VII, VIII, IX, XII, XIV, XV, XVIII, XIX and XX of SBD are not applicable to Tenders for disposal of Scrap.
- 54.3** Unless otherwise stipulated in the NIT/ SIT, the Disposal of Scrap bid to be submitted by the bidders would contain, inter-alia:
- i). Tender Form: Section X
  - ii). List of Requirements/ Disposal - Section VI
  - iii). Qualification/ Eligibility Criteria: Section IX, along with supporting documents
  - iv). If so specified in NIT/ SIT EMD amount in specified format
  - v). Price Schedule: Section XI
- 54.4 “As Is; Where Is; Whatever Is” Basis of This Sale:**

**54.2.1** This sale of Scrap is strictly on “As Is; Where Is; Whatever Is” basis. Tenderer must satisfy himself on all matters with regard to quality, quantity; nature of stores etc., before tendering as no complaint or representation of any kind shall be entertained after the sale contract is concluded.

**54.2.2** The description of lot in the particulars of sale has been given for the purpose of identification thereof only and the use of such description shall not constitute the sale thereof to be sale by description and no sale shall be invalid by reason of any defect or deviation or variation in any lot or on account of any lot not being exactly described and the purchaser shall not be entitled to claim any damage or compensation whatsoever on account of such fault, error in description, weight or the like.

- 54.2.3** All quantities of scrap whether by weight or measurement mentioned in the Tender notice are only approximate and should the quantity, on actual weight or measurement basis as the case may be and whenever delivered on such basis, works out less than the advertised and /or projected quantity, the SPMCIL shall not under any circumstances be liable to make good any such deficiency
- 54.2.4** SPMCIL reserves right to increase or decrease the quantity of any item or items or terminate the contract at any stage by giving one week's notice. No claim whatsoever shall lie against the SPMCIL on account of such termination of the contract or variation in the quantity.
- 54.2.5** SPMCIL shall have the right to remove certain items which it feels were not intended for sale but were inadvertently made a part of the scrap material or of the lot offered for sale lying at the premises or were joined or attached to the material offered for sale.
- 54.2.6** Tenderers desirous of purchasing and participating in the tender must visit the site before submitting the offer, after taking due permission from the concerned Stockholders. The Tenderers submitting the offers shall be deemed to have visited the site and acquainted themselves thoroughly with materials intended for sale in all respect.
- 54.2.7** Any person giving offer shall be deemed to have made himself fully conversant with the Terms and Conditions of the Tender Sale, as well as the location and condition of the materials being sold and shall be deemed to have agreed to all the stated terms and conditions herein under.

### 54.3 Submission of Offer:

- 54.3.1** Unless specified otherwise in the SIT, tenders shall hold good for acceptance for a minimum period of 90 days (ninety days) from the date of opening of the tenders. The offers of the tenderers shall be irrevocable.
- 54.3.2 Right to Reject all Bids:** The seller reserves the right to accept/reject and cancel any bid, amend the quantity under any lot or withdraw any lot at any stage after acceptance of bid/issue of acceptance letter/sale order/delivery order/deposit of the full sale value by the bidder, without assigning any reason thereof and the value of such material, if paid for, shall be refundable. The seller shall not be responsible for damage/loss to bidders on account of such withdrawal at any stage from the sale.
- 54.3.3** Unless otherwise stated in the SIT, the amount of EMD in such tenders would be 5% of the value of the tender. The Earnest Money shall be forfeited if the tenderer unilaterally withdraws, amends, impairs or derogates from his offer in any respect within the period of validity of his offer.
- 54.3.4** If the offer of the tenderer is not accepted by the SPMCIL, the Earnest Money deposit made by the tenderer shall be refunded to him. No interest shall be payable on such refunds. The EMD deposited by the successful tenderer shall remain with the SPMCIL till payment of the security deposit (SD) money, as stipulated in relevant Clause, has been made. It may be adjusted as part of the total SD money at the discretion of the SPMCIL.





**54.3.5 Excise Duty, Taxes and TCS:** Commercial tax/terminal tax, Octroi, municipal tax or any other taxes/duties etc. whatever in force shall be payable extra by the purchaser as per rules applicable to SPMCIL. Current and valid PAN and sales/commercial tax registration number wherever applicable must be provided in the Bid of the Tenderer. Any statutory variations in the rate of taxes/duties are to be borne by the purchaser. VAT/ excise duty rates indicated in the e-auction catalogue are only indicative and the actual VAT rates as applicable on the date shall be payable by the successful bidders directly to the seller at the time of taking delivery of materials. Form 'C' will be accepted. Tax Collected at Source (TCS) at the prevailing rate may be deducted from all payments made to the buyer. In order to avoid the imposition of penalty, the amount deposited by the successful bidder towards taxes, duties and TCS will be immediately deposited with the concerned tax authorities without waiting for the actual delivery. Registered dealers who are exempted from payment of Sales Tax must submit copies of their Registration certificate of concerned authority and shall be required to submit necessary form duly completed in all respect to SPMCIL or its representatives before obtaining delivery order, duly signed by the partner of the firm or the person authorized to do so.

**54.3.6** All arrangement for lifting and transportation of scrap material, including manpower, crane, transport vehicle and trolley etc, if required shall be made by the purchaser concerned only and the SPMCIL shall not provide or help in providing any such arrangements and the rate quoted by the purchaser must include such and all incidental charges.

**54.3.7 Sale of Items/Lots Comprising Hazardous Waste:** Sale of hazardous waste items will be governed by the following procedures in addition to guidelines/notifications issued by the Central Pollution Control Board (CPCB)/Ministry of Environment and Forests (MoEF) from time to time:

- a) Sale of old batteries/lead acid batteries will be governed by the Batteries (Management & Handling) Rules, 2001 and its subsequent amendments.
- b) Sale of other categories of hazardous waste items will be governed by the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008 and its subsequent amendments and/or their relevant statutory act/rules.
- c) Sale of e-waste shall be governed by e-Waste (Management and Handling) Rules, 2011.
- d) Bidders must submit a notarized copy of the valid registration certificates issued by the State (or Union Territory) Pollution Control Board (PCB) and produce it at the time of taking delivery of the materials, failing which their bid will be liable for rejection. In case of lead acid batteries, used/waste oils, and nonferrous metal wastes, in addition to submitting necessary valid registration from the SPCB, the bidder must also submit a notarized copy of the valid registration certificate from CPCB (or MoEF); and

e) In case of a sale involving inter-state movement of goods, the buyer shall also submit an NOC from the concerned SPCB, with whom the buyer is

registered, to the seller before taking delivery, failing which the buyer will be responsible for the consequences and the seller shall take further decision as may be deemed fit.

**54.3.8** Evaluation of tenders for Disposal of scrap will be done on similar basis as Tenders for Procurement of Goods, except that in supersession of clause 41 above, the selection of the bidders shall be on the basis of the highest responsive Bidder (H1). In case full quantity is not offered to be taken by the Highest Bidder, parallel contracts would be placed.

#### **54.4 Notification of Acceptance and Award of Contract:**

**54.4.1** The successful tenderer, herein after referred to as purchasers, shall have to submit security deposit (SD) @ 3% - 5% of the total sale value of the contract within 5 working days of issue of the sale contract (excluding the date of issue of sale contract). The SD shall be deposited in the form of bank draft/pay order, drawn on any nationalized or recognized bank in favour of SPMCIL as mentioned in clause 1 of NIT in connection with EMD.

**54.4.2** The purchaser has to pay balance payment within 20 days from the date of notification of acceptance, which is to be issued by SPMCIL or his authorized representative, in form of Bank draft drawn on any nationalized or recognized bank in favour of same authority as mentioned above. In case of any, default to deposit balance payment, SPMCIL reserves right to terminate the contract and forfeit the security deposit.

#### **54.5 Disposal Tenders for Security and Sensitive Machinery and Items:**

**54.5.1 Non-Misuse Declaration:** The bidder is required to give an undertaking that he or his employees or legal heirs will ensure that such items purchased from SPMCIL, will be utilized only for scrap recovery, and will not be misused for any other purpose. He will also ensure that this undertaking is honoured, and it got underwritten from further down the line scrap processors/ re-purchasers, if any. In case his firm changes hands, it will be his responsibility to ensure that the new owners honour and underwrite this undertaking.

**54.5.2** If stipulated in SIT delivery would be given only in dismantled/cut-up condition.

### **55. Development and Indigenization Tenders:**

**55.1** Already developed firms or firms who have already received development orders for the item (with whatever results) would not be considered in such tenders.

**55.2** If specified in SIT the contract documents may be issued free of cost, and submission of earnest money deposit and security deposit may be relaxed.

**55.3** If specified in SIT, The Tenderers may quote separately for

- i. Price/rate for bulk supply of item in development/indigenization supplies and
- ii. Separately, cost of development including cost of pre-production samples. Firms would be paid only for the number of samples specified in the Tender. If he has to manufacture more samples due to failure of earlier one, he would not be paid for it.





- 55.4** L1 would be determined on the basis of rate of item quoted including reference to total cost of the development cost (including the cost of prototype) plus the notional total cost of quantities that will be required over next three years, wherever applicable.
- 55.5** Development contracts may, as far as feasible, be concluded with two or more contractors in parallel.
- 55.6** The ratio of splitting of the supply order between various development agencies/ firms in cases of parallel development, including criteria thereof, would be specified in the SIT.
- 55.7** However, in case the requirement is meagre and complex technology is involved, or quantity of the equipment/ spares is limited/small/ uneconomic if distributed between two vendors, the entire order could be placed upon the L1 vendor only.
- 55.8** If specified in SIT, Advance and Intermediate Payment to Suppliers may be allowed.
- 55.9** **Quantity for Development Commitment**

In Next three years, after the newly developed firm is able to successfully complete Development orders with +/-5% tolerance, 20% of annual quantity requirement may be reserved for Newly Developed firms.

**55.10** **Period of Development Commitment**

A newly developed firm would be granted this facility till only three years after completing the initial Development order. However, this facility is not a bar to the firm from competing with already established firms for quantities larger than 20% provided their prices and performance so warrant. Thereafter they would have to compete on equal terms with other already developed firms.

## Section IV: General Conditions of Contract (GCC)

### Part I: General Conditions of Contract applicable to all types of Tenders

#### 1. Definitions; Interpretation and Abbreviations: In the contract, unless the context otherwise requires:

##### 1.1 Definitions and Interpretation:

- (i) “Contract” means the letter or memorandum communicating to the Contractor the acceptance of this tender and includes “Intimation of Award” of his tender; “Contract” includes Bid Invitation, Instructions to Tenderers, Tender, Acceptance of Tender, General Conditions of Contract, Schedule of Requirements, particulars and the other conditions specified in the acceptance of tender and includes a repeat order which has been accepted or acted upon by the Contractor and a formal agreement, if executed;
- (ii) “Contractor” or “Supplier” means the individual or the firm supplying the goods and services. The term includes his employees, agents, successors, authorized dealers, stockists, and distributors. Other homologous terms are: Vendor, Firm, Manufacturer, OEM etc.;
- (iii) “Drawing” means the drawing or drawings specified in or annexed to the Specifications;
- (iv) “Government” means the Central Government or a State Government as the case may be;
- (v) The “Inspecting Officer” means the person, or organisation specified in the contract for the purpose of inspection of stores of work under the contract and includes his/ their authorised representative;
- (vi) “Purchase Officer” means the officer signing the acceptance of tender and includes any officer who has authority to execute the relevant contract on behalf of the Purchaser;
- (vii) The “Purchaser” means SPMCIL – the organization purchasing goods and services as incorporated in the documents;
- (viii) “Signed” includes stamped, except in the case of an acceptance of tender or any amendment thereof;
- (ix) “Test” means such test as is prescribed by the particulars or considered necessary by the Inspecting Officer whether performed or made by the Inspecting Officer or any agency acting under the direction of the Inspecting Officer;
- (x) The delivery of the stores shall be deemed to take place on delivery of the stores in accordance with the terms of the contract, after approval by the Inspecting Officer if so provided in the contract —
  - a. The consignee at his premises; or



- b. Where so provided, the interim consignee at his premises; or
  - c. A carrier or other person named in the contract for the purpose of transmission to the consignee: or
  - d. The consignee at the destination station in case of contract stipulating for delivery of stores at destination station.
- (xi) “Writing” or “Written” includes matter either in whole or in part, in manuscript, typewritten, lithographed, cyclostyled, photographed, or printed under or over signature or seal, as the case may be.
- (xii) Words in the singular include the plural and vice-versa.
- (xiii) Words importing the masculine gender shall be taken to include the feminine gender and words importing persons shall include any company or association or body of individuals, whether incorporated or not.
- (xiv) ‘The heading of these conditions shall not affect the interpretation or construction thereof.
- (xv) Terms and expression not herein defined shall have the meanings assigned to them in the Indian Sale of Goods Act, 1930 (as amended) or the Indian Contract Act, 1872 (as amended) or the General Clauses Act, 1897 (as amended) as the case may be.
- (xvi)** “Parties”: The parties to the contract are the “Contractor” and the “Purchaser”, as defined above;
- (xvii) “Tender” means quotation / bid received from a firm / supplier.
- (xviii) “Goods” means the articles, material, commodities, livestock, furniture, fixtures, raw material, spares, instruments, machinery, equipment, industrial plant etc. which the supplier is required to supply to SPMCIL under the contract. Other homologous terms are: Stores, Materials etc.
- (xix) “Services” means services allied and incidental to the supply of goods, such as transportation, installation, commissioning, provision of technical assistance, training, after sales service, maintenance service and other such obligations of the supplier covered under the contract.
- (xx) “Earnest Money Deposit” (EMD) means monetary guarantee to be furnished by a Tenderer along with its tender.
- (xxi) “Performance Security” means monetary guarantee to be furnished by the successful Tenderer for due performance of the contract placed on it. Performance Security is also known as Security Deposit or Performance Bank Guarantee.
- (xxii) “Consignee” means the person to whom the goods are required to be delivered as specified in the Contract. If the goods are required to be delivered to a person as an interim consignee for the purpose of despatch to another person as provided in the Contract then that “another” person is the consignee, also known as ultimate consignee.



- (xxiii) “Specification” or “Technical Specification” means the drawing/ document/ standard that prescribes the requirement to which product or service has to conform.
- (xxiv) “Inspection” means activities such as measuring, examining, testing, analysing, gauging one or more characteristics of the product or service, and comparing the same with the specified requirement to determine conformity.
- (xxv) “Day” means calendar day.
- (xxvi) “Scheduled Commercial Bank” means a bank, defined as a scheduled bank under section 2(e) of the Reserve Bank of India Act, 1934.

## 1.2 Abbreviations:

AAEC	“Appreciable Adverse Effect on Competition” as per Competition Act
BG	Bank Guarantee
BL or B/L	Bill of Lading
BNPMIPL	Bank Note Paper Mill India Private Limited, Mysore
BRBNMPL	Bhartiya Reserve Bank Note Mudran Private Limited, Bangalore
CD	Custom Duty
CIF	Cost, Insurance and Freight Included
CMD	Chairman and Managing Director
CPSU	Central Public Sector Undertaking
CST	Central Sales Tax
CWBN	Cylinder-mould-Vat-made Watermarked Bank Note Paper
DDO	Direct Demanding Officer in Rate Contracts
DEA	Department of Economic Affairs
DoCC	Currency and Coins Division in Department of Economic Affairs
DP	Delivery Period
ECS	Electronic clearing system
ED	Excise Duty
EMD	Earnest money deposit
EOI	Expression of Interest (Tendering System)
ERV	Exchange rate variations
FAS	Free alongside shipment
FOB	Freight on Board
FOR	Free on Rail
GCC	General Conditions of Contract
GIT	General Instructions to Tenderers
GOI	Government of India
GST	Goods and Services Tax which will replace Sales Tax
H1, H2 etc	First Highest, Second Highest Offers etc in Disposal Tenders
Incoterms	International Commercial Terms, 2000 (of ICC)



L1, L2 etc	First or second Lowest Offer etc.
LC	Letter of Credit
LD or L/D	Liquidated Damages
LSI	Large Scale Industry
NIT	Notice Inviting Tenders.
NSIC	National small industries corporation
PQB	Pre-qualification bidding
PSU	Public Sector Undertaking
PVC	Price variation clause
RBI	Reserve Bank of India
RC	Rate contract
RFI	Request for Information
RFP	Request for Proposal
RFQ	Request for Qualification
RR or R/R	Railway Receipt
SBD or T E Document	(Standard) BID / Tender Document
SCC	Special Conditions of Contract
SIT	Special Instructions to Tenderers
SPM	Security Paper Mill, Narmadapuram, India
SPMCIL	Security Printing and Minting Corporation Limited
SSI	Small Scale Industry
ST	Sales Tax
VAT	Value Added Tax

## 2. Application

**2.1.** The General Conditions of Contract incorporated in this section shall be applicable for this purchase to the extent the same are not superseded by the Special Conditions of Contract (SCC) prescribed under Section V of this document.

**2.2.** General Conditions of the contract shall not be changed from one tender to other.

### **2.3. Other Laws and Conditions That will Govern the Contract:**

Besides GCC and SCC following conditions and Laws will also be applicable and would be considered as part of the contract:

- i. Indian Contracts Act, 1872
- ii. Sale of Goods Act, 1930
- iii. Arbitration and Conciliation Act, 1996 and Arbitration and Reconciliation Amendment Act, 2015
- iv. Competition Act, 2002 as amended by Competition (Amendment Act), 2007
- v. Contractor's Tender Submissions including Revised Offer during Negotiations if any

- vi. Conditions in other parts of the Tender Documents
- vii. Integrity Pact signed in terms of the Tender Document
- viii. Correspondence including counter-offers if any; between the Contactor and SPMCIL during the Tender Finalization
- ix. Notification of award and Contract Documents
- x. Subsequent Amendments to the Contract

### 3. Use of contract documents and information

- 3.1.** The supplier shall not, without SPMCIL's prior written consent, disclose the contract or any provision thereof including any specification, drawing, sample, or any information furnished by or on behalf of SPMCIL in connection therewith, to any person other than the person(s) employed by the supplier in the performance of the contract emanating from this tender document. Further, any such disclosure to any such employed person shall be made in confidence and only so far as necessary for the purposes of such performance for this contract.
- 3.2.** During the process of procurement of Security or Sensitive Machinery and Items, Tender Documents and the specifications/ drawings of such items would be issued only to Vendors having security clearance within the validity of such clearance and he shall maintain absolute secrecy and strictly control the number of copies and access to the documents and copies thereof, in addition to safeguards mentioned in sub-para above.
- 3.3.** Further, the supplier shall not, without SPMCIL's prior written consent, make use of any document or information mentioned in GCC sub-clause 3.1 above except for the sole purpose of performing this contract.
- 3.4.** Except the contract issued to the supplier, each and every other document mentioned in GCC sub-clause 3.1 above shall remain the property of SPMCIL and, if advised by SPMCIL, all copies of all such documents shall be returned to SPMCIL on completion of the supplier's performance and obligations under this contract.

### 4. Patent Rights

- 4.1.** The supplier shall, at all times, indemnify SPMCIL, free of cost, against all claims which may arise in respect of goods & services to be provided by the supplier under the contract for infringement of any right protected by patent, registration of designs or trademarks. In the event of any such claim in respect of alleged breach of patent, registered designs, trademarks etc. being made against SPMCIL, SPMCIL shall notify the supplier of the same and the supplier shall, at his own expenses take care of the same for settlement without any liability to SPMCIL.

### 5. Country of Origin

- 5.1.** All goods and services to be supplied and provided for the contract shall have the origin in India or in the countries with which the Government of India has trade relations.
- 5.2.** The word "origin" incorporated in this clause means the place from where the goods are mined, cultivated, grown, manufactured, produced, or processed or from where the services are arranged.





## 6. Performance Bond/ Security

- 6.1. Within 21 (Twenty Days) in case of Non-GeM tenders and 14 (Fourteen Days) in case of GeM tenders days after the issue of notification of award by SPMCIL, the supplier shall furnish performance security to SPMCIL for an amount equal to 3% - 5% of the total value of the contract, valid up to sixty days after the date of completion of all contractual obligations by the supplier, including the warranty obligations.
- 6.2. The Performance security shall be denominated in Indian Rupees or in the currency of the contract and shall be in one of the following forms:
- Account Payee Demand Draft or Fixed Deposit Receipt drawn on any commercial bank in India, in favour of SPMCIL as indicated in the clause 1 of NIT in reference to EMD.
  - Bank Guarantee (including e-PBG) issued by a commercial bank in India, in the prescribed form as provided in section XV of this document.
  - Insurance security bonds
  - Online Payments
- 6.3. In the event of any loss due to supplier's failure to fulfil its obligations in terms of the contract, the amount of the performance security shall be payable to SPMCIL to compensate SPMCIL for the same.
- 6.4. In the event of any amendment issued to the contract, the supplier shall, within twenty-one days of issue of the amendment, furnish the corresponding amendment to the Performance Security (as necessary), rendering the same valid in all respects in terms of the contract, as amended.
- 6.5. Subject to GCC sub-clause 6.3 above, SPMCIL will release the performance security without any interest to the supplier on completion of the supplier's all contractual obligations including the warranty obligations.

## 7. Technical Specifications and Standards

- 7.1. The Goods & Services to be provided by the supplier under this contract shall conform to the technical specifications and quality control parameters mentioned in 'Technical Specification' under section vii and 'Quality Control Requirements' under Sections VII and VIII of this document.

## 8. Packing and Marking

- 8.1. The packing for the goods to be provided by the supplier should be strong and durable enough to withstand, without limitation, the entire journey during transit including transshipment (if any), rough handling, open storage etc. without any damage, deterioration etc. As and if necessary, the size, weights and volumes of the packing cases shall also take into consideration, the remoteness of the final destination of the goods and availability or otherwise of transport and handling facilities at all points during transit upto final destination as per the contract.
- 8.2. The quality of packing, the manner of marking within & outside the packages and provision of accompanying documentation shall strictly comply with the requirements as provided in



Technical Specification as per Section VII and Quality Control Requirements under Section VIII and in SCC under Section V. In case the packing requirements are amended due to issue of any amendment to the contract, the same shall also be taken care of by the supplier accordingly.

### 8.3. Packing instructions:

Unless otherwise mentioned in the Technical Specification as per Section VII and Quality Control Requirements under Section VIII and in SCC under Section V, the supplier shall make separate packages for each consignee (in case there is more than one consignee mentioned in the contract) and mark each package on three sides with the following with indelible paint of proper quality:

- a) contract number and date
- b) brief description of goods including quantity
- c) packing list reference number
- d) country of origin of goods
- e) consignee's name and full address and
- f) supplier's name and address

## 9. Inspection and Quality Control

- 9.1. SPMCIL and/ or its nominated representative(s) will, without any extra cost to SPMCIL, inspect and/ or test the ordered goods and the related services to confirm their conformity to the contract specifications and other quality control details incorporated in the contract. SPMCIL shall inform the supplier in advance, in writing, SPMCIL's programme for such inspection and, also the identity of the officials to be deputed for this purpose.
- 9.2. The Technical Specification and Quality Control Requirements incorporated in the contract shall specify what inspections and tests are to be carried out and, also, where, and how they are to be conducted. If such inspections and tests are conducted in the premises of the supplier or its subcontractor(s), all reasonable facilities and assistance, including access to relevant drawings, design details and production data, shall be furnished by the supplier to SPMCIL's inspector at no charge to SPMCIL.
- 9.3. If during such inspections and tests the contracted goods fail to conform to the required specifications and standards, SPMCIL's inspector may reject them and the supplier shall either replace the rejected goods or make all alterations necessary to meet the specifications and standards, as required, free of cost to SPMCIL and resubmit the same to SPMCIL's inspector for conducting the inspections and tests again.
- 9.4. In case the contract stipulates pre-despatch inspection of the ordered goods at suppliers premises, the supplier shall put up the goods for such inspection to SPMCIL's inspector well ahead of the contractual delivery period, so that SPMCIL's inspector is able to complete the inspection within the contractual delivery period.
- 9.5. If the supplier tenders the goods to SPMCIL's inspector for inspection at the last moment without providing reasonable time to the inspector for completing the inspection within the contractual delivery period, the inspector may carry out the inspection and complete the formality beyond the contractual delivery period at the risk and expense of the supplier. The



fact that the goods have been inspected after the contractual delivery period will not have the effect of keeping the contract alive and this will be without any prejudice to the legal rights and remedies available to SPMCIL under the terms & conditions of the contract.

- 9.6. SPMCIL's contractual right to inspect, test and, if necessary, reject the goods after the goods' arrival at the final destination shall have no bearing of the fact that the goods have previously been inspected and cleared by SPMCIL's inspector during pre-despatch inspection mentioned above.
- 9.7. Goods accepted by SPMCIL and/ or its inspector at initial inspection and in final inspection in terms of the contract shall in no way dilute SPMCIL's right to reject the same later, if found deficient in terms of the warranty clause of the contract, as incorporated under GCC Clause 16.

## 10. Terms of Delivery

- 10.1. Goods shall be delivered by the supplier in accordance with the terms of delivery specified in the contract.

## 11. Transportation of Goods

- 11.1. The supplier shall not arrange part-shipments and/ or transshipment without the express/ prior written consent of SPMCIL.
- 11.2. **Instructions for transportation of domestic goods including goods already imported by the supplier under its own arrangement:** In case no instruction is provided in this regard in the SCC, the supplier will arrange transportation of the ordered goods as per its own procedure.
- 11.3. **Shipping Arrangement for Foreign Contracts:** In the case of FOB/FAS/FCA contracts, shipping arrangements shall be made by SPMCIL. The Contractor shall give adequate, notice to the Forwarding Agents/Nominees about the readiness of the cargo from time to time and at least six weeks' notice in advance of the required position for finalising the shipping arrangements. In the case of C&F/CIF/CIP contracts, the Contractor shall arrange shipment in accordance with the instructions from SPMCIL.
- 11.4. **Airlifting:** Should the Purchaser intend to airlift all or some of the stores the Contractor shall pack the stores accordingly on receipt of intimation to that effect from the Purchaser. Such deliveries will be agreed upon well in advance and paid for as may be mutually agreed.

## 12. Insurance:

- 12.1 Unless otherwise instructed in the SCC, the supplier shall make arrangements for insuring the goods against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery in the following manner:
- 12.2 In case of supply of domestic goods on CIF destination basis, the supplier shall be responsible till the entire stores contracted for arrive in good condition at destination. The transit risk in this respect shall be covered by the Supplier by getting the stores duly insured. The insurance cover shall be obtained by the Supplier in its own name and not in the name of SPMCIL or its Consignee.

- 12.3** In the case of FOB and C&F offers for import of Goods, insurance shall be arranged by the Purchaser. However, the supplier must give sufficient notice to the Purchaser prior to the date of shipment, so that the Insurance Cover for the shipment can be activated. The Supplier must co-ordinate so as to ensure that the Shipment sails only with Insurance cover in place.
- 12.4** In case of Import of Goods, even in case where the insurance is paid by the Purchaser, and loss or damage shall be made good by the Contractor free of cost, without waiting for the settlement of insurance claim. The payment after settlement of insurance claim shall be reimbursed by the Purchaser to the Contractor. It will be entirely the responsibility of the Contractor to make good loss/damage without waiting for settlement of insurance claim so that machine is commissioned within the time specified in the contract.

### 13. Spare parts

- 13.1.** If specified in the List of Requirements and in the resultant contract, the supplier shall supply/ provide any or all of the following materials, information etc. pertaining to spare parts manufactured and/ or supplied by the supplier:
- a) The spare parts as selected by SPMCIL to be purchased from the supplier, subject to the condition that such purchase of the spare parts shall not relieve the supplier of any contractual obligation including warranty obligations; and
  - b) In case the production of the spare parts is discontinued:
    - i. sufficient advance notice to SPMCIL before such discontinuation to provide adequate time to SPMCIL to purchase the required spare parts etc., and
    - ii. immediately following such discontinuation, providing SPMCIL, free of cost, the designs, drawings, layouts, and specifications of the spare parts, as and if requested by SPMCIL.
- 13.2.** Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spares for the goods so that the same are supplied to SPMCIL promptly on receipt of order from SPMCIL.

### 14. Incidental services

- 14.1.** Subject to the stipulation, if any, in the SCC (Section-V) and the Technical Specification (Section – VII), the supplier shall be required to perform any or all of the following services.
- a) Providing required jigs and tools for assembly, start-up, and maintenance of the goods
  - b) Supplying required number of operation & maintenance manual for the goods
  - c) Installation and commissioning of the goods
  - d) Training of SPMCIL's operators for operating and maintaining the goods
  - e) Providing after sales service during the tenure of the contract
  - f) Providing maintenance service after expiry of the warranty period of the goods if so incorporated in the contract
- 14.2.** Prices to be paid to the supplier by SPMCIL for any of the required incidental services, if not already included in the contract price during the placement of the contract, shall be settled



and decided in advance by SPMCIL and the supplier. However, such prices shall not exceed the contemporary rates charged by the supplier to other customers for similar services.

## 15. Distribution of Despatch Documents for Clearance/ Receipt of Goods

**15.1.** The supplier shall send all the relevant despatch documents well in time to SPMCIL to enable SPMCIL to clear or receive (as the case may be) the goods in terms of the contract. Unless otherwise specified in the SCC, the usual documents involved and the drill to be followed in general for this purpose are as follows:

**15.2.** For Domestic Goods, including goods already imported by the supplier under its own arrangement Within 24 hours of despatch, the supplier shall notify SPMCIL, consignee, and others concerned if mentioned in the contract, the complete details of despatch and also supply the following documents to them by registered post / speed post (or as instructed in the contract):

- (a) Supplier's Invoice indicating, inter alia description and specification of the goods, quantity, unit price, total value;
- (b) Packing list;
- (c) Insurance certificate;
- (d) Railway receipt/ Consignment note;
- (e) Manufacturer's guarantee certificate and in-house inspection certificate;
- (f) Inspection certificate issued by SPMCIL's inspector
- (g) Expected date of arrival of goods at destination and
- (h) Any other document(s), as and if specifically mentioned in the contract.

**15.3.** For Imported Goods, within 3 days of despatch, the supplier will Notify SPMCIL, consignee and other concerned if mentioned in the contract, the complete details of despatch and also supply the following documents to them by Courier (or as instructed in the Contract), besides advance intimation by Fax/ email:

- (a) Clean on-Board Airway Bill/Bill of Lading (B/L)
- (b) Original Invoice
- (c) Packing List
- (d) Certificate of Origin from Seller's Chamber of Commerce
- (e) Certificate of Quality and current manufacture from OEM
- (f) Dangerous Cargo Certificate, if any.
- (g) Insurance Policy of 110% if CIF/CIF contract.
- (h) Performance Bond/Warranty Certificate

## 16. Warranty

**16.1.** The supplier warrants that the goods supplied under the contract is new, unused, and incorporate all recent improvements in design and materials unless prescribed otherwise by SPMCIL in the contract. The supplier further warrants that the goods supplied under the contract shall have no defect arising from design, materials (except when the design adopted and / or the material used are as per SPMCIL's specifications) or workmanship or from any act or omission of the supplier, that may develop under normal use of the supplied goods under the conditions prevailing in India.

- 16.2.** This warranty shall remain valid for twelve months after the goods or any portion thereof as the case may be, have been delivered to the final destination and installed and commissioned at the final destination and accepted by SPMCIL in terms of the contract or for fifteen months from the date of despatch from the supplier's premises for domestic goods (including goods already imported by the supplier under its own arrangement) or for eighteen months after the date of shipment from the port of loading in the source country for imported goods offered from abroad, whichever is earlier, unless specified otherwise in the SCC.
- 16.3.** In case of any claim arising out of this warranty, SPMCIL shall promptly notify the same in writing to the supplier.
- 16.4.** Upon receipt of such notice, the supplier shall, with all reasonable speed (or within the period, if specified in the SCC), repair or replace the defective goods or parts thereof, free of cost, at the ultimate destination. The supplier shall take over the replaced parts/ goods after providing their replacements and no claim, whatsoever shall lie on SPMCIL for such replaced parts/ goods thereafter.
- 16.5.** In the event of any rectification of a defect or replacement of any defective goods during the warranty period, the warranty for the rectified/ replaced goods shall be extended to a further period of twelve months from the date such rectified / replaced goods starts functioning to the satisfaction of SPMCIL.
- 16.6.** If the supplier, having been notified, fails to rectify/ replace the defect(s) within a reasonable period (or within the period, if specified in the SCC), SPMCIL may proceed to take such remedial action(s) as deemed fit by SPMCIL, at the risk and expense of the supplier and without prejudice to other contractual rights and remedies, which SPMCIL may have against the supplier.

## 17. Assignment

- 17.1.** The Supplier shall not assign, either in whole or in part, its contractual duties, responsibilities, and obligations to perform the contract, except with SPMCIL's prior written permission.

## 18. Subcontracts

- 18.1.** The Supplier shall notify SPMCIL in writing of all subcontracts awarded under the contract if not already specified in its tender. Such notification, in its original tender or later, shall not relieve the Supplier from any of its liability or obligation under the terms and conditions of the contract.
- 18.2.** Subcontract shall be only for bought out items and sub-assemblies.
- 18.3.** Sub-contracts shall also comply with the provisions of GCC Clause 5 ("Country of Origin").

## 19. Modification of contract

- 19.1.** Once a contract has been concluded, the terms and conditions thereof will generally not be varied. However, if necessary, SPMCIL may, by a written order given to the supplier at any time during the currency of the contract, amend the contract by making alterations and modifications within the general scope of contract in any one or more of the following:
- (a) Specifications, drawings, designs etc. where goods to be supplied under the contract are to be specially manufactured for SPMCIL,



- (b) mode of packing,
- (c) incidental services to be provided by the supplier
- (d) mode of despatch,
- (e) place of delivery, and
- (f) any other area(s) of the contract, as felt necessary by SPMCIL depending on the merits of the case.

**19.2.** In the event of any such modification/ alteration causing increase or decrease in the cost of goods and services to be supplied and provided, or in the time required by the supplier to perform any obligation under the contract, an equitable adjustment shall be made in the contract price and/ or contract delivery schedule, as the case may be, and the contract amended accordingly. If the supplier does not agree to the adjustment made by SPMCIL, the supplier shall convey its views to SPMCIL within twenty-one days from the date of the supplier's receipt of SPMCIL's amendment / modification of the contract.

**19.3. Option Clause:** By a suitable provision in the SCC, The Purchaser reserves the right to increase/decrease the ordered quantity up to 25% at any time, till final delivery date of the contract (or the extended delivery date of the contract), by giving reasonable notice even though the quantity ordered initially has been supplied in full before the last date of Delivery Period (or the extended delivery period of the contract)

## 20. Prices

**20.1.** Prices to be charged by the supplier for supply of goods and provision of services in terms of the contract shall not vary from the corresponding prices quoted by the supplier in its tender or during negotiations, if any, and incorporated in the contract except for any price adjustment authorized in the SCC.

## 21. Taxes and Duties

**21.1.** Supplier shall be entirely responsible for all taxes, duties, fees, levies etc. incurred until delivery of the contracted goods to SPMCIL.

**21.2.** Further instruction, if any, shall be as provided in the SCC.

## 22. Terms and Mode of Payment: Unless specified otherwise in SCC, the terms of payments would be as follows:

**22.1.** Unless otherwise specified in SCC, usual payment term is 100% on receipt and acceptance of goods by the Purchaser and on production of all required documents by the supplier.

**22.2. For Domestic Goods:** Unless otherwise specified in the SCC, payments to suppliers are usually made by account payee cheque or through ECS only. The tenderer shall give his consent in a mandate form for receipt of payment through NEFT (Section XIX); by attaching the same in the (Technical) Bid. Tenderer shall provide the details of Bank A/C in line with RBI guidelines for the same. These details will include Bank Name, Branch Name & Address, Account Type, Bank A/C No., and Bank & Branch Code as appearing on MICR cheque issued by bank. Tenderer shall also attach certificate from their bank certifying the correctness of all above-mentioned information. In case of non-payment through EFT, or where EFT facility is not available, payment may be released through cheque. The purchase order will contain the following details as furnished by the firm;



- (i) Account no. & Type
- (ii) Bank Name & Code.
- (iii) Branch name & Address.
- (iv) Whether payment is through EFT or Cheque.

**22.2.1.** Where the terms of delivery is FOR dispatching Station, the payment terms, depending on the value and nature of the goods, mode of transportation etc. maybe – 60% to 90% (as specified in SIT) on proof of despatch and other related documents and balance on receipt at site and acceptance by the consignee.

**22.2.2.** Where the terms of delivery is CIF destination/delivery at site/FOR destination, usual payment term is 100% on receipt and acceptance of goods by the consignee and on production of all required documents by the supplier.

