



Tender no. 1900000043



**माझगांव डॉक शिपबिल्डर्स लिमिटेड**

(भारत सरकार का उपक्रम)

राष्ट्र के पोत निर्माता

डॉकयार्ड रोड, माझगांव

मुंबई - ४०००१० (भारत)

**MAZAGON DOCK SHIPBUILDERS LIMITED**

(A Government of India Undertaking)

Shipbuilders to the Nation

Dockyard Road, Mazagon,

Mumbai 400 010 (INDIA)

CIN :U35100MH1934GOI002079

**ई-निविदा फॉर्म दो हिस्सों में**

**e-TENDER ENQUIRY FORM (TEF) Two-Bid System**

मंडल: समवाय

**DIVISION: CORPORATE**

विभाग: तकनीकी सेवाएँ

**DEPARTMENT: TECHNICAL SERVICES**

निविदा क्रमांक : १९००००००४३

**TENDER NO: 1900000043**

निविदा जारी दिनांक: २९ जून '१८

**TENDER DATE: 29 June'18**

निविदा देय दिनांक एवं समय: ३१ जुलाई '१८ दोपहर २.३० बजे

**CLOSING DATE & TIME: 31 July '18 at 1430Hrs**

भाग १ - तकनीकी एवं वाणिज्यिक हिस्सा खोलने (ऑनलाइन) कि तिथि एवं समय: ०१

अगस्त '१८ दोपहर २.३० बजे से

**Online Opening of Part-I (Techno-commercial Bid): 01 Aug'18, 1430 Hrs IST onwards**



## **PART A**

माझगांव डॉक शिपबिल्डर्स लिमिटेड प्रासिद्ध निविदाकर्ताओं / विक्रेताओं से निम्नलिखित कार्य के लिए प्रतियोगी ऑनलाइन निविदाएँ दो हिस्सों में (भाग १ - तकनीकी एवं वाणिज्यिक हिस्सा और भाग २ - मूल्य हिस्सा) अपने ई-प्रॉक्यूरमेंट पोर्टल <http://eprocuremdl.nic.in> पे आमंत्रित करते हैं।

**MAZAGON DOCK SHIPBUILDERS LIMITED** INVITES ONLINE COMPETITIVE BIDS from reputed Bidders / Vendors in TWO BID SYSTEM (Part-I Techno-Commercial Bid and Part-II Price Bid) on our e-procurement portal <http://eprocuremdl.nic.in> for the following Work:

### **1. कार्य का वर्णन /DESCRIPTION OF WORK:**

1.1. **Creation of New Interior facilities for HR & CP Department at 2nd floor, Mazdock House, North Yard, MDL.**

### **2. कार्य का ब्योरा & टेक्निकल विनिर्देश/ General Scope of Work & Technical Specifications:**

2.1. List of Tender Drawings is attached at **Enclosure-9.**

2.2. Technical Specifications for the works are attached separately at **Enclosure-10.**

The brief Scope of Work is as under:

#### **1. SCOPE OF WORK:**

The work consists of Civil & Interior works including, masonry, plastering, painting, flooring & cladding, Partitions & panelling, doors & windows, waterproofing, modular/customized furniture, False ceiling, General items, Plumbing, Electrical work, etc. are within the scope of this tender in accordance with the “drawings” and “Bill of Quantities”. It includes providing, fixing, furnishing all materials, labour-, tools and equipment and management of necessary and incidental to the construction and completion of the work. All work, during its progress and upon completion, shall conform to the lines, elevations and grades as shown on the drawings furnished by the Architects. Should any detail essential for efficient completion of the work been omitted from the drawings and specifications, it shall be the responsibility of the Contractor to inform the Employer/Architects and to furnish and incorporate all such details with Employer’s/Architect’s concurrence, so that upon completion of the proposed work, the same will be acceptable and ready for use.

The bidders must fill the BOQ/Ratesheet after referring to the drawings & scope of work.

#### **2. PLUMBING WORKS:-**

##### **SANITARY FIXTURES & CP FITTINGS:**

The scope of work shall cover the supply, Installation, Testing & Commissioning of the Sanitary Fixtures & Fittings as mentioned in the Bill of Quantity for Pantry area

**DRAINAGE WORK:** The scope of work shall cover the supply, Installation, Testing & Commissioning of SWR PVC PIPE TYPE-B(6Kg/cm<sup>2</sup>.) for internal drainage work & vertical downtake with all fittings & supports. The scope also include supply & installation work of Nahni trap with gratings & PVC Cowl.

**WATER SUPPLY WORK:** The scope of work shall cover the supply, Installation, Testing & Commissioning of CPVC Pipes for internal Water supply work & supply & installation work of Gun Metal control valves.



### **3. ELECTRICAL WORKS**

The scope of work shall cover the supply, Installation, Testing & Commissioning of the electrical equipment like Distribution Boards, Cables, Switchgear, Lighting fixtures, Earthling, Fire Alarm, Public Address, CCTV, Access control, Telephone system, Rodent Repellent, Data Networking system.

#### **1.0 DISTRIBUTION BOARDS**

The scope of work for the Distribution Board shall cover the supply and Installation as described in the specification, as per drawings and schedule of quantities

Prior to installation of DB's the supplier/contractor shall submit for consultant's approval the shop/vendor drawing consisting of G.A. drawing, sectional elevation, single line diagram, bill of material etc. and design calculations indicating type, size, short circuiting rating of all the electrical components used, bus bar size, internal wiring size, DB dimension, color, mounting details etc.. The contractor shall submit manufacturer's catalogues of the electrical components installed in the DB's. Contractor has to submit the 3 sets of as built drawings & drawings shall be provided by the contractor after successfully completion & commissioning of entire electrical system.

#### **2.0 LT XLPE CABLES**

The scope of work shall cover supply, laying, testing and commissioning of medium voltage XLPE cables.

The specification provided in the technical specs gives the general requirement of cables. However, it is the responsibility of the vendor to take the joint measurement and obtain client's approval before the placement of orders to the main supplier / manufacturer.

Contractor shall submit the as built drawing of the cable laying drawing. Also,

The supplier shall submit following:

1. Data sheet indicating results of tests.
2. Test report

#### **3.0 INTERNAL WIRING**

The scope of work shall covers, definition of point wiring, system of wiring and supply, installation, connection, testing and commissioning of point wiring for light points, ceiling fan points, exhaust fan points, convenience socket outlet points, power socket outlet points, bell outlet points etc. including fixing of light fixtures, ceiling fan, exhaust fan, wall fan, bell etc.

#### **4.0 ELV WIRING**

The scope of work shall cover the supply, installation, connection, testing and commissioning of the wiring for Telephone / Computer / Fire detection / Public Address system / CCTV system / Access control / Rodent repellent system. Scope include supply of telephone cables, Multicore flexible copper wires, Shielded Wire, CAT-6 UTP computer signal wire, Fibre optics, Junction boxes, Outlet boxes, and other related accessories required to complete the wiring and installation.

#### **5.0 LIGHT FIXTURE**

The scope of work shall cover the supply, installation and testing of various types of LED light fixtures are used in the project. Also,

As per of the proposal the bidder furnish relevant descriptive and illustrative literature on lighting fixtures and accessories and following drawings/ data for the respective lighting fixtures:-

- 1 Dimensional Drawings
- 2 Mounting details cable entry facilities and weights.
- 3 Light distribution diagrams (Zonal & Isokandora)



- 4 Light absorption and utilization factors.
- 5 Lamp output V/S temp. curves.\

#### **6.0 EARTHING SYSTEM**

The scope shall cover the Design, assembling, testing, painting, supply, delivery at site with all related accessories as per the specifications as specified in the technical specification sheet. Compliance with the provisions of this specification shall not relieve the Bidder of the responsibility of furnishing apparatus and accessories of proper design, electrically and mechanically suited to meet the operating requirements under the specified service conditions and be suitable for the purpose of which they are intended.