**22.2.3.** Where goods to be supplied also need installation and commissioning by the supplier, the payment terms are generally as under:

- (a) For a contract with terms of delivery as FOR dispatching station
  - i. 60% on proof of despatch along with other specified documents
  - ii. 30% on receipt of the goods at site by the consignee and balance
  - iii. 10% on successful installation and commissioning and acceptance by the user department.
- (b) For a contract with terms of delivery as CIF destination/ Delivery at site/FOR destination
  - i. 90% of the machine cost on receipt and acceptance of goods by the consignee at destination and on production of all required documents by the supplier
  - ii. 10% of the machine cost and 100% of the installation, commissioning and training (ICT) cost on successful installation and commissioning and acceptance by the user department.

**22.3. For Imported Good:** Unless otherwise specified in SCC, payments are made through an irrevocable Letter of Credit (LC).

- (a) Cases where Installation, Erection and Commissioning (if applicable) are not the responsibility of the Supplier – 80-100% NET FOB/FAS/CFR/CIF/CIP price is to be paid against invoice, shipping documents, inspection certificate (where applicable), manufacturers' test certificate, etc. and balance after receipt of goods and acceptance by the consignee/user department.
- (b) Cases where Installation, Erection and Commissioning are the responsibility of the Supplier – 80% - 90% net FOB/FAS price (as specified in the SCC) will be paid against invoice, inspection certificate (where applicable), shipping documents etc. and balance within 21 - 30 days of successful installation and commissioning at the consignee's premises and acceptance by the consignee.





- (c) Payment of Agency Commission against FOB/FAS/CFR/CIP/CIF Contract – Entire 100% agency commission is generally paid in Indian Rupees; after expiry of 90 days after the discharge of all obligations under the contract and after all other payments have been made to the supplier in terms of the contract. Tax deduction at source is applicable to the agency commission paid to the Indian agent as per the prevailing rules.
- (D) If LC is not opened, payment can also be made to the seller through direct bank transfer for which seller has to provide all the required documents as specified in the contract.

**22.4.** Unless specified otherwise in the SCC, the following general conditions will apply for payment to the supplier.

**22.5.** The payment shall be made in the currency / currencies authorized in the contract.

**22.6.** The supplier shall send its claim for payment in writing as per Section XVIII – “Proforma for Bill for Payments”, when contractually due, along with relevant documents etc., duly signed with date, as specified in SCC and in a manner as also specified therein.

**22.7.** While claiming payment, the supplier is also to certify in the bill that the payment being claimed is strictly in terms of the contract and all the obligations on the part of the supplier for claiming that payment has been fulfilled as required under the contract.

**22.8.** The important documents which the supplier is to furnish while claiming payment are:

- a) Original Invoice
- b) Packing List
- c) Certificate of country of origin of the goods from seller's Chamber of Commerce.
- d) Certificate of pre-despatch inspection by SPMCIL's representative/ nominee
- e) Manufacturer's test certificate
- f) Performance /warranty certificate, if applicable
- g) Certificate of Insurance
- h) Clean on Bill of lading/ Airway bill/ Rail receipt or any other despatch document, issued by a government agency (like postal department) or an agency duly authorized by the concerned ministry/ department
- i) Consignee's Certificate confirming receipt and acceptance of goods
- j) Dangerous Cargo Certificate, if any, in case of Imported Goods.
- k) Any other document specified.

**22.9.** While claiming reimbursement of duties, taxes etc. (like sales tax, excise duty, custom duty) from SPMCIL, as and if permitted under the contract, the supplier shall also certify that, GST in case it gets any refund out of such taxes and duties from the concerned authorities at a later date, it (the supplier) shall refund to SPMCIL, SPMCIL's share out of such refund received by the supplier. The supplier shall also refund the applicable amount to SPMCIL immediately on receiving the same from the concerned authorities.

**22.10.** In case where the supplier is not in a position to submit its bill for the balance payment for want of receipted copies of Inspection Note from the consignee and the consignee has not

complained about the non-receipt, shortage, or defects in the supplies made, balance amount will be paid by the paying authority without consignee's receipt certificate after three months from the date of the preceding part payment for the goods in question, subject to the following conditions:

- a) The supplier will make good any defect or deficiency that the consignee (s) may report within six months from the date of despatch of goods.
- b) Delay in supplies, if any, has been regularized.
- c) The contract price where it is subject to variation has been finalized.
- d) The supplier furnishes the following undertakings:

"I/ We, \_\_\_\_\_ certify that I/ We have not received back the Inspection Note duly receipted by the consignee or any communication from SPMCIL or the consignee about non-receipt, shortage or defects in the goods supplied. I/ We \_\_\_\_\_ agree to make good any defect or deficiency that the consignee may report within three months from the date of receipt of this balance payment or six months from the date of despatch whichever is later.

### 23. Delay in the supplier's performance

**23.1.** The time for and the date specified in the contract or as extended for the delivery of the stores shall be deemed to be the essence of the contract and the supplier shall deliver the goods and perform the services under the contract within the time schedule specified by SPMCIL in the List of Requirements and as incorporated in the contract.

**23.2.** Subject to the provision under GCC clause 28, any unexcused delay by the supplier in maintaining its contractual obligations towards delivery of goods and performance of services shall render the supplier liable to any or all of the following sanctions besides any administrative action:

- a) imposition of liquidated damages,
- b) forfeiture of its performance security and
- c) termination of the contract for default.

**23.3.** If at any time during the currency of the contract, the supplier encounters conditions hindering timely delivery of the goods and performance of services, the supplier shall promptly inform SPMCIL in writing about the same and its likely duration and make a request to SPMCIL for extension of the delivery schedule accordingly. On receiving the supplier's communication, SPMCIL shall examine the situation as soon as possible and, at its discretion, may agree to extend the delivery schedule, with or without liquidated damages for completion of supplier's contractual obligations by issuing an amendment to the contract.

**23.4.** When the period of delivery is extended due to unexcused delay by the supplier, the amendment letter extending the delivery period shall, inter alia contain the following conditions:

- a) SPMCIL shall recover from the supplier, under the provisions of the clause 24 of the General Conditions of Contract, liquidated damages on the goods and services, which the Supplier has failed to deliver within the delivery period stipulated in the contract.



- b) That no increase in price on account of any ground, whatsoever, including any stipulation in the contract for increase in price on any other ground and, also including statutory increase in or fresh imposition of customs duty, excise duty, sales tax or on account of any other tax or duty which may be levied in respect of the goods and services specified in the contract, which takes place after the date of delivery stipulated in the contract shall be admissible on such of the said goods and services as are delivered and performed after the date of the delivery stipulated in the contract.
- c) But nevertheless, SPMCIL shall be entitled to the benefit of any decrease in price on account of reduction in or remission of customs duty, excise duty, sales tax or any other duty or tax or levy or on account of any other grounds, which takes place after the expiry of the date of delivery stipulated in the contract.

**23.5.** The supplier shall not despatch the goods after expiry of the delivery period. The supplier is required to apply to SPMCIL for extension of delivery period and obtain the same before despatch. In case the supplier despatches the goods without obtaining an extension, it would be doing so at its own risk and no claim for payment for such supply and / or any other expense related to such supply shall lie against SPMCIL.

## 24. Liquidated damages

**24.1.** Subject to GCC clause 28, if the supplier fails to deliver any or all of the goods or fails to perform the services within the time frame(s) incorporated in the contract, SPMCIL shall, without prejudice to other rights and remedies available to SPMCIL under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to the ½% percent (or any other percentage if prescribed in the SCC) of the delivered price of the delayed goods and/ or services for each week of delay or part thereof until actual delivery or performance, subject to a maximum deduction of the 10% (or any other percentage if prescribed in the SCC) of the delayed goods' or services' contract price(s). During the above-mentioned delayed period of supply and / or performance, the conditions incorporated under GCC sub-clause 23.4 above shall also apply. In all such cases GST would not be applicable on LD.

## 25. Custody and Return of SPMCIL Materials/ Equipment/ Documents loaned to Contractor

**25.1.** Whenever stores are required to be issued to the firm/contractor for fabrication or prototypes or sub-assemblies are issued for guidance in fabrication, these would be issued against appropriate Bank Guarantee as specified in SCC. In addition to the Bank Guarantee, appropriate insurance may be asked if specified in the SCC.

**25.2.** All drawings and samples issued to the contractor in connection with the contract must be returned by him. Final payment will be withheld if this is not done, besides any other sanction deemed fit by SPMCIL.

## 26. Termination for default

**26.1.** SPMCIL, without prejudice to any other contractual rights and remedies available to it (SPMCIL), may, by written notice of default sent to the supplier, terminate the contract in whole or in part, if the supplier fails to deliver any or all of the goods or fails to perform any other contractual obligation(s) within the time period specified in the contract, or within any extension thereof granted by SPMCIL pursuant to GCC sub-clauses 23.3 and 23.4.



- 26.2.** In the event of SPMCIL terminates the contract in whole or in part, pursuant to GCC sub-clause 26.1 above, SPMCIL may procure goods and/ or services similar to those cancelled, with such terms and conditions and in such manner as it deems fit at the “Risk and Cost” of the supplier and the supplier shall be liable to SPMCIL for the extra expenditure, if any, incurred by SPMCIL for arranging such procurement.
- 26.3.** Unless otherwise instructed by SPMCIL, the supplier shall continue to perform the contract to the extent not terminated.

## 27. Termination for insolvency

- 27.1.** If the supplier becomes bankrupt or otherwise insolvent, SPMCIL reserves the right to terminate the contract at any time, by serving written notice to the supplier without any compensation, whatsoever, to the supplier, subject to further condition that such termination will not prejudice or affect the rights and remedies which have accrued and / or will accrue thereafter to SPMCIL.

## 28. Force Majeure

- 28.1.** 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 a party’s non-performance entirely, but only suspends it for the duration of the FM. The firm has to give notice of FM as soon as it occurs 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.
- 28.2.** Notwithstanding the provisions contained in GCC clauses 23, 24 and 26, the supplier shall not be liable for imposition of any such sanction so long the delay and/ or failure of the supplier in fulfilling its obligations under the contract is the result of an event of Force Majeure.
- 28.3.** In case due to a Force Majeure event SPMCIL is unable to fulfil its contractual commitment and responsibility, SPMCIL will notify the supplier accordingly and subsequent actions taken on similar lines described in above sub-paragraphs.

## 29. Termination for convenience

- 29.1.** SPMCIL reserves the right to terminate the contract, in whole or in part for its (SPMCIL’s) convenience, by serving written notice on the supplier at any time during the currency of the contract. The notice shall specify that the termination is for the convenience of SPMCIL. The notice shall also indicate inter-alia, the extent to which the supplier’s performance



under the contract is terminated, and the date with effect from which such termination will become effective.

**29.2.** The goods and services which are complete and ready in terms of the contract for delivery and performance within thirty days after the supplier's receipt of the notice of termination shall be accepted by SPMCIL following the contract terms, conditions, and prices. For the remaining goods and services, SPMCIL may decide:

- a) to get any portion of the balance completed and delivered at the contract terms, conditions, and prices; and / or
- b) to cancel the remaining portion of the goods and services and compensate the supplier by paying an agreed amount for the cost incurred by the supplier towards the remaining portion of the goods and services.

### 30. Governing language

**30.1.** The contract shall be written in Hindi or English language following the provision as contained in GIT clause 2. All correspondence and other documents pertaining to the contract, which the parties exchange, shall also be written accordingly in that language.

### 31. Notices

**31.1.** Notice, if any, relating to the contract given by one party to the other, shall be sent in writing or by cable or telex or facsimile and confirmed in writing. The procedure will also provide the sender of the notice, the proof of receipt of the notice by the receiver. The addresses of the parties for exchanging such notices will be the addresses as incorporated in the contract.

**31.2.** The effective date of a notice shall be either the date when delivered to the recipient or the effective date specifically mentioned in the notice, whichever is later.

### 32. Code of Ethics, Obligations, Penalties and Punishments

**32.1. Code of Ethics:** Officers and staff of SPMCIL as well as Bidders, Suppliers, Contractors, and Consultants under SPMCIL contracts shall observe the highest standard of ethics and should not indulge in following prohibited practices, either directly or indirectly, at any stage during the procurement process or during execution of resultant contracts:

- (i) **“Corrupt practice”** making offer, solicitation or acceptance of bribe, reward or gift or any material benefit, in exchange for an unfair advantage in the procurement process or to otherwise influence the procurement process; **Anti-Bribery Management System (ABMS):** By participating in this tender, the suppliers/Vendors/ Contractors are deemed to have undertaken that they shall not give or take, any financial or non-financial bribe, to or from anyone during the tender or during the execution of the contract thereafter and if they notice any such incident happening, they shall report it to Vigilance. **(It shall be incorporated in all tender including GeM tenders)**
- (ii) **“Fraudulent practice”** any omission, or misrepresentation that may mislead or attempt to mislead so that financial or other benefit may be obtained, or an obligation avoided. This includes making false declaration or providing false information for participation in a tender process or to secure a contract or in execution of the contract;
- (iii) **“Anti-competitive practice”** - any collusion, bid rigging or anti-competitive



arrangement, or any other practice coming under the purview of The Competition Act, 2002, between two or more bidders, with or without the knowledge of the procuring entity, that may impair the transparency, fairness, and the progress of the procurement process or to establish bid prices at artificial, non-competitive levels;

- (iv) **“Coercive practice”** harming or threatening to harm, persons, or their property to influence their participation in the procurement process or affect the execution of a contract;
- (v) **“Conflict of interest”** –participation by a bidding firm or any of its affiliates who are either involved in the Consultancy Contract from which particular procurement is linked; or if they are part of more than one bid in the procurement; or if their personnel have relationship or financial or business transactions with any officer in Procuring entity, who are directly or indirectly related to tender or execution process of contract; or improper use of information obtained by the (prospective) bidder from the procuring entity with an intent to gain unfair advantage in the procurement process or for personal gain; and
- (vi) **“Obstructive practice”** - materially impede procuring entity’s investigation into allegations of one or more of the above mentioned prohibited practices either by deliberately destroying, falsifying, altering; or by concealing of evidence material to the investigation; or by making false statements to investigators and/or by threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation; or by impeding the procuring entity’s rights of audit or access to information;

### 32.2. Obligations for proactive disclosures:

- i) Procuring authorities as well as bidders, suppliers, contractors, and consultants, are obliged under this Code of Integrity to suo-moto proactively declare any conflict of interest (coming under the definition mentioned above - pre-existing or as and when these arise at any stage) in any procurement process or execution of contract. Failure to do so would amount to violation of this code of integrity.
- ii) Any bidder must declare, whether asked or not in a bid-document, any previous transgressions of such code of integrity with any entity in any country during the last three years or of being debarred by any other procuring entity. Failure to do so would amount to violation of this code of integrity.

### 32.3. Penalties and Punishments

A particular violation of ethics may span more than one of above-mentioned unethical practices. Without prejudice to and in addition to the rights of the procuring entity to other penal provision as per the bid-documents or Contract, If the procuring entity comes to a conclusion that a (prospective) bidder or contractor directly or through an agent has violated this code of ethics in competing for the contract or in executing a contract, the procuring entity may take appropriate measures including:

- a) Rejection and exclusion of the bidder from the procurement process;
- b) Calling off of any pre-contract negotiations and forfeiture or encashment of bid security;
- c) Forfeiture or encashment of any other security or bond relating to the procurement;



- d) Cancellation of the relevant contract and recovery of compensation for loss incurred by the procuring entity;
- e) Recovery of payments made by the procuring entity along with interest thereon at prevailing rate;
- f) Debarment of the bidder from participation in future procurements of the procuring entity.
- g) In case of Anti-competitive practices, information for further processing may be filed with the Competition Commission of India.
- h) Initiation of suitable disciplinary or criminal proceedings against any individual staff found responsible,

### 33. Resolution of disputes

**33.1** When a dispute/ difference arise, both SPMCIL and the supplier shall first try to resolve the same amicably by mutual consultation. Normally, there should not be any scope of dispute between the purchaser and the supplier after entering into a mutually agreed valid contract. However, due to various unforeseen reasons, problems may arise during the progress of the contract leading to disagreement between the purchaser and the supplier. Therefore, the conditions governing the contract shall contain suitable provision for settlement of such disputes/ differences binding on both the parties. Mode of settlement of such disputes/ differences shall be through Arbitration. However, when a dispute/ difference arises, both the purchaser and the supplier shall first try to resolve the same amicably by mutual consultation. If the parties fail to resolve the dispute by such mutual consultation within twenty-one days, then, depending on the position of the case, either the purchaser or the supplier shall give notice to the other party of its intention to commence arbitration. When the contract is with domestic supplier, the applicable arbitration procedure will be as per Indian Arbitration and Conciliation Act, 1996 as amended by Arbitration and Conciliation (Amendment) Act, 2015 and 2021. While processing a case for dispute resolution/litigation/ arbitration, the procuring entity is to take legal advice, at appropriate stages.

#### 33.2 Arbitration Clause:

Having regard to legal complications, cost involved in litigation and difficulties in enforcing legal awards, if amicable settlement is not forthcoming, and recourse may be taken to settlement of disputes through arbitration as per The Arbitration and conciliation Act 1996. For this purpose, when the contract is a domestic supplier, a standard arbitration clause may be included in the SBD indicating the arbitration procedure to be followed in accordance with Indian Arbitration and Conciliation Act, 1996 as amended by Arbitration and Conciliation (Amendment) Act, 2015. The venue of arbitration shall be the place from where the contract has been issued.

##### A. Arbitration and dispute resolution

- i) During operation of the contracts, issues and disputes arising due to lack of clarity in the contract become the root cause of litigation. Litigation has adverse implications on the timelines and overall cost of the project. Before resorting to arbitration/litigation, the parties may opt for mutual discussion, mediation, and Conciliation for the resolution of disputes.
- ii) Arbitration /court awards should be critically should be critically reviewed. In cases

where there is a decision against SPMCIL, the decision to appeal should not be taken in a routine manner, but only when the case genuinely merits going for the appeal and there are high chances of winning in the court/ higher court. There is a perception that such appeals etc. are sometimes resorted to postpone the problem and defer personal accountability. Casual appealing in arbitration / court cases has resulted in payment of heavy damages / compensation / additional interest cost, thereby causing more harm to the exchequer, in addition to tarnishing the image of the Government.

- iii) SPMCIL should monitor the success rate of appealing against arbitration awards. There should be a clear delegation to empower officials to accept arbitration / court orders. A special board / committee may be set up to review the case before an appeal is filed against an order. Arbitration /court awards should not be routinely appealed without due application of mind on all facts and circumstances including realistic probability of success. The board / committee or other authority deciding on the matter shall clarify that it has considered both legal merits and the practical chances of success and after considering the cost of, and rising through, litigation / appeal / further litigation as the case may be, it is satisfied that such litigation / appeal / further litigation cost is likely to be financially beneficial compared to accepting the arbitration / court award.
- iv) Statistics have shown that in cases where the arbitration award is challenged, a large majority of cases are decided in favour of the contractor. In such cases, the amount becomes payable with the interest, at a rate which is often far higher than the government's cost of funds. This results in huge financial losses to the government. Hence, in aggregate, it is in public interest to take the risk of paying a substantial part of the award amount subject to the result of the litigation, even if in some rare cases of insolvency etc. recovery of the amount in case of success may become difficult. Instructions have been issued in this matter in the past, but have not been fully complied with.
- v) The only circumstances in which such payment need not be made is where the contractor declines, or is unable, to provide the requisite bank guarantee and/or fails to open a escrow account as required. Persons responsible for not adhering to are liable to be held personally accountable for the additional interest arising, in the event of the final court order going against the SPMCIL.

## B. Foreign Arbitration

The Arbitration and conciliation Act 1996 has provision for international commercial arbitration which will be applicable if one of the parties has its central management and control from any foreign country. The salient features of this law are: -

- (a) The parties can choose either Indian or Foreign Law governing arbitration.
- (b) Minimization of interference of courts in stalling arbitration proceedings.
- (c) Arbitrator can be changed by mutual consent without approaching court.
- (d) Vesting of enhanced powers to arbitrator.
- (e) Clearly defining obligations of the arbitrator.
- (f) Arbitrators award to be enforceable as if it were a decree of court.





Purchase contracts with Foreign Firms should be in the form of self-contained agreements, especially for large value contracts or those for costly plant and machinery which involves elaborate erection & commissioning, trying out of capacity/ quality/ consumption rate/ time cycles warranty period etc. The venue of arbitration shall be in accordance with UNCITRAL or Arbitration Rules of India, whereby it may be in India or in any neutral country. When the contract is with foreign supplier, the supplier has the option to choose either Indian Arbitration and Conciliation Act, 1996 as amended by Arbitration and Conciliation (Amendment) Act, 2015 or Arbitration in accordance with the provision of UNCITRAL (United Nations Commission on international Trade Law) Arbitration Rules.

### Arbitration Awards

- i) In cases where the Ministry/Department has challenged an arbitral award and, as a result, the amount of the arbitral award has not been paid, 75% of the arbitral award (which may include interest up to date of the award) shall be paid by the Ministry/ Department to the contractor/ concessionaire against a Bank Guarantee (BG). The BG shall only be for the said 75% of the arbitral award as above and not for the interest which may become payable to the Ministry/Department should the subsequent court order require refund of the said amount.
- ii) The payment may be made into a designated Escrow Account with the stipulation that the proceeds will be used first, for payment of lenders' dues, second, for completion of the project and then for completion of other projects of the same Ministry/ Department as mutually agreed/decided. Any balance remaining in the escrow account subsequent to settlement of lenders' dues and completion of projects of the Ministry/ Department may be allowed to be used by the contractor/ concessionaire with the prior approval of the lead banker and the Ministry/ Department. If otherwise eligible and subject to contractual provisions, retention money and other amounts withheld may also be released against BG

### 34. Applicable Law

- 34.1. The contract shall be interpreted in accordance with the laws of India.
- 34.2. Irrespective of the place of delivery, or the place of performance or the place of Payments under the contract, the contract shall be deemed to have been made at the place from which the notification of acceptance of the tender has been issued.
- 34.3. The courts of the place from where the notification of acceptance has been issued – shall alone have jurisdiction to decide any dispute arising out or in respect of the contract.

### 35. Secrecy

- 35.1. The Contractor shall take all reasonable steps necessary to ensure that all persons employed in any work in connection with the contract, have full knowledge of the Official Secrets Act and any regulations framed thereunder.
- 35.2. Any information obtained in the course of the execution of the contract by the Contractor,; his servants or agents or any person so employed, as to any matter whatsoever, which would or might be directly or indirectly, of use to any enemy of India, must be treated secret and shall not at any time be communicated to any person.
- 35.3. Any breach of the aforesaid conditions shall entitle the Purchaser to cancel the contract and to purchase or authorise the purchase of the stores at the risk and cost of the Contractor, In the event of such cancellation, the stores or parts manufactured in the execution of the contract shall be taken by the Purchaser at such price as he considers fair and reasonable and the decision of the Purchaser as to such price shall be final and binding on the Contractor.

<b>INTERIOR FIT OUT WORKS IN THE OFFICE SPACE OF SPMCIL, WTC, NAUROJI NAGAR, NEW DELHI</b>				
<b>S NO</b>	<b>DESCRIPTION</b>	<b>AMOUNT</b>		<b>TOTAL</b>
		<b>DSR</b>	<b>NON DSR</b>	
<b>1.00</b>	<b>CIVIL WORKS</b>	<b>90,81,470.98</b>	<b>1,90,41,845.30</b>	<b>2,81,23,316.28</b>
<b>2.00</b>	<b>PLUMBING</b>	<b>1,48,716.80</b>	<b>6,61,045.00</b>	<b>8,09,761.80</b>
<b>3.00</b>	<b>ELECTRICAL WORKS</b>	<b>84,38,961.00</b>	<b>29,39,452.00</b>	<b>1,13,78,413.00</b>
<b>4.00</b>	<b>VRV WORKS</b>	<b>11,54,602.00</b>	<b>5,61,994.00</b>	<b>17,16,596.00</b>
<b>5.00</b>	<b>HVAC WORKS</b>	<b>9,63,294.00</b>	<b>71,48,375.00</b>	<b>81,11,669.00</b>
<b>6.00</b>	<b>IT WORKS</b>	<b>0.00</b>	<b>34,99,910.00</b>	<b>34,99,910.00</b>
<b>7.00</b>	<b>CCTV WORKS</b>	<b>0.00</b>	<b>79,229.00</b>	<b>79,229.00</b>
<b>8.00</b>	<b>LIGHTING</b>	<b>0.00</b>	<b>31,60,748.00</b>	<b>31,60,748.00</b>
<b>9.00</b>	<b>FIRE ALARM &amp; PA SYSTEM</b>	<b>0.00</b>	<b>29,42,807.01</b>	<b>29,42,807.01</b>
<b>10.00</b>	<b>FIRE FIGHTING</b>	<b>10,93,040.00</b>	<b>82,360.00</b>	<b>11,75,400.00</b>
<b>11.00</b>	<b>ACCESS CONTROL</b>	<b>0.00</b>	<b>2,81,997.00</b>	<b>2,81,997.00</b>
<b>12.00</b>	<b>AV SYSTEM</b>	<b>0.00</b>	<b>1,05,92,477.40</b>	<b>1,05,92,477.40</b>
<b>13.00</b>	<b>FURNITURE</b>	<b>0.00</b>	<b>2,16,84,398.60</b>	<b>2,16,84,398.60</b>
<b>14.00</b>	<b>SIGNAGE</b>	<b>0.00</b>	<b>3,42,000.00</b>	<b>3,42,000.00</b>
	<b>TOTAL COST</b>	<b>2,08,80,084.78</b>	<b>7,30,18,638.31</b>	<b>9,38,98,723.09</b>
	<b>Total (DSR+MR)</b>		<b>9,38,98,723.09</b>	



SCHE DIILE S NO DSR 2022	DSR/MR	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT DSR RATE	AMOUNT NON DSR
1		<b>FLOORING WORKS</b>					
1.01	4.1	<b>CEMENT CONCRETE:</b> Providing and laying in position CEMENT CONCRETE of specified grade excluding the cost of centring and shuttering-all work upto plinth level.					
	4.1.8	1: 4: 8 (1 Cement: 4 coarse sand: 8 graded stone aggregate 40mm nominal size)	152	CUM	6812.00	1035424.00	
1.02	11.54	<b>RAISED FALSE FLOOR:</b> Providing and fixing removable raised/false access flooring with system and its components of approved make for different plenum height with possible height adjustment upto 50mm, comprising of modular loadbearing floor panels supported on G.I. rectangular stinger frame work and G.I. Pedestal etc. all complete, as per the architectural drawings, as specified and as directed by Engineer-in-charge consisting of: (a) Providing at required spacing to form modular framework, pedestals made out of GI tube of thickness minimum 2 mm and 25 mm outer diameter, fully welded on to the G.I. Base plate of size 100mm x 100mm x 3mm at the bottom of the pedestal tube, G.I. pedestal head of size 75mmx75mmx3.5 mm welded with GI fully threaded stud 16mm outer diameter with two GI Check nuts screwed on the stud for level adjustment upto 50mm, locking and stabilizing the pedestal head in position at the required level. The pedestals shall be fixed to the subfloor (base) through base plate using epoxy based adhesive of approved make or the machine screw with rawl plug. (b) Stringers system in all steel construction hot dipped galvanized of rectangular size 570x20x30x0.80mm thick having holes at both ends for securing the stringers on to the pedestal head using fully threaded screws ensuring maximum lateral stability in all directions, the grid formed by the pedestal and stringer assembly shall receive the floor panel, this system shall provide adequate solid, rigid support for access floor panel, the system shall provide a minimum clear uninterrupted clearance between the bottom of the floor for electrical conduits and wiring etc. all complete as per the architectural drawings, as specified and as directed by the Engineer-in-charge. (c) Providing and fixing Access Floor panel of 600x600x32 mm medium grade Filled Steel anti static high pressure Lamination of 800H grade (FS800H). Access Floor panel shall be steel welded construction with an enclosed bottom pan with uniform pattern of 64 hemispherical cones. The top and bottom plates of Steel Gauges: top 0.6 mm and bottom 0.7 mm fused spot welded together (minimum 64 welds in each dome and 20 welds along each flange). The panel should be Corrosesist epoxy coated for lifetime rust protection and cavity formed by the top and bottom plate is filled with Pyrogrip noncombustible Portland cementitious core mixed with lightweight foaming compound. The access floor shall be factory finished with Anti-static High Pressure laminate with Non Warp technology upto 1mm thickness for superior adhesion and Surface flatness within 0.75mm. The panel is to withstand a Concentrated Load of 363 kgs applied on area 25mm x 25mm without collapse in the centre of the panel which is placed on four steel blocks. The panel will withstand and Uniformly Distributed Load (UDL) minimum 1250 kg/sqm and an impact load of 50kg all complete as per the approved manufacturers specification and as per the direction of Engineer-in-charge. All specification must be printed on the side of the panel to ensure the quality of the product.					
	11.54.2	450mm Finished Floor Height (FFH).	30	sq m	5977.35	179320.50	
1.03	MR	<b>ALUMINIUM SKIRTING:</b> Supply of 100mm Aluminium (Grade 6063) Skirting with 15 micron anodising In Natural Finish. Thickness 1.30 to 1.50mm. Designed to conceal screws. Seamless finish. Complete with Rubber/ PVC Jointers and Gasket.	400	metre	173.00		69200.00
1.04	MR	<b>LAMINATED WOODEN FLOORING:</b> Supplying and Installation of laminated wooden flooring Size: 1218X300X8mmAc4 HDF Unilin Click, Brown balance paper, V-groove, 8pcs/box, 2.9232m2/box, Chevron pattern.	504	sq m	1623.00		817992.00
1.05	11.41A	<b>VITRIFIED TILES:</b> Providing and laying vitrified floor and wall tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.					
	11.41A.3.	Size of Tile 1200x600 mm	218	sq m	1797.30	391811.40	
1.06	MR	<b>CARPET TILES:</b> Providing and laying carpet tile flooring. Carpets shall be of Type 6 nylon loop pile carpet tiles/Plank. The carpet shall have sufficient gauge (1/10 ~ 1/12) with sufficient stitches (10~13) per inch. The carpet shall be solution dyed fibre content or with injection printing technology. The carpet shall have the pile height ranging from (2.0 ~ 3.0) mm with average density higher than 4500 Oz/ cubic yard. The total thickness of the carpet tile shall also range from (5.5 ~ 6.0) mm.	622	sq m	2878.00		1790116.00

1.07	11.4	<b>IPS FLOORING:</b> 52mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.	1126	sq m	978.45	1101734.70	
1.08	MR	<b>VITRIFIED TILES:</b> Providing and laying vitrified floor and wall tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.					
		Size of Tile 1200x1800 mm	562	sq m	3069.00	1724778.00	
		<b>TOTAL FLOORING WORKS</b>				<b>4433068.60</b>	<b>2677308</b>
<b>2</b>		<b>FALSE CEILING WORKS</b>					
2.01	12.45	<b>GYPSON BOARD CEILING:</b> Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with					
	12.45.1	12.5mm thick tapered edge gypsum plain board conforming to IS: 2095- (Part I) :2011 (Board with BIS certification marks)	449.75	sq m	1355.80	609771.05	
2.02	MR	<b>LOUVERED WOODEN FALSE CEILING &amp; WALL PANELS:</b> Providing and fixing CUSTOM Channeled woodwork ceiling panel600 DENSITY / fire Test certificate as per BS_476 part 7) acoustic wall panel of width of 192mm with finishing of 15 mm thick Grooved wooden acoustic panel of size 2400 mm, Groove Size 3mm at an RANDOM interval of 13MM,21mm,42MM, and28 mm , the wooden acoustic panels to be backed with black acoustic fleece with NRC of 0.6 the edge of panel shall be Tongue and groove to be fixed with clips on The grid should be of "BOLLARD" make with 24mm wide T - section flanges color white. The main T runner with length and size of 24X38mm made from .30mm thick sheet spaced at 1200mm Centre to Centre and cross T of size 24X38mm made of .3mm thick of 1200mm long spaced between main T at 600mm center to centre to form a grid of 1200X600mm and second cross T of length 600mm and size 15X38mm made of 0.30mm sheet to be interlocked at middle of the 1200X600 mm panel to form grid of 600X600mm and wall angle of size 19X19 The grid frame should be suspended from ceiling using M-6 fastener, L Cleat, threaded rod of galvanized steel 6mm dia along with L shape Grid holder which will be fixes to Main Runner at spaced of 1200 c/c. Formaldehyde: E1-M1	96	sq m	2741.00		263136.00

2.03	MR	<p><b>GYPSUM DESIGN PANEL</b> : Providing and fixing suspended false ceiling- Danoline - : Designpanel Size 900X2400X12.5mm perforation tangent 4mmx14mm,10/20 mm C/C with 15.8 % perforation and NRC upto 0.70: Micro perforation of glass-fibre reinforced gypsum material, which includes providing and fixing GI perimeter channels The furring should be min. 60 mm wide at the short end joints (if wood is used; the steel furring can be min. 45 mm). The remaining furring can be 45 mm wide. of size 0.55 mm. Thk. having one flange of 20 mm and another flange of 30 mm and web of 27 mm along the perimeter of the ceiling, screw fixed to brick wall/ partition with help of nylon sleeves and screws, at 610 mm centers. The suspended GI intermediate channels of size 45 mm,0.9mm thk with two flanges of 15 mm each from the soffit at 900 mm centers with ceiling angle of width 25mm x 10mm x 0.55mm thk fixed to soffit with GI cleat and steel expansion fasteners. Ceiling section of 0.55 mm thk having web of 51.5mm &amp; two flanges of 26mm each with lips of 10.5mm are fixed to the intermediate channels with help of connecting clips and in direction perpendicular to the intermediate channel with centers of 333 mm perforated gypboard is then screw fixed to ceiling section with 25 mm dry wall screws at 300 mm centers to G.I. framing in perfect level. Screw fixing is done mechanically either with screw driver or drilling machine with suitable attachment. Finally the boards are to be joined and finished so as to have a flush look with jointing compound.</p> <p>Cleaneo Technology - Air purification &amp; Air quality.Active reduction of air pollutants thanks to Cleaneo Technology effectively reduces concentrations of VOC's like alcohol, aldehydes, ketons and esters as well as unpleasant odours from e.g. food or cigarette smoke</p> <p>Air purification properties tested according to CEN standards and VDI guidelines by Fraunhof Insitute for Building Physics</p> <p>The false ceiling surfaces shall be prepared to the satisfaction of the Architect, and shall be applied with two coats of primer and Paint to the satisfaction of Architects.</p>	0	sq m	2282.00	0.00
2.04	MR	<p><b>WAVE BAFFLE CEILING:</b> To Supply &amp; Install Custom made Vertical curve Polylam Blades Ceilings as per the design intent. The vertically curve baffle system POLYLAM exhibiting space- delineating characteristics. The system comprises vertically curve baffle with 75-150mm deep curved rafters manufactured out of 1.2mm Aluminium to provide wave effect. The module for fixing baffle shall be 150mm centres as per design requirement. The carrier rails run perpendicular to the baffles axis and can be mounted with M6 threaded rods using technical approved fasteners as per EN 13964 standards. The individual baffle lengths between 1200-2400 mm can be selected. Baffles lengths less than 1500mm required two carrier rails mounted at the baffle ends. Baffle longer than 1500mm require additional carrier rails mounted in the centre. Finish RAL Powder Coated.No Pre Coated products shall be accepted. The spacing of the grid angles is according to the requirements of DIN 18168 and DIN EN 13964 and quality controlled to ISO 9001:2015 approved by SIS &amp; LEED certification by Indian Green Building council (IGBC).</p>	100	sq m	6168.00	616800.00
2.05	MR	<p><b>GYPSUM ACOUSTIC PERFORATED GRID CEILING 300X1200</b> : Providing and fixing suspended Demountable acoustic ceiling in visible, but flush grid system -Knauf Danoline : Belgravia ( with technical panel ) 300 x 1200 x12.5mm flush grid system with high grade, glass fibre reinforced, acoustic, white painted, gypsum tile with acoustic perforation as Unity Round 4mm c/c 10mm .</p> <p>Material: Perforated plasterboard</p> <p>Board type: Ceiling tile</p> <p>Length x width x thickness: 300X1200X12.5mm</p> <p>Edge: E, recessed grid system ( 8mm recess)</p> <p>Perforation: Unity 4mm round</p> <p>Perforation percent: 11.0%</p> <p>Surface: Water-based acrylic paint</p> <p>Colour: White NCS 0701 Y24R, RAL 9003; gloss 5</p> <p>Attachment: 15mm T-grid system</p> <p>Edge section: 20x24 mm angled profile, 15+15 x 8+25 mm cornice moulding</p>	75	sq m	2926.00	219450.00
2.06	MR	<p><b>GYPSUM LOUVERED CEILING:</b> 12.5x600x600 high grade, glass-fibre reinforced, acoustic, gypsum panel with acoustic perforation as Unity 3 - square 3.5x3.5mm c/c 8.33 type U3. The ROLD 12 tiles with Strip shall be screw fixed on minimum 60mm wood or steel furring. The ROLD 12 with strips tiles are with edge B+ and are pre-painted ready for installation on site. ROLD 12 screws, type Torx 15, with white-painted head are used for screw-fixing. The acoustic ROLD 12 tiles are furnished with a grey (white) absorbent felt backing with an airflow resistance of 330-460 Ns/m<sup>3</sup> (DIN 53887).Colour - White, NCS 0701 Y24R, gloss 5 (standard) or re-paintable at site with water based acrylic paint.Closest match for repainting: NCS 0700/RAL 9003. Paint Type - Waterbased acrylic emulsion paint including titanium for hygienic indoor climate. Light Reflection: 69.2% according to DIN Norm 5036.Acoustic Property - aw: 0.95; NRC: 0.90.Fire Class - A2-s1,d0 .Suspension - The ROLD 12 must be screw fixed to furring of 22 mm wood or 60mm steel battens at 300 mm c/c.</p>	0	sq m	21127.00	0.00

2.07	MR	<p><b>METAL BAFFLE CEILING</b> : Providing &amp; fixing POLYLAM® is vertical &amp; horizontal baffle system, exhibiting space-delineating characteristics.</p> <p>The system comprises baffles 50mm wide &amp; 150 Deep thickness of minimum 0.5mm GMS, installed at 150mm C/C . The C shaped carrier rails run perpendicular to the main baffles profiles. Individual baffle lengths between 300 and 2400 mm can be selected. Baffle are supplied with the end cap matching the similar finish of baffle. Tolerances according to TAIM, DIN EN 13964 and quality controlled to ISO 9001:2015 approved by SIS. Substructure for POLYLAM® Vertical baffle system consisting of C shape carrier of minimum 1.2mm thick installed perpendicularly to baffles, same was hanged to wall with the help of wall anchor fasteners. Baffles to be connected perpendicular to C shaped carriers with the help of baffle hanger brackets. The primary profiles must be connected to one another with longitudinal splice connectors. C shaped baffle carriers to be installed at maximum distance of 1200mm. in a length of 2400 mm baffles. Manufacturer shall have the fully automatic powder coating system with power and free conveyerize 3mtr/minute capacity. Powder coating plant shall be equipped with latest modern technology with fully automatic inline Pre-treatment using nano technology, Inline automatic water Drying system after pre-treatment. Mode of Measurements: Measurements shall be wall to wall without any deductions for lights, diffuses, columns etc.</p>	100	sq m	4797.00	479700.00
2.08	MR	<p><b>GYPHUM TILE FOR WET AREAS ( TOILETS &amp; PANTRY )</b> : Providing &amp; fixing of DANOTILE , high humidity resistant, made of special high grade, glass fibre reinforced gypsum, 600x600x9.5mm thick, 30 min fire rated* (third party certificate ), A2,s1-d0, mounted on T-24 exposed Grid suspended ceiling system which includes Main Tee at every 600mm c/c and Cross Tee, 600mm. Wall angle is then fixed along the perimeter of wall with screws (as per manufacturers specification). The suspension is done with all accessories like Soffit cleat, leveling clips &amp; wire rods as per design, drawings and architects instruction. The tiles are machine laminated with non-toxic PVC free foil on the face side &amp; red polyethylene foil backing on the reverse side. Characteristics : The Tiles shall be:</p> <ul style="list-style-type: none"> <li>• Manufactured from high grade non-combustible glass fibre reinforced gypsum board produced according to EN 520.</li> <li>• Tested to meet the safety requirements of EN 14190.</li> <li>• Tested in accordance with EN 13501-1 to achieve minimum fire classification A2-s1,d0.</li> <li>• Resistant to 90% RH and short term exposure for higher humidity.</li> <li>• Non hazardous and fully recyclable.</li> </ul> <p>The entire work shall be done as per design, drawings and direction of engineer in charge.</p>	0	sq m	1919.00	0.00
2.09	MR	<p><b>PERFORATED GYPHUM CORRIDOR CEILING</b> : Supply and installation of Danoline acoustic self supporting ceilings – Corridor 400 - 9.5 x 400 x 1800 mm high grade, glass fibre reinforced, acoustic, white painted, gypsum panel with acoustic perforation, as Micro - round 6x6mm c/c 15mm type NRC - .70 ,Corridor 400 panels are with integrated metal profile on the back, to be installed in free span without suspension hangers.</p> <p>The tiles are furnished with a grey/white absorbent felt backing with an airflow resistance of 330-460 Ns/m<sup>3</sup> (DIN 53887). RH - 90% LR - 82.6% Fire Class A2-s1,d0 SUSPENSION - The flex-profile is an integrated part of the Corridor ceiling plank. The suspension system from approved manufacturers consists of reinforced wall angles and 38mm main runners are used between sections and lines of Corridor planks.</p> <p>Cleaneo Technology - Air purification &amp; Air quality.Active reduction of air pollutants thanks to Cleaneo Technology effectively reduces concentrations of VOC's like alcohol, aldehydes, ketons and esters as well as unpleasant odours from e.g. food or cigarette smoke. Air purification properties tested according to CEN standards and VDI guidelines by Fraunhof Insitute for Building Physics</p>	475	sq m	2398.00	1139050.00
2.1	MR	<p><b>PERFORATED GYPHUM BOARD CEILING</b> : Providing and fixing suspended false ceiling- Danoline - : solopanel Size 1188X1998X12.5mm Globe perforation 8/18 with 8.7% perforation with NRC upto 0.6 : Regular round perforation of glass fibre reinforced gypsum material, which includes providing and fixing GI perimeter channels of size 0.55 mm. Thk. having one flange of 20 mm and another flange of 30 mm and web of 27 mm along the perimeter of the ceiling, screw fixed to brick wall/ partition with help of nylon sleeves and screws, at 610 mm centers. The suspended GI intermediate channels of size 45 mm,0.9mm thk with two flanges of 15 mm each from the soffit at 900 mm centers with ceiling angle of width 25mm x 10mm x 0.55mm thk fixed to soffit with GI cleat and steel expansion fasteners. Ceiling section of 0.55 mm thk having web of 51.5mm &amp; two flanges of 26mm each with lips of 10.5mm are fixed to the intermediate channels with help of connecting clips and in direction perpendicular to the intermediate channel with centers of 333 mm perforated gypboard is then screw fixed to ceiling section with 25 mm dry wall screws at 300 mm centers to G.I. framing in perfect level. Screw fixing is done mechanically either with screw driver or drilling machine with suitable attachment. Finally the boards are to be joined and finished so as to have a flush look with uniflot.</p> <p>Cleaneo Technology - Air purification &amp; Air quality.Active reduction of air pollutants thanks to Cleaneo Technology effectively reduces concentrations of VOC's like alcohol, aldehydes, ketons and esters as well as unpleasant odours from e.g. food or cigarette smoke</p> <p>Air purification properties tested according to CEN standards and VDI guidelines by Fraunhof Insitute for Building Physics</p> <p>The false ceiling surfaces shall be prepared to the satisfaction of the Architect, and shall be applied with two coats of primer to the satisfaction of Architects.</p>	57	sq m	2673.00	152361.00

2.11	MR	<b>WOODEN VENEER CEILING</b> : Providing and fixing wooden veneer ceiling by Fixing Natural OAK Veneer 4 mm on 12mm UnderlayFire retardent Ply fixed to a subframe made using 50mm X 50mm Kiln seasoned and chemically treated hollock wood fixed to RCC ceiling using Fastners .	160	sq m	4000.00		640000.00
2.12	MR	<b>POLISH</b> : Polishing in high gloss/matt finish melamine clear polish on wood work in required color/wooden shade texture with following process in the sequence as detailed below: 1. The surface to be polished is rubbed with sand paper 80/120 no. and then with sand paper of 160/180 nos. 2. Applying two coats of sealer with spray gun and allowing sufficient drying time for 1st coat and 2nd coat is allowed to dry for 8 to 12 hrs. 3. On drying of sealer coat, wet rubbing with emery cloth of finer grading with ample water to remove excess sealer layer and make the surface further smooth after this wet rubbing, then surface is applied with special grade melamine fillers to fill all the small and big holes/grooves etc. Filler coat to be allowed to dry for 4 to 6 hrs on which again a light wet rubbing is done this surface is further allowed to dry for 12 hrs. 4. On this, 1st coat of melamine polish is applied with spray gun using melamine clear polish and melamine thinner in required proportion.This 1st coat is allowed to dry for 24 hrs then this dry surface is again fine wet rubbed smooth, which is further allowed to dry for 12 hrs. The final melamine polish is applied with compressor pressure spray gun using melamine clear polish and melamine thinner mixed in required proportion complete coat to be done in 1 or 2 layers without gap of time.) as per direction of Engineer-in-Charge. (Final	160	sq m	2049.85		327976.00
<b>TOTAL FALSE CEILING WORKS</b>						<b>609771.05</b>	<b>3838473.00</b>
<b>3</b>	<b>WALL FINISHES WORKS</b>						
3.01	MR	<b>GLASS PARTITION (FIXED DOUBLE GLAZED GLASS PARTITION):</b> Supply & Installation of Aluminum profile with top & bottom profiles of size 82mm x 38mm in Natural Anodized / Black finish. Partition sides to be fixed with mullion and it's covers should be easily accessible while removal of glass, if & when required. Glass to be fixed with suitable EPDM gaskets for insertion of combination of 10mm thick clear toughened glass + 58 to 62 mm Air Gap + 12 mm thick clear Toughened Glass. Glass should not placed directly on profiles for giving more strength. It should be placed on aluminium spacer profiles and spacers should be covered with cover profiles. Partition Glass joineries consists of two-way Polycarbonate I-profiles, 90 Degree Polycarbonate L-Junction and Polycarbonate T-Junction profiles. Polycarbonate profile joineries to be fixed with double sided adhesive tape & profiles to be inserted in the joint instead of sealing it with sealants. Polycarbonate profiles to be used to give continuity glass effect. Hardware for fixing profiles to be used as per manufacturer standard. Profile & hardware should be from same brand to give end to end solution. Costs should be inclusive of necessary Hardware for fixing of profiles & installation charges.	89.04	sq m	10279.00		915242.16
3.02	MR	<b>FRAMED HINGED GLASS DOOR:</b> Supply & Installation of aluminium Door frame of 82X55mm and double glazed stile door frame of size 82x40 mm with necessary seals in natural anodized / black finish with specially designed Aluminium Hinges (5 Nos.) ) & Lever Handle in Oval shape SS304 with SS 35mm Backset of 22mm Square Forend with Strike plate. Door should have Lock, oval escutcheons, strike plate, EPC One Side Key other side knob-70mm and Geze Concealed Door closer with 12x20mm Sleek Track Channel with 320mm Small Arm length. Door should have glass combination of 8mm toughened glass+Airgap + 8mm toughened glass and necessary seals to be provided all around the door frames along with drop down seal. Cost should be inclusive of installation charges for Doors.	10	Nos.	68529.00		685290.00
3.03	9.1	<b>WOODEN DOOR FRAMES:</b> Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).					
	9.1.1	Second class teak wood	0.087	cu m	142949.70	12436.62	
3.04	8.27	<b>WOODEN BATTENS:</b> Providing and fixing specified wood frame work consisting of battens 50x25mm fixed with rawl plug and drilling necessary holes for rawl plug etc. including priming coat complete.					
	8.27.1	Kiln seasoned and chemically treated hollock wood	2	CUM	187277.65	374555.30	
3.05	9.21	<b>FLUSH DOOR SHUTTERS:</b> Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:					
	9.21.1	35mm thick including ISI marked Stainless Steel butt hinges with necessary screws	35.04	SQM	2392.65	83838.46	
3.06	9.23	<b>WOODEN LIPPING:</b> Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of flush door shutters (over all area of door shutter to be measured).	65.76	SQM	462.35	30404.14	
3.07	MR	Providing and Fixing -900 mm or equivalent D-type Handle Material : Stainless Steel. Finish : Satin Stainless Steel (SSS). of approved make and model all complete as per the direction of Engineer-in-charge.	15	Each	7793.00		116895.00



3.08	MR	Providing and Fixing Mortise Lock Body SB/TB for door thickness 25-50 mm for of approved make and model all complete as per the direction of Engineer-in-charge.	15	Each	1007.00		15105.00
3.09	21.4.2	Providing and Fixing Double cylinder Floor Spring- with Closing Force EN 3 with Maximum door weight 105 Kg. Maximum door width 950mm.Closing speed : 130° Final closing speed : 15-0°. Hold Open (standard): 90° hold open. Weight of floor spring approx : 6kg, 5,00,000 cycles Tested with 5 Years Warranty against manufacturing defect. CE certified for wooden doors all complete as per the direction of Engineer-in-charge.	15	Each	2996.10		44941.50
3.1	9.53	Providing 40x5mm flat iron hold fast 400mm long including fixing to frame with 10mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 300x100x150 mm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size).	15	EACH	228.85	3432.75	
3.11	MR	Providing and Fixing top and bottom strap of approved make and model all complete as per the direction of Engineer-in-charge. (SET)	15	Each	1007.00		15105.00
3.12	MR	<b>WOODEN DOOR LOCK:</b> Providing and Fixing Dead lock Back set- 50 mm with Key Hole of approved make and model all complete as per the direction of Engineer-in-charge.	15	Each	863.00		12945.00
3.13	MR	<b>GLASS FILMS:</b> Providing & Fixing Frosted Translucent, cast PVC, self-adhesive vinyl, special CRYSTAL-effect film to reproduce Sand-blasting effect on glass with customised designs, thickness of 2 mil (0.05mm) without adhesive & 3mil (0.8)with adhesive having minimum tensile strength of 3.5 pound/inch at 73 F(0.6 kg/cm at 23 C). Adhesion after 24hrs of installation should be 4 pounds/inch (0.7 kg/cm) on Acrylic, Glass Polycarbonate: MCS warranty of 3yrs (if exposed to direct sunlight) to 15yrs (indoors) .	56.52	SQM	288.00		16277.76
3.14	MR	<b>LACQUERED GLASS:</b> Providing and fixing of 6mm thick annealed SGG Planilaque Evolution (premium GRIHA rated lacquered glass from Saint-Gobain) of approved color by Architect/ Client / Customer, fixed with SGG ULTRAFIX (compatible neutral core silicon/ double sided tape) on a perfectly leveled 12mm thick water proof marine plywood / MDF / Mineral fibre board which is mounted on the RCC wall/any other structure. Lacquered glass must be made industrially (via curtain coating process); opaque (if viewed against a support wall), coated with PU lacquer (50 micron thick); color consistency (measured by Minolta spectrophotometer CM5081); highly durable (passes PERSOZ hardness test for minimum 220 oscillatios); humid resistant (conforms to BS EN 1036 1999); environmentally friendly (no lead, no arsenic, no copper, noformaldehyde); appropriate recycled content (12% post industrial/ 6% post consumer); compressive strenght (1000 MPa) & tensile strength (40 MPa), same as float glass;	195.84	SQM	3454.00		676431.36
3.16	9.105	<b>GYPSUM BOARD PARTITION:</b> Providing and fixing partition upto ceiling height consisting of G.I. frame and required board, including providing and fixing of frame work made of special section power pressed/ roll form G.I. sheet with zinc coating of 120 gms/sqm(both side inclusive), consisting of floor and ceiling channel 50mm wide having equal flanges of 32 mm and 0.50 mm thick, fixed to the floor and ceiling at the spacing of 610 mm centre to centre with dash fastener of 12.5 mm dia meter 50 mm length or suitable anchor fastener or metal screws with nylon plugs and the studs 48mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610 mm centre to centre by 6 mm dia bolts and nuts, including fixing of studs along both ends of partition fixed flush to wall with suitable anchor fastener or metal screws with nylon plugs at spacing of 450mm centre to centre, and fixing of boards to both side of frame work by 25mm long dry wall screws on studs, floor and ceiling channels at the spacing of 300mm centre to centre. The boards are to be fixed to the frame work with joints staggered to avoid through cracks, M.S. fixing channel of 99mm width (0.9mm thick having two flanges of 9.5mm each) to be provided at the horizontal joints of two boards, fixed to the studs using metal to metal flat head screws, including jointing and finishing to a flush finish with recommended jointing compound, jointing tape, angle beads at corners (25mmx25mmx0.5mm), joint finisher and two coats of primer suitable for board as per manufacturer's specification and direction of engineer in charge all complete.					
	9.105.1	75mm overall thickness partition with 12.5mm thick double skin fire rated Glass Reinforced Gypsum (GRG) plaster board conforming to IS: 2095: part 3 (Board with BIS certification marks)	642.75	SQM	2131.10	1369764.53	

3.17	MR	<b>ACRYLIC SOLID SURFACE CLADDING:</b> Supply & Installation of 12 mm thick Thermoformable Acrylic Solid Surface Sheets (DuPont Corian/ Tristone/ Lotte), over a robust substrate made out of BWP/ Flexi Ply/ MS- Aluminum sections etc. as required, to achieve stated design intent. ASS in 12mm thickness, shall be manufactured as per guidelines of ISO 19712. ASS sheets to be cut, pasted and finished over the substrate as provided, to achieve smooth and seamless finish. Item cost include intend adaptation, supply, freight and installation of ASS sheets to site, wastage, finishing, creating provisions/ cut-outs for accessories and final placement of table. Work shall be done by company's authorized Quality Network (QN) fabricator, as per satisfaction of Engineer-in-Charge. Colours : Basic, Solid and small speckled (Group I & 2)	22	SQM	9354.00		205788.00
3.18	MR	<b>BLINDS FOR AUTHORITY :</b> Providing & supplying of Window Blinds as per the approved sample double honeycomb shades having <b>honeycomb within honeycomb</b> with easy rise operating system as per following specifications fabric specifications: <ul style="list-style-type: none"> <li>• Original Non-woven honeycomb shade shaving soft fabric appearance and high energy-efficient fabric with high tear strength constructed out of Anti-static, resilient, colour fast &amp; Sanitized Treat 100% spun bonded non-woven polyester fiber &amp; precision manufacture to form a hexagonally shaped duette pleat. The Fabric is GREENGUARD certified and can attain an NRC value of 0.75. Certificates to be provided at the time of delivery of material at site. Pleat dimension ¾ "<b>Honeycomb within a Honeycomb</b>" with 3 air pockets for maximum energy efficiency.</li> <li>• Shadings are duotone, with neutral tone facing the exterior and color facing the interior The Head rail. Shall measure 50 wide and 35mm deep &amp; thick 1.25mm extruded from alu. alloy&amp; shall be powder coated to a smooth finish with a thickness of 40 microns. Fabric shall be constructed from spun-bonded polyester fiber, precision manufactured to form a hexagonally shaped, dual pleat, cellular construction. All cords &amp; cord holes shall be fully concealed inside the fabric structure. As each of the hexagonal cells is formed individually, pleats operate independent of each other providing superior pleat retention &amp; structure strength. Installation brackets. shall be of high-tension spring steel suitable for overhead &amp; wall mounting 30mm Duette Hartford mounting bracket. Head rail covered with Sydney Valance of height 80mm made up of Aluminium &amp; L shape moving Rail includes "<b>Click &amp; Engage</b>" method of dimension 50mmx55mmsticked with integrated moving rail magnets provide a streamlined look, reduce centre light gap, and promote easier operation. Polyester cord. Shall be 0.9mm in diameter &amp; of woven hollow core end cap shall be moulded acrylic color matched to the head &amp; bottom rails. Bottom rail shall be a single channel section, measuring 30mm wide and 12.5mmdeep &amp; thickness 1-1.2mm extruded from alu. Alloy &amp; shall be powder coated with a smooth finish to a thickness of 15-25 microns. Hold-Down bracket (optional) shall be molded in clear acrylic. It incorporates a pin for engagement with the bottom rail end-cap. It shall be suitable for sill, face or side facing. Cord Equalizer shall be injection melded from impact modified acrylic with a high flexural modulus</li> </ul>	40	SQM	14391.00		575640.00
3.19	MR	<b>PELMET:</b> Fabricate and install pelmet made of 19 mm thick board, up to 300 mm high and in line with external glazing as per details of Architect. Rate to include finishing exposed surfaces of the Pelmet with 1mm laminate.	81	RM	81.00		6561.00
3.2	6.47	<b>AAC WALL (150 MM):</b> Providing and laying autoclaved aerated cement blocks masonry with 150mm/ 230mm/ 300mm thick AAC blocks in super structure above plinth level up to floor V level with RCC band at sill level and lintel level with approved block laying polymer modified adhesive mortar all complete as per direction of Engineer-in-Charge. (The payment of RCC band and reinforcement shall be made for seperately).	69	Sqm	8333.65	575021.85	
3.21	6.15	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.	69	Sqm	104.80	7231.20	
3.22	13.4	12 mm cement plaster of mix :					
	13.4.1	1:4 (1 cement: 4 coarse sand)	69	Sqm	357.35	24657.15	
3.23	13.26	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	69	Sqm	262.70	18126.30	
3.24	13.48A	Finishing walls with 100% Premium acrylic emulsion paint having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade (Company Depot Tinted) with silicon additives					
	13.48A.1	New work (Two or more coats applied @ 1.43 litre/10 sqm) over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm.	1761.875	SQM	181.25	319339.84	
3.25	9.140	<b>PLY :</b> Providing and fixing plain lining with necessary screws/ nuts & bolts/ nails, including a coat of approved primer on one face, fixed on wooden/ steel frame work, complete as per direction of Engineer-in-charge. (Framework shall be paid for separately)					
		12mm thick commercial ply conforming to IS: 1328 BWR type	927.96	SQM	1224.65	1136426.21	

3.26	MR	<b>5.5mm THICK FSP HDHMR BOARD:</b> Providing and fixing in wall lining, partitions etc. Confirming to ASTM E-84-2021 class1 one side 1mm decorative Lamination, having even grade low emission, high moisture resistance, fire resistance, borer, termite & fungus resistance, green material and environmental friendly with necessary fixing arrangement and screws etc. , complete as per <u>direction of Engineer-in-Charge</u> 5.5mm thick FSP HDHMR Board	231.99	SQM	648.00		150329.52
3.27	MR	<b>ALUMINIUM FRAME:</b> Providing and fixing partition, frame work in 50x25x1.5mm Aluminium Section placed at 600mm centre to centre both ways (horizontal & vertical) fastened to floor, ceiling and horizontal member. The item includes providing and fixing 50mm thick polyester synthetic insulation as insulation of 100 GSM.	927.96	SQM	1075.00		997557.00
3.28	MR	<b>FIBRE WALL COVERING :</b> Supply & Installation of Glass fiber based homogenous Woven/ non-woven .1mm thick, 100-200 GSM Density breathable Wall Coverings. Material to be fire certified with minimum Euroclass BS1D0 certification under EN13501, no harmful chemical coated with Oekotex Standard 100 certification and non-toxic in nature for closed environments with A+ attested for emission in indoor air. Installation to be done over smooth, dry and dust-free substrate as specified with OEM recommended adhesive by the supplier's authorized installer team. Installation measurement as per the entire area (concealed/visible) installed. Finished as per satisfaction of E.I.C. <b>PAINTABLE</b>	1015.44	SQM	1234.00		1253052.96
3.29	8.11.1	<b>ITALIAN MARBLE FOR WALL CLADDING :</b> Providing and fixing machine cut, mirror/ eggshell polished, Marble stone work for wall lining (veneer work) including dado, skirting, risers of steps etc., in required design and pattern (if required with marble stone slab pieces of different shapes, sizes & texture but of even thickness) on 12 mm (average) thick cement mortar 1: 3 (1 cement: 3 coarse sand) laid and jointed with white cement slurry @ 3.3 kg/sqm including pointing with white cement slurry admixed with pigment of matching shade, including rubbing, curing, polishing etc. all complete as per Architectural drawings, and as directed by the Engineer-in-Charge.	0	SQM	10414.80	0.00	
3.3	MR	<b>3D ACOUSTIC PET WALL PANELLING :</b> Providing and fixing Smart Acoustical Wall Panels with square edges made of Polyester fiber substrate 12mm thick with acoustical properties and with an option of 12 colours as per the choice of the Architect/ Person in-charge, providing a minimum sound absorption level of 0.50-0.90 NRC, to be affixed to wall using Adhesive. The material should adhere to Formaldehyde emission standards of GB18580-2001 class E1, asbestos-free, non-toxic, non-irritant and recyclable. Material to have fire resistance as per B1 Chinese standards. The sheets to have density of 200 kg/m3 and weight of 2.0 kg/m2. The sheets to be made available as per the V groove design approved by Architect/ Person in charge(attached Pic). Cutting to be in done by supplier using blade cutting as per requirement.	148.68	SQM	1234.00		183471.12
3.31	MR	<b>WOODEN LOUVERED PANELLING :</b> Providing and Fixing of ACOUSTIC WALL PANELS. The MDF wall panels shall be composed of Medium Density Fiber board (MDF) with a minimum density exceeding 710 kgs/m <sup>3</sup> , and they shall be covered with PP foil of Renolit, Germany brand/make with a thickness of 120 microns. The adhesive used for affixing the panels must be PUR (polyurethane) hotmelt glue, and the design of the panels will be as per the specifications provided by the architect. The dimensions of the panels are 17-18mm in thickness, 130.5mm in width, and 2745mm in length.The scope of work includes providing and fixing these MDF wall panels onto a framework constructed either from MDF or plywood. The framework should have a thickness of 50 mm and a width ranging from 8mm to 12mm. The installation of the panels can be executed through either the nail-down method or the pasting method, with the use of a high bonding adhesive suitable for MDF and plywood, NRC 0.65 upto 1 NRC . The finishing of the MDF wall panels should adhere to the approved architectural drawings and the directions provided by the Engineer-in-Charge (EIC).	79.92	SQM	3838.00		306732.96
3.32	9.172	<b>LAMINATE PANELLING :</b> Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality.	50	SQM	1224.65	61232.50	
	9.127.2	1.0 mm thick					

3.33	MR	<b>BLINDS FOR OTHER</b> :Providing & fixing of Nantucket Window Shadings Blinds in 3" vane size having head rail and bottom rail made of aluminium alloy extruded profile, powder coated and provided in standard natural white color. The rolling tube should be made up of aluminium alloy from extruded profile of Ø34mm. The head rail dimension should be in the range of H 58mm x 72 mm or 62 mm x 81 mm for the larger head rail with the headrail having same fabric as that of the blind. The cassette should conceal the working mechanism rotary-clutch that raises lowers and tilts the shade contains and protects shading fabric which fully raised. The fabric of this Blind should be made up of anti-static polyester vanes which have facing between 2 sheers layers (50 mm wide) to reduce glare. Sheer layers made of white 100% knit polyester & the selection of colors, textures and opacities as per Engineer-in-charge. The FABRIC shall be constructed from spun-bonded 100% polyester fiber, having Green guard Certification treated with soil & dust repellant require minimum regular interval cleaning.. The shading to be operated by Easy rise mechanism with a continuous cord loop operating option. All plastic parts are in white color. Installation to be done by quick release brackets (wall or ceiling).	130	SQM	11585.00		1506050.00
3.34	MR	<b>SINGLE GLASS PARTITION</b> : Supply & Installation of Aluminum profile with top & bottom profiles of size 82mm x 38mm in Natural Anodized / Black finish. Partition sides to be fixed with mullion and it's covers should be easily accesible while removal of glass, if & when required. Glass to be fixed with suitable EPDM gaskets for insertion of 12thick clear toughened glass. Glass should not placed directly on profiles for giving more strength. It should be placed on aluminium spacer profiles and spacers should be covered with cover profiles. Partition Glass joineries consists of two-way Polycarbonate I-profiles, 90 Degree Polycarbonate L-Junction and Polycarbonate T-Junction profiles. Polycarbonate profile joineries to be fixed with double sided adhesive tape & profiles to be inserted in the joint instead of sealing it with sealants. Polycarbonate profiles to be used to give continuity glass effect. Hardware for fixing profiles to be used as per manufacturer standard. Profile & hardware should be from same brand to give end to end solution. Costs should be inclusive of necessary Hardware for fixing of profiles & installation charges.	223.56	SQM	7915.00		1769477.40
3.35	MR	<b>SINGLE GLASS STILE DOOR</b> : Supply & Installation of Framed Hinged Door with Profile size of 55x32mm along with necessary seals. Doors to be fixed on Hinges & Lock with lever handle for rebated door in matt black/ natural Alu finish with Top Mounted Door Closer along with Slide Channel on Top and saddle plate for fixing on the Glass door suitable for 10mm thick clear toughened glass. Necessary seals to be provided all around the doorframe. Necessary Hardwares includes Lock with Lever Handles, Seals, Hinges & door closers as per manufacturer's standard. Installation rates should be inclusive and vendor shall provide end to end solution.	33	NOS.	54686.00		1804638.00
		<b>TOTAL WALL FINISHING WORKS</b>				<b>4016466.85</b>	<b>11257530.74</b>
<b>4</b>		<b>MISCELLANEOUS WORKS</b>					
4.01	MR	<b>MODULAR KITCHEN - UNDER COUNTER STORAGE CABINETS:</b> Modular kitchen - Under counter storage cabinets: Providing & fixing factory made modular kitchen cabinets in modular type knockable cabinet boxes with openable shutters and sufficient number of drawers made of 18 mm thk.HDHMR board with lamination in frosty white laminate with 0.8 mm laminate complete with 0.8 mm edge banding.All shelves should be supported on approved quality SS pins and shall be adjustable for different heights as per requirements.Shutters and drawers fascia shall be at least 18mm thic with laminate on both sides with 18mm wide 2mm thick PVC edge banding, All Shutters/ drawers finished in high gloss acrylic of approved make-Rehau,Ornare,Senosan and having handless profiles.The cabinet boxes of floor units will be supported by 100mm height vertical adjustable legs (Hettich make) which will be covered with PVC skirting (Rehau or equivalent make ) in brushed aluminum finish attached by hardware of skirting. The unit shall be fixed to the floor/ wall/slab using metal screws of appropriate size and raw plugs. Only front face area of cabinets and skirting from floor to top of boxes shall be considered for measurement and payment. Cabinet boxes size would be varies from 400X580X710MM to 1000X580X710MM (approx.) and join together as per site requirements etc. Handle Profile,Aluminum Handle Profile for lift ups,O* Hinges,Corner Hinges,PVC legs,Skirting,Connector,Screw,Wall Mount set. Complete all as per the direction of Engineer in Charge.	8.4	SQM	14391.00		120884.40

4.02	MR	<b>MODULAR KITCHEN - OVERHEAD STORAGE WALL UNITS:</b> Modular Kitchen - Overhead storage wall units: Providing & fixing factory made modular kitchen cabinets in modular type knockable cabinet boxes with openable shutters and sufficient number of drawers made of 18 mm thk. HDHMR board with lamination in frosty white laminate with 0.8 mm laminate complete with 0.8 mm edge banding.All shelves should be supported on approved quality SS pins and shall be adjustable for different heights as per requirements.Shutters and drawers fascia shall be at least 18mm thic with laminate on both sides with 18mm wide 2mm thick PVC edge banding, All Shutters/ drawers finished in high gloss acrylic of approved make-Rehau,Omare,Senosan and having handleless profiles. The unit shall be fixed to the floor/ wall/slab using metal screws of appropriate size and raw plugs. Only front face area of cabinets and skirting from floor to top of boxes shall be considered for measurement and payment. Cabinet boxes size would be varies from 400X320X710MM to 1000X320X710MM (approx.) and join together as per site requirements etc. Handle Profile,Aluminum Handle Profile for lift ups,O* Hinges,Corner Hinges,PVC legs,Skirting,Connector,Screw,Wall Mount set. Complete all as per the direction of Engineer in Charge.	2.4	SQM	12812.00		30748.80
4.02A	MR	Providing and fixing of Innotech with metal sides and quadro channels .Make.Hettich,Samsung,Irex,Hafale	5	Each	5381.00		26905.00
4.02B	MR	Providing and fixing of Bottle pulout 200mm. Make Hettich, Samsung,Irex,Hafale	2	Each	8968.00		17936.00
4.03	22.3	<b>WATERPROOFING:</b> Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of: (i) Ist course of applying cement slurry @ 4.4 kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions including rounding off junction of vertical and horizontal surface. (ii) IInd course of 20 mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface. (iii) IIIrd course of applying blown or residual bitumen applied hot at 1.7 kg. per sqm of area. (iv) IVth course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm).	28.8	SQM	769.60	22164.48	
4.04	MR	<b>SLIDING &amp; FOLDING ACOUSTIC PARTITION :</b> Supply & installation of Zilio Lite system of the sliding folding partition type with the following details. Top rail/track: top rail/track shall be proprietary supplied extruded aluminum Profile, finished in approved color anodized finish. Above fixed Mild Steel support Structure: Mild Steel partition above sliding folding panels with 50mm thick rockwool insulation based on the Acoustics required,finish for above support: gypsum cladding shall be provided with necessary cut-outs for services, Mild Steel structure shall be created with the help of Anchor fastners,Box/square Mild Steel pipes attached to the true slab. Moveable partition Panels : Panels to be filled with necessary infills for acheiving the necessary nrc levels, finished on both sides with MDF, the panels will have retractable Top and Bottom acoustical seals for better acoustics.Panel Mounting: panels shall be mounted over proprietary supplied Zilio Aluminium & Mild Steel, frame work as per Architect/Clients requirement.Suspension :The partition panels shall be suspended on track/rails with the help of top hung mechanism.The top rail shall be fixed/suspended from the Mild Steel structure using threaded rods. Quote also to include necessary supports, cutting, finishing for the sliding folding partition panel top rail. Parking/Stacking module: the partition panels shall be centre/parallel/side stackable type as per client's requirement. Retractable Operation/Mechanism - Manual Handle operation by an Internal crank jack spindle mechanism. Telescopic panel - Manual handle operation by two different internal crank jack mechanism with lever closer cut teeth gear. ZILIO ZM - W100 Lite - Manual Suspension : 1,Track : 300.001.004,Sound Rating : 46dB,No. of Panels - 8, Total Width : 9800mm,Clear Height : 2550 mm,True Celing Height : NA,Parking Layout : Type A Center stacking,Surface : Laminate Finish	24.24	SQM	34264.00		830559.36
4.05	MR	The objective is to create artworks that symbolize the heritage, values, and mission of SPMCIL. The artwork should reflect the integrity, precision, and responsibility associated with the corporation's role in security printing and minting, while also representing India's rich cultural heritage.	35	SFT	6900.00		241500
		<b>TOTAL MISCELLANEOUS WORKS</b>				<b>22164.48</b>	<b>1268533.56</b>
		<b>GRAND TOTAL</b>				<b>9081470.98</b>	<b>19041845.30</b>



SCHEDULE OF QUANTITIES - ACCESS CONTROL WORKS							
S NO	DSR/ MR	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT	AMOUNT
DSR 2023 VOL-1						DSR RATE	NON DSR
1		Supply, Installation, Testing & Commissioning of Biometric Machine By Client	10.00	No.	-		-
2		Supply, Installation, Testing & Commissioning of Smart card Frequency Excitation (13.56 MHz) Mifare smart Card By Client	200.00	No.	-		-
3		Supply, Installation, Testing & Commissioning of Press to Exit Push Button Stainless Steel Heavt duty Stainless Steel NO, NC based etc. as per specifications of this tender etc complete as required and directions of Engineer-in- Charge.	10.00	No.	1,249.20		12,492.00
4		Supply, Installation, Testing & Commissioning, Emergency Glass Break Unit Single Pole NO, NC Contact, etc. all complete as per specs	10.00	No.	1,910.70		19,107.00
5		Supply, Installation, Testing & Commissioning of Electro Magnetic Lock Single Leaf as per door design, Fail safe type, Holding force: 272kg(600lbs), Inbuilt Door contact , Current Drain:320mA/12VDC, Built-in voltage spiker suppressor to protect the lock body and equipments, lock body and armature with chemical plating anticorrosion finished, With LED light & brackets UL Listed etc.as per specifications of this tender etc complete as required and directions of Engineer-in- Charge.	10.00	No.	11,026.80		1,10,268.00
6		Supply, Installation, Testing & Commissioning of 8 core .75 Sqmm Copper Flexible shielded RS485 OSDP communication multi-stand Data Cable etc. all complete as per tender specs. as per specifications of this tender etc complete as required and directions of Engineer-in- Charge.	300.00	Mtr	259.20		77,760.00
7		Supply, Installation, Testing & Commissioning of 4 core.75 Sqmm Copper Flexible shielded communication multi-stand Data Cable etc. as per specifications of this tender etc complete as required and directions of Engineer-in- Charge.	300.00	Mtr	163.80		49,140.00
8		Supply, Installation, Testing & Commissioning of 3 core 1.5 Shielded communication multi-stand Data Cable etc. as per specifications of this tender etc complete as required and directions of Engineer-in- Charge.	100.00	Mtr	132.30		13,230.00
		<b>TOTAL</b>					<b>2,81,997.00</b>