#### **7.0 FIRE ALARM SYSTEM**

The scope of work shall cover the Supply, installation, testing & commissioning of **Intelligent Analog Addressable** Fire Alarm System in accordance with the specifications, drawings & schedule of quantities. Microprocessor based addressable and intelligent (analog), fire detection and alarm system complete with addressable, intelligent (analog) heat and smoke sensors, Addressable Manual call point and hooters. The distributed Intelligent Fire Alarm Control Panel (FACP) shall function as fully stand-alone panel. FACP shall have its own microprocessor, software and memory complying with BS5839 Part 4 (1995) and should bear CE mark.

#### **The supplier shall submit following:**

- a. GA drawing.
- b. Data sheet indicating results of tests.
- c. Test reports.
- d. O & M manuals.

#### **8.0 PUBLIC ADDRESS SYSTEM**

The scope of work under this head shall include designing supplying and installing of Public Address System. The work under this system shall consist of furnishing all materials, equipment's and appliances and labor necessary to install the said system, complete with Speakers, Amplifiers, Mic and Zone selection Panel.

The PA System is designed to serve the multipurpose of playing music, making general announcement or to transmit the fire tone under fire condition.

#### **9.0 TELEPHONE SYSTEM**

Work under this section shall incorporate the supply, installation, testing and setting to work of the following.

1. Main Distribution Frame (M.D.F.).
2. Telephone wiring
3. Telephone socket outlet
4. Integrating Central EPABX (Existing) with MDF
5. Connection, testing and commissioning of existing telephone wiring, tag boxes, telephone outlets etc.
6. Any additional work found necessary for completion of the system.
7. The rate shall also include necessary hardware, raceways, brackets, cable tray, supports, tag etc. required to be installed.

#### **10.0 RODENT REPELLENT SYSTEM**

The scope of work shall cover the supply, installation, testing and commissioning of RODENT REPELLENT system with relevant equipment and instruments. The work is to be carried out as per technical specification, BOQ & Drawings.

#### **11.0 DATA & NETWORKING SYSTEM**

The scope of the work shall cover the supply, installation, testing and commissioning of Data & Networking system with relevant equipment and instruments. The work is to be carried out as per the technical specification, BOQ & Drawings. The scope of work also covers the supply, installation, testing &



commissioning of the optical fiber cable from source network rack to 4<sup>th</sup> floor network rack.

Scope shall also include SITC of network switch & patch panel. Prior to purchase of any network components approval shall be taken before.

Scanning of Data point to be included in installation of Data point.

#### **12.0 MOTION SENSORS**

The scope of work shall cover the supply, Installation, testing & commissioning of the Motion

sensors for Cabins to save energy. The Motion sensors will control ON/OFF of AC Indoor unit & Lights.

#### **13.0 STANDALONE CALL BELL SYSTEM**

The scope of work shall cover the supply, Installation, testing & commissioning of the battery operated call bell system. The installation of the system is carried out as per technical specification & BOQ.

#### **14.0 CCTV SYSTEM**

The scope of work shall cover the supply, Installation, testing & commissioning of the CCTV system with IP Cameras & Network video recorder. The installation of the system is to be carried out as per Technical specification & BOQ.

#### **15.0 ACCESS CONTROL SYSTEM**

The scope of work shall cover the supply, Installation, testing & commissioning of the Access control system with Standalone type Biometric Card reader with controller. The installation of the system is to be carried out as per Technical specification & BOQ.

**Note: Contractors to Submit all materials technical specification/GA/Catalogue for approval before ordering it.**

### **3. निविदाकर्ताओं के लिए महत्वपूर्ण सूचना / IMPORTANT NOTE FOR BIDDERS:**

3.1. This is an e-tender and bids have to be submitted online ONLY. It is the sole responsibility of the bidders to submit their bids online in time. Bidders are, therefore, advised to commence the bidding process on the e-procurement portal WELL IN ADVANCE (preferably 3-4 days prior to tender closing date) and not wait for last minute submission of their bids. Bidders' failure to complete submission of their online bids in time on account of reasons such as SLOW SPEED OF SERVER, TECHNICAL PROBLEMS etc. will not be entertained and EXTENSION OF SUBMISSION TIME will not be granted on this account.