SCHEDULE OF QUANTITIES - CCTV WORKS							
S NO	DSR/ MR	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT	AMOUNT
DSR 2023 VOL- 1						DSR RATE	NON DSR
1	MR	ITC of 4MP Dome Network Camera ( Equipment Provided By client)	21	Nos	2,500.00		52,500.00
2	MR	ITC of 32 Channel IP network video recording capability Rack mount NVR ( Equipment Provided By client)	1	Nos	15,976.00		15,976.00
3	MR	ITC of 16 TB HDD (Equipment Provided By client)	1	Nos	5,500.00		5,500.00
4	MR	ITC of LED Display 55" (Equipment Provided By client)	1	Nos	5,253.00		5,253.00
		<b>TOTAL</b>					<b>79,229</b>

SCHEDULE OF QUANTITIES - AUDIO VISUAL WORKS							
S NO	DSR/ MR	DESCRIPTION	QTY	UNIT	RATE	AMOUNT	AMOUNT
DSR 2023 VOL-1						DSR RATE	NON DSR
1		SITC of 98" 4k, UHD Display with 500 NITS, 24*7 ,Built in SOC/ Media Playerwith Quad Core Processor, Built in Open Platform Android 11, 3X HDMI, Audio Input Audio Output, Built in Speaker(12W x 2) ;Including mounting bracket, Built-in Chromecast, Dolby Digital audio HDMI-CEC device linking supported, 3 USB(2.0), 3*HDMI(2.0 Side), Headphone Out, 1 *RJ 45, SPDIF out, Built In 2.4 GHZ Wifi,CPU Built in Mali G31 MP2 GPU-A55*4, 1.1 GHz Processer, 4 GB RAM 32GB Storage,Metal Frame 12 W built speakers, With 5 years on Site Warranty	2	No's	4,00,000.00		8,00,000.00
8		SITC of Cable Cubby with flip top, cover and 6 Pass Through Holes for multi-format cables, 2 Universal Power Socket , 1 HDMI, 1 USB-C for Data Transfer, made of aluminium etc all complete etc all complete	20	No's	21,500.00		4,30,000.00
9		SITC of Floor box with flip top, cover Power Socket , 1 HDMI, 1 USB-C for Data Transfer, made of aluminium etc all complete etc all complete	2	No's	28,950.00		57,900.00
11		SITC of Video conferencing Codec with Dual HDMI, supports 4K presentation, Support 256 AES Encryption, 4K PTZ camera with Group Framing and Lecturer tracking, 10.1"inch Touch Controller with mute and unmute LED indicator, 1x IP Microphone with 20 feet range, POE+ Injector, 10 Meter HDMI cable, 3 year supportetc all complete	3	No's	9,94,999.70		29,84,999.10
15		SITC of 2x1 matrix for AV over IP with USB-C, HDMI 2.0 and USB 2.0 ports Full 4K HDMI 2.0 transmitter (4K UHD @ 60Hz RGB 4:4:4, up to 18 Gbps), Video, USB2.0, Ethernet, GPIO and Serial. USB-C connectivity for 4K video, audio, control signals and charging via USB-C up to 100W ( 120W total ). Advanced automated room automation/control features. etc all complete	4	No's	4,31,689.50		17,26,758.00
16		SITC of Receiver for recieving HDMI 2.0 + RS-232 + bidirectional IR, over 10G copper network cable. HDCP, 3D and 4K / UHD ( 60Hz RGB 4:4:4 , 60Hz YCbCr 4:4:4) compliant with HDR support etc all complete	4	No's	2,02,207.50		8,08,830.00
17		SITC of Control Unit (CU) for AV Over IP product line Directly accessible SDVoE API, 3 RJ45-type Ethernet connectors for flexible network configuration, Occupancy sensor connector Two RS232 connectors for device control GPIO interface for device control etc all complete	1		2,04,435.00		2,04,435.00
18		SITC of The Ceiling mic should be easily mountable on any kind on ceiling with the least visible intrusion and effect to aesthetics. The ceiling mic should offer ease of connection for setup and maintenance. It is desired that the mic supports Ethernet based technologies like PoE and Dante for easy and efficient audio routing. Coverage :- 1. The Ceiling mic should support highly directional speech pickup from individual talkers in the room. 2. 1 mic should be able to cover minimum 500 Sq. Feet 3. Upto 3 talkers around the room should be covered simultaneously. 4. Talker coverage should be customisable and switchable as per the seating layout. 5. The microphone should be programmable to enable maximum noise rejection from areas in the room with unwanted noise. (e.g pantry, traffic etc.) The Ceiling mic should be able to efficiently support voice lift & Sound reinforcement to aid the farthest listener within the room. The Ceiling Mic should support easy and robust integration with industry leading Video Conferencing systems, Sound processors and Room Control applications. The Product should be certified to work with Industry standard Video conferencing solutions. It should seamlessly support speech based talker tracking with third party camera control solutions. The solution should include Ceiling Mount bracket and mute controls on the table/wall in the room. etc all complete	2	No's	4,99,582.00		9,99,164.00
20		SITC of Fully Integrated Audio, Video and Control Solution, 128 Networked Audio Channel, 24 Channels of analog I/O, including 8 configurable Flex channels, 16 AEC Processor, Up to 32 x 32 Dante audio channels (8 x 8 included), USB AV bridging (16 x 16 audio + Camera Support), Full-featured Control engine (with Feature License), Up to 4x VoIP Instances, External USB audio device host etc all complete	1	No's	5,80,500.00		5,80,500.00
21		SITC of 6.5-inch, 2-Way Ceiling Speaker, Rated Power: 60W, Frequency Range: 65 Hz – 20 kHz, Sensitivity: 88 dB, Rated Coverage 135° conical DMT, Maximum continuous SPL 106 dB, Nominal impedance: 8 / 16 Ohm, Transformer taps: 60W / 30W / 15W at 100 / 70V, IP-34 Rated, Low-saturation and low-loss 70/100V transformers with 16Ω bypass, UL and CE Certified etc all complete	12	No's	31,599.70		3,79,196.40
22		SITC of 4 Channel Class-D Amplifier, Power (per channels driven): 200 W at 8 Ω / 4 Ω / 100V / 70V, FlexAmp Technology, Frequency Response: 20 Hz – 20 kHz, Signal to Noise > 103 dB, Input impedance >10k, balanced or unbalanced, User-configurable operating modes, UL, CE, RoHS/WEEE compliant etc all complete	3	No's	2,25,799.70		6,77,399.10
27		SITC of 16-Port Gigabit PoE+ Ethernet Smart Switch with 2 SFP Ports and Cloud Management etc all complete	2	No's	23,799.40		47,598.80

29	SITC of 2 Meter Premium High Speed HDMI 2.0b Flexy Cable, Bandwidth up to 18Gbps, Up to 4096x2160@60Hz at RGB 4:4:4 video resolution, High Dynamic Range (HDR10), Dolby Vision and Hybrid log-gamma (HLG) video etc all complete	34	No's	2,875.50		97,767.00
30	SITC of 15 Meter Active Copper HDMI Cable, Data Rate: Up to 18.2Gbps, Colour Depth: Up to 16 bits, Colour Formats: RGB 4:4:4 / Y'CBCR 4:2:2 / Y'CBCR 4:2:0, Consumer Electronic Control (CEC), Auto Lip-Sync Correction, Audio Return Channel (ARC), Enhanced Audio Return Channel (eARC), High Dynamic Range (HDR) etc all complete	20	No's	16,500.00		3,30,000.00
31	SITC of 2 Meter USB Full-Featured Type-C cable for USB 3.1 Gen2, 4 Lane Displayport Alt mode (4K60FPS Video and Audio), Supporting peripherals via USB 2.0 up to 480 Mbps (Mouse, Keyboard, Thumb Drive, Speakerphone and Webcam) etc all complete	10	No's	3,015.00		30,150.00
32	SITC of 15 Meter USB 3.1 Gen1 SuperSpeed Active Extension Cable TypeA/male to TypeA/female, Supports 4K Webcam, SSD storage, Native USB2/USB1 and USB3 extension, Plug and play compatible with PC, Mac, and Linux etc all complete	2	No's	40,265.00		80,530.00
33	SITC of 2 Conductor 16 AWG Speaker Cable, stranded Bare copper conductors, PVC/Nylon insulation, PVC jacket (as per actual) etc all complete	275	Meter	150.00		41,250.00
34	SITC of Category 6A Cable, 4 Pair, S/FTP, PVC jacket (as per actual) etc all complete	200	Meter	50.00		10,000.00
35	SITC of Various Cables & Connectors etc all complete	28	No's	8,500.00		2,38,000.00
36	SITC of 24U, Equipment Rack, with Front & Side doors, 4 No Fan Assembly, on Top of the Rack, 4 Caster wheels, 2 no Shelves to mount the equipments which are not rack mounted, 8X2, 5/6 Amp. Power Distribution Unit, Cable Manager & Sufficient Rack hardwares etc all complete	2	No's	34,000.00		68,000.00
	<b>TOTAL</b>					<b>1,05,92,477.40</b>

SCHEDULE OF QUANTITIES : IT ACTIVE, PASSIVE, Wi fi & EPBAX WORKS							
S NO	DSR/M R	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT	AMOUNT
DSR 2023 VOL-1						DSR RATE	NON DSR
1		Supply Installation Testing & Commissioning of Cat6A AUTP 24 AWG Patch Cord Patch cord (2 mtr.): 6A UTP Patch Cords are Factory Tested for Better Quality and Suitable for the High Speed Data Transmission. Complies to the Standard ANSI/TIA/EIA-568-C.2 Standard. Supports Data Networks Speeds Up to 10/100- Base-T and 1000-Base-T. Available In LSZH Jacket-Reduced Toxic Gasses Emitted During Combustion , RJ45, 8P8C, 3 Prong Design for accurate termination, 50µ" Gold Plated Contacts , Insulation Thickness 0.16mm, 100% Factory Tested , Transparent Boot Cable Assemblies.ETL Verified 4 connector channel performance with MTPL up to 635 MHz, and registered under a ETL Followup Program. Complaint to RoHS Directive 2011/65/EU and (EU) 2015/863. OEM should have ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 and and should have a certified PMP, CDCP and ITIL on the OEM's payroll sitting in India whose services can be utilized for this project for Data as per given Specification etc. all complete	Sets	461	590.00		2,71,990.00
2		Supply Installation Testing & Commissioning of Cat6A UTP 24 AWG Patch Cord Patch cord (1 mtr.): 6 UTP Patch Cords are Factory Tested for Better Quality and Suitable for the High Speed Data Transmission. Complies to the Standard ANSI/TIA/EIA-568-C.2 Standard. Supports Data Networks Speeds Up to 10/100- Base-T and 1000-Base-T. Available In LSZH Jacket-Reduced Toxic Gasses Emitted During Combustion , RJ45, 8P8C, 3 Prong Design for accurate termination, 50µ" Gold Plated Contacts , Insulation Thickness 0.16mm, 100% Factory Tested , Transparent Boot Cable Assemblies.ETL Verified 4 connector channel performance with MTPL up to 635 MHz, and registered under a ETL Followup Program. Complaint to RoHS Directive 2011/65/EU and (EU) 2015/863. OEM should have ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 and and should have a certified PMP, CDCP and ITIL on the OEM's payroll sitting in India whose services can be utilized for this project for Data Jack Panel end as per given Specification etc. all complete	Sets	461	510.00		2,35,110.00
3		Supply, Installation, Testing and Commissioning of loaded Patch Panel 24 Port Cat 6A U/UTP ,The Cat-6A transmission performance is in compliance and Exceeds ANSI/TIA/EIA-568.2-D Standard. Supports 1000-Base-T. 90 Degree (Top Entry) or 180 Degree Punch Down Design for Convenient Network Terminations, Individual replaceable jack module panel design as applicable.UL Listed. Complaint to RoHS Directive 2011/65/EU and (EU) 2015/863 and ASTM B 117 Certified. OEM should have ISO 9001:2015, ISO 14001:2015and ISO 45001:2018 or latest.All networking passive material (Fiber Cable, Copper Cables, Networking Racks and their connectivity components) should be from one OEM make only for Data as per given Specification etc. all complete	No's	24	18,500.00		4,44,000.00
4		Supply Installation Testing & Commissioning of Cat6A UTP 24 AWG Patch Cord Patch cord (1 mtr.): 6 UTP Patch Cords are Factory Tested for Better Quality and Suitable for the High Speed Data Transmission. Complies to the Standard ANSI/TIA/EIA-568-C.2 Standard. Supports Data Networks Speeds Up to 10/100- Base-T and 1000-Base-T. Available In LSZH Jacket-Reduced Toxic Gasses Emitted During Combustion , RJ45, 8P8C, 3 Prong Design for accurate termination, 50µ" Gold Plated Contacts , Insulation Thickness 0.16mm, 100% Factory Tested , Transparent Boot Cable Assemblies.ETL Verified 4 connector channel performance with MTPL up to 635 MHz, and registered under a ETL Followup Program. Complaint to RoHS Directive 2011/65/EU and (EU) 2015/863. OEM should have ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 and and should have a certified PMP®, CDCP and ITIL on the OEM's payroll sitting in India whose services can be utilized for this project for Voice Jack Panel end as per given Specification etc. all complete	Sets	211	510.00		1,07,610.00
5		Supply, Installation, Testing and Commissioning of loaded Patch Panel 24 Port Cat 6A U/UTP ,The Cat-6 transmission performance Should compliance and Exceeds ANSI/TIA/EIA-568.2-D Standard. Supports 1000-Base-T. 90 Degree (Top Entry) or 180 Degree Punch Down Design for Convenient Network Terminations, Individual replaceable jack module panel design as applicable.UL Listed. Complaint to RoHS Directive 2011/65/EU and (EU) 2015/863 and ASTM B 117 Certified. OEM should have ISO 9001:2015, ISO 14001:2015and ISO 45001:2018 or latest.All networking passive material (Fiber Cable, Copper Cables, Networking Racks and their connectivity components) should be from one OEM make only for Voice Field as per given Specification etc. all complete	No's	10	19,440.00		1,94,400.00
6		Supply Installation Testing & Commissioning of 1 U PVC Cable Manager as per given Specification etc.	No's	35	1,750.00		61,250.00
7		Supply Installation Testing & Commissioning of Mounting Hardware pack of 10pcs as per given Specification etc. all complete	No's	20	285.00		5,700.00



9	Supply, Installation, Testing and Commissioning of Information Outlet Set(I/O) : Dual Face Plate Square (86 x 86mm) x 12 mm Shutter on Face Plate Two Piece design : Mounting Frame and Cover Plate Should support UTP and STP Jacks Cat5e, Cat6 and Cat6A Plug Reliability : 750 Cycles minimum Cover Material : ABS UL94-V0 Base Material : ABS- UL94-V0 Dust Cover Material : ABS-UL94-V0 ,Should have Robust and installer friendly design Surface Mount Boxes for Face Plates for a variety of media including voice and data, Audio, video and CATV distribution to the work area. Material : ABS, Shape : Square Size : 86 x 86 , White colour. Complaint to RoHS Directive 2011/65/EU and (EU) 2015/863. OEM should have ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 and should be present in India for at-least 10 years or more	No's	461	250.00		1,15,250.00
10	Supply,Installation,Testing & Commissioning of 4 pair Cat6A U/UTP Cable in the existing surface/ recessed steel/ PVC conduit as required: The 4 pair Unshielded Twisted Pair cable shall be UL Listed,exceeds the requirements of ANSI/TIA-568- C.2 and ISO/IEC 11801 Class E, 4 twisted pairs separated by internal HDPE Cross Separator. Full separator. Half shall not be accepted. Rip Cord is must,Insertion Loss of 32.8 db/100m at 250 MHz ,Cable should support operating temperature from -20°C to +60°C Cable support Conductor Resistance $\leq 9.38\Omega/100m$ Max., Cable support Delay Skew:< 45 ns/100m, Operating Voltage: 72V , Impedance: $100 \pm 15 @100$ MHz. and Propagation Delay @250 MHz : 536 ns/100m, ETL Verified 4 connector channel performance with MTPL up to 635 MHz, Complaint to RoHS Directive 2011/65/EU and (EU) 2015/863, OEM should have ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018 or latest.All networking passive material (Fiber Cable, Copper Cables, Networking Racks and their connectivity components) should be from one OEM make only as per specification etc. all complete	No's	75	22,600.00		16,95,000.00
11	Supply, Installation, Testing and Commissioning of Information Outlet Category 6A Keystone is Punch Down Type 50 Micron Gold Plating Suitable For 23~24 AWG Stranded and Solid Wire. Skilled Design on Jack and PCB. Ergonomic Design and Easy Termination, Compliant to T568A and T568B Wiring Schemes, Backward compatible with both RJ11/RJ12 Plug,Housing : High impact flame retardant plastic, UL 94V-O rated. ETL Verified 4 connector channel performance with MTPL up to 635 MHz, Complaint to RoHS Directive 2011/65/EU and (EU) 2015/863. OEM should have ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 and should be present in India for at-least 10 years or more. Blue Colour for Data as per specification etc. all complete	No's	461	550.00		2,53,550.00
12	Supply, Installation, Testing and Commissioning of Information Outlet Category 6A Keystone is Punch Down Type 50 Micron Gold Plating Suitable For 23~24 AWG Stranded and Solid Wire. Skilled Design on Jack and PCB. Ergonomic Design and Easy Termination, Compliant to T568A and T568B Wiring Schemes, Backward compatible with both RJ11/RJ12 Plug,Housing : High impact flame retardant plastic, UL 94V-O rated. ETL Verified 4 connector channel performance with MTPL up to 635 MHz, Complaint to RoHS Directive 2011/65/EU and (EU) 2015/863. OEM should have ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 and should be present in India for at-least 10 years or more. Yellow Colour for Voice as per specification etc. all complete	No's	211	550.00		1,16,050.00
						<b>34,99,910.00</b>

SCHEDULE OF QUANTITIES - FURNITURE WORKS							
S NO	DSR/MR	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT	AMOUNT
DSR 2023 VOL-1						DSR	NON DSR
1	<b>EXECUTIVE TABLE MAIN WITH RETURN TABLE of size 2300W X 1000D X 750H.</b>	<p>MAIN TABLE WITH SIDE UNIT &amp; BACK UNIT</p> <p>Overall Size : W 2300 x D 1000 x H 750mm &amp; Side Unit Extention: W 1400 x D 550 x H 750mm. Table Top: 25mm thick pre laminated particle board with 2mm PVC edge lipping supported on V Shape aluminium die cast connectors of min size 430 mm L x 110 mm H x 25 mm Thick. 4 Connectors on Main table &amp; 2 on side unit shall be provided. All sides of the worktop except corners of main &amp; side table shall be provided with 2mm thick aluminum extrusion of 40mm + 25 mm + 30 MM + 8 mm formed into horizontal &amp; vertical direction to enable support as well as top surface coverage. edge surface extrusion supporting the worktop to be tapered towards top. Support: End Legs: 25mm thick pre laminated particle board with 2mm PVC edge lipping &amp; 3 equal drawer pedetal. Modesty Panel: 18mm thk pre lam board with 2mm PVC edge lipping of 450mm Ht. Wire Management: Slide Connect with PVC cable dump. Slide connect Configuration - Standard switch configuration no deviation 2 Power,2 USB Charger,1 Network,1 HDMI. Sufficient storage space to be provided in the storage pedestal of the table having drawers at the main table &amp; hinged door storage below the side unit. The main and the return table top will have 10 mm thick Euro bronze glass with white vinyl film hot laminated and Kuraray pvb interlayer. Back Unit Overall Size W 1500 x D 600 x H 750mm, Table Top: 25mm thick pre laminated particle board with 2mm PVC edge lipping sides covered with 2mm thick anodised aluminum extrusion of same size as above supported on V Shape aluminium die cast connectors of same size as above. Back: 25mm thick pre laminated particle board with 2mm PVC edge lipping with aluminium die cast arms Shuttters: 25mm thick pre laminated particle board with 2mm PVC edge lipping with brush steel handles and softclose drawer slides and hinges. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.</p>	1	NOS.	160398		1,60,398
2	<b>High Back Chair (Leatherite Finish)</b>	<p>The High Back Chair shall be total height of 1150 to 1250 mm, over all width should be 520 mm and Overall depth should be 470 mm. Back shall be tapered design having width 360 mm at top and 500mm at bottom, Seat Width 520 mm, Seat Depth 470 mm and Seat height 455mm to 555 mm. Seat &amp; back PU cushion shall be upholstered with pure leather on user touch points. The chair shall have seat depth adjustment operated by user friendly lever &amp; seat dept range shall be between 470 to 520 mm. The Chair should be provided with Synchro tilt Mechanism with Multi lock features. The mechanism shall allow 360 degree revolving feature along with height adjustability. Single die casted right trapezium shaped arm rest having overall size of 250 L x 190 H &amp; having top upholstered leather with foam. The width of the armrest shall be 60 mm and overall length on top surface shall be 260mm. The chair back shall have S-curved. Multi lock and seat adjustable nob shall be provided on the left side below the seat. Tension adjustment knob shall be provided under seat. The Gas Lift used shall be class 4 tested as per ANSI BIFMA standards. Chair shall be provided with aluminium die cast pedetstal having twin castors 50 mm dia with PA6 material complying to ANSI/ BIFMA X 5.1 2017 standards. Tolerance of +/- 5mm to be considered for dimensions Length, Depth &amp; height and tolerance of 5% to be considered in thickness.</p>	1	NOS.	47200		47,200
3	<b>Mid Back Chair (Leatherite Finish)</b>	<p>The overall size of Mid Back Chair shall be total height 1050 to 1150 mm, over all width should be 520 mm and Overall depth should be 470 mm. Back shall be tapered design having width 360 mm at top and 500mm at bottom, Seat Width 520 mm, Seat Depth 470 mm and Seat height 455mm to 555 mm. Seat &amp; back PU cushion shall be upholstered with pur leather. The chair shall have seat depth adjustment operated by user friendly lever &amp; seat dept range shall be between 470 to 520 mm. The Chair should be provided with Synchro tilt Mechanism with Multi lock features. The mechanism shall allow 360 degree revolving feature along with height adjustability. Single die casted right trapezium shaped arm rest having overall size of 250 L x 190 H &amp; having top upholstered leather with foam. The width of the armrest shall be 60 mm and overall length on top surface shall be 260mm. The chair back shall have S-curved. Multi lock and seat adjustable nob shall be provided on the left side below the seat. Tension adjustment knob shall be provided under seat. The Gas Lift used shall be class 4 tested as per ANSI BIFMA standards. Chair shall be provided with aluminium die cast pedetstal having twin castors 50 mm dia with PA6 material complying to ANSI/ BIFMA X 5.1 2017 standards. Tolerance of +/- 5mm to be considered for dimensions Length, Depth &amp; height and tolerance of 5% to be considered in thickness.</p>	3	NOS.	44840		1,34,520
4	<b>CENTRE TABLE WOOD LEGS SIZE: Overall size shall be 1050WX525DX450H.</b>	<p>The overall size of the table shall be 1050 L x 525 D x 450 H mm. The top surface of the table shall be in boat shape design having maximum size at the middle &amp; lesser at the ends to form this unique shape. The table top shall be made up of 18mm thick Prelaminated particle board of E1 norms. The edges shall be sealed properly with 2mm thick PVC edge banding on automatic machine. The understructure of the table shall be made from solid wood i.e properly treated &amp; seasoned kiln dried beach wood, finished with clear synthetic PU coating for the best resilience and high durability. The legs and the frame shall be joined together by method of tenon and mortise for durability and better aesthetics. Four legs shall be provided and the cross section of leg at the bottom shall be 35x35 and top shall be 55x35 provided in tapered finish for better looks. The outer side of the legs shall be rounded &amp; inner side shall be corner edges. The wooden frame shall be of size 55mm x 22mm thick with visible face of 55 mm front and 22mm shall be below the table top running at all four ends as well as one support in the middle. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.</p>	5	NOS.	15924		79,621

5	<b>CENTRE TABLE WOOD LEGS SIZE: Overall size shall be 600WX600DX 550H.</b>	The overall size of the table shall be 600 L x 600 D x 450 H mm. The top surface of the table shall be in boat shape design having maximum size at the middle & lesser at the ends to form this unique shape. The table top shall be made up of 18mm thick Prelaminated particle board of E1 norms. The edges shall be sealed properly with 2mm thick PVC edge banding on automatic machine. The understructure of the table shall be made from solid wood i.e properly treated & seasoned kiln dried beach wood, finished with clear synthetic PU coating for the best resilience and high durability. The legs and the frame shall be joined together by method of tenon and mortise for durability and better aesthetics. Four legs shall be provided and the cross section of leg at the bottom shall be 35x35 and top shall be 55x35 provided in tapered finish for better looks. The outer side of the legs shall be rounded & inner side shall be corner edges. The wooden frame shall be of size 55mm x 22mm thick with visible face of 55 mm front and 22mm shall be below the table top running at all four ends as well as one support in the middle. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	15 NOS.	12372		1,85,585
6	<b>SOFA - 3 seater SIZE:L 2020 x D 975 x H 820</b>	3 Seater Sofa : Overall size shall be 2020 mm W x 975 mm D x 820 mm H. Sofa inner frame structure shall be made from the combination of treated solid wood and plywood having high quality webbing belts to ensure good strength, rigidity & stable construction to offer high durability. There shall be extra padding between the armrest & the seat on both sides for better comfort & polyfilled in arms & backrest. The polyurethane (PU) foam shall be used in Seat & back rest having 40 density and 32 density respectively. Seat to backrest angle should be ergonomically designed to offer the best seating comfort. Seat height shall be normally between 16 to 18 inches and depth shall be between 20-22 inches. Sofa shall be elevated from ground by about 3 inches using Gold finished metal legs creating provision for easy cleaning & better look. Upholstery shall be of high quality Leatherite offer the best feel & comfort. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	2 NOS.	67968		1,35,936
7	<b>COUCH SINGLE SEATER 4 LEGS</b>	The overall size of Chair shall be : Width 710mm , Depth 600mm & Height 1060mm. Seat Size shall be : width 540mm, Actual depth 560mm, Effective depth 550mm and seat height 460mm. Width of the back shall be 525mm. Back height shall be 590mm as measured from seat level. The chair shall be supplied with high quality fabric cushion at the back. Seat shall be upholstered with micro fabric 100% polyester 180 GSM having abrasion > 50000 cycles fire rated fabric confirming to BS EN 1021. chair understructure comes in wooden or metal both. seat cushion size 115mm.chair width with armrest 710mm and armrest height should be 315mm. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	3 NOS.	46182		1,38,547
8	<b>ROUND COUCH CHAIR PU FOAM</b>	The overall size fo the round pufee chair shall be 800 mm width x 680 mm depth and 780 mm height. The height of the seat level from the ground shall be approximate 465mm. The chair seat, back & armrest level shall be made up of integrated round design having highest size at back & minimum size at seat level. The seat, back & armrest shall be made up of PU molded foam with desired support structure and upholstered with fine fabric. The understructure of the chair shall be made up of CRCA tubes 4 legs having higher dia below the seat & lesser dia towards ground making it reducing dia design aesthetically appealing. The legs shall be joined with each other with the CRCA Pipe for better durability on which the seat & back shell is fixed. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	4 NOS.	22901		91,603
9	<b>ROUND TABLE FOR ANTE ROOM</b>	The overall size of the Ante Room Table shall be 914 mm diameter and 750 mm height. The top shall be made up of 25mm thick Prelaminated Particle board E1 grade. The understructure shall consists of metal frame to support the workstop and hold 3 legs. The legs shall be made up of CRCA Pipes of Dia 30mm or higher having reduced dia in a cone shape at bottom towards floor for better aesthetics. The legs shall be powder coated in the wooden finish. the legs shall be provided with metallic levellers. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	1 NOS.	27435		27,435
10	<b>EXECUTIVE TABLE 2100 LENGTH</b>	The overall size of the table shall be 2000 mm W x 800 mm D x 780 mm H. The table top shall be made up of prelaminated Particle board having total thickness of 50mm having melamine finish on the top.The modesty and side panels shall be made up of particle board 16mm thick. The overall size of the side table shall be 1010 mm W x 500 mm D x 650 mm H. The thickness of the table top shall be 50mm. The side table design should be such that it has flexibility to be fixed either in right hand side or left hand side of the user during the time of assembly. Side table shall have storage facility to keep documents designed in the form of hinged door cabinet. side table shall have flapper to pass on wires. The main table top & side table top shall be provided with aluminium extrusion strip below for aesthetics. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	5 NOS.	115182		5,75,911

11	<b>HIGH BACK CHAIR (Leatherite Finish)</b>	High Back Chair : The overall size of Chair shall be Total height 1160 to 1260 +/-5 mm, over all width should be 640 +/-5mm and Overall depth should be 640 +/-5mm. Back Width 470 mm at Top and 500mm at bottom, Seat Width 490 +/-5 mm, Seat Depth 500+/-5 mm and Seat height 455mm to 555 mm +/-5mm range. Seat should be made up of foam pre moulded at 55 kg/m3 density. hardness of 25+ 3kgf at 50% deflection conforming to IS 3400. Seat shall be upholstered with Leatherette 75% PVC & 25% polyester 640 GSM, Abrasion- 100000 cycles. The chair shall be supplied with cushion back upholstred with leatherette.The Chair should be provided with Synchro tilt Mechanism with three Multi lock features. The mechanism shall allow 360 degree revolving feature along with height adjustability. Two Way Adjustable Arms (Height) to be provided with height adjustment button made of Delrin P 500. The mechansim shall possess seat to back recline ratio of 3:7. The Gas Lift used shall be class 4 tested as per ANSI BIFMA standards. Chrome Base shall be provided. Twin castors 50 mm dia with PA6 material complying to ANSI/ BIFMA X 5.1 2017 standards. The base shall be 660 mm PCD (26 inches) five pronged bases made up of PA6, 30% glass filled reinforced with bottom ribbing for additional buttress and strength. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	5 NOS.	24043	1,20,213
12	<b>MID BACK CHAIR , (Leatherite Finish)</b>	Mid Back Chair : The overall size of Chair shall be Total height 1010 to 1110 +/-5 mm, , over all width should be 640 +/-5mm and Overall depth should be 640 +/-5mm. Back Width 470 mm at Top and 500mm at bottom, Seat Width 490 +/-5 mm, Seat Depth 500+/-5 mm and Seat height 455mm to 555 mm +/-5mm range. Seat should be made up of foam pre moulded at 55 kg/m3 density. hardness of 25+ 3kgf at 50% deflection conforming to IS 3400. Seat shall be upholstered with Leatherette 75% PVC & 25% polyester 640 GSM, Abrasion- 100000 cycles. The chair shall be supplied with cushion back upholstred with leatherette.The Chair should be provided with Synchro tilt Mechanism with three Multi lock features. The mechanism shall allow 360 degree revolving feature along with height adjustability. Two Way Adjustable Arms (Height) to be provided with height adjustment button made of Delrin P 500. The mechansim shall possess seat to back recline ratio of 3:7. The Gas Lift used shall be class 4 tested as per ANSI BIFMA standards. Chrome Base shall be provided. Twin castors 50 mm dia with PA6 material complying to ANSI/ BIFMA X 5.1 2017 standards. The base shall be 660 mm PCD (26 inches) five pronged bases made up of PA6, 30% glass filled reinforced with bottom ribbing for additional buttress and strength. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	15 NOS.	22597	3,38,955
13	<b>3 SEATER SOFA , FABRIC FINISH</b>	3 Seater Sofa : Overall size shall be 2020 mm W x 975 mm D x 820 mm H. Sofa inner frame structure shall be made from the combination of treated solid wood and plywood having high quality webbing belts to ensure good strength, rigidity & stable construction to offer high durability. There shall be extra padding between the armrest & the seat on both sides for better comfort & polyfilled in arms & backrest. The polyurethane (PU) foam shall be used in Seat & back rest having 40 density and 32 density respectively. Seat to backrest angle should be ergonomically designed to offer the best seating comfort. Seat height shall be normally between 16 to 18 inches and depth shall be between 20-22 inches. Sofa shall be elevated from ground by about 3 inches using Gold finished metal legs creating provision for easy cleaning & better look. Upholstery shall be of high quality Leatherite offer the best feel & comfort. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	5 NOS.	73728	3,68,640
14	<b>SINGLE SEATER SOFA COUCH METAL LEGS</b>	The overall width of the Ante room lounge chair shall be 890 mm width x 860 mm depth x and 910 mm height as measured from floor. The Seat height shall be 460 mm as measured from floor level. The Seat & back includig armrest level shall be made up of integrated moulded foam upholstered with fine quality fabric. A separate cushion made up of PU foam upholstered in different color shall be supplied at seat level. back shall be tapered from seat to provide comfort while seating. The understructure shall be made up of CRCA steel tubes of 19-25mm dia 1.2-1.6 mm thickness made in angular designs for legs and back support. The entire metal understructure shall be duly powder coated. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	10 NOS.	38223	3,82,232
15	<b>Centre table Size Overall Size : 1050W X 600D X 450HT.</b>	Centre table Size The overall size of the Centre table shall be 1200 mm Length x 600 mm depth, 450 mm height. the table top shall be made up of 18mm thick prelaminated particle board of approved shade All the edges of discussion surface shall be provided with machine pressed 2mm thick PVC lipping glued with hotmelt Eva glue free from any VOC. Under Structure Support: Table top shall be supported on CRCA legs duly powder coated. The Chair understructure should be provided with 32mm by 1.6mm thickenss swaged tube from 32mm top and 19mm bottom. The edges of the table top shall be rounded & edges shall not be sharp. The legs shall be in angular design & thicker on the top & thinner on the bottom side. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	8 NOS.	10720	85,762
16	<b>Side table Overall Size : Dia 600 x 450HT.</b>	Centre table Size The overall size of the Centre table shall be dia 600 mm and 450 mm height. the table top shall be made up of 18mm thick prelaminated particle board of approved shade All the edges of discussion surface shall be provided with machine pressed 2mm thick PVC lipping glued with hotmelt Eva glue free from any VOC. Under Structure Support: Table top shall be supported on CRCA legs duly powder coated. The Chair understructure should be provided with 32mm by 1.6mm thickenss swaged tube from 32mm top and 19mm bottom. The edges of the table top shall be rounded & edges shall not be sharp. The legs shall be in angular design & thicker on the top & thinner on the bottom side. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	21 NOS.	9239	1,94,027