3.2. In case any bidder intending to respond against the tender and is not having the DSC to facilitate uploading of his bid, should approach the Service Provider at least 10 working days in advance of the tender closing date requesting for DSC. The request so made to the Service Provider should simultaneously be forwarded to MDL Dealing Officer. In case the DSC is not received within 3 to 4 working days of the request by the bidder, the Head of the concerned Commercial section be informed immediately. If the DSC is not received from the Service Provider three working days prior to the tender closing date, suitable extension to the tender closing date shall be considered if requested by the concerned bidder.

3.3. **Bidders desirous of modifying their bids may do so online prior to the tender closing date & time.**

3.4. **In case of any discrepancies between Hindi and English Versions of the Tender Clauses, English Version will prevail.**

3.5. The online bid can be submitted by the authorized representative of the bidder as detailed below.

3.5.1. By the Proprietor, in case of a proprietary firm; or



3.5.2. By a Partner, in case of a partnership firm and/or a limited liability partnership; or

3.5.3. By a duly authorized person holding the Power of Attorney, in case of a Limited Company or a corporation.

3.6. MDL has appointed **M/s. RATAN J BATLIBOI CONSULTANTS PVT. LTD. (RJBCPL)** as Architect/Consultant for the subject work.

3.7. In case of any techno-commercial query prior to submission of bids, the bidder(s) are requested to contact the following from MDL/RJBCPL. Letter(s)/emails shall be addressed to MDL with a copy marked to RJBCPL. Contact details are as under:

| MDL  | RJBCPL  |
|--|---|
| Shri B C Shinde, CM(TS)<br>Email: <a href="mailto:tscomm@mazdock.com">tscomm@mazdock.com</a><br>Tel No: +91 22 23764230/4235 | Mrs. Sandhya Shuklabaidya, Senior Architect<br>Email: <a href="mailto:sandhyas@rjbx.in">sandhyas@rjbx.in</a><br>TelNo: +91 22 40640000/40649740 |

3.8. **Co-operation with other agencies:**

3.8.1. It is brought to the notice of all Bidders that the work to be carried out by them under this contract is only part of the Project and that, at the same time as himself, other persons/contractors already engaged on work such as HVAC, Fire Detection & alarm and **other utility** agency in the neighbourhood of and even on the site, which work is essential to the progress. The contractor must therefore take into consideration and make all allowances for inconveniences which he may have to undergo in consequence thereof and for the time which other persons/contractors may required to complete section of their work which are essential to his progress. The contractor must accordingly plan and arrange his work and proceed therewith in such a way as to expose himself to the least possible interference and delay from the operations of others, or cause the least possible interference or delay to such others. Hence, Interference delay may occur during the entire duration of work.

3.9. It is important to note that the bidders can upload their bids right from the time the tender is available on portal/website. It is advisable that the bidder uploads the bid well in time rather than wait till last minute to avoid situations wherein he is unable to successfully upload the bid for various reasons which cannot be addressed then due to lack of time

#### 4. **निविदाकर्ताओं के लिए निर्देश / INSTRUCTIONS TO THE BIDDERS:**

4.1. **Bidders permanently registered with Mazagon Dock Shipbuilders Limited** should upload a scanned image of the following documents along with their e-(Part-I) bid:

4.1.1. Valid Registration Certificate duly self attested and stamped with their company seal along with their e-(Part-I) bid.

4.1.2. CA certified Average Audited Annual financial turnover during the last 3 years ending **31<sup>st</sup> March, 2017** for at least **₹88,10,000/-**, duly self attested and stamped with their company seal. Audit Certified Balance Sheet and Profit & Loss A/c for the last 3 years.