17	<b>TABLE &amp; SIDE TABLE : 2100W X 750D X 750H with SIDE UNIT</b>	The size of the main table shall be 1800 length x 900 Depth x 750 mm height. The side unit shall be of size 1200 length x 750 depth x 750 mm height. The table top of main & side unit shall be made up of 25mm thick prelaminated particle board of E1 norms. Two Long sides of the work surface shall be provided with reverse tapered edge design created by chamfering the board at 45 degree inside for 17mm length & keeping 8mm straight & then edges sealed with 2mm thick PVC Lipping on automatic machine. Modesty panel shall be made up of 18mm thick prelaminated particle board of E1 norms. The modesty panel shall be connected through 3 nos L-shape pressure aluminium die casted connector of size 80L x 25D x 3mm thick. The worktop shall be connected with the understructure with the help of cross beam of size 40x20mm The side unit shall be made up of 18mm thick pre laminated particle board E1 norms and there shall be drawers in the middle and shutter storage on either ends. Handless Finger groove shall be created on top edge of shutter top / drawer top by providing a reverse tapered profile edge of 6mm straight surface & 12 mm tapered towards inside at 45 degree & then sealed with minimum 2mm thick PVC lipping on automatic machine. Suitable lock shall be provided. The understructure of the Main table shall be provided with heavy duty 4 vertical legs made up of Oval shaped Solid wood with Tapper at the bottom size 68 to 32. Horizontal cross beams under table top that shall be connected to all 4 vertical legs through pressure die cast aluminium connector. The connector having Y-shape which having 2 rectangular face for cross beam and one having oval shape for solid wood. The connector shall connect one vertical leg and two nos Rectangular horizontal frames on either ends to form sturdy structure between horizontal beams and vertical legs. The entire metal understructure shall be powder coated to 40-60 microns thickness. The vertical legs shall be provided with 6mm tap drill for buffer Levelers to adjust for floor undulation. all the visible surface of the boards shall be sealed with 2mm thick PVC edge banding on automatic machine. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	0 NOS.	82691	-
18	<b>HIGH BACK CHAIR MESH BACK</b>	High Back Chair (Mesh) The overall size of Chair shall be : Width should be 615 +/-5mm and depth should be 640 +/-5mm. Total height 1160 to 1260 +/-5 mm, Back Width 480 mm at Top and 420mm at bottom, Seat Width 500 +/-5 mm, Seat Depth 465+/-5 mm and Seat height 460mm to 560 mm +/-5mm range. Seat should be made up of foam pre moulded at 55 kg/m3 density. hardness of 25+ 3kgf at 50% deflection conforming to IS 3400. Seat shall be upholstered with micro fabric 100% polyester 180 GSM abrasion > 50000 cycles. No flaming or progressive smoldering within one hour of placement of the cigarettes. Fire rated fabric confirming to BS EN 1021 (match) should be used. The chair shall be supplied with Dynaflex Two Piece Back Construction with IS20D Mesh upholstred. Back shall be provided With 260mm width, 160mm height and 50mm height adjustable Headrest. The Chair should be provided with Synchro tilt Mechanism 3 Multi lock features. The mechanism shall allow revolving feature with height adjustability. One Way Adjustable Arms (Height) to be provided with height adjustment button made of Delrin P 500. The mechanism shall possess seat to back recline ratio of 3:7. The Gas Lift used shall be class 4 tested as per ANSI BIFMA standards. Nylon Base to be provided. Twin castors 60 mm dia with PA6 material complying to ANSI/ BIFMA X 5.1 2017 standards. the axle pin shall be rust protected zinc passivated. The base shall be 660 mm PCD (26 inches) five pronged bases made up of PA6, 30% glass filled reinforced with bottom ribbing for additional buttress and strength. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	3 NOS.	27288	81,863
19	<b>MID BACK CHAIR MESH BACK</b>	Mid Back Chair (Mesh) The overall size of Chair shall be : Width should be 615 +/-5mm and depth should be 640 +/-5mm. Total height 1050 to 1150 +/-5 mm, Back Width 480 mm at Top and 420mm at bottom, Seat Width 500 +/-5 mm, Seat Depth 465+/-5 mm and Seat height 460mm to 560 mm +/-5mm range. Seat should be made up of foam pre moulded at 55 kg/m3 density. hardness of 25+ 3kgf at 50% deflection conforming to IS 3400. Seat shall be upholstered with micro fabric 100% polyester 180 GSM abrasion > 50000 cycles. No flaming or progressive smoldering within one hour of placement of the cigarettes. Fire rated fabric confirming to BS EN 1021 (match) should be used. The chair shall be supplied with Dynaflex Two Piece Back Construction with IS20D Mesh upholstred. The Chair should be provided with Synchro tilt Mechanism – with three Multi lock features. The mechanism shall allow revolving feature with height adjustability. One Way Adjustable Arms (Height) to be provided with height adjustment button made of Delrin P 500. The mechanism shall possess seat to back recline ratio of 3:7. The Gas Lift used shall be class 4 tested as per ANSI BIFMA standards. Nylon Base to be provided. Twin castors 60 mm dia with PA6 material complying to ANSI/ BIFMA X 5.1 2017 standards. the axle pin shall be rust protected zinc passivated. The base shall be 660 mm PCD (26 inches) five pronged bases made up of PA6, 30% glass filled reinforced with bottom ribbing for additional buttress and strength. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	9 NOS.	23467	2,11,205
20	<b>Sofa One Seater 1 Seater Sofa in size of 770 mm W x 750 mm D x 685 mm H.</b>	1 Seater Sofa in size of 770 mm W x 750 mm D x 685 mm H. The structure of the sofa shall be made up of solid wood and ply. The foam used in making this sofa shall be of density 32 and 40. Roll poly filling should be used with this pu foam for giving extra comfort and softness to sofa. high quality nevar belts & good quality stapler pins to be used. The legs and frame shall be made up of mild steel material duly polished in chrome finish. The seat & back upholstery shall have checkered design stitching for better aesthetics. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	3 NOS.	39501	1,18,502



21	<b>Sofa Two Seater 2 Seater Sofa in size of 1280 mm W x 750 mm D x 685 mm H.</b>	3 Seater Sofa in size of 1830 mm W x 750 mm D x 685 mm H. The structure of the sofa shall be made up of solid wood and ply. The foam used in making this sofa shall be of density 32 and 40. Roll poly filling should be used with this pu foam for giving extra comfort and softness to sofa. high quality nevar belts & good quality stapler pins to be used. The legs and frame shall be made up of mild steel material duly polished in chrome finish. The seat & back upholstery shall have checkered design stitching for better aesthetics. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	3 NOS.	52852		1,58,557
22	<b>Main Table 2100 x900 with side storage 1200 x 450 x 750 side unit</b>	Cabin Table in size of 2100W X 900D X 750H, Side unit of 1050W X 450D X 750H Table Top: 25mm thick Pre laminate particle board E1 norms with 2mm PVC edge lipping on all exposed edges. Two Long sides of the work surface shall be provided with reverse tapered edge design created by chamfering the board at 45 degree inside for 17mm length & keeping 8mm straight & then edges sealed with 2mm thick PVC Lipping on automatic machine. Leg: shall be made up of high pressure aluminum die casted 20 degree tapered, number "7" shape & oblong cross section of about 55mm on top, 45mm at bottom and of 725mm length to get 750mm table height, it acts as vertical structural support member, connected by a horizontal cross beams 50x25x1.6thk (16g) ERW tube & connected to the Aluminium diecast vertical legs through a high pressure Aluminium diecast 90deg - 02 way connectors. The connector should have "V" / "U" shape tapered groove for sliding a Aluminium diecast slider nut. The slider nut shall be an Aluminium diecast part that has same taper as of "V" / "U" shape in the diecast connector. Modesty Panel: 18mm thk pre lam board with 2mm PVC edge lipping of 450mm Ht. Wire Management: 450mm Aluminium Flip Up and provision to mount swithes and sockets on PVC cable dump and Vertical wire entry cover. Cross Beam: Leg to Leg shall be connected using cross beams made from 50x25x1.60mm (16g) Rectangular tube and to give floating look & to connect the table top with cross beams injection moulded polycarbonate spacers should be used of dia 61mm x 42.50mm H insert moulded with M6x1P zinc blue plated bolt of 22mm L.Spacer height including bolt should be 64.50mm. Side Composite Storage (Openable Shutter +3D+1F) Top & Sides : 18mm Thk pre laminated particle board Back E1 norms: 9mm Thk pre laminated particle board Shutters : 18mm Thk pre laminated particle board Handle. Handless Finger groove shall be created on top edge of shutter doors by providing a reverse tapered profile edge of 6mm straight surface & 12 mm tapered towards inside at 45 degree & then sealed with minimum 2mm thick PVC lipping on automatic machine. Suitable lock shall be provided. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	2 NOS.	58513		1,17,027
23	<b>High Back Chair Mesh Back</b>	The overall size of Chair shall be : width 600 +/-5mm, depth 640 +/-5mm. Total height 1170 to 1270 +/-5 mm, Back Width 425 mm at Top and 500mm at bottom, Seat Width 500 +/-5 mm, Seat Depth 470+/-5 mm and Seat height 470mm to 570 mm +/-5mm range. Seat made up of foam pre moulded at 55 kg/m3 density, hardness of 25+ 3kgf at 50% deflection conforming to IS 3400. Seat shall be upholstered with micro fabric 100% polyester 180 GSM abrasion > 50000 cycles. Fire rated fabric confirming to BS EN 1021 (match) should be used. The chair shall be supplied with Mesh Back rest. The back frame shall be made up of Injection molded PPGF 20% in light grey shade, armrest support also in light grey shade. PU Adjustable Lumbar Support full length of size 365 mm, 110 mm height and 25mm thickness. The Chair should be provided with Self Calibrating Multilock Mechanism (Bio Snchyro mechsanim) that should adjust the tension of the back sensing weight of the user. The mechanism shall allow 360 degree revolving feature along with height adjustability. One Way Adjustable Arms (Height) to be provided with height adjustment button made of Delrin P 500. The mechsanim shall possess seat to back recline ratio of 3:7. The Gas Lift used shall be class 4 tested as per ANSI BIFMA standards. Metal base shall be provided of light grey color matching the chair back & armrest. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	2 NOS.	19500		38,999
24	<b>Mid Back Chair Mesh Back</b>	The overall size of Chair shall be width 600 +/-5mm, depth 640 +/-5mm. Total height shall be 995 to 1095 +/-5 mm, Back Width 425 mm at Top and 500mm at bottom, Seat Width 500 +/-5 mm, Seat Depth 470+/-5 mm and Seat height 470mm to 570 mm +/-5mm range. Seat shall be made up of foam pre moulded at 55 kg/m3 density, hardness of 25+ 3kgf at 50% deflection conforming to IS 3400. Seat shall be upholstered with micro fabric 100% polyester 180 GSM abrasion > 50000 cycles. Fire rated fabric confirming to BS EN 1021 (match) should be used. The chair shall be supplied with Mesh Back rest. The back frame shall be made up of Injection molded PPGF 20% in light grey shade, armrest support also in light grey shade.. Adjustable Lumbar Support made up of PU having size 365 mm x 110 mm x 25mm thick shall be provided for better comfort. The Chair should be provided with Self Calibrating Multilock Mechanism (Bio Snchyro mechsanim) that should adjust the tension of the back sensing weight of the user. The mechanism shall allow 360 degree revolving feature along with height adjustability. One Way Adjustable Arms (Height) to be provided with height adjustment button made of Delrin P 500. The mechsanim shall possess seat to back recline ratio of 3:7. The Gas Lift used shall be class 4 tested as per ANSI BIFMA standards. Nylon Base to be provided. Metal base shall be provided of light grey color matching the chair back & armrest. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	6 NOS.	17228		1,03,368

25	<b>SINGLE SEATER SOFA COUCH WOODEN LEGS</b>	The high back lounge chair shall have overall size of 650 mm width x 720 mm depth x 970 mm height. Seat height shall be 440 mm from ground level. The entire seat, back and the armrest sides shall be made up of moulded PU foam upholstered in fine fabric. A separate cushion upholstered in different color shall be provided of height atleast 250-300 mm for better comfort. The understructure of the table shall be made from solid wood i.e properly treated & seasoned kiln dried beach wood, finished with clear synthetic PU coating for the best resilience and high durability. The legs and the frame shall be joined together by method of tenon and mortise for durability and better aesthetics. Four legs shall be provided and the cross section of leg at the bottom shall be 35x35 and top shall be 55x35 provided in tapered finish for better looks. The outer side of the legs shall be rounded & inner side shall be corner edges. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	2 NOS.	32344	64,688
26	<b>2 Seater Sofa</b>	Overall size shall be 1610 mm W x 975 mm D x 820 mm H. Sofa inner frame structure shall be made from the combination of treated solid wood and plywood having high quality webbing belts to ensure good strength, rigidity & stable construction to offer high durability. There shall be extra padding between the armrest & the seat on both sides for better comfort & polyfilled in arms & backrest. The polyurethane (PU) foam shall be used in Seat & back rest having 40 density and 32 density respectively. Seat to backrest angle should be ergonomically designed to offer the best seating comfort. Seat height shall be normally between 16 to 18 inches and depth shall be between 20-22 inches. Sofa shall be elevated from ground by about 3 inches using Gold finished metal legs creating provision for easy cleaning & better look. Upholstery shall be of high quality Leatherite offer the best feel & comfort. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	2 NOS.	45666	91,332
27	<b>CENTRE TABLE WOOD LEGS SIZE: Overall size shall be 1050 W X 525D X 450H.</b>	The overall size of the table shall be 1050 L x 525 D x 450 H mm. The top surface of the table shall be in boat shape design having maximum size at the middle & lesser at the ends to form this unique shape. The table top shall be made up of 18mm thick Prelaminated particle board of E1 norms. The edges shall be sealed properly with 2mm thick PVC edge banding on automatic machine. The understructure of the table shall be made from solid wood i.e properly treated & seasoned kiln dried beach wood, finished with clear synthetic PU coating for the best resilience and high durability. The legs and the frame shall be joined together by method of tenon and mortise for durability and better aesthetics. Four legs shall be provided and the cross section of leg at the bottom shall be 35x35 and top shall be 55x35 provided in tapered finish for better looks. The outer side of the legs shall be rounded & inner side shall be corner edges. The wooden frame shall be of size 55mm x 22mm thick with visible face of 55 mm front and 22mm shall be below the table top running at all four ends as well as one support in the middle. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	2 NOS.	16826	33,651
28	<b>CENTRE TABLE WOOD LEGS SIZE: Overall size shall be 600WX600DX 550H.</b>	The overall size of the table shall be 600 L x 600 D x 450 H mm. The top surface of the table shall be in boat shape design having maximum size at the middle & lesser at the ends to form this unique shape. The table top shall be made up of 18mm thick Prelaminated particle board of E1 norms. The edges shall be sealed properly with 2mm thick PVC edge banding on automatic machine. The understructure of the table shall be made from solid wood i.e properly treated & seasoned kiln dried beach wood, finished with clear synthetic PU coating for the best resilience and high durability. The legs and the frame shall be joined together by method of tenon and mortise for durability and better aesthetics. Four legs shall be provided and the cross section of leg at the bottom shall be 35x35 and top shall be 55x35 provided in tapered finish for better looks. The outer side of the legs shall be rounded & inner side shall be corner edges. The wooden frame shall be of size 55mm x 22mm thick with visible face of 55 mm front and 22mm shall be below the table top running at all four ends as well as one support in the middle. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	2 NOS.	12323	24,645
29	<b>MAIN TABLE 2100X900 Side unit height adjustable w 1050 x D 450 x H 750mm</b>	Executive Table of size 2100 x 900 x 740 (WDH) main table with side unit height adjustable in size of 1050 x 450 x 750 (WDH) mm and back unit 2100 x 450 x 740 (WDH) mm The worktop shall be made up of 25mm thick PLPB, Modesty Panel shall be 18mm thick PLPB both E1 norms duly finished with 2mm pvc edge band. Modesty shall be connected with 3 nos L-shape pressure aluminium die casted connector of 50 mm width. The understructure shall be made up of Loop leg of CRCA Pipe having cross section of 55mm x 12mm x 61mm x 12mm x 55mm x 1.6 mm. The front modesty & side modesty shall be made up of CRCA sheet 0.8mm perforated and powder coated finished. Horizontal cross beams under table top that shall be connected to all 4 vertical legs through pressure die cast aluminium connector. Side table : It shall include a fixed top and one height adjustable additional worktop made up of 18mm thick Particle board E1 norms operated through gas lift mechanism through user friendly lever provided in front below the adjustable top. The height adjustable top shall enable user work while standing position whenever required to avoid excessive sitting. The side table shall have shelves and front to be covered with shutters provided with lock & key mechanism for safety of documents. Accessories : Cut out through CNC Routed Machine and a Cable Dump tray with PVC/CRCA material shall be mounted to hold switch and socket, Entire cable Dump tray shall be covered with Aluminum extruded with injection moulded plastic side cover Flip up top to access switch and socket. Cable Vertebra of PVC shall be provided to enable wire management from floor to tabletop surface. The side storage shutter top shall be provided with finger groove handle-less design for a streamlined look. Finger groove shall be created by providing a reverse tapered profile edge of 6mm straight surface & 12 mm tapered towards inside at 45 degree & then sealed with minimum 2mm thick PVC lipping on automatic machine. Suitable lock shall be provided. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	15 NOS.	77885	11,68,279

30	<b>Back Storage</b>	The overall size shall be 1200 x 450 x 750 (WDH) mm. Central part shall have two drawers at top & one filling below and shutter storage at either ends Top shall be made up of 18 mm thick pre laminated particle board E1 norms, Back shall be made up of 9 mm thick pre laminated particle board with 2mm PVC edge lipping, Shutters & drawer front shall be made up of 18 mm thick pre laminated particle board. Edge: All exposed shall be sealed with 2mm thick PVC edge lipping. The hinged doors top and drawer top shall be provided with finger groove handle-less design for a streamlined look. Finger groove shall be created by providing a reverse tapered profile edge of 6mm straight surface & 12 mm tapered towards inside at 45 degree & then sealed with minimum 2mm thick PVC lipping on automatic machine. Suitable lock shall be provided. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	28	NOS.	16050		4,49,410
31	<b>High back Chair Mesh Back</b>	The overall size of Chair shall be : width 600 +/-5mm, depth 640 +/-5mm. Total height 1170 to 1270 +/-5 mm, Back Width 425 mm at Top and 500mm at bottom, Seat Width 500 +/-5 mm, Seat Depth 470+/-5 mm and Seat height 470mm to 570 mm +/-5mm range. Seat made up of foam pre moulded at 55 kg/m3 density. hardness of 25+ 3kgf at 50% deflection conforming to IS 3400. Seat shall be upholstered with micro fabric 100% polyester 180 GSM abrasion > 50000 cycles. Fire rated fabric conforming to BS EN 1021 (match) should be used. The chair shall be supplied with Mesh Back rest. The back frame shall be made up of Injection molded PPGF 20% in Black shade, armrest support also in light grey shade. PU Adjustable Lumbar Support full length of size 365 mm, 110 mm height and 25mm thickness. The Chair should be provided with Self Calibrating Multilock Mechanism (Bio Snychro mechansim) that should adjust the tension of the back sensing weight of the user. The mechanism shall allow 360 degree revolving feature along with height adjustability. One Way Adjustable Arms (Height) to be provided with height adjustment button made of Delrin P 500. The mechansim shall possess seat to back recline ratio of 3:7. The Gas Lift used shall be class 4 tested as per ANSI BIFMA standards. Metal base shall be provided of light grey color matching the chair back & armrest. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	16	NOS.	20090		3,21,432
32	<b>MID BACK CHAIR MESH BACK</b>	The overall size of Chair shall be height 915 to 1015 +/-5 mm, Back Width 415 mm at Top and 450mm at bottom, Seat Width 480 +/-5 mm, Seat Depth 440+/-5 mm and Seat height 460mm to 560 mm +/-5mm range. over all chair width should be 560 +/-5mm and Overall chair depth should be 670 +/-5mm. Seat should be made up of foam pre moulded at 55 kg/m3 density. hardness of 25+ 3kgf at 50% deflection conforming to IS 3400. Seat shall be upholstered with micro fabric 100% polyester 180 GSM abrasion > 50000 cycles. No flaming or progressive smoldering within one hour of placement of the cigarettes. Fire rated fabric conforming to BS EN 1021 (match) should be used. The back frame shall be made up of PPGF and the injection molded in Black color, armrest also in grey color. The chair shall be supplied with Mesh Back rest. The Chair should be provided with center tilt two position lock Mechanism. The mechanism shall allow 360 degree revolving feature along with height adjustability. Fixed arms connected to seat and back in the same contour. The mechansim shall possess seat to back recline ratio of 1:1. The Gas Lift used shall be class 4 tested as per ANSI BIFMA standards. Nylon Base in grey color to be provided. Twin castors 50 mm dia with PA6 material complying to ANSI/ BIFMA X 5.1 2017 standards. the axle pin shall be rust protected zinc passivated. The base shall be 660 mm PCD (26 inches) five pronged bases made up of PA6, 30% glass filled reinforced with bottom ribbing for additional buttress and strength. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	64	NOS.	10237		6,55,136
33	<b>Single Seater Couch with Wooden Legs</b>	The overall size of the chair shall be 690 width x 750 height and 580 mm depth. The seat height shall be 460mm. The understructure material of the chair shall be beachwood. The chair understructure shall have 4 legs that should be interconnected with each other. The seat & back shall be made up of insitu molded PU foam having seat, back & side armrests entire connected. The entire seat shell shall be upholsterd with high quality polyester fabric. Wood shall be polished in desirable shade for better appearance. The lounge chair shall be as per the reference image. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	15	NOS.	34102		5,11,530

34	<p><b>Regular A-Type workstation 1200x600x2000ht/750ht. With 3 drawer pedestal (2D+1F)</b></p>	<p>The Overall size of the workstation cluster shall be 1200 mm L x 600 mm D x 2000 H/ 750 H. The cluster shall have 6 individual workstations each of size 1200 mm L x 600 mm D. The worktop height shall be 750 mm &amp; height including storage above table top shall be 2000mm. The worktop shall be made up of 25mm thick pre-laminated particle board of grade E1 low emitting material. The understructure shall be made up of MS powder coated legs Constructed by using specially tooled &amp; designed "D" shape ERW Tube 60mm x 30mm x 1.60mm thick (16g), which gets connected at the top by high pressure aluminum die cast connectors and fitted at the bottom by leg bush &amp; levelers made of Acrylonitrile butadiene styrene (ABS), a very tough material. The 2 angular vertical legs shall be connected by horizontal beams, 2 Rectangle tube at different height 750ht.mm for table top support and 1050ht.mm for storage which is a horizontal member of the leg is attached with two verticals on either ends by MIG welding. MIG (Co2) welding is done on inner faces of the tubes to take care of aesthetics of leg and other horizontal beam is connected to both the vertical at top with aluminium die castor connector. The die cast connect size shall be L shaped having angle of 10 degrees for vertical leg side. The Diecast connector will have same shape of "D" vertical leg at one side and another side matching to horizontal cross section 50x25. The Intermediate leg: Two Verticals of Intermediate leg will have to be with 60x40mm rectangular ERW tubes and both legs are joined using a beam section of 40x40x1.6mm thk at the top side. The 60x40 verticals to have through "U" notch or through cut out of 40x41mm size at the top side to locate 40x40 cross beam. For ease of wire management, a 450 mm length &amp; 142mm breadth flip up cover made up of aluminum having soft closure &amp; with option to fix laptop ring should be provided. A flip down mechanism enabled cable tray shall be provided below the worktop to mount switches and sockets. The front fabric screen shall be provided of size 1050 mm L x 350 mm ht. made up of 18 mm thick prelam particle board of grade E1 upholstered by fabric, having aluminum extrusion at all three sides having cross section size of 12mm x 5mm &amp; joined at all 4 corners with Zinc mazak5 die cast connector of size 15 L x 15 H x 12mm W. The overall size of storage above the table top shall be 1200L x 1000D x 400Ht. storage shall be operated from the both sides. The prelaminate particle board of approved shade confirming to E1 norms. Top &amp; Sides shall be 18mm Thk pre laminated particle board. Middle panel shall be 18 mm Thk pre laminated particle board. Edge: All exposed area with 2mm thick PVC edge lipping on automatic machine. The storage facia having regular cam lock with finger groove operate and every shutter having hydraulic support cabinet hinges soft close. Pedestal - 2D+1F in size of 400W X 450D X 600Ht. The prelaminate particle board of approved shade confirming to E1 norms. Top &amp; Sides shall be 18mm Thk pre laminated particle board. Back panel shall be 9 mm Thk pre laminated particle board. Edge: All exposed area with 2mm thick PVC edge lipping on automatic machine. The drawers front &amp; filling shall be provided with sleek finger groove handle less design for a streamlined look. Finger groove shall be created by providing a reverse tapered profile edge of 6mm straight surface &amp; 12 mm tapered towards inside at 45 degree &amp; then sealed with minimum 2mm thick PVC lipping on automatic machine. Lock: Regular lock shall be provided. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.</p>	68 NOS.	47200		32,09,600
35	<p><b>Rectangular Workstations 1350 x 600 with 3 drawer storage pedestal</b></p>	<p>The Overall size of the workstation cluster shall be 1350 mm L x 600 mm D x 1100 H/ 750 H. The cluster shall have 4 individual workstations each of size 1200 mm L x 600 mm D. The worktop height shall be 750 mm &amp; height including partition screens shall be 1100mm. The worktop shall be made up of 25mm thick pre-laminated particle board of grade E1 low emitting material. The understructure shall be made up of MS powder coated legs having enhanced look with 08 faces trapezoidal cross section size 43.5mm x 8mm x 43.5mm x 5.5mm x 17mm x 5.5mm x 43.50mm x 8mm and thickness of 1.6mm. Edges of the leg should not have sharp edges. For safety of users a radius of R3.20 mm should be provided. The vertical legs shall be connected by horizontal beams with the help of aluminum die cast connector that joints the legs vertically and horizontally with pipe of cross section 50 x 25 mm x 1.6 mm thickness. The die cast connect size shall be L shaped having angle of 10 degrees for vertical leg side. The Diecast connector will have same shape as of Trapezoidal vertical leg at one side and another side matching to horizontal cross section 50x25. The Intermediate leg: Two Verticals of Intermediate leg will have to be with 60x40mm rectangular ERW tubes and both legs are joined using a beam section of 40x40x1.6mm thk at the top side. The 60x40 verticals to have through "U" notch or through cut out of 40x41mm size at the top side to locate 40x40 cross beam. For ease of wire management, a 450 mm length &amp; 142mm breadth flip up cover made up of aluminum having soft closure &amp; with option to fix laptop ring should be provided. A flip down mechanism enabled cable tray shall be provided below the worktop to mount switches and sockets. The front fabric screen shall be provided of size 1050 mm L x 350 mm ht. made up of 18 mm thick prelam particle board of grade E1 upholstered by fabric, having aluminum extrusion at all three sides having cross section size of 12mm x 5mm &amp; joined at all 4 corners with Zinc mazak5 die cast connector of size 15 L x 15 H x 12mm W. Pedestal - 2D+1F in size of 400W X 450D X 600Ht. The prelaminate particle board of approved shade confirming to E1 norms. Top &amp; Sides shall be 18mm Thk pre laminated particle board. Back panel shall be 9 mm Thk pre laminated particle board. Edge: All exposed area with 2mm thick PVC edge lipping on automatic machine. The drawers front &amp; filling shall be provided with sleek finger groove handle less design for a streamlined look. Finger groove shall be created by providing a reverse tapered profile edge of 6mm straight surface &amp; 12 mm tapered towards inside at 45 degree &amp; then sealed with minimum 2mm thick PVC lipping on automatic machine. Lock: Regular lock shall be provided. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.</p>	1 NOS.	13522		13,522

36	<b>Rectangular Workstations 1500 x 600 with 3 drawer storage pedestal</b>	<p>The Overall size of the workstation cluster shall be 1500 mm L x 600 mm D x 1100 H/ 750 H. The cluster shall have 4 individual workstations each of size 1200 mm L x 600 mm D. The worktop height shall be 750 mm &amp; height including partition screens shall be 1100mm. The worktop shall be made up of 25mm thick pre-laminated particle board of grade E1 low emitting material. The understructure shall be made up of MS powder coated legs having enhanced look with 08 faces trapezoidal cross section size 43.5mm x 8mm x 43.5mm x 5.5mm x 17mm x 5.5mm x 43.50mm x 8mm and thickness of 1.6mm. Edges of the leg should not have sharp edges. For safety of users a radius of R3.20 mm should be provided. The vertical legs shall be connected by horizontal beams with the help of aluminum die cast connector that joints the legs vertically and horizontally with pipe of cross section 50 x 25 mm x 1.6 mm thickness. The die cast connect size shall be L shaped having angle of 10 degrees for vertical leg side. The Diecast connector will have same shape as of Trapezoidal vertical leg at one side and another side matching to horizontal cross section 50x25. The Intermediate leg: Two Verticals of Intermediate leg will have to be with 60x40mm rectangular ERW tubes and both legs are joined using a beam section of 40x40x1.6mm thk at the top side. The 60x40 verticals to have through "U" notch or through cut out of 40x41mm size at the top side to locate 40x40 cross beam. For ease of wire management, a 450 mm length &amp; 142mm breadth flip up cover made up of aluminum having soft closure &amp; with option to fix laptop ring should be provided. A flip down mechanism enabled cable tray shall be provided below the worktop to mount switches and sockets. The front fabric screen shall be provided of size 1050 mm L x 350 mm ht. made up of 18 mm thick prelam particle board of grade E1 upholstered by fabric, having aluminum extrusion at all three sides having cross section size of 12mm x 5mm &amp; joined at all 4 corners with Zinc mazak5 die cast connector of size 15 L x 15 H x 12mm W. Pedestal - 2D+1F in size of 400W X 450D X 600Ht. The prelaminated particle board of approved shade confirming to E1 norms. Top &amp; Sides shall be 18mm Thk pre laminated particle board. Back panel shall be 9 mm Thk pre laminated particle board. Edge: All exposed area with 2mm thick PVC edge lipping on automatic machine. The drawers front &amp; filling shall be provided with sleek finger groove handle less design for a streamlined look. Finger groove shall be created by providing a reverse tapered profile edge of 6mm straight surface &amp; 12 mm tapered towards inside at 45 degree &amp; then sealed with minimum 2mm thick PVC lipping on automatic machine. Lock: Regular lock shall be provided. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.</p>	2 NOS.	12189		24379
37	<b>Rectangular Workstations 1050 x 600 with 3 drawer storage pedestal</b>	<p>The Overall size of the workstation cluster shall be 1050 mm L x 600 mm D x 1100 H/ 750 H. The cluster shall have 4 individual workstations each of size 1200 mm L x 600 mm D. The worktop height shall be 750 mm &amp; height including partition screens shall be 1100mm. The worktop shall be made up of 25mm thick pre-laminated particle board of grade E1 low emitting material. The understructure shall be made up of MS powder coated legs having enhanced look with 08 faces trapezoidal cross section size 43.5mm x 8mm x 43.5mm x 5.5mm x 17mm x 5.5mm x 43.50mm x 8mm and thickness of 1.6mm. Edges of the leg should not have sharp edges. For safety of users a radius of R3.20 mm should be provided. The vertical legs shall be connected by horizontal beams with the help of aluminum die cast connector that joints the legs vertically and horizontally with pipe of cross section 50 x 25 mm x 1.6 mm thickness. The die cast connect size shall be L shaped having angle of 10 degrees for vertical leg side. The Diecast connector will have same shape as of Trapezoidal vertical leg at one side and another side matching to horizontal cross section 50x25. The Intermediate leg: Two Verticals of Intermediate leg will have to be with 60x40mm rectangular ERW tubes and both legs are joined using a beam section of 40x40x1.6mm thk at the top side. The 60x40 verticals to have through "U" notch or through cut out of 40x41mm size at the top side to locate 40x40 cross beam. For ease of wire management, a 450 mm length &amp; 142mm breadth flip up cover made up of aluminum having soft closure &amp; with option to fix laptop ring should be provided. A flip down mechanism enabled cable tray shall be provided below the worktop to mount switches and sockets. The front fabric screen shall be provided of size 1050 mm L x 350 mm ht. made up of 18 mm thick prelam particle board of grade E1 upholstered by fabric, having aluminum extrusion at all three sides having cross section size of 12mm x 5mm &amp; joined at all 4 corners with Zinc mazak5 die cast connector of size 15 L x 15 H x 12mm W. Pedestal - 2D+1F in size of 400W X 450D X 600Ht. The prelaminated particle board of approved shade confirming to E1 norms. Top &amp; Sides shall be 18mm Thk pre laminated particle board. Back panel shall be 9 mm Thk pre laminated particle board. Edge: All exposed area with 2mm thick PVC edge lipping on automatic machine. The drawers front &amp; filling shall be provided with sleek finger groove handle less design for a streamlined look. Finger groove shall be created by providing a reverse tapered profile edge of 6mm straight surface &amp; 12 mm tapered towards inside at 45 degree &amp; then sealed with minimum 2mm thick PVC lipping on automatic machine. Lock: Regular lock shall be provided. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.</p>	8 NOS.	27731		2,21,844



38	<b>Pentagonal workstations 1500 x 1500 x450-600 with 3 Drawer Storage Pedestal</b>	The Overall size of the workstation cluster shall be 1500 mm L x 1500 L x 600 D1-450 D2 mm x 1100 H/ 750 H. The cluster shall have 4 individual workstations each of size 1200 mm L x 600 mm D. The worktop height shall be 750 mm & height including partition screens shall be 1100mm. The worktop shall be made up of 25mm thick pre-laminated particle board of grade E1 low emitting material. The understructure shall be made up of MS powder coated legs having enhanced look with 08 faces trapezoidal cross section size 43.5mm x 8mm x 43.5mm x 5.5mm x 17mm x 5.5mm x 43.50mm x 8mm and thickness of 1.6mm. Edges of the leg should not have sharp edges. For safety of users a radius of R3.20 mm should be provided. The vertical legs shall be connected by horizontal beams with the help of aluminum die cast connector that joints the legs vertically and horizontally with pipe of cross section 50 x 25 mm x 1.6 mm thickness. The die cast connect size shall be L shaped having angle of 10 degrees for vertical leg side. The Diecast connector will have same shape as of Trapezoidal vertical leg at one side and another side matching to horizontal cross section 50x25. The Intermediate leg: Two Verticals of Intermediate leg will have to be with 60x40mm rectangular ERW tubes and both legs are joined using a beam section of 40x40x1.6mm thk at the top side. The 60x40 verticals to have through "U" notch or through cut out of 40x41mm size at the top side to locate 40x40 cross beam. For ease of wire management, a 450 mm length & 142mm breadth flip up cover made up of aluminum having soft closure & with option to fix laptop ring should be provided. A flip down mechanism enabled cable tray shall be provided below the worktop to mount switches and sockets. The front fabric screen shall be provided of size 1050 mm L x 350 mm ht. made up of 18 mm thick prelam particle board of grade E1 upholstered by fabric, having aluminum extrusion at all three sides having cross section size of 12mm x 5mm & joined at all 4 corners with Zinc mazak5 die cast connector of size 15 L x 15 H x 12mm W. Pedestal - 2D+1F in size of 400W X 450D X 600Ht. The prelaminated particle board of approved shade confirming to E1 norms. Top & Sides shall be 18mm Thk pre laminated particle board. Back panel shall be 9 mm Thk pre laminated particle board. Edge: All exposed area with 2mm thick PVC edge lipping on automatic machine. The drawers front & filling shall be provided with sleek finger groove handle less design for a streamlined look. Finger groove shall be created by providing a reverse tapered profile edge of 6mm straight surface & 12 mm tapered towards inside at 45 degree & then sealed with minimum 2mm thick PVC lipping on automatic machine. Lock: Regular lock shall be provided. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	18	NOS.	33674	6,06,126
39	<b>workstation Area Overhead storage size - 1050 x 350 x 450ht.</b>	The overall size shall be 1050 x 360 x 450 (WDH) mm. Top shall be made up of 18 mm thick pre laminated particle board E1 norms, Back shall be made up of 9 mm thick pre laminated particle board with 2mm PVC edge lipping, Shutters shall be made up of 18 mm thick pre laminated particle board. Edge: All exposed shall be sealed with 2mm thick PVC edge lipping. The hinged doors top shall be provided with finger groove handle-less design for a streamlined look. Finger groove shall be created by providing a reverse tapered profile edge of 6mm straight surface & 12 mm tapered towards inside at 45 degree & then sealed with minimum 2mm thick PVC lipping on automatic machine. Suitable lock shall be provided. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	26	NOS.	10647	2,76,826
40	<b>workstation Area Overhead storage size - 900 x 360 x 450ht.</b>	The overall size shall be 900 x 360 x 450 (WDH) mm. Top shall be made up of 18 mm thick pre laminated particle board E1 norms, Back shall be made up of 9 mm thick pre laminated particle board with 2mm PVC edge lipping, Shutters shall be made up of 18 mm thick pre laminated particle board. Edge: All exposed shall be sealed with 2mm thick PVC edge lipping. The hinged doors top shall be provided with finger groove handle-less design for a streamlined look. Finger groove shall be created by providing a reverse tapered profile edge of 6mm straight surface & 12 mm tapered towards inside at 45 degree & then sealed with minimum 2mm thick PVC lipping on automatic machine. Suitable lock shall be provided. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	18	NOS.	9095	1,63,718
41	<b>workstation Chair</b>	Overall size : Width 560 +/-5mm and Depth 670 +/-5mm. Total height 915 to 1015 +/-5 mm, Back Width 415 mm at Top and 450mm at bottom, Seat Width 480 +/-5 mm, Seat Depth 460+/-5 mm and Seat height 460mm to 560 mm +/-5mm range. Seat should be made up of foam pre moulded at 55 kg/m3 density. hardness of 25+ 3kgf at 50% deflection conforming to IS 3400. Seat shall be upholstered with micro fabric 100% polyester 180 GSM abrasion > 50000 cycles. No flammings or progressive smoldering within one hour of placement of the cigarettes. Fire rated fabric confirming to BS EN 1021 (match) should be used. The chair shall be supplied with Mesh Back rest. The Chair should be provided with center tilt two position lock Mechanism. The mechanism shall allow 360 degree revolving feature along with height adjustability. Fixed arms connected to seat and back. The mechanism shall possess seat to back recline ratio of 1:1. The Gas Lift used shall be class 4 tested as per ANSI BIFMA standards. Nylon Base to be provided. Twin castors 50 mm dia with PA6 material complying to ANSI/ BIFMA X 5.1 2017 standards. the axle pin shall be rust protected zinc passivated. The base shall be 660 mm PCD (26 inches) five pronged bases made up of PA6, 30% glass filled reinforced with bottom ribbing for additional buttress and strength. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	97	NOS.	10827	10,50,171