4.2. **Bidders not registered with Mazagon Dock Shipbuilders Limited** should upload a scanned image of the following documents along with their e-(Part-I) bid:

- 4.2.1. Bidder's Company Profile
- 4.2.2. Valid Bidder's Shop & Establishment Registration Certificate or Certificate of Incorporation issued by Registrar of Companies.
- 4.2.3. CA certified Average Audited Annual financial turnover during the last 3 years ending **31<sup>st</sup> March, 2017** for at least **₹88,10,000/-**, duly self attested and stamped with their company seal.
- 4.2.4. List of Equipments with its Model / Year / working status alongwith details of Manufacturing facilities duly self attested and stamped with their company seal.
- 4.2.5. List of Personnel with their designations, Qualification & Experience duly self attested and stamped with their company seal.
- 4.2.6. Audit Certified Balance Sheet and Profit & Loss A/c for the last 3 years. Draft Audited Reports are not acceptable.

5. **पुर्व योग्यता मापदंड / PRE-QUALIFICATION CRITERIA:**

5.1. निविदा जारी दिनांक के पूर्व माह के अंतिम दिवस के समाप्ती तक पीछले सात वर्षों के दौरान समरूप कार्य के सफलतापूर्वक पूरा करने का अनुभव किसी भी निम्नलिखित के अंतर्गत होनी चाहिए:

**Bidder's experience of having successfully completed similar works during last 7 years ending last day of month previous to the month of publication of this tender should be either of the following:**

- 5.1.1. तीन समरूप संपन्न कार्य जिसकी लागत ₹७८,४०,०००/- से कम न हो।  
Three similar\* completed works each costing not less than **₹78,40,000/-**  
**OR**
- 5.1.2. दो समरूप संपन्न कार्य जिसकी लागत ₹९७,९०,०००/- से कम न हो।  
Two similar\* completed works each costing not less than **₹97,90,000/-**  
**OR**
- 5.1.3. एक समरूप संपन्न कार्य जिसकी लागत ₹१,५६,७०,०००/- से कम न हो।  
One similar\* completed work costing not less than **₹1,56,70,000/-**

|                      |  |
|----------------------|--|
| <b>*Similar Work</b> | <b><i>“Interior works of Buildings /Offices /Malls / Shopping Complex /Recreational Clubs / Commercial Complex including Civil works, furniture works and electrical works.”</i></b> |
|----------------------|--|

AND

5.2. **Working Bid Capacity:**

5.2.1. The Working Bid Capacity of the Bidder should be equal to or more than the estimated cost of the work put to tender. The Working Bid Capacity shall be calculated as under:

- a) **Working Bid Capacity = [2xAxN]-B, where**
- b) **A = Average Annual Turnover of the bidder for the last Three Years (ending 31<sup>st</sup> March, 2017) from Construction activities.**
- c) **N = Number of years prescribed for completion of work for which bids have been invited.**



**d) B = Value of existing commitments and ongoing works to be completed (for all the Clients of the Bidder) during the period of Completion of Work for which bids have been invited.**

5.3. The details submitted by the bidders will be evaluated also considering the Working Bid Capacity of the Bidder apart from other requirements stated in the tender documents to determine bidder's eligibility for the work. In case, the Working Bid Capacity of the Bidder is less than the estimated cost of the work put to tender, the bid shall not be considered for opening of Price Bid (Part-II), **even if the bidder meets the other pre-qualification criteria.**

5.4. The Bidder shall submit the details as required in clause 5.2.1 above in proforma at **Enclosure-12 & 13.**

5.5. Similar completed works referred at 5.1.1, 5.1.2 & 5.1.3 above means each work and not all works put together. It is clarified that the work executed by the bidders for their in-house or capital use will not be considered for the purpose of bidder's experience of completion of similar works.

5.6. Documentary evidence in support of completed works viz., copies of Work Order(s)/Contract Agreement(s) indicating contract amount, Project/Work value, Scope of Work etc. & Work Completion Certificate(s) issued by the Client(s) indicating proper reference of the Work Order/Contract Agreement & date of Completion, duly signed & stamped with company seal shall be **scanned and uploaded online.** Bidder shall submit scanned copies of TDS certificate/ Copies of Certified invoices of relevant projects when/if asked for by MDL during tendering period.