42	<b>17 seater Meeting room table with Aluminium Die cast legs</b>	Meeting table in size of 4800 x 1200 x 750 (WDH)mm. The worksurface of the table shall be made up of 25mm thick Pre-laminate particle board as per E1 norms and its edges duly sealed with 2mm PVC Lipping on automatic machine at visible sides. Two Long sides of the work surface shall be provided with reverse tapered edge design created by chamfering the board at 45 degree inside for 17mm length & keeping 8mm straight & then edges sealed with 2mm thick PVC Lipping on automatic machine. Leg: shall be made up of high pressure aluminum die casted 20 degree tapered, number "7" shape & oblong cross section of about 55mm on top, 45mm at bottom and of 725mm length to get 750mm table height, it shall acts as vertical structural support member, connected by a horizontal cross beams 50x25x1.6thk (16g) ERW tube & connected to the Aluminium diecast vertical legs through a high pressure Aluminium diecast 90deg – 02 way connectors. Wire Management: 450mm Aluminium Flip Up and provision to mount swiches and sockets on PVC cable dump and Vertical wire entry cover made up of steel sheets. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	2 NOS.	123871	2,47,741
43	<b>Foldable Tables for Modular Conference Room 1200 x 750</b>	Overall size of the Foldable table shall be 1200 L x 750 D. The worksurface of the main table shall be made up of 25mm thick Pre-laminate particle board E1 norms duly finished with 2mm pvc edge banding on automatic machine. The modesty panel of the main table shall be made up of 18mm thick Pre-laminate particle board E1 norms duly finished with 2mm pvc edge banding on automatic machine. The modesty panel shall be connected through 2 nos L-shape pressure aluminium die casted connector with the table top. The worktop shall be connected with the understructure with the help of Cross beam 25 x 25mm. The understructure of the table shall be provided with heavy duty 2 vertical legs made up of CRCA MS Rectangular Tube size 70 x 30 mm from top connected to Aluminium Die casted connector size 62mm Length having different widths 85 to 60mm x 75 Ht. this connector end shall be covered by flat oval connector cap with M8x30Lx1.25P Hexa head bolt from bottom connected to Aluminium die casted horizontal base FT 7530 - Leg Prong shall have Rectangular cavity of 70x30mm for inserting CRCA MS tube connector. 60mm dia twin castors wheel shall be connected with Aluminium base for the movement of table which having 2 locking wheel for stability of table. Mechanism :Flip top table shall have two peddles that shall release to allow the surface to flip away from the user. Flip top tables shall be able to nest with each other. Two paddles under the front edge allow the surface to flip up, minimizing space for storage when not in use. Multiple tables can be nested for storage when surface is flipped up. Support: Aluminium foldable under structure. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	18 NOS.	25910	4,66,377
44	<b>High Back Chair Conference Room)</b>	The overall size of Chair shall be : width 600 +/-5mm, depth 640 +/-5mm. Total height 1170 to 1270 +/-5 mm, Back Width 425 mm at Top and 500mm at bottom, Seat Width 500 +/-5 mm, Seat Depth 470+/-5 mm and Seat height 470mm to 570 mm +/-5mm range. Seat shall be upholstered with micro fabric 100% polyester 180 GSM abrasion > 50000 cycles. Fire rated fabric conforming to BS EN 1021 (match) should be used. The chair shall be supplied with Mesh Back rest. The back frame shall be made up of Injection molded PPGF 20%. PU Adjustable Lumbar Support full length of size 365 mm, 110 mm height and 25mm thickness. The Chair should be provided with Self Calibrating Multilock Mechanism (Bio Sncyro mechsansim) that should adjust the tension of the back sensing weight of the user. The mechanism shall allow 360 degree revolving feature along with height adjustability. One Way Adjustable Arms (Height) to be provided with height adjustment button made of Delrin P 500. The mechsansim shall possess seat to back recline ratio of 3:7. The Gas Lift used shall be class 4 tested as per ANSI BIFMA standards. Nylon base shall be provided. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	2 NOS.	17921	35,841
45	<b>Mid Back Chair Conference Room)</b>	The overall size of Chair shall be width 600 +/-5mm, depth 640 +/-5mm. Total height shall be 995 to 1095 +/-5 mm, Back Width 425 mm at Top and 500mm at bottom, Seat Width 500 +/-5 mm, Seat Depth 470+/-5 mm and Seat height 470mm to 570 mm +/-5mm range. Seat shall be made up of foam pre moulded at 55 kg/m3 density. hardness of 25+ 3kgf at 50% deflection conforming to IS 3400. Seat shall be upholstered with micro fabric 100% polyester 180 GSM abrasion > 50000 cycles. Fire rated fabric conforming to BS EN 1021 (match) should be used. The chair shall be supplied with Mesh Back rest. The back frame shall be made up of Injection molded PPGF 20%. Adjustable Lumbar Support made up of PU having size 365 mm x 110 mm x 25mm thick shall be provided for better comfort. The Chair should be provided with Self Calibrating Multilock Mechanism (Bio Sncyro mechsansim) that should adjust the tension of the back sensing weight of the user. The mechanism shall allow 360 degree revolving feature along with height adjustability. One Way Adjustable Arms (Height) to be provided with height adjustment button made of Delrin P 500. The mechsansim shall possess seat to back recline ratio of 3:7. The Gas Lift used shall be class 4 tested as per ANSI BIFMA standards. Nylon Base shall be provided. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	34 NOS.	15885	5,40,095
46	<b>Meeting Room Seating back Row</b>	Supplying and Placing Cafe contenuous seating. The overall dimensions of the seating shall be 750D x 600H. The seat should be made of PU foam with Density 28 ± 2 kg/cu.mtr having an additional top layer of supersoft PU foam with Density 32 ± 2 kg/cu. Seat should be upholstered with fabric . Understructure will be box made up of 1.2±0.1 cm. thick hot pressed plywood (which also shall be resistance and termite proof as per IS:303.) finished with approved .8mm laminate on the outside.Complete as per the direction of Engineer in charge	28.00 RM	23014.4	3,77,436
47	<b>CAFÉ Tables</b>	Supplying and placing in position cafeteria table of the following specifications. MDF top PU Coated size shall be 600 Width x 600 Depth mm x 745 Height mm . Top shall be of MDF 25 mm thick size : 750 mm x 750 mm x 25 mm . PU coating done on both top and bottom surfaces . PU coating has a hardness of 1H- 2H . Top is Fitted to the understructure with No. 8 x 16 plilip head screw . Understructure shall be made with powder coated MS frame .	10 NOS.	28284.6	2,82,846

48	<b>Café Seating</b>	Supplying and Placing Cafe contenuous seating. The overall dimensions of the seating shall be 750D x 600H. The seat should be made of PU foam with Density 28 ± 2 kg/cu.mtr having an additional top layer of supersoft PU foam with Density 32 ± 2 kg/cu. Seat should be upholstered with fabric . Understructure will be box made up of 1.2±0.1 cm. thick hot pressed plywood (which also shall be resistance and termite proof as per IS:303.) finished with approved .8mm laminate on the outside.Complete as per the direction of Engineer in charge	17.00	RM	21216.4		3,47,949
49	<b>Round table for Café table 1200 Dia</b>	The overall size of the café table is 1200 dia. The top shall be made up of 18mm Hydrosshield material to enable use of table in cafeteria and water reistant. Leg: shall be made up of high pressure aluminum die casted 20 degree tapered, number "7" shape & oblong cross section of about 55mm on top, 45mm at bottom and of 725mm length to get 750mm table height, it shall acts as vertical structural support member, connected by a horizontal cross beams 50x25x1.6thk (16g) ERW tube & connected to the Aluminium diecast vertical legs through a high pressure Aluminium diecast connectors. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	1	NOS.	33,175.70		33,176
50	<b>Plastic Chair Single Mould</b>	Multipurpose Chair The Chair shall be made up of injection moulded poly propylene material having ergonomic seat & back with design and sufficient support. The chair shall be single injection moulded piece having 4 legs & designed to withstand long usage. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	0	NOS.	9,499.00		-
51	<b>Reception Table 2400 x 750</b>	Reception table The overall size of the reception table shall be 2400 mm length, 750 mm depth & 1050 mm height. On the front side both ends shall be provided with groove design strips to enhance the overall look. At the centre of the front side L shape surface shall be provided fixed up with hinges to paste logo of the department if required. The entire table shall be made up of 25mm / 18mm thick pre laminated particle board of E1 norms. Inside of table a working height shelf should be provided or height 750 mm to keep desktop/ laptop and normal working with sitting. the edges of the visible surface shall be sealed with 2mm thick PVC lipping on automatic machine. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	1	NOS.	#####		1,39,553
52	<b>3 Seater Sofa for Waiting Areas/ Lounge</b>	Three Seater Sofa: The overall size shall be 1800L x 665D x 775H. The seating height that is under-structure with sofa cushions shall be 450mm. The sofa shall be designed with sleeker and tapered arm rests and back top. The sofa structure shall be made up of wooden structure made from treated & seasoned solid wood and plywood fixed with the combinations of 32 & 40 density PU foams for seat and back rest, upholstered with polyester fabric of 450 glm, having abrasion resistance more than 50K rubs, colour fastness to light better than 5, colour fastness to rubbing 4-5. The Under-structure shall be a distinctive 3D design, made from laser cut metal roll formed steel with Overall size of 575mm L x 192mm D x 260mm H made in the close tolerance of +/-3mm. Leg top beam shall be made up of 40x20x1.60mm thick rectangular profile tube, the vertical legs shall be tapered square to round tube profiles with Sq.30mm at top gradually tapered to get round diameter of 19mm (+/-2mm) at the bottom. The bottom portion of the dia 19 shall be formed to make it perpendicular to the floor / ground. Each leg shall be fixed with M8 hex bolt insert moulded nylon leveller of diameter 40mm and with an option to adjust the leg height upto 15mm based on floor undulation. The leg to leg shall be connected using cross beams of 40x20x1.60mm thk rectangular ERW CR tubes. All metal parts come with Powder Coating Finish of 50–80micron thk. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	3	NOS.	35,004.70		1,05,014
53	<b>2 Seater Sofa for Waiting Areas/ Lounge</b>	Two Seater Sofa: The overall size shall be 1200L x 665D x 775H. The seating height that is under-structure with sofa cushions shall be 450mm. The sofa shall be designed with sleeker and tapered arm rests and back top. The sofa structure shall be made up of wooden structure made from treated & seasoned solid wood and plywood fixed with the combinations of 32 & 40 density PU foams for seat and back rest, upholstered with polyester fabric of 450 glm, having abrasion resistance more than 50K rubs, colour fastness to light better than 5, colour fastness to rubbing 4-5. The Under-structure shall be a distinctive 3D design, made from laser cut metal roll formed steel with Overall size of 575mm L x 192mm D x 260mm H made in the close tolerance of +/-3mm. Leg top beam shall be made up of 40x20x1.60mm thick rectangular profile tube, the vertical legs shall be tapered square to round tube profiles with Sq.30mm at top gradually tapered to get round diameter of 19mm (+/-2mm) at the bottom. The bottom portion of the dia 19 shall be formed to make it perpendicular to the floor / ground. Each leg shall be fixed with M8 hex bolt insert moulded nylon leveller of diameter 40mm and with an option to adjust the leg height upto 15mm based on floor undulation. The leg to leg shall be connected using cross beams of 40x20x1.60mm thk rectangular ERW CR tubes. All metal parts come with Powder Coating Finish of 50–80micron thk. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	2	NOS.	54,270.56		1,08,541

54	<b>1 Seater Sofa for Waiting Areas/ Lounge</b>	Single Seater Sofa: The overall size shall be 700L x 665D x 775H. The seating height that is under-structure with sofa cushions shall be 450mm. The sofa shall be designed with sleeker and tapered arm rests and back top. The sofa structure shall be made up of wooden structure made from treated & seasoned solid wood and plywood fixed with the combinations of 32 & 40 density PU foams for seat and back rest, upholstered with polyester fabric of 450 glm, having abrasion resistance more than 50K rubs, colour fastness to light better than 5, colour fastness to rubbing 4-5. The Under-structure shall be a distinctive 3D design, made from laser cut metal roll formed steel with Overall size of 575mm L x 192mm D x 260mm H made in the close tolerance of +/- 3mm. Leg top beam shall be made up of 40x20x1.60mm thick rectangular profile tube, the vertical legs shall be tapered square to round tube profiles with Sq.30mm at top gradually tapered to get round diameter of 19mm (+/-2mm) at the bottom. The bottom portion of the dia 19 shall be formed to make it perpendicular to the floor / ground. Each leg shall be fixed with M8 hex bolt insert moulded nylon leveller of diameter 40mm and with an option to adjust the leg height upto 15mm based on floor undulation. The leg to leg shall be connected using cross beams of 40x20x1.60mm thk rectangular ERW CR tubes. All metal parts come with Powder Coating Finish of 50-80micron thk. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	2 NOS.	71,187.04		1,42,374
55	<b>Centre table Size Overall Size : 1050W X 600D X 450HT.</b>	Centre table Size The overall size of the Centre table shall be 1050 mm Length x 600 mm depth, 450 mm height. the table top shall be made up of 18mm thick prelaminated particle board of approved shade All the edges of discussion surface shall be provided with machine pressed 2mm thick PVC lipping glued with hotmelt Eva glue free from any VOC. Under Structure Support: Table top shall be supported on CRCA legs duly powder coated. The Chair understructure should be provided with 32mm by 1.6mm thickenss swaged tube from 32mm top and 19mm bottom. The edges of the table top shall be rounded & edges shall not be sharp. The legs shall be in angular design & thicker on the top & thinner on the bottom side. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	2 NOS.	10,484.30		20,969
56	<b>Side table Overall Size : Dia 600 x 450HT.</b>	Centre table Size The overall size of the Centre table shall be dia 600mm, 450 mm height. the table top shall be made up of 18mm thick prelaminated particle board of approved shade All the edges of discussion surface shall be provided with machine pressed 2mm thick PVC lipping glued with hotmelt Eva glue free from any VOC. Under Structure Support: Table top shall be supported on CRCA legs duly powder coated. The Chair understructure should be provided with 32mm by 1.6mm thickenss swaged tube from 32mm top and 19mm bottom. The edges of the table top shall be rounded & edges shall not be sharp. The legs shall be in angular design & thicker on the top & thinner on the bottom side. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	4 NOS.	9,254.74		37,019
57	<b>Table &amp; Side table for Secretarial Staff 1800 x 900 with side Table 900 x 450 x740 (WDH)mm</b>	Office Main Table shall be of size 1500L x 750D x 750 H with side unit of 900 x 450 x 740 (WDH) mm. The worksurface of the table shall be made up of 25mm thick Pre-laminate particle board as per E1 norms and its edges duly sealed with 2mm PVC Lipping on automatic machine at visible sides. Understructure shall be supported on CRCA MS powder coated angular legs of cross section 40 x 40 x 1.6mm thick and cross beam made up of 40 x 20 x 1.2 mm thick. vertical Legs shall be connected with horizontal beam through aluminium die cast connectors having opening of 40 x 40 on the vertical side & 40 x 20 on the horizontal side to accomodate connetion of Leg & horizontal frame. Pedestal Top & Sides shall be made up of 18mm thk pre laminated particle board E1 norms, Back : 9mm Thk pre laminated particle board. Pedestal - 2D+1F with Cylindricle lock in Size : 400W X 450D X 600Ht. Top & Sides: 18mm Thk pre laminated particle board . Back: 9mm Thk pre laminated particle board. Edge: All exposed area with 2mm thick PVC edge lipping The drawers front & filling shall be provided with sleek finger groove handle less design for a streamlined look. Finger groove shall be created by providing a reverse tapered profile edge of 6mm straight surface & 12 mm tapered towards inside @ 45 degree & then sealed with minimum 2mm thick PVC lipping on automatic machine. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	7 NOS.	32,499.56		2,27,497
58	<b>Mobile Pedestal Size - 400 X 450 X 600</b>	Mobile pedestal shall size of 400 x 450 x 600 (WDH) mm Pedestal shall be made up of 18mm thick Pre-laminate particle board as per E1 norms and its edges duly sealed with 2mm PVC Lipping on automatic machine at visible sides. Back shall be made up of 9 mm thick pre laminated particle board with 2mm PVC edge lipping drawer front shall be made up of 18 mm thick pre laminated particle board. Edge: All exposed shall be sealed with 2mm thick PVC edge lipping. The hinged doors top and drawer top shall be provided with finger groove handle-less design for a streamlined look. Finger groove shall be created by providing a reverse tapered profile edge of 6mm straight surface & 12 mm tapered towards inside at 45 degree & then sealed with minimum 2mm thick PVC lipping on automatic machine. Suitable lock shall be provided. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	5 NOS.	7,459		37,294

59	<b>SECRETARIAL ROOM Back Storage</b>	The overall size shall be 1050 x 450 x 750 (WDH) mm. Central part shall have two drawers at top & one filling below and shutter storage at either ends Top shall be made up of 18 mm thick pre laminated particle board E1 norms, Back shall be made up of 9 mm thick pre laminated particle board with 2mm PVC edge lipping, Shutters & drawer front shall be made up of 18 mm thick pre laminated particle board. Edge: All exposed shall be sealed with 2mm thick PVC edge lipping. The hinged doors top and drawer top shall be provided with finger groove handle-less design for a streamlined look. Finger groove shall be created by providing a reverse tapered profile edge of 6mm straight surface & 12 mm tapered towards inside at 45 degree & then sealed with minimum 2mm thick PVC lipping on automatic machine. Suitable lock shall be provided. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	0	NOS.	21018	-
60	<b>Main Chair for Secretarial Staff</b>	The overall size of Chair shall be height 1165 to 1265 +/-5 mm, width should be 595 +/-5mm and depth should be 640 +/-5mm. Back Width 435 mm at Top and 490mm at bottom, Seat Width 500 +/-5 mm, Seat Depth 465+/-5 mm and Seat height 450mm to 550 mm +/-5mm range. Seat should be made up of foam pre moulded at 55 kg/m3 density. hardness of 25+ 3kgf at 50% deflection conforming to IS 3400. Seat shall be upholstered with micro fabric 100% polyester 180 GSM abrasion > 50000 cycles. No flaming or progressive smoldering within one hour of placement of the cigarettes. Fire rated fabric confirming to BS EN 1021 (match) should be used. The chair shall be supplied with Mesh at the back rest & shall be provided With 280mm width, 160mm height and 70mm height adjustable Headrest. The back frame shall be made up of injection molded nylon GF 3. Adjustable Lumbar Support of size 300 mm length, 150 mm height and 3mm thickness travel upto 65mm. The Chair should be provided with synchro mechanism with single lever with one position lock. The mechanism shall allow360 degree revolving feature along with height adjustability one Way with height adjustment button made of Delrin P 500 & arm top shall be PU material. The mechansim shall possess seat to back recline ratio of 3:7. The Gas Lift used shall be class 4 tested as per ANSI BIFMA standards. Nylon Base to be provided. Twin castors 50 mm dia with PA6 material complying to ANSI/ BIFMA X 5.1 2017 standards. The base shall be 660 mm PCD (26 inches) five pronged bases made up of PA6, 30% glass filled reinforced with bottom ribbing for additional buttress and strength. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	6	NOS.	16,874.00	1,01,244
61	<b>Visitor Chair for Secretarial Staff</b>	The overall size of Chair shall be : Total height 930 +/-5 mm, Back Width 415 mm at Top and 450mm at bottom, Seat Width 480 +/-5 mm, Seat Depth 440+/-5 mm and Seat height 470mm +/-5mm . And over all chair width should be 560 +/-5mm and Overall chair depth should be 600 +/-5mm. Seat should be made up of foam pre moulded at 55 kg/m3 density. hardness of 25+ 3kgf at 50% deflection conforming to IS 3400. Seat shall be upholstered with micro fabric 100% polyester 180 GSM abrasion > 50000 cycles. No flaming or progressive smoldering within one hour of placement of the cigarettes. Fire rated fabric confirming to BS EN 1021 (match) should be used. The chair shall be supplied with Mesh Back rest. The Chair should be provided with 31*16*1.6 oval tube understructure shall connected with 4 PVC leg shoes. Understructure shall powder coated upto 40microns. PP Fixed arms connected to seat and back. The armrests shall be fixed with seat & back in such a way that the contour of the back matches the contour of back frame The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	12	NOS.	10,185.76	1,22,229
62	<b>Low height Storage for Documents , 900 x 450 x 1200</b>	The overall size shall be 900 x 450 x 1200 (WDH) mm. Top shall be made up of 18 mm thick pre laminated particle board E1 norms, Back shall be made up of 9 mm thick pre laminated particle board with 2mm PVC edge lipping, Shutters shall be made up of 18 mm thick pre laminated particle board. Edge: All exposed shall be sealed with 2mm thick PVC edge lipping. The hinged doors top shall be provided with finger groove handle-less design for a streamlined look. Finger groove shall be created by providing a reverse tapered profile edge of 6mm straight surface & 12 mm tapered towards inside at 45 degree & then sealed with minimum 2mm thick PVC lipping on automatic machine. Suitable lock shall be provided. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	0	NOS.	11,682.00	-
63	<b>Low height Storage for Documents , 1050 x 450 x 1200</b>	The overall size shall be 1050 x 450 x 1200 (WDH) mm. Top shall be made up of 18 mm thick pre laminated particle board E1 norms, Back shall be made up of 9 mm thick pre laminated particle board with 2mm PVC edge lipping, Shutters shall be made up of 18 mm thick pre laminated particle board. Edge: All exposed shall be sealed with 2mm thick PVC edge lipping. The hinged doors top shall be provided with finger groove handle-less design for a streamlined look. Finger groove shall be created by providing a reverse tapered profile edge of 6mm straight surface & 12 mm tapered towards inside at 45 degree & then sealed with minimum 2mm thick PVC lipping on automatic machine. Suitable lock shall be provided. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	0	NOS.	13,570.00	-

64	<b>Compactor Bodies for Document Storage (Two Bay Configuration)</b>	Providing and fixing in position of the Mobile Compactor Storage Unit as per the specification & size as prescribed below. Construction:- All the part items, like front mechanism box, shelvings, clading sheet etc. shall be made out of superior quality of CRCA sheets. The compactor should consist of storage units of 380mm deep, movable and bolted to undercarriage which rolls on the channels and firmly embedded to the ground. The size of each storage body shall be of width 915 mm, depth 380 mm and a height of 1980 mm (overall variance +/- 50 mm) including the storage body height with undercarriage The main body should be rigid knock down construction is made of out of Side /tack/top Panels made up of minimum 0.8mm thick CRCA steel. Each body block should consists of onesingle fixed unit, one double mobile one single mobile unit and add on as per site conditions and each unit should have 5 loading levels formed by 4 nos of adjustable shelves. The storage body units shall be bolted to the undercarriage. The shelf panel of storage unit should be made of 0.8mm thick CRCA steel to take the maximum load bearing capacity of 40-50 Kg uniformly distributed per shelf. The shelves should be mounted on support brackets & its level should be adjustable. There should be 4 adjustable shelves per body giving 5 loading levels. The under carriage should be made with HR sheet min 2.5 min suitably fabricated using welding to take the loads. The MSU should be running on a guidetrack of size 28 mm M.S. round with necessary bracing/channel and base plate. Rails should be 25 mm square bright bar. The bodies including shelves and undercarriages should be given 7 tank antirust surface treatments and finished with powder coating using epoxy polyester powder of 50-60microns. A centralized or independent locking arrangement should be provided through the locking stiffener mounted onto back of single last unit so that it gets locked on channels when all the units are brought together. All the' units should be provided with chrome plated handles. All the MSU should be provided with the features such as mechanical drive with a handle for mechanically assisted drive mechanism consisting of a series of sprocket and chain mechanism for smooth movement of the compactor with minimum effort. It should be fitted with safety guard which is to be engaged when entering the common aisle. This should prevent from operating system when an individual is in the working aisle. The guide track should be provided with an end stopper to avoid derailment of the units. it should be provided with the label holders. Qty mentioned is for single body including entire accessories and mechanism to enable its placement & usage. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	25 NOS.	48,872.50		12,21,813
65	<b>Personal Locker Units with RFID &amp; Battery</b>	Overall Size : 380 x 450 x 1850 (WDH)mm. Manufacturing and supplying of 4 door Locker Unit made of 100% virgin Epoxy Powder Coated CRCA confirming to IS : 513 CR2 (Cold Reduced Carbon Steel Sheets & Strips (Part 1), 2016. Complete material should passes through 7 stage, based Pre-treatment plant prior to powder coating, making it highly corrosive resistant. Construction shall be rigid Know Down from complete 0.8 mm thick CRCA sheet. Each Compartment Shelf shall have uniformly distributed load capacity per shelf is 35 kg. Level lock shall be provided with recessed handle. Locker unit shall be provided with RFID battery system. The OEM shall have ISO 9001, ISO 14001, BIFMA Level 2 certification and Green Guard Gold Certification from valid source.	0 NOS.	61,006.00		-
66	<b>Designer Storage unit for Cabins</b>	Supply and fixing of full height storage units (upto 450mm depth) made out of 18mm plywood finished with approved .8mm laminate on the inside and outside. Hardware used of Hettich make.Complete as per the direction of Engineer in charge	1500 SFT	1,652.00		24,78,000
67	<b>Storage init shelves for Cabins</b>	Supply and fixing of full height storage units (upto 450mm depth) made out of 18mm plywood finished with approved .8mm laminate on the exposed surface with LED lights in the shelves. Hardware used of Hettich make.Complete as per the direction of Engineer in charge	1000 SFT	1,829.00		18,29,000
<b>TOTAL</b>						<b>2,16,84,398.60</b>



**SCHEDULE OF QUANTITIES - SIGNAGE**

S NO	DSR/ MR	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT	AMOUNT
						DSR	NON DSR
1	MR	Providing and fixing of signage made out of acrylic sheets of 6mm thickness. Height of each letter will be 450mm and in width proportionally. Letters to be fixed on the partition using industrial grade adhesive. Depth of each letter to be 75mm	6	Nos	10000.00		60,000.00
2	MR	Providing and fixing of signage made out of acrylic sheets of 6mm thickness. Height of each letter will be 250mm and in width proportionally. Letters to be fixed on the partition using industrial grade adhesive. Depth of each letter to be 36mm	6	Nos	7000.00		42,000.00
3	MR	Providing and fixing of signage for bathroom doors, server room etc made out of laser cut SS sheet of 2mm thickness and size 300mmx150mm powder coated to black	40	Nos	5000.00		2,00,000.00
4	MR	Providing and fixing of signage for fire exit signage of laser cut SS sheet of 2mm thickness and size 300mmx150mm powder coated to black	8	Nos	5000.00		40,000.00
<b>TOTAL</b>							<b>3,42,000.00</b>

SCHEDULE OF QUANTITIES - FIRE ALARM							
S NO	DSR/MR	DESCRIPTION	QUAN TITY	UNIT	RATE	AMOUNT DSR RATE	AMOUNT NON DSR
	DSR 2023 VOL-1						
1	MR	SITC of UL268 10th edition compliance and FM approved Intelligent Addressable multi-criteria detector (optical and thermal sensors) complete with standard base, facility to mount in different comprehensive environment, Tri-color detector-status LED with 360 ° view, microprocessor circuitry with error check; detector self-diagnostics and supervision programs,Rate-of-Rise Detection: 15°F / min. (8.3°C / min.) - Fixed: 135°F (57°C) , Field programmable as rate-of-rise or fixed temperature, Polarity insensitive, Superior EMI and RFI immunity, RoHS compliant. Detector shall have in-built isolator for better reliability, circuit integrity and advanced fault finding. Manufacturers not having in-built Isolator feature in detector shall consider Isolator base in place of standard base OR separate Isolator before and after every detector to comply the same without any extra cost. It shall be includesurface/recessed MS Box complete with all connections etc as required.	Nos	140.00	3,537.80		4,95,292.00
2	MR	Supplying, installation, testing & commissioning of response indicator on surface/recessed MS Box having two LED, metallic cover complete with all connections etc as required.	Nos	140.00	185.31		25,943.00
3	MR	SITC of UL Listed and FM approved Intelligent Addressable Rate of Rise and Fixed temperature detector complete with standard base, Seven (7) field-selectable settings in a temperature range of 135°F – 174°F (57.2°C – 78.9°C) , a low-temperature warning of 40°F (4.4°C), facility to mount in different comprehensive environment, Tri-color detector-status LED with 360 ° view, microprocessor circuitry with error check; detector self-diagnostics and supervision programs, Field programmable as rate-of-rise or fixed temperature, Polarity insensitive, Superior EMI and RFI immunity, RoHS compliant. Detector shall have in-built isolator for better reliability, circuit integrity and advanced fault finding. Manufacturers not having in-built Isolator feature in detector shall consider Isolator base in place of standard base OR separate Isolator before and after every detector to comply the same without any extra cost.	Nos	2.00	2,906.05		5,812.10
4	MR	Supplying, installation, testing & commissioning of fault isolator complete with base as required.	Nos	50.00	-		-
5	MR	SITC of UL Listed Sounder cum Strobe rated at 75 dBA @ 3m for Audible annunciation and 75cd flashintg at 1 Hz for visual indication.	Nos	4.00	8,254.86		33,019.45
6	MR	SITC of UL listed and FM approved Intelligent addressable Class X type (Style 7), Control Module with built in dual isolator, polarity insensitive, Tri color LED for status (Green for Normal, Yellow for Faulty and RED for activation), Operating Temp and RH: 0-49 deg C and <=95%. Module shall have in-built isolator for better reliability, circuit integrity and advanced fault finding. Manufacturers not having in-built Isolator feature shall provide separate Isolator before and after every Module to comply the same without any extra cost. (For AHU & Staircase Pressurization Fans, Hooters/ Sounders/ Strobes etc.)	Nos	4.00	5,685.75		22,743.00
7	MR	Supplying, installation, testing & commissioning of addressable phone control module complete as required.	Nos	4.00	5,685.75		22,743.00

8	MR	SITC of UL listed and FM approved Intelligent addressable Class X type (Style 7), Monitor Module with built in dual isolator, polarity insensitive, Tri color LED for status (Green for Normal, Yellow for Faulty and RED for activation), Operating Temp and RH: 0-49degC and <=95%. Module shall have in-built isolator for better reliability, circuit integrity and advanced fault finding. Manufacturers not having in-built Isolator feature shall provide separate Isolator before and after every Module to comply the same without any extra cost. (For Flow Switch Monitoring/ Gass suppression Integration etc.)	Nos	4.00	4,295.90	17,183.60
9	MR	SITC of UL268 10th edition compliance and FM approved Intelligent Addressable Duct detector with 10ft sampling pipe (optical and thermal sensors) complete with standard base, facility to mount in different comprehensive environment, Tri-color detector-status LED with 360 ° view, microprocessor circuitry with error check; detector self-diagnostics and supervision programs, Rate-of-Rise Detection: 15°F / min. (8.3°C / min.) - Fixed: 135°F (57°C) , Field programmable as rate-of-rise or fixed temperature, Polarity insensitive, Superior EMI and RFI immunity, RoHS compliant. Detector shall have in-built isolator for better reliability, circuit integrity and advanced fault finding. Manufacturers not having in-built Isolator feature in detector shall consider Isolator base in place of standard base OR separate Isolator before and after every detector to comply the same without any extra cost.	Nos	4.00	18,573.45	74,293.80
10	MR	SITC of UL listed and FM approved Intelligent addressable Class X type (Style 7), Manual Pull Station Single Action, Shock and Vibration Resistant, with built in dual isolator, polarity insensitive, Tri color LED for status (Green for Normal, Yellow for Faulty and RED for activation), T-45 Key Reset lockset for easy maintenance, Operating Temp and RH: 0-49degC and <=95%. MCP shall have in-built isolator for better reliability, circuit integrity and advanced fault finding. Manufacturers not having in-built Isolator feature shall provide separate Isolator before and after every MCP to comply the same without any extra cost.	Nos	4.00	6,064.80	24,259.20
11	MR	Supplying, installation, testing & commissioning of 8 zone, voice alarm controller with USB, MP3 player (including 8 zone button paging station) with seamless integration facility with main fire alarm panel for voice evacuation. 3. The controller shall comply standards of BS EN54-32 & EN608409, Controller shall have AC 230V and DC24V battery input. Auto switch into the battery backup when AC fails.	Nos	1.00	2,65,840.40	2,65,840.40
12	MR	Supplying, installation, testing & commissioning of 1.5/3/6W ceiling speaker complete as required.	Nos	90.00	1,330.89	1,19,780.00
13	MR	Supplying, installation, testing & commissioning of Digital Amplifier Single Channel complete as required.	Nos	1.00	1,29,141.48	1,29,141.48
14	MR	Supplying & laying of 2x1.5 sqmm fire alarm FS armoured cable, 600/1000V rated with annealed copper conductor having XLPE insulation, steel wire armouring & FS outer sheath complete as required	Mtr	1,400.00	240.91	3,37,268.00
15	MR	Supplying and drawing of cable Fire Retardant PVC insulated copper conductor cable in the existing surface / recessed steel conduit of following pairs, cores and size including connections and interconnections etc. as required. Supplying and Laying of 2x1.5sqmm FS unarmoured cable	Mtr	1,080.00	207.48	2,24,073.00
16	MR	Supplying and fixing 25 mm dia MS flexible pipe with PVC coating along with all ancillaries and accessories like coupler etc. as required.	Mtr	1,080.00	72.00	77,760.00
17	MR	Supplying & Fixing of battery operated illuminated "EXIT" signage, with 2hrs power Battery backup complete as required.	Nos	10.00	4,043.20	40,432.00

18	MR	SITC of Remote Paging Microphone should be fully digital connected via CAT6 Cable with Controller. The Microphone should have capability to make announcement in 96 Zones and have all call facility. The Microphone shall have ability to control music and should be able to route the music in zones. Microphone should have maximum zones capacity up to 120 Zones. The Microphone should have LED indication for the different faults, the unit shall be able to indicate AC, DC, Fault, Mic and Test status through LED.. The Unit shall have 2 RJ45 ports for Microphone so that the other microphone shall be able to link with the unit. The Microphone shall have ability to Communication limit up to 600 Meters	Nos	1.00	1,52,883.50		1,52,883.50
19	MR	Supply, Installation, Testing and Commissioning of Interface Card for BMS fire integration compatible with existing system	Nos	1.00	1,76,890.00		1,76,890.00
20	MR	Supply, Installation, Testing and Commissioning of repeater panel having 160 character display with backlit control compatible with existing system	Nos	3.00	91,813.49		2,75,440.47
21	MR	SITC of UL864 10th Edition UL Listed and FM approved Analog Addressable 4 Loop Fire Alarm control panel. Panel shall be running on full digital protocol with 32 bit Microprocessor . The Panel shall be complete with 6" color touch screen LCD Display. Fire alarm panel should have minimum capacity of 2500 detectors and devices in any combination and capable of making upto 50 loops in single panel using additional Loop cards. Each addressable loop shall be capable of taking 250 addresses per loop configuring either as all detectors or modules or any mix of both. The panel shall have the Fire Fighter Touch Screen Graphical Display panel to inform & guide Fire Fighters for carrying out Fire Fighting operations. The display shall have Hazmat icons indicating the presence of any explosive gas, liquids, poison, fumes etc. If this feature is not available in fire alarm panel then additional fire fighter touch panel along with necessary hardware and software should be provided by the manufacturers for fire fighters to guide them during emergency without any extra cost. To expedite system troubleshooting, the system cards shall have ground fault detection and diagnostic LEDs by card. In the display, simple building floor plan can be loaded in bitmap or jpeg format, On the map, the user will see an icon indicating the location of the event in the building in addition to a 'You-Are-Here' symbol to tell the responding person exactly where they are in the building in relation to the event. The system shall be polarity insensitive. The panel shall support degrade mode operation and shall have battery backup of 24 hrs in normal condition and 30 minutes in Alarm condition.	Nos	1.00	4,22,009.00		4,22,009.00
<b>TOTAL</b>							<b>29,42,807.01</b>

SCHEDULE OF QUANTITIES: FIRE PIPING, HYDRANTS, SPRINKLERS AND ACCESSORIES							
S No	DSR 2022/ MR	DESCRIPTION	QTY	UNIT	RATE	TOTAL AMOUNT	TOTAL AMOUNT
						DSR (INR)	NON-DSR (INR)
1	18.7	Providing, laying, testing & commissioning of 'C' class heavy duty MS pipe conforming to IS 3589/IS 1239 including Welding, fittings like elbows, tees, flanges, tapers, nuts bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with two or more coats of synthetic enamel paint of required shade complete as required :					
	18.7.1	25 mm dia	100	m	744.00	74400.00	
	18.7.2	32 mm dia	50	m	851.00	42550.00	
	18.7.3	40 mm dia	50	m	1034.00	51700.00	
	18.7.4	50 mm dia	20	m	1281.00	25620.00	
	18.7.5	65 mm dia	20	m	1614.00	32280.00	
	18.7.6	80 mm dia	5	m	1885.00	9425.00	
	18.7.7	100 mm dia	5	m	2555.00	12775.00	
2	18.21	Providing, fixing, testing & commissioning of 15mm dia quartzoid bulb type sprinklers of rating 68 degree centigrade with required accessories :					
	18.21.1	Pendant type	350	Each	522.00	182700.00	
3	18.25	Supplying, installation, testing & commissioning of sprinkler flexible pipe (UL Listed) of stainless steel complete with 15 NPT on reducer thread with maximum working pressure of 175 PSI test pressure of 875 PSI (Burst) with branch line (Inlet) 25mm NPT male thread to sprinkler head (Outlet) 15mm NPT female thread with reducer, nipple, 2 side brackets, center bracket, stockbar of following sizes complete as required.					
	18.25.3	1200 mm	12	Each	1670.00	20040.00	
	18.25.4	1500 mm	350	Each	1833.00	641550.00	
4	MR	Providing and fixing ISI Marked of approved make Fire Extinguishers complete with all accessories as per manufacturer's specifications.					
a)		CO <sub>2</sub> gas nozzle type - 9 Litre capacity (IS:15683).	4	NOS	12912.00		51648.00
b)		Mechanical Foam gas cartridge type. 9 Kg capacity (IS:15683).	4	NOS	2932.00		11728.00
c)		ABC dry powder stored pressure type 6 kg capacity (IS:15683).	4	NOS	4746.00		18984.00
		<b>TOTAL</b>	<b>37</b>			<b>1093040.00</b>	<b>82360.00</b>







SCHEDULE OF QUANTITIES - SANITARY & PLUMBING WORKS							
DSR NO	S NO	DESCRIPTION	UNIT	QUANTITY	RATE	TOTAL AMOUNT	TOTAL AMOUNT
2023						DSR (INR)	NON-DSR (INR)
MR	1	Supply, Installation, Testing and Commissioning of SINGLE LEVER CONCEALED BASIN MIXER (WALL MOUNTED) WITH SPOUT (COMPOSITE ONE PIECE BODY)	EACH	5	12952.00		64760.00
MR	2	Supply, Installation, Testing and Commissioning of TABLE TOP BASIN, SIZE: 630x460x130mm	EACH	5	14391.00		71955.00
MR	3	Supply, Installation, Testing and Commissioning of suitable compatible WASTE COUPLING 32MM-FULL THREAD- WITH CERAMIC CAP-*130MM HEIGHT *65MM CERAMIC CAP	EACH	5	1871.00		9355.00
MR	4	Supply, Installation, Testing and Commissioning of BOTTLE TRAP (WITH INTERNAL PARTITION) 32mm SIZE WITH 300mm & 190mm LONG WALL CONNECTION PIPES & WALL FLANGE	EACH	5	2518.00		12590.00
MR	5	Supply, Installation, Testing and Commissioning of RIMLESS, BLIND INSTALLATION WALL HUNG WC WITH UF SOFT CLOSE SLIM SEAT COVER, HINGES AND ACCESSORIES SET, SIZE: 375X520X400 MM	EACH	3	10793.00		32379.00
MR	6	Supply, Installation, Testing and Commissioning of PNEUMATIC CONTROL PLATE	EACH	3	5037.00		15111.00
MR	7	Supply, Installation, Testing and Commissioning of ANGULAR STOP COCK WITH WALL FLANGE	EACH	3	3598.00		10794.00
MR	8	Supply, Installation, Testing and Commissioning of CONCEALED STOP COCK WITH ADJUSTABLE WITH WALL FLANGE 15mm	EACH	3	3598.00		10794.00
MR	9	Supply, Installation, Testing and Commissioning of HAND SHOWER (HEALTH FAUCET) WITH 8mm DIA 1.2 METER LONG FLEXIBLE TUBE AND WALL HOOK ALD-CHR-573 or equivalent	EACH	3	1727.00		5181.00
MR	10	Supply, Installation, Testing and Commissioning of PNEUMATIC SINGLE PIECE SLIM CONCEALED CISTERN BODY WITH INSTALLATION KIT & "S-TYPE" DRAIN PIPE CONNECTION SET FOR WALL HUNG WC (WITHOUT FLUSH CONTROL PLATE)	EACH	3	5756.00		17268.00
17.28	11	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.					
17.28.2		Flexible pipe					
17.28.2.1		32mm dia	EACH	6	119.55	717.30	
17.31	12	Providing and fixing mirror of superior glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	EACH	5	1607.95	8039.75	
18.53	13	Providing and fixing C.P. brass angle valve for basin mixer and gyser points of approved quality conforming to IS : 8931					
18.53.1		15 mm nominal bore	EACH	24	574.30	13783.20	
17.61	14	Cutting chases in brick masonry walls for following diameter sand cast iron/centrifugally cast (spun) iron pipes and making good the same with cement concrete 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 12.5 mm nominal size) including necessary plaster and pointing in cement mortar 1:4 (1 cement : 4 coarse sand) :					
17.61.1		100 mm dia	METRE	10	713.20	7132.00	
18.76	15	Cutting holes upto 30x30cm in walls including making good the same.					
18.76.1		With common burnt clay F.P.S. (non modular) bricks	EACH	10	416.80	4168.00	
18.78	16	Making chases upto 7.5 X 7.5 cm in walls including making good and finishing with matching surface after housing G.I. pipe etc.	METRE	10	202.90	2029.00	
18.7	17	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.					
		Internal work - Exposed on wall					
18.7.2		20mm nominal outer dia pipes	METRE	60	335.00	20100.00	
18.7.3		25mm nominal outer dia pipes	METRE	60	401.55	24093.00	










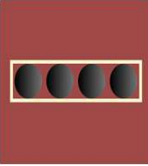


18.7.4		32mm nominal outer dia pipes	METRE	10	518.75	5187.50	
18.7.5		40mm nominal outer dia pipes	METRE	10	702.95	7029.50	
18.7.6		50mm nominal outer dia pipes	METRE	10	934.15	9341.50	
18.8	18	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.					
		Concealed work including cutting chases and making good the walls etc.,					
18.8.1		15mm nominal outer dia pipes	METRE	30	497.80	14934.00	
18.8.2		20mm nominal outer dia pipes	METRE	20	537.60	10752.00	
18.8.3		25mm nominal outer dia pipes	METRE	10	627.25	6272.50	
18.8.4		32mm nominal outer dia pipes	METRE	10	739.30	7393.00	
18.51	19	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.					
18.51.1		15 mm nominal bore	EACH	1	798.95	798.95	
MR	20	Providing, fixing, jointing and testing in position of ISI marked UV stabilized <b>UPVC pipes for soil, waste, and vent, Type-B</b> as per IS : 13592 suitable for rubber ring joints, including all necessary specials and fittings (confirming to IS:14735) i.e. bends, tees, junctions (with or without doors), reducers, WC connectors, couplers, expansion joints / bellows, cowels, clamps, rubber rings, clean outs etc. fixing at wall/ ceiling/ floor level supported by clamp & hangers etc. in concealed / inside duct / under floor & basement ceiling / external work etc. including chase cutting as required, excavation and back filling in all kind of soils, suspended from floor under false ceiling or embedding the pipes laid under floors / building in 75 mm. around 1:2:4 cement concrete (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including cost of shuttering for proper completion of the work, breaking and making good the walls and floors etc. after pipes have been duly laid and tested. The rubber ring shall confirm to IS:5382.					
		The Pipes will be supported with threaded G I rods & U clamps with nuts, washers etc on 50x50x5 mm slotted angle. The cost will include all support arrangements. The work includes commissioning of all pipes lines as per drawings and specifications and as directed by engg-in-charge at site.					
a		110 mm dia (Wall Thickness - 3.2 to 3.8 mm)	METRE	80	396.00		31680.00
b	75 mm dia (Wall Thickness - 3.2 to 3.8 mm)	METRE	20	416.00		8320.00	
MR	21	Providing, fixing, jointing and testing in position ISI marked (IS:4985) <b>UPVC pipes of min 6 Kg/Sqcm</b> rating with fitting for waste pipe from fixtures to floor trap including reduces, enlarger, socket, couplers, bends, tees etc including fixing at wall/ ceiling level supported by clamp & hangers etc. cutting holes in wall/ floors/ slabs and making good the same with cement concrete 1:2:4 complete as required. 32 mm dia.	METRE	6	101.00	606.00	
MR	22	Providing & fixing <b>UPVC Floor trap</b> of self cleansing design with stainless steel grating complete in all respects. Plain Floor Trap (4" Ht) with 50 / 75 outlet and with height raiser	EACH	8	425.00		3400.00
MR	23	Extra for providing & fixing 125 mm dia <b>C.P. grating</b> in place of C.I. grating over floor traps.	EACH	8	576.00		4608.00
MR	24	Providing & fixing of <b>SS Floor Cleanout</b> , round or square with rubber seal and flat round cover with screws and other required fitting complete as required.	EACH	8	734.00		5872.00
MR	25	Supply, Installation, testing and commissioning of toilet waste water super quiet portable pumping station. Pump upto vertical 5 meters and horizontal 100 meter from toilet to vertical shaft with inlet connection in portable pump side inlet of 50, 75, 110 as per requirement to complete the work as per the directions of engineer in charge	EACH	2	43173.00		86346.00




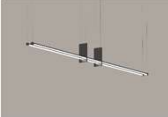

MR	26	Providing and fixing stainless steel tray below sewage pipe of size 200x200x200 mm of grade SS304 including all accessories	METRE	80	2159.00		172720.00
MR	27	Supply, Installation, Testing and Commissioning of HIGH FLOW SINGLE LEVER CONCEALED DIVERTOR FOR BATH & SHOWER	EACH	1	11513.00		11513.00
MR	28	Supply, Installation, Testing and Commissioning of SPOUT FOR BUILT IN BATH/SHOWER MIXER	EACH	1	7195.00		7195.00
MR	29	Supply, Installation, Testing and Commissioning of OVERHEAD SHOWER 350x350MM ROUND EDGE SQUARE HEAD SINGLE FLOW (BODY & FACE PLATE STAINLESS STEEL WITH CHROME PLATED) WITH RUBIT CLEANING SYSTEM	EACH	1	14391.00		14391.00
MR	30	Supply, Installation, Testing and Commissioning of 15 litre geyser	EACH	3	9354.00		28062.00
MR	31	Supply, Installation, Testing and Commissioning of SOAP DISH HOLDER	EACH	1	2878.00		2878.00
MR	32	Supply, Installation, Testing and Commissioning of TUMBLER HOLDER	EACH	1	2878.00		2878.00
MR	33	Supply, Installation, Testing and Commissioning of TOWEL RACK 600MM LONG WITH LOWER HANGER	EACH	1	10074.00		10074.00
MR	34	Supply, Installation, Testing and Commissioning of ROBE HOOK	EACH	1	2045.00		2045.00
MR	35	Supply, Installation, Testing and Commissioning of TOILET ROLL HOLDER WITH COVER	EACH	3	4978.00		14934.00
MR	36	Supply, Installation, Testing and Commissioning of TOWEL HOLDER	EACH	1	3336.00		3336.00
17.10	37	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS: 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :					
17.10.1		Kitchen Sink with Drain Board					
17.10.1.1		510 x1040 mm bowl depth 250 mm	Each	1	6945.60	6945.60	
		<b>TOTAL</b>				<b>148716.80</b>	<b>661045.00</b>

**LIGHTING BOQ**




S NO	Location	DESCRIPTION	Reference Image	UNIT	QTY	RATE	AMOUNT
1	Reception. Cafeteria	<p>SITC of customized Cylindrical Surface Light 12-15 watts as an integrated solution that combines high-performance lighting with tailored size and finish. The suspension system &amp; electrical wire needs to be all-black in color. LED Driver to be housed in separate ceiling canopy for longer life protecting the Driver and COB from each other dissipated heat. CRI - 80. CCT - 3000 or 4000 or 5700 Kelvin, as per architect recommendations. Sketch Lighting make Domo or similar from approved makes.</p> <p>Cylinder Housing Dimensions: Dia: 60-90 mm with 36-40 degree beam angle. Height - 80-150 mm</p> <p>Materials: Light body: Made of aluminum, ensuring lightweight and high heat dissipation for the light engine. Powder coated in Matte Black color High-efficiency Electronic Non Dimmable Light Engine utilizing COBs with &gt; 120 lumens per watt and driver with THD &lt; 15% Suspension system lengths as per site requirements. Clear Glass optics with 36-40 degree beam angle.</p>	 	No's	60	₹ 1,770.00	₹ 1,06,200.00
2	Reception	<p>SITC of customized Pendant complete Alphabet Ring Light 36-40 watts of 600 mm Dia. The body color needs to be Frosted White. LED Drivers should be kept inside the false ceiling near some trap door. CCT - 3000 or 4000 or 5700 Kelvin, as per architect recommendations.</p> <p>Dimensions: Dia: 600 mm Width of Diffuser: 30-35 mm dia Height - 30-35 mm dia</p> <p>Materials: Light Housing: Arcylic &amp; ABS High-efficiency Electronic Non Dimmable LED Light Engine utilizing LEDs with &gt; 100 lumens per watt Installation of this light should be done under the supervision of the lighting manufacturer team. Frosted Diffuser.</p>		No's	2	₹ 16,520.00	₹ 33,040.00
3	CMD/VIP Waiting Area	<p>SITC of customized Cylindrical Surface Light 12-15 watts as an integrated solution that combines high-performance lighting with tailored size and finish. The suspension system &amp; electrical wire needs to be all-black in color. LED Driver to be housed in separate ceiling canopy for longer life protecting the Driver and COB from each other dissipated heat. CRI - 80. CCT - 3000 or 4000 or 5700 Kelvin, as per architect recommendations. Sketch Lighting make Domo or similar from approved makes.</p> <p>Cylinder Housing Dimensions: Dia: 60-90 mm with 36-40 degree beam angle. Height - 80-150 mm</p> <p>Materials: Light body: Made of aluminum, ensuring lightweight and high heat dissipation for the light engine. Powder coated in Matte Black color High-efficiency Electronic Non Dimmable Light Engine utilizing COBs with &gt; 120 lumens per watt and Electronic Non Dimmable driver with THD &lt; 20% Suspension system lengths as per site requirements. Clear Glass deflector optics with 36-40 degree beam angle.</p>		No's	15	₹ 2,478.00	₹ 37,170.00
4	CMD Cabin, Independent Director Cabin	<p>SITC of customized Cylindrical Surface Light 12-15 watts as an integrated solution that combines high-performance lighting with tailored size and finish. The suspension system &amp; electrical wire needs to be all-black in color. LED Driver to be housed in separate ceiling canopy for longer life protecting the Driver and COB from each other dissipated heat. CRI - 80. CCT - 3000 or 4000 or 5700 Kelvin, as per architect recommendations. Sketch Lighting make Domo or similar from approved makes.</p> <p>Cylinder Housing Dimensions: Dia: 60-90 mm with 36-40 degree beam angle. Height - 80-150 mm</p> <p>Materials: Light body: Made of aluminum, ensuring lightweight and high heat dissipation for the light engine. Powder coated in Matte Black color High-efficiency Electronic Non Dimmable Light Engine utilizing COBs with &gt; 120 lumens per watt and Electronic Non Dimmable driver with THD &lt; 20% Suspension system lengths as per site requirements. Clear Glass deflector optics with 36-40 degree beam angle.</p>	 	No's	30	₹ 2,478.00	₹ 74,340.00

5	CMD, Independent Director	<p>SITC of customized Linear Pendant Leather Light 40-50 watts with man made leatherite on the Surface of the profile. The system should ensure a seamless design using uniform dimensions and materials for lighting, eliminating aesthetic inconsistencies. Similar to Sketch Lighting make SL 5070 Leather or equivalent from approved makes.</p> <p>Dimensions: Length: 2000-2400 mm Width: 50-70 mm. Height: 70-80 mm</p> <p>Materials: Lighting Element: Made of Aluminium, ensuring lightweight and easy heat dissipation for the light engine. Surface Finish: Finished in TAN Leather (Man-Made). High-Efficiency Electronic Non Dimmable Light Engine utilizing LEDs with &gt; 110 lumens per watt Suspension system: Single Pipe Suspension System as per site requirements. Prismatic Diffuser</p>		No's	2	₹ 41,300.00	₹ 82,600.00
6	CVO & Directors	<p>SITC of customized Linear Pendant Darklighter Loop with 35-40 watts per mtr, with as an integrated solution that combines high-performance lighting with wide distribution. Similar to Sketch Lighting make Blade Linear Darklighter Loop or equivalent from approved makes.</p> <p>Dimensions: Length x width of loop: approx 6500 x 2400 mm Profile Width: 30-40 mm. Height: 70-90 mm</p> <p>Materials: Lighting Element: Made of Aluminium, ensuring lightweight and easy heat dissipation for the light engine. Surface Finish: Finished in Matte Black. High-Efficiency Electronic Non Dimmable Light Engine utilizing LEDs with &gt; 120 lumens per watt Suspension system: as per site requirements. Prismatic Diffuser or Dark Louvers.</p>		No's	4	₹ 1,18,000.00	₹ 4,72,000.00
7	All Cabins, Meeting Rooms, etc	<p>SITC of Recessed 12-15 Watts Downlight with deep diffuser for wide spread with low glare. CRI - 80. CCT - 3000 or 4000 or 5700 Kelvins per architect recommendations. With Narrow &lt;6mm Trim for a neat look post installation. Sketch Lighting make Ares or similar from approved makes. General Contractor should make the false ceiling cutouts using proper tools to ensure neat installation in case of narrow trim product.</p> <p>Housing Dimensions: Dia: 155 mm. Height - &lt;56 mm</p> <p>Materials: Light Housing: Made of diecast aluminum, ensuring lightweight and high heat dissipation for the light engine. Powder coated in Matte White color High-efficiency Electronic Non Dimmable Light Engine utilizing LEDs with &gt; 120 lumens per watt and Electronic Non Dimmable driver with THD &lt; 10%</p>		No's	230	₹ 1,404.20	₹ 3,22,966.00
8	Recessed Down lighters for Pantry, UPS Room, etc	<p>SITC of Recessed 12-15 Watts Downlight with deep diffuser for wide spread with low glare. CRI - 80. CCT - 3000 or 4000 or 5700 Kelvins per architect recommendations. With Narrow &lt;6mm Trim for a neat look post installation. Sketch Lighting make Ares or similar from approved makes. General Contractor should make the false ceiling cutouts using proper tools to ensure neat installation in case of narrow trim product.</p> <p>Housing Dimensions: Dia: 155 mm. Height - &lt;56 mm</p> <p>Materials: Light Housing: Made of diecast aluminum, ensuring lightweight and high heat dissipation for the light engine. Powder coated in Matte White color High-efficiency Electronic Non Dimmable Light Engine utilizing LEDs with &gt; 120 lumens per watt and Electronic Non Dimmable driver with THD &lt; 10%</p>		No's	20	₹ 1,062.00	₹ 21,240.00
9	All Toilets & Ante Rooms	<p>SITC of Recessed 8-10 Watts Downlight with deep diffuser for wide spread with low glare. CRI - 80. CCT - 3000 or 4000 or 5700 Kelvins per architect recommendations. With Narrow &lt;6mm Trim for a neat look post installation. Sketch Lighting make Ares or similar from approved makes. General Contractor should make the false ceiling cutouts using proper tools to ensure neat installation in case of narrow trim product.</p> <p>Housing Dimensions: Dia: 120 mm approx Height - &lt;56 mm</p> <p>Materials: Light Housing: Made of diecast aluminum, ensuring lightweight and high heat dissipation for the light engine. Powder coated in Matte White color High-efficiency Electronic Non Dimmable Light Engine utilizing LEDs with &gt; 120 lumens per watt and Electronic Non Dimmable driver with THD &lt; 10%</p>		No's	60	₹ 1,268.50	₹ 76,110.00

10	VIP Meeting Room	<p>SITC of customized Pendant complete Alphabet Ring Light 50-60 watts of 900 mm Dia. The body color needs to be Frosted White. LED Drivers should be kept inside the false ceiling near some trap door. CCT - 3000 or 4000 or 5700 Kelvin, as per architect recommendations.</p> <p>Dimensions: Dia: 900 mm Width of Diffuser: 30-35 mm dia Height - 30-35 mm dia</p> <p>Materials: Light Housing: Arcylic &amp; ABS High-efficiency Electronic Non Dimmable LED Light Engine utilizing LEDs with &gt; 100 lumens per watt Installation of this light should be done under the supervision of the lighting manufacturer team. Frosted Diffuser.</p>		No's	3	₹ 37,760.00	₹ 1,13,280.00
11	Board Room	<p>SITC of customized Linear Pendant Continuous Diffused Light 24-30 watts per mtr, as an integrated solution that combines high-performance lighting for volumetric illumination.</p> <p>Dimensions: Length: as per site requirements Width: 50 mm. Height: 70-80 mm</p> <p>Materials: Lighting Element: Made of Aluminium, ensuring lightweight and easy heat dissipation for the light engine. Surface Finish: Finished in Matte Black. High-Efficiency Electronic Non Dimmable Light Engine utilizing LEDs with &gt; 140 lumens per watt Suspension system: as per site requirements. Prismatic Diffuser</p>		No's	40	₹ 4,720.00	₹ 1,88,800.00
12	Work stations	<p>SITC of customized Linear Loop Light (30 watts per mtr) + Fixed Acoustic Disc (as per mentioned dimensions) as an integrated solution that combines high-performance lighting with effective acoustic control. The system should ensure a seamless design using uniform dimensions and materials for lighting and acoustic elements, eliminating aesthetic inconsistencies. Similar to Delta make Soliscape or Sketch Lighting make Biovista Pendant or similar from approved brands. NOTE: DEPARTMENT-WISE ACOUSTIC COLOR CODING REQUIRED.</p> <p>Dimensions: Length: 7200 mm (With 4-5 Tiltable Acoustic Discs of Dia not more than 600 mm) Width: as per workstation requirement.</p> <p>Materials: Frame: Fabricated in Aluminium to ensure good heat dissipation for the light engine. Acoustic Element: Constructed from PET panels, specifically tailored to the site requirements and colors as per architect approval, providing excellent sound absorption and acoustic management. High-Efficiency Electronic Non-Dimmable Light Engine utilizing LEDs with &gt; 120 lumens per watt Suspension system as per site requirements. Prismatic/Frosted Diffuser</p>		No's	8	₹ 1,18,708.00	₹ 9,49,664.00
13	CGM 1,2,3	<p>SITC of customized Linear Acoustic + Light 40-50 watts (as per mentioned dimensions) as an integrated solution that combines high-performance lighting with effective acoustic control. The system should ensure a seamless design using uniform dimensions and materials for lighting and acoustic elements, eliminating aesthetic inconsistencies. Similar to Luxbox make Axis 2 or Sketch Lighting make Decibel Criss Cross Pendant or similar from approved brands. NOTE: DEPARTMENT-WISE ACOUSTIC COLOR CODING REQUIRED.</p> <p>Dimensions: approx Length: 2x600 mm (Attached) Width: 50-70 mm. Height: 100 mm</p> <p>Materials: Lighting Element: Made of extruded aluminium, ensuring lightweight and high heat dissipation for the light engine. Acoustic Element: Constructed from polyester fabric and PET panels, specifically tailored to the site requirements and colors as per architect approval, providing excellent sound absorption and acoustic management. High-Efficiency Electronic Non Dimmable Light Engine utilizing LEDs with &gt; 120 lumens per watt Suspension system as per site requirements. Prismatic / Dark Louvers</p>	 	No's	3	₹ 38,350.00	₹ 1,15,050.00

14	Meeting Room	<p>SITC of customized Linear Pendant Continuous Diffused Loop Light with 24-30 watts per mtr. Size: 6000x1500 mm, as an integrated solution that combines high-performance lighting for volumetric illumination.</p> <p>Dimensions: Length x Width of Loop: 6000x1500 mm Width: 50 mm. Height: 70-80 mm</p> <p>Materials: Lighting Element: Made of Aluminium, ensuring lightweight and easy heat dissipation for the light engine. Surface Finish: Finished in Matte Black. High-Efficiency Electronic Non Dimmable Light Engine utilizing LEDs with &gt; 140 lumens per watt Suspension system: as per site requirements. Prismatic Diffuser</p>		No's	1	₹ 59,000.00	₹ 59,000.00
15	Meeting Room	<p>SITC of customized Linear Pendant Continuous Diffused Loop Light with 24-30 watts per mtr. Size: 4500x1200 mm, as an integrated solution that combines high-performance lighting for volumetric illumination.</p> <p>Dimensions: Length x Width of Loop: 4500x1200 mm Width: 50 mm. Height: 70-80 mm</p> <p>Materials: Lighting Element: Made of Aluminium, ensuring lightweight and easy heat dissipation for the light engine. Surface Finish: Finished in Matte Black. High-Efficiency Electronic Non Dimmable Light Engine utilizing LEDs with &gt; 140 lumens per watt Suspension system: as per site requirements. Prismatic Diffuser</p>		No's	1	₹ 56,640.00	₹ 56,640.00
16	GM & AGM	<p>SITC of customized Linear Designer Light 36-40 watts. Similar to Sketch Lighting make Domo Linear or similar from approved brands.</p> <p>Dimensions: Length: 2000-2400 mm Other details as per site requirements.</p> <p>Materials: High-Efficiency Electronic Non Dimmable Light Engine utilizing LEDs with &gt; 120 lumens per watt Suspension system as per site requirements. Frosted Diffuser</p>		No's	2	₹ 33,040.00	₹ 66,080.00
17	DGM & Jt. GM & Company Secretary	<p>SITC of customized Linear Designer Light 40 watts. Similar to Sketch Lighting make Linear Rail or similar from approved brands.</p> <p>Dimensions: Length: 2 Parallel Lengths of 2000 mm Other details as per site requirements.</p> <p>Materials: Electronic Non Dimmable Light Engine utilizing LEDs with &gt; 120 lumens per watt Suspension system as per site requirements. Frosted Diffuser</p>		No's	14	₹ 17,700.00	₹ 2,47,800.00
18	Secretarial Rooms	<p>SITC of customized Linear Light 24-30 watts per mtr as an integrated solution that combines high-performance lighting with Dead Matte Black End Caps. The body color needs to be Dead Matte Black. The light should be jointless 4ft long to ensure a seamless design that eliminates aesthetic inconsistencies or light leakages. The suspension system &amp; electrical wire needs to be all-black in color. CCT - 3000 or 4000 or 5700 Kelvins per architect recommendations.</p> <p>Dimensions: Length: 1200 mm Width: 50 mm Height - 70 mm</p> <p>Materials: Light body: Made of extruded aluminum, ensuring lightweight and high heat dissipation for the light engine. End Caps: Should be made of Metal or ABS. High-Efficiency Non Dimmable Light Engine utilizing LEDs with &gt; 140 lumens per watt</p>		No's	6	₹ 4,248.00	₹ 25,488.00



19	Corridors	<p>SITC or Recessed 12-15 Watts Downlight with deep diffuser for wide spread with low glare. CRI - 80. CCT - 3000 or 4000 or 5700 Kelvins per architect recommendations. With Narrow &lt;6mm Trim for a neat look post installation. Sketch Lighting make Ares or similar from approved makes. General Contractor should make the false ceiling cutouts using proper tools to ensure neat installation in case of narrow trim product.</p> <p>Housing Dimensions: Dia: 155 mm. Height - &lt;56 mm</p> <p>Materials: Light Housing: Made of diecast aluminum, ensuring lightweight and high heat dissipation for the light engine. Powder coated in Matte White color High-efficiency Electronic Non Dimmable Light Engine utilizing LEDs with &gt; 120 lumens per watt and Electronic Non Dimmable driver with THD &lt; 10%</p>		No's	90	₹ 1,062.00	₹ 95,580.00
20	Cafeteria Counter	<p>SITC of customized Designer Ring in Cone pendant Light 12-15 watts developed taking inspiration from the image. Aluminium Body. Frosted Ring Light with Electronic Non Dimmable LED Driver. Approx 150-200 mm Dia The suspension system &amp; electrical wire needs to be all-black in color. CCT - 3000 Kelvin.</p>		No's	3	₹ 5,900.00	₹ 17,700.00
21	CMD/ Indp Director/ CVO/ Directors/ CGM/ VIP Waiting Area	<p>SITC of customized Designer Table Lamp with E27 - 15 watts LED developed taking inspiration from the image. Metal Base with Fabric Shade. E27 Frosted LED Lamp. Approx 480-500 mm Total Height of Table Lamp. Fabric Shade 300-350 mm Dia &amp; 200-250 mm Height. The Body Color and Fabric Color should be as recommended by the Architect. CCT - 2700-3000 Kelvin.</p>		No's	0	₹ 17,110.00	₹ 0.00
		TOTAL					₹ 31,60,748.00



**SCHEDULE OF QUANTITIES - ELECTRICAL WORKS**

S NO	DSR NO 2022	DESCRIPTION	UNIT	QUANTITY	RATE	TOTAL AMOUNT	TOTAL AMOUNT
						DSR (INR)	NON-DSR (INR)
<b>A</b>		<b>POINT WIRING</b>					
A.1	1.10	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.					
	1.10.3	Group C	Point	277	1467.00	406359.00	
A.2	1.55	Wiring for group controlled (looped) light point/ fan point/call bell point (without independent switch etc.) with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed PVC conduit, and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.					
	1.55.3	Group C	Point	420	858.00	360360.00	
A.3	1.12	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 1 No 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	Metre	14280	334.00	4769520.00	
A.5	1.24	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.					
	1.24.1	5/6 amps switch	Each	772	103.00	79516.00	
	1.24.3	15/16 amp switch	Each	88	156.00	13728.00	
	1.24.4	3 pin 5/6 amp socket outlet	Each	772	122.00	94184.00	
	1.24.5	6 pin 15/16 amp socket outlet	Each	88	197.00	17336.00	
	1.24.8	Bell Push	Each	20	140.00	2800.00	
A.6	1.26	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	Each	200	40.00	8000.00	
A.7	1.27	Supplying and fixing following size/module, GI box along with Modular base & cover plate on existing modular metal boxes etc. as required.					
	1.27.1	1 or 2 Module	Each	10	298.00	2980.00	
	1.27.2	3 Module	Each	860	327.00	281220.00	
	1.27.3	4 Module	Each	20	343.00	6860.00	
	1.27.4	6 Module	Each	10	402.00	4020.00	
	1.27.5	8 Module	Each	20	454.00	9080.00	
	1.27.6	12 Module	Each	20	547.00	10940.00	
<b>B</b>		<b>SUBMAIN AND CONTROL WIRING</b>					
B.1	1.14	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required					
	1.14.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Metre	100	233.00	23300.00	
	1.14.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Metre	1800	275.00	495000.00	
	1.14.3	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Metre	50	334.00	16700.00	
	1.14.4	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	Metre	50	439.00	21950.00	
	1.14.10	4 X 10 sq. mm + 2 X 6 sq. mm earth wire	Metre	300	1005.00	301500.00	
	1.14.11	4 X 16 sq. mm + 2 X 6 sq. mm earth wire	Metre	200	1365.00	273000.00	
<b>C</b>		<b>CABLES</b>					
C.1	9.1	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.					
	9.1.21	3½ X 35 sq. mm (32mm)	Each	4	369.00	1476.00	
	9.1.25	3½ X 120 sq. mm (45mm)	Each	8	613.00	4904.00	
	9.1.36	3½ X 50 sq. mm (35mm)	Each	4	418.00	1672.00	
	9.1.23	3½ X 70 sq. mm (38mm)	Each	8	468.00	3744.00	
	9.1.24	3½ X 95 sq. mm (45mm)	Each	4	588.00	2352.00	
C.2	MR	Supply of following XPLE armoured 1.1 KV grade conforming to I.S.7098/1554 Aluminium Conductor Cables : Supply of following sizes of PVC sheathed PVC/XLPE insulated Aluminium conductor armoured cable of 1.1 KV grade conforming to IS:7098 part-1 / IS:1554 part-1 respectively & ISI marked.					
	(a)	3.5 C x 120 Sqmm XLPE cable	RM	120	1078.00		129360.00
	(b)	3.5 C x 95 Sqmm XLPE cable	RM	60	864.00		51840.00
	(c)	3.5 C x 70 Sqmm XLPE cable	RM	60	680.00		40800.00
	(d)	3.5 C x 50 Sqmm XLPE cable	RM	60	510.00		30600.00
	(e)	3.5 C x 35 Sqmm XLPE cable	RM	60	378.00		22680.00
C.3	MR	Supply of following sizes of copper cables -PVC sheathed PVC/XLPE insulated Copper conductor armoured cable of 1.1 KV grade conforming to IS:7098 part-1 / IS:1554 part-1 respectively & ISI marked.					
	(a)	4 C x 16 Sqmm XLPE copper cable	RM	250	1446.00		361500.00
	(b)	4 C x 25 Sqmm XLPE copper cable	RM	100	2253.00		225300.00
	(c)	3.5 C x 35 Sqmm XLPE copper cable	RM	50	2686.00		134300.00
	(d)	3.5 C x 50 Sqmm XLPE copper cable	RM	50	3223.20		161160.00
<b>D</b>		<b>DB</b>					
D.1	2.11	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	Each	100	13.00	1300.00	
D.2	2.10	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
	2.10.1	Single pole	Each	750	256.00	192000.00	
D.3	2.13	Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
	2.13.1	40 amps	Each	12	970.00	11640.00	
	2.13.2	63 amps	Each	10	1034.00	10340.00	
	2.13.3	100 amps	Each	1	1227.00	1227.00	

D.4	2.4	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/ RCCB/ Isolator)					
	2.4.3	8 way (4 + 24), Double door	Each	1	5967.00	5967.00	
	MR	12 way (4 + 36), Double door	Each	25	9081.00	227025.00	
D.5	2.14	Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
	2.14.1	25 amps	Each	36	2028.00	73008.00	
	2.14.2	40 amps	Each	30	2642.00	79260.00	
	2.14.3	63 amps	Each	15	2722.00	40830.00	
<b>E</b>		<b>PROVISIONS FOR VOICE, DATA, SECURITY &amp; TV SYSTEMS</b>					
E.1	MR	Supply, installation, testing & Commissioning of 1 module 16A SWITCH SP 1 way for floor box.	Set	12	216.00		2592.00
E.2	MR	Supply, installation, testing & Commissioning of 2 module 16 A Socket for floor box box.	Set	12	577.00		6924.00
E.3	MR	Supply, installation, testing & Commissioning of Specific Backbox for Carpet for Floor Box along with LID and TRIM for tiles/ marble 15 to 20mm thickness material for headband and single cable outlet/ galvanized steel, paint RAL 7031 for floor box.	Set	6	12106.00		72636.00
E.4	MR	Supply, installation, testing & Commissioning of Specific Backbox for Wooden Flooring for Floor Box along with LID and TRIM for tiles/ marble 15 to 20mm thickness material for headband and single cable outlet/ galvanized steel, paint RAL 7031 for floor box.	Set	6	6803.00		40818.00
E.5	MR	Supply, installation, testing & Commissioning of flat support plate 8 module for integration of Mechanism for Floor Box	Set	12	263.00		3156.00
E.6	MR	Supply, installation, testing & Commissioning of waved support plates for 4 module (2x2) modules for Floor Box	Set	12	1533.00		18396.00
E.7	1.24	Supplying and fixing following modular switch / socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.					
	1.24.7	TV socket outlet	Set	48	148.00	7104.00	
E.9	MR	Supply, Installation, Testing and Commissioning of Galvanized Iron (GI) Raceways along with required suitable number of GI couplers for joining raceways and fixing GI brackets and all accessories complete in all respect as per the directions of engineer in charge					
	(a)	300mmx38mm(GI) - 3 compartment	Mtr	180	1738.00		312840.00
	(b)	225mmx38mm(GI) - 3 compartment	Mtr	100	1420.00		142000.00
	(c)	150mmx38mm(GI)	Mtr	200	869.00		173800.00
	(d)	100mmx38mm(GI)	Mtr	100	658.00		65800.00
	(e)	75mmx38mm(GI)	Mtr	200	551.00		110200.00
	(f)	50mmx38mm(GI)	Mtr	250	551.00		137750.00
E.10	MR	Supply, Installation, Testing and Commissioning of Junction boxes for direct access to cables at the intersection of raceways supplied completely with base and cover plates, height adjustable junction box 65- 90 mm including all accessories ss plate of 3mm thick complete in all respect as per the directions of engineer in charge					
	(a)	300x 300 x 65-90 mm	Each	30	1079.00		32370.00
	(b)	225x 225x 65-90 mm	Each	10	863.00		8630.00
	(c)	150x 150 x 65-90 mm	Each	200	720.00		144000.00
E.11	1.19	Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface/recessed steel/ PVC conduit as required	Meter	1440	47.00	67680.00	
E.12	1.21	Supplying and fixing of following sizes medium class PVC conduit along with accessories in surface/ recess including cutting the wall and making good the same incase of recessed conduit as required					
	1.21.2	25mm	Metre	1440	145.00	208800.00	
E.13	4.1	Supplying and Installation of following size perforated of painting with powder coating M.S. cable trays of perforation of not more than 17.5% in convenient sections, joined with connectors suspended from the ceiling with MS suspenders including bolts and nuts painting suspenders etc as required					
	4.1.6	450 mm width x 50 mm depth x 2 mm thickness	Metre	5	1137.00	5685.00	
<b>F</b>		<b>EARTHING</b>					
F.1	5.6	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	SET	10	13838.00	138380.00	
F.2	5.14	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	MTR	100	1162.00	116200.00	
F.3	5.15	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	MTR	100	244.00	24400.00	
F.4	5.16	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	MTR	200	70.00	14000.00	
<b>G</b>		<b>PANEL BOARDS</b>					
G.1	MR	<b>UPS Input Panel</b>					
		Designing, fabricating, transporting, unloading, storing, fixing in position, testing and commissioning the following sheet steel cubicle type panels fabricated from 1.6mm thick CRCA sheet, dust and vermin proof, indoor type TPN Panels with hinged lockable doors fabricated from 2mm thick CRCA sheet, suitable for 415V, 3 phase 4 wire 50Hz AC supply with rear access for cable alley and with segregated bus-bar chamber with tinned aluminium bus bar and including supplying and fixing following switchgears, meters and accessories, inter-connections, bonding to earth, powder coated painting and marking as specified. Switch boards complete as per schematic diagram:					
		Type of construction: Form 3					
		IP classification: 42					
		The LT PANEL shall be electrically inter-locked as shown in Schematic diagram and as detailed in the Specifications					
		Colour: Gray Powder Coated, as per approved sample.					
		Incomings:					
		1 nos, 250 Amps. 4 pole MCCB , i.e four pole Moulded Case Circuit Breaker of fault breaking capacity 25 KA (ICS=ICU up to 433 V) complete in all respect					
Bus Bars:							
TPN aluminum bus bars of minimum of 320 Amps capacity with heat shrinkable colored sleeves and I/C DMC/SMC bus bars supports at required intervals complete for cross section, size supports & their spacing etc. for withstanding fault level of 25 MVA for 1 Sec.							

		Outgoings:					
		(b) 200 Amps, TPN, MCCB - 1 nos					
		<b>Panel complete as above</b>	Each	1	160000.00		160000.00
G.2	MR	<b>Floor Panels</b>					
		Designing, fabricating, transporting, unloading, storing, fixing in position, testing and commissioning the following sheet steel cubicle type panels fabricated from 1.6mm thick CRCA sheet, dust and vermin proof, indoor type TPN Panels with hinged lockable doors fabricated from 2mm thick CRCA sheet, suitable for 415V, 3 phase 4 wire 50Hz AC supply with rear access for cable alley and with segregated bus-bar chamber with tinned aluminium bus bar and including supplying and fixing following switchgears, meters and accessories, inter-connections, bonding to earth, powder coated painting and marking as specified. Switch boards complete as per schematic diagram:					
		Type of construction: Form 3					
		IP classification: 42					
		The LT PANEL shall be electrically inter-locked as shown in Schematic diagram and as detailed in the Specifications					
		Colour: Gray Powder Coated, as per approved sample.					
		Incomings:					
		1 nos, 250 Amps. 4 pole MCCB , i.e four pole Moulded Case Circuit Breaker of fault breaking capacity 25 KA (ICS=ICU up to 433 V) complete in all respect					
		Bus Bars:					
		TPN aluminum bus bars of minimum of 320 Amps capacity with heat shrinkable colored sleeves and I/C DMC/SMC bus bars supports at required intervals complete for cross section, size supports & their spacing etc. for withstanding fault level of 25 MVA for 1 Sec.					
		Outgoings:					
		(a) 63 Amps, TPN, MCB - 4 Nos.					
		(b) 40 Amps, TPN, MCB - 10 nos					
		<b>Panel complete as above</b>	Each	1	160000.00		160000.00
G.3	MR	<b>UPS Output Panel</b>					
		Designing, fabricating, transporting, unloading, storing, fixing in position, testing and commissioning the following sheet steel cubicle type panels fabricated from 1.6mm thick CRCA sheet, dust and vermin proof, indoor type TPN Panels with hinged lockable doors fabricated from 2mm thick CRCA sheet, suitable for 415V, 3 phase 4 wire 50Hz AC supply with rear access for cable alley and with segregated bus-bar chamber with tinned aluminium bus bar and including supplying and fixing following switchgears, meters and accessories, inter-connections, bonding to earth, powder coated painting and marking as specified. Switch boards complete as per schematic diagram:					
		Type of construction: Form 3					
		IP classification: 42					
		The LT PANEL shall be electrically inter-locked as shown in Schematic diagram and as detailed in the Specifications					
		Colour: Gray Powder Coated, as per approved sample.					
		Incomings:					
		Two (2) nos, 100 Amps. 4 pole MCCB and 2 nos. 63 Amps 4P MCCB, i.e four pole Moulded Case Circuit Breaker of fault breaking capacity 25 KA (ICS=ICU up to 433 V) complete in all respect					
		Bus Bars:					
		TPN aluminum bus bars of minimum of 320 Amps capacity with heat shrinkable colored sleeves and I/C DMC/SMC bus bars supports at required intervals complete for cross section, size supports & their spacing etc. for withstanding fault level of 25 MVA for 1 Sec.					
		Outgoings:					
		(a) 63 Amps, TPN, MCB - 4 nos					
		(b ) 40 Amps, TPN MCB - 10 nos					
		<b>Panel complete as above</b>	Each	1	190000.00		190000.00
H		<b>SAFETY ITEMS</b>					
H.1	2.21	Providing and fixing MV danger notice plate of 200mm x 150mm made of mild steel, atleast 2 mm thick, and vitreous enamelled white on both sides and with inscription in single red colour on front side as required	Nos.	6	269.00	1614.00	
		<b>Total of Electrical items</b>				<b>8438961.00</b>	<b>2939452.00</b>

**SCHEDULE OF QUANTITIES - HVAC WORKS**

S No	DSR HVAC 2019/DSR EM 2018	DESCRIPTION	UNIT	QUANTITY	RATE	TOTAL AMOUNT	
						DSR (INR)	NON-DSR (INR)
1	1.0	Supply Installation, Testing & Commissioning of modular type Variable Refrigerant Flow/Variable Refrigerant Volume air cooled Outdoor units suitable for cooling and heating, having all hermetically sealed inverter type Scroll Compressor(s), minimum two compressors for above 14 HP modules, microprocessor based Controller, top discharge type condensing unit(s), with R 410 A Refrigerant, vibration isolators, with suitable foundation etc. complete as required. The unit shall deliver the rated capacity at AHRI Conditions and work even at 50°C ambient temperature without tripping. The unit shall be suitable to work on 400V +/- 10%, 3 Phase, 50Hz AC power supply. The unit shall be filled with first charge of the refrigerant and ready for use as required. The COP at AHRI conditions shall not be less than 3.1 and IEER not less than 6.5 .	per HP	0	16415.00	0.00	
2	2	Supply, installation, testing and commissioning of following minimum capacity 4-way flow VRV/VRF					
2.1	2.4	1.6 TR	Each	0	30204.00	0.00	
2.2	2.5	2.0 TR	Each	0	30801.00	0.00	
2.3	2.6	2.4 TR	Each	0	31453.00	0.00	
2.4	2.8	3.2 TR	Each	0	32787.00	0.00	
2.5	2.10	4 TR	Each	0	33981.00	0.00	
3	3.0	Supply, installation, testing and commissioning of following minimum capacity VRV/VRF High wall type Indoor unit equipped with washable synthetic media pre-filter, fan section with low noise fan/dynamically balanced blower, multispeed motor, coil section with DX copper coil, electronic expansion valve, outer cabinet, cord less remote control, drain pan, necessary accessories etc., suitable for operation on 230 V ± 10%, 50 Hz, single phase AC supply, complete as required. The unit shall have automatic force shut down provision in case of fire on receiving signal from BMS System. The cooling capacity of indoor unit will be at air inlet conditions of 27 Degree C DB and 19 Degree C WB temperature.					
3.1	3.6	1.65 TR	Each	2	21746.00	43492.00	
3.2	3.7	2.0 TR	Each	0	22100.00	0.00	
4	4	Lifting, Shifting, Supply, Installation, Testing & Commissioning of Interconnecting "Y" & "T" Joints i.e. Refnet Joints/ Header with Insulation for refrigerant piping					
4.1	MR	Y Joints	NOS	26	8697.00		226122.00
4.2	MR	Header	NOS	2	22076.00		44152.00
5	5	<b>Refrigerant Piping</b> Supply, Installation, testing and commissioning including vacuumization and Nitrogen testing of following nominal sizes of soft/hard drawn copper refrigerant piping for VRV/VRF system, complete with fittings, with suitable adjustable ring type hanger supports, jointing/brazing including accessories, insulated with XPLE Class-O tubular insulation/with Class-O closed cell elastometric nitrile rubber tubular sleeves sections of specified thickness as given below for Suction and Liquid lines, all accessories as per specifications etc. as required :					
5.1	5.1	6.4 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation	m	120	245.00	29400.00	
5.2	5.2	9.5 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation	m	600	331.00	198600.00	
5.3	5.3	12.7 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation	m	120	466.00	55920.00	
5.4	5.4	15.86 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation	m	600	588.00	352800.00	
5.5	5.5	19 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 19 mm thick insulation	m	75	707.00	53025.00	
5.6	5.6	22.2 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 19 mm thick insulation	m	75	865.00	64875.00	
5.7	5.7	25.4 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 19 mm thick insulation	m	50	1022.00	51100.00	
5.8	5.8	28.58 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 19 mm thick insulation	m	50	1108.00	55400.00	
6	1.14	<b>Cable/Wiring</b> Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.					
6.1	1.14.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Rm	780	233.00	181740.00	
6.2	1.14.11	4 X 16 sq. mm + 2 X 6 sq. mm earth wire	Rm	50	1365.00	68250.00	
8	MR	<b>Drain Piping</b> Supply, installation, testing and commissioning of PVC drain water with necessary clamps, fittings such as bends tees etc. and duly insulated. 40 mm dia (9 mm tick ins.)	Rm	780	374.00		291720.00
<b>Total HVAC WORKS</b>						<b>1154602.00</b>	<b>561994.00</b>



**SCHEDULE OF QUANTITIES - HVAC WORKS**

S NO	DSR (E & M-2022)/ MR	DESCRIPTION	UNIT	QUANTITY	RATE	DSR AMOUNT	Non DSR AMOUNT
		<b>Equipments</b>					
		VAV BOX (WITH INTEGRAL SOUND ATTENUATOR)					
1.0		Supply and Installation of pressure independent rectangular VAV unit with integral sound attenuator made of 22G GI sheet casing length 900mm consisting of 25mm thick 48kg/m3 density fiber glass wool covered with tissue paper ,elliptical volume control damper , calibrated differential pressure sensor ( <b>DPT sensors</b> ) at inlet complete with digital Thermostat.(All VAV shall be factory calibrated).					
a	MR	Upto 300 CFM	Nos.	12	31769.00		381228.00
b		300 - 600 CFM	Nos.	20	35000.00		700000.00
c		600-1000 CFM	Nos.	16	36500.00		584000.00
d		1000 - 1400 CFM	Nos.	6	38500.00		231000.00
e		1400 - 2000 CFM	Nos.	1	41000.00		41000.00
f		2000- 2700 CFM	Nos.	1	45000.00		45000.00
2.0		Supply, installation, testing and commissioning of <b>Variable Frequency Drive (VFD)</b> <b>380-400 VAC, IP-54 Chassis</b> , RFI class A1 (C2), No brake chopper.					
a	MR	VFD upto 35 HP or as directed by the engineer in charge	Nos.	2	180000.00		360000.00
		<b>DUCT PRESSURE SENSORS</b>					
3.0		Supply, Installation and Testing of pressure sensors to be installed in supply air ducts. Quoted price shall be inclusive of necessary conduiting, copper control cabling from the sensors to the respective VFDs as per "Approved Shop Drawings".	Nos.	8	17500.00		140000.00
4.0		Supply, Installation, Testing & Commissioning of Silent type circular /rectangular inline fans for exhaust air complete with sheet metal casing, 25mm thick acoustic insulation, direct driven centrifugal fan, motor with proper protection and inspection door. Fan shall be suitable for operation on 220+6 % volts, 50 Hz, 1 phase AC power supply. Flanges to be provided on both sides to facilitate duct connections. Fan shall be installed as shown in the drawings and will be of following characteristics: All single phase inline fans shall be provided with factory fitted speed regulators. All Fans Should be complete with Plug Top & necessary power cable. Fans shall have low noise level in rage of 35-40dBA @3m and shall be suitable for indoor installations.					
a	MR	200 CFM S P of 13-14 for Toilet	Nos.	1	6449.00		6449.00
b		500 CFM S P of 13-14 for Toilet	Nos.	1	9500.00		9500.00
		<b>Axial Fan</b>					
5.0		Tube Axial Fan					
a	MR	Supply Installation, testing and commissioning of supply air <b>Tube Axial flow fan</b> of following capacity with GSS casing and aluminium alloy impellers with high efficiency aero-foil sections, blades, the impeller directly driven by TEFC induction motor suitable for 3 Phase 50 Hz 415 V ± 10 %, complete as required. This cost shall include the cost for suitable panel, DOL starter, breakers etc compete in all respect as per the directions of engineer in charge.					
		9000 cfm at 15 mm static presuure for fresh air/exhaust air With Class "H" insulation.	NOS	5	143910.00		719550.00
		<b>Fire damper</b>					
6.0	16.20	Supplying, Fixing, testing and commissioning of fire dampers in supply air duct/main branch and return air path as and where required of required sizes i/c control wiring,the damper shall be motorized and spring return so as to close the damper in the event of power failure automatically and open the same in case of power being restored. The spring return action shall be inbuilt mechanism and not externally mounted. The damper shall also be closed in the event of fire signal complete as required and as per specifications. (Fire damper shall ve suitable for 120 minutes fore rating as per NBC norms)					
a	16.20.1	Fire damper	SQM	20	10659.00	213180.00	
b	16.20.2	Actuator	NOS	8	9948.00	79584.00	
7.0		<b>GI Gravity Louver</b>					
	MR	Supply, installation, testing and commissioning of GI Gravity Louver complete with neoperene rubber gaskets, nuts, bolts, screws linkages, flanges etc, as per specifications.	SQM	1	6600.00		6600.00
8.0		<b>VOLUME CONTROL DAMPER</b>					
a	MR	Supply, Installation and Testing of GI box type volume control dampers as per the specifications and shop drawings. - For Rectangular Ducts	SQM	15	5900.00		88500.00
		<b>DUCTING</b>					
9.0		Supply, Installation, Testing and Commissioning of powder coated GI sheet metal factory fabricated flat oval ducting with fittings and gripple wire supports. The factor of gripple support to suit the duct weight with necessary anchor fastners and hook arrangements with suitable thickness etc., conforming to SMACNA standards. Duct should be fabricated by using CNC machines including necessary civil works as per site condition. The joints shall be seamless and ducts joining shall be done using rivets only. The ducts shall be powder coated with RAL color as per architect approval. The complete ducting cost shall be including 9 mm thick nitrile rubber thermal with insulation internally. The insulation used for factory lining shall be of self adhesive type.					
a	MR	Thickness 0.63 mm sheet	SQM	700	1721.00		1204700.00
b	MR	Thickness 0.80 mm sheet	SQM	400	2023.00		809200.00
c	MR	Thickness 1.00 mm sheet	SQM	100	2340.00		234000.00
d	MR	Thickness 1.25 mm sheet	SQM	50	2900.00		145000.00
		<b>Diffusers &amp; Grills</b>					
10.0	16.15	Supplying & fixing of powder coated extruded aluminium Supply Air Grills with aluminium volume control dampers as per specifications.	SQM	16	9105.00	145680.00	
11.0	16.16	Supplying & fixing of powder coated extruded aluminium Return Air Grills with louvers but without volume control dampers complete as required	SQM	32	5910.00	189120.00	
12.0	16.17	Supplying, fixing testing commissioning of supply air diffusers of powder coated aluminium with aluminium volume control dampers with anti smudge ring & removable core.	SQM	16	12184.00	194944.00	
13.0	16.18	Supplying, fixing testing commissioning of Return air diffusers of powder coated aluminium without volume control dampers with anti smudge ring & removable core.	SQM	16	8121.00	129936.00	
14.0		Supply, Installation, Testing of 125mm deep antivibration flexible joints at the outlet of air handling units/ductable split units/inline fans. Flexible connections shall be constructed using imported fire retardant fabric with extruded aluminium frame/flange on both sides of approved make.	RM	50	1440.00		72000.00

15.0	MR	Supply, Installation, Testing and Balancing of linear slot diffusers as per the approved shop drawings and specifications. Each slot shall be 25mm wide. The diffuser face shall be a one piece extrusion so there are no visible joints. Slot diffusers shall be complete with end caps either as end plates or end angles or integral part, air control blades etc. Slot diffuser have a variable neck length and the diffuser face could be optionally be fitted to the plenum box on site. Diffuser shall have provision to access collar dampers for air balancing. All Return air diffusers in false ceiling to be properly supported from real slab using chains or gripple wires.					
		3 slot/2slot, powder coated extruded aluminium diffusers of approved colour & shade.	SQM	10	12500.00		125000.00
16.0	MR	Supply, Installation and Testing of Bird Screens with GI wire mesh to be installed at the suction of fresh air/discharge of Exhaust air as per the specifications and shop drawings. Sample of bird screen to be got approved from consultants and Clients prior to procurement.	SQM	10	5436.00		54360.00
		<b>INSULATION</b>					
17.0	16.23	Supplying and fixing of following thickness duly laminated aluminum foil of mat finish closed cell Nitrile rubber (Class "O") insulation on existing duct after applying suitable adhesive for Nitrile rubber. The joints shall be sealed with 50 mm wide and 3 mm thick self adhesive nitrile rubber tape insulation complete as per specifications and as required.					
	16.23.1	19mm	SQM	5	754.00		3770.00
		<b>ACOUSTIC</b>					
18.0	16.21	Supply and fixing of acoustic lining of supply air duct and plenum with 25 mm thick resin bonded glass wool having density of 32 kg/m <sup>3</sup> , with 25 mm X 25 mm GI section of 1.25 mm thick, at 600 mm centre to centre covered with Reinforced Plastic tissue paper and 0.5 mm thick perforated aluminum sheet fixed to inside surface of ducts with cadmium plated nuts, bolts, stick pins, CPRX compound etc. complete as required and as per specifications	SQM	10	708.00		7080.00
19.0	MR	Supply, Installation, Testing and Commissioning of Air Purification systems in the specified areas where AHU/VRF/FCU/Cassette/Hi-Wall/Ductable units etc are installed, so as to improve indoor air quality by using, Self-cleaning Needlepoint Ionizer made of Carbon brush emitters. The Needlepoint brushes shall be designed to properly release equal amount of positive and negative ions in the supply air.>400Million ions/cc without any obstruction. The units to be suitable for capacities up to 6000 CFM, with universal voltage input 24V to 240V AC/DC, ionizer indicator LED, set of dry contacts which will indicate ionizer functionality. The unit shall have capability to be switched on 24/7 and shall have weathertight conduit of minimum 6ft length.System should kill microorganisms and pathogens and backed with Independent lab test reports on the real virus and not surrogate. The system also should reduce odors, TVOC's and reduce particle/particulate matter/PM2.5/PM10. <b>The products should be UL 2998 listed with zero Ozone Emission.</b>					
a		AHU (upto 6000Cfm )	Nos	8	81420.00		651360.00
b		AHU (upto 2000Cfm )	Nos	2	40710.00		81420.00
20.0	MR	Smart Indoor Air quality monitor to measure Air quality parameters including AQI, PM1, PM2.5, PM10, CO2, Humidity and Temperature. In addition to the mentioned sensors of the base device, you can customize it to measure more parameters by adding extra sensors. This monitor should be a 3-tier architecture including sensor Hardware, secure cloud infrastructure, monitoring apps including dashboard, android/iOS apps, where ever requires. Dashboard should be customisable and IOT (Internet of things) enabled with view and management for all of your locations on one dashboard so that you can easily identify and address any air quality issues. Sensors should be soft calibratable. The System should be capable of providing periodic Preventive maintenance for automated after sales support service in form of notification/ alerts and user interaction through dashboard application.					
		Air Quality Monitor	Nos	1	7580.00		7580.00
21.0	MR	Supply, installation testing and commissioning of Router / Supervisory Controller which will manage the VAV information and communicates on BACnet®/ LONWORKS® protocol to monitor and Control the VAVs from BMS software on PC in accordance with the approved shop drawings and technical specifications. Connecting the final daisy loop from all VAV to Supervisory Controller shall be part of the scope. The communication between Supervisory controller and BMS software in PC should be on IP. Cost include powder coated Panel for Supervisory Controller of required size with 24 Volts provision which includes power cable, plug, transformer and with all necessary accessories for mounting on wall in accordance with the approved shop drawings and technical specifications.	Nos	1	218928.00		218928.00
22.0	MR	Supply, Laying, Termination of ISI Certified 2 Core 1.0 sq.mm ATSC, FRLS,PVC insulated, Unarmored, Tinned Copper, twisted, shielded, PE insulated, VAV Communication Cable with proper ferrules, lugs and other necessary accessories. The spec shall meet the system manufacturer specifications.	Rmt	500	120.00		60000.00
23.0	MR	Supply, Laying, Termination of ISI Certified 4 Core 1.0 sq.mm ATSC, FRLS ,PVC insulated, Unarmored, Tinned Copper, twisted, shielded, PE insulated, VAV Communication Cable with proper ferrules, lugs and other necessary accessories. The spec shall meet the system manufacturer specifications.	Rmt	400	280.00		112000.00
24.0	MR	Supply & Laying of ISI Certified 1" dia PVC Conduit with bends, collar, saddles, saddle base and other accessories for Signal Cable / DDC Communication Cable	Rmt	500	120.00		60000.00
		<b>TOTAL HVAC WORKS</b>				<b>963294.0</b>	<b>7148375.0</b>

Seating Plan  
Layout



GLAZING SCHEDULE - TOWER-G			
TYPE	MASONRY OPENING		SPECIFICATION
	FROM F.F.L		
GGL1	18565	3475	12MM CLEAR TOUGHENED GLASS FIXED TO THE FLOOR, CEILING AND SIDES WITH EMBEDDED ALUMINIUM U CHANNEL WITH DOUBLE ACTION HYDRAULIC FLOOR SPRING GLASS DOOR
GGL2	28985	3475	12MM CLEAR TOUGHENED GLASS FIXED TO THE FLOOR, CEILING AND SIDES WITH EMBEDDED ALUMINIUM U CHANNEL WITH DOUBLE ACTION HYDRAULIC FLOOR SPRING GLASS DOOR
GGL3	11180	3475	12MM CLEAR TOUGHENED GLASS FIXED TO THE FLOOR, CEILING AND SIDES WITH EMBEDDED ALUMINIUM U CHANNEL WITH DOUBLE ACTION HYDRAULIC FLOOR SPRING GLASS DOOR
GGL4	15105	3475	12MM CLEAR TOUGHENED GLASS FIXED TO THE FLOOR, CEILING AND SIDES WITH EMBEDDED ALUMINIUM U CHANNEL
GGL5	37020	3475	12MM CLEAR TOUGHENED GLASS FIXED TO THE FLOOR, CEILING AND SIDES WITH EMBEDDED ALUMINIUM U CHANNEL WITH FIRE RATED AUTOMATIC GLASS SLIDING DOOR
GGL6	4200	3075	12MM CLEAR TOUGHENED GLASS FIXED TO THE FLOOR, CEILING AND SIDES WITH EMBEDDED ALUMINIUM U CHANNEL
GGL7+FGD4	3900	2700	12MM CLEAR TOUGHENED GLASS FIXED TO THE FLOOR, CEILING AND SIDES WITH EMBEDDED ALUMINIUM U CHANNEL WITH DOUBLE SHUTTER FIRE RATED GLASS DOOR WITH STAINLESS STEEL FRAMED
GGL7a	3900	2700	12MM CLEAR TOUGHENED GLASS FIXED TO THE FLOOR, CEILING AND SIDES WITH EMBEDDED ALUMINIUM U CHANNEL WITH DOUBLE SHUTTER GLASS DOOR WITH STAINLESS STEEL FRAMED
GGL8+FGD4	6500	2700	12MM CLEAR TOUGHENED GLASS FIXED TO THE FLOOR, CEILING AND SIDES WITH EMBEDDED ALUMINIUM U CHANNEL WITH DOUBLE SHUTTER FIRE RATED GLASS DOOR WITH STAINLESS STEEL FRAMED

SCHEDULE OF SHAFTS			
SHAFT NO.	SIZE	DESCRIPTION	REMARK
TG-S-01	1276 X 650	PLUMBING SHAFT	
TG-S-02	1276 X 1200	FIRE HYDRANT & SPRINKLER SHAFTS	
TG-S-03	2050 X 530	STAIRCASE PRESSURIZATION SHAFT	
TG-S-04	1035 X 1150	GARBAGE CHUTE SHAFT	
TG-S-05	2192 X 300	PLUMBING SHAFT	
TG-S-06	AS PER DRAWING	PLUMBING SHAFT	
TG-S-07	1300 X 600	VACUUM CLEANING SHAFT	
TG-S-08	1200 X 600	HVAC SHAFT	
TG-S-09	1300 X 600	CHILLED WATER SUPPLY SHAFT	
TG-S-10	1200 X 600	ELECTRICAL SHAFT	
TG-S-11	1200 X 600	VACUUM CLEANING SHAFT	
TG-S-12	1300 X 600	FIRE HYDRANT & SPRINKLER SHAFTS	
TG-S-13	1200 X 600	LIFT-LOBBY PRESSURIZATION SHAFT	
TG-S-14	1300 X 600	ELECTRICAL SHAFT	
TG-S-15	2170 X 960	KITCHEN SHAFT	
TG-S-16	2170 X 860	STAIRCASE PRESSURIZATION SHAFT	
TG-S-17	1050 X 600	DATA SHAFT	
TG-S-18	1080 X 600	LOW VOLTAGE SHAFT	
TG-S-19	600 X 3740	ELECTRICAL SHAFT	
TG-S-20	1122 X 300	PLUMBING SHAFT	
TG-S-21	1122 X 970	GARBAGE CHUTE SHAFT	
TG-S-22	750 X 2200	ELECTRICAL SHAFT	
TG-S-23	1070 X 200	PLUMBING SHAFT	
TG-S-24	3900 X 1050	FRESH AIR DUCT SHAFT	
TG-S-25	1200 X 500	LIFT-LOBBY PRESSURIZATION SHAFT	
TG-S-26	1270 X 500	FIRE HYDRANT & SPRINKLER SHAFTS	
TG-S-27	AS PER DRAWING	STAIRCASE PRESSURIZATION SHAFT	
TG-S-28	1200 X 300	PLUMBING SHAFT	
TG-S-29	250 X 550	PLUMBING SHAFT	

**GOOD FOR CONSTRUCTION**

**GENERAL NOTES**  
 ALL DIMENSIONS ARE IN MM, UNLESS OTHERWISE STATED.  
 ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED. DO NOT MEASURE THE DRAWING.  
 ALL DRAWINGS ARE TO BE SIMULTANEOUSLY READ ALONG WITH RELEVANT SERVICES & CONSTRUCTION DRAWINGS, WHEREVER APPLICABLE.  
 ALL MATERIAL FINISHES ARE TO BE EXPRESSED BY APPROVED BY THE EPC CONTRACTOR.

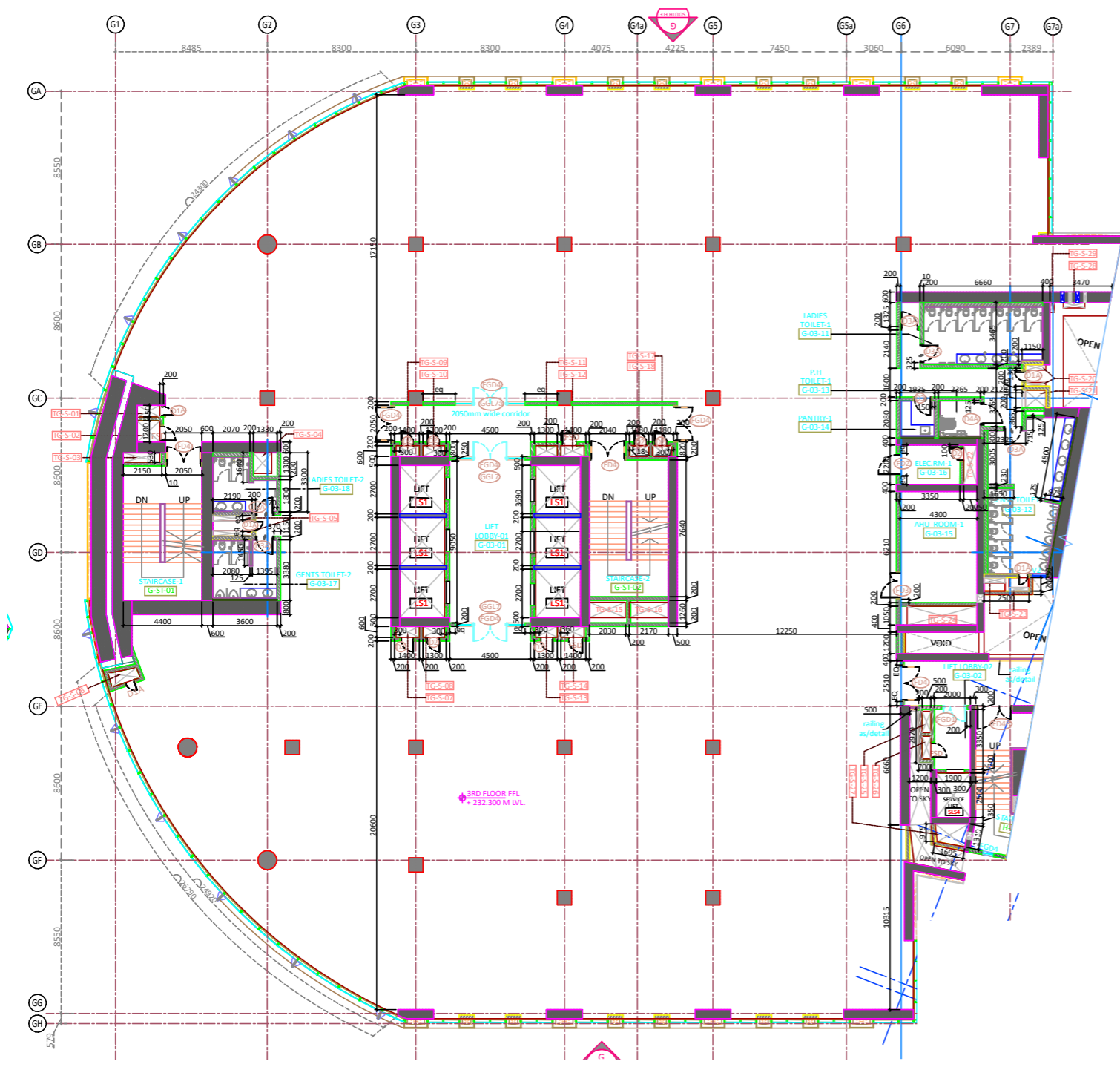
**DRAWING NOTES**

**LEGEND FOR MASONRY**

- RCC WALL
- 200 MM THICK AAC BLOCK
- 125 MM THICK AAC BLOCK

**REVISIONS**

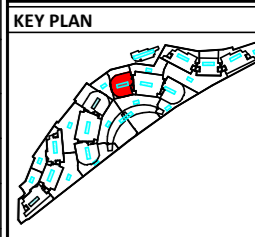
REV	DATE	DESCRIPTION
01	20.11.2021	FIRST ISSUE
02	28.08.2022	UPDATED AS PER DOOR SCHEDULE
03	03.06.2022	UPDATED AS PER DOOR & GLAZING SCHEDULE



1 TOWER G THIRD FLOOR MASONRY PLAN

FIRE DOOR SCHEDULE				
TYPE	MASONRY OPENING	FRAME	DESCRIPTION	LOCATION
FD1	1240	2140	S.S FRAME SECTION OF SIZE 143X57MM SHUTTER GLASS DOOR WITH STAINLESS STEEL FRAMED GLASS+50MM GLAZED	FIRE CONTROL ROOM
FD2	1240	2140	M.S FRAME SECTION OF SIZE 125X60MM SINGLE SHUTTER +VISION PANEL+LOCK (ACCESSIBLE CONTROL SYSTEM)	ELECTRICAL
FD3	1540	2140	M.S FRAME SECTION OF SIZE 125X60MM 120 MIN FIRE RESISTANT MIN 55 MM THK UNEQUAL DOUBLE SHUTTER +LOCK (ACCESSIBLE CONTROL SYSTEM)	AHU ROOM
FD4 & FD4B	2050	2140	WOODEN DOOR FRAME SECTION OF SIZE 125X60MM 120 MIN FIRE RESISTANT MIN 55 MM THK EQUAL DOUBLE SHUTTER +PANIC BAR (INSIDE)+VISION PANEL	STAIRCASE
FSD	900	1500	16 GAUGE M.S. SHEET SHUTTER WITH METAL DOOR FRAME OF SIZE 100X57MM	FIRE HYDRANT & SPRINKLER SHAFT
FGD	2000	2140	S.S FRAME SECTION OF SIZE 143X57MM 120MIN FIRE RESISTANT DOUBLE EQUAL SHUTTER GLASS DOOR WITH STAINLESS STEEL FRAMED GLASS+50MM GLAZED	LIFT LOBBY GROUND FL.
FGD1	1390	2140	S.S FRAME SECTION OF SIZE 143X57MM 120MIN FIRE RESISTANT UNEQUAL SHUTTER GLASS DOOR WITH STAINLESS STEEL FRAMED GLASS+50MM GLAZED	SERVICE LIFT LOBBIES AT ALL FLOOR
FGD2	2000	2400	S.S FRAME SECTION OF SIZE 143X57MM 120MIN FIRE RESISTANT AUTOMATIC DOUBLE EQUAL SHUTTER SWING GLASS DOOR WITH STAINLESS STEEL FRAMED GLASS+50MM GLAZED	ENTRANCE (PODIUM SIDE) (TOWER A, B,C,K,L & M)
FGD3	2000	2400	S.S FRAME SECTION OF SIZE 143X57MM 120MIN FIRE RESISTANT EQUAL SHUTTER GLASS DOOR WITH STAINLESS STEEL FRAMED GLASS+50MM GLAZED	SHOP DOOR
FGD4	2000	2400	S.S FRAME SECTION OF SIZE 143X57MM 120MIN FIRE RESISTANT DOUBLE EQUAL SHUTTER GLASS DOOR WITH STAINLESS STEEL FRAMED GLASS+50MM GLAZED	LIFT LOBBY, CORRIDOR (TOWER A, B,C,K,L & M)
FGD5	2050	2400	S.S FRAME SECTION OF SIZE 143X57MM 120MIN FIRE RESISTANT AUTOMATIC DOUBLE EQUAL SHUTTER SWING GLASS DOOR WITH STAINLESS STEEL FRAMED GLASS+50MM GLAZED	ENTRANCE LOBBIES (TOWER A, B,C,K,L & M)
FGSD1	2050	2400	S.S FRAME SECTION OF SIZE 143X57MM 120MIN FIRE RESISTANT AUTOMATIC GLASS SLIDING DOOR WITH STAINLESS STEEL FRAMED GLASS+50MM GLAZED	ENTRANCE LOBBIES (TOWER - D, E,F,G,H & J)

DOOR SCHEDULE				
TYPE	MASONRY OPENING	FRAME	DESCRIPTION	LOCATION
D1A	640	2140	WOODEN DOOR FRAME SECTION OF SIZE 125X60MM MIN 35MM THK FULLY LAMINATED SINGLE SHUTTER	DUCT DOOR
D2	840	2140	WOODEN DOOR FRAME SECTION OF SIZE 125X60MM MIN 35MM THK FULLY LAMINATED SINGLE SHUTTER	DUCT DOOR
D3	1040	2140	WOODEN DOOR FRAME SECTION OF SIZE 125X60MM MIN 35MM THK FULLY LAMINATED SINGLE SHUTTER	DRIVERS ROOM, SECURITY ROOM, PANTRY, MAINTANCE STAFF ROOM, MISC ROOM
D3A	1040	2140	WOODEN DOOR FRAME SECTION OF SIZE 125X60MM MIN 35MM THK FULLY LAMINATED SINGLE SHUTTER +UNDERCUT LOUVER	TOILET
D4A	1240	2140	WOODEN DOOR FRAME SECTION OF SIZE 125X60MM MIN 35MM THK FULLY LAMINATED SINGLE SHUTTER +(OUTWARD OPENING)	PH TOILET
D5	2040	2140	WOODEN DOOR FRAME SECTION OF SIZE 125X60MM MIN 35MM THK FULLY LAMINATED DOUBLE EQUAL SHUTTER	STORE ROOM
D6	1240	2140	WOODEN DOOR FRAME SECTION OF SIZE 125X60MM MIN 35MM THK FULLY LAMINATED SINGLE SHUTTER	STORE, CONFERENCE, MEETING
D7	2040	2140	WOODEN DOOR FRAME SECTION OF SIZE 125X60MM MIN 35MM THK FULLY LAMINATED DOUBLE EQUAL SHUTTER	CORRIDOR, TEA LOUNGE, SEMINAR, TEA LOUNGE



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SUBMITTED	REVIEWED	APPROVED

SCALE: 1:150

1<sup>ST</sup> ISSUED ON: 20-11-2021

DRAWN BY: GJ

CHECKED BY: RS

TOWER-G THIRD FLOOR MASONRY PLAN

AR-TG-03-PLN-1100A

REV: R2