5.7. Tenderers/Bidders are requested to submit online/upload the Particulars of Experience in Similar Projects along with the **Techno-Commercial (Part-I) Bid** at **Enclosure -11**

5.8. Bids from Joint Venture / Consortium are not acceptable.

**Note: MDL reserves the right to demand hard copy(s) of any of the above documents along with originals to verify / cause verification of authenticity of the same, whenever felt necessary.**

**6. स्थल मुआयना / SITE VISIT:**

6.1. The site for the work is North Yard, Mazgon Dock Shipbuilders Ltd, Mumbai

6.2. **It is considered necessary that the Bidder(s) visit the site and get clear idea about the work involved, before quoting. The Bidder(s) are therefore advised to visit the site and study all the particulars of the site and the nature of the work.**

6.3. Bidder(s), if required, may contact on telephone no. 2376 4223/ 2376 4224/4230 or email: [tscomm@mazdock.com](mailto:tscomm@mazdock.com) for any doubts /clarifications / site visits.

**7. बयाना राशि/ बोली प्रतिज्ञापत्र / EARNEST MONEY DEPOSIT (EMD) / BID BOND:**

7.1. Bidders shall furnish EMD of **₹4,00,000/- (Rupees Four Lakhs Only)** against this tender.

7.2. The EMD can be remitted directly through online, the following links shall be available to the vendors/contractors/candidates through MDL website: [www.mazdock.com/onlinepayment.aspx](http://www.mazdock.com/onlinepayment.aspx)

Or One can find Online payment tab on MDL website home page as under:

- Go to [www.mazdock.com](http://www.mazdock.com)
- Click on Online payment tab available on home page





- 4 options viz. Career, **Tender**, Security, Scrap/Disposal will be available.
- Click on the respective tab and make the payment online using Debit Cards, Credit cards, Net banking, BHIM/UPI etc after filling the required details.

7.3. In case bidders remit the EMD directly to MDL Bank account through NEFT, they should specifically mention the details of company name as well as nature of remittance, tender number/order number etc in the text/narration fields of Bank's NEFT remittance in order to identify the same. The format at **Enclosure-2** is required to be filled up by the bidder and scanned copy of the same is to be uploaded along with Techno-commercial bid (Part-I).

7.4. EMD can also be submitted in the form of Bid Bond/Bank Guarantee(BG) in the prescribed format at **Enclosure-4**. The Bank Guarantee(BG) should be valid for **04 more weeks** beyond the offer validity period indicated in the Tender and should be drawn from any of the banks in the list of approved Banks by SBI/Canara Bank published on MDL website [www.mazdock.com](http://www.mazdock.com)

7.5. Bidders submitting EMD by way of Bank Guarantee are requested to inform their issuing Bank to provide complete details viz., address, telephone / fax number(s) and e-mail id on their cover letter enclosing the BG.

7.6. The Scanned Copy of the Bank Guarantee towards EMD shall be uploaded in the Techno-commercial bid (Part-I).

7.7. The date of BG shall not be later than the tender closing date.

7.8. **MDL's Bank detail are given below:**

|                       |  |
|-----------------------|--|
| Beneficiary's Name    | Mazagon Dock Shipbuilders Limited          |
| Name of Bank          | State Bank of India                        |
| Branch                | Mazagon Br.                                |
| Branch Code           | 9054                                       |
| Bank Address          | Mazagon Branch, Mazagon, Mumbai - 400 010. |
| Telephone No. of Bank | 23752802                                   |
| Account No.           | 10005255246                                |
| Account Type          | Current Account                            |
| IFSC/RTGS/NEFT Code   | SBIN0009054                                |
| MICR / NECS Code      | 400002120                                  |
| Income Tax PAN No.    | AAACM8029J                                 |

7.9. **The original of the above Bid bond/ BG towards Earnest Money Deposit (EMD) / BID BOND** shall be sent by Registered Post/Speed Post/Courier/Hand Delivery, in a sealed envelope super scribing **EMD for Tender Enquiry No. and Due date**, so as to **reach within 07 days from the Tender Closing date** during office hours i.e upto 17:30 hrs. Timely submission of the original EMD instrument is the responsibility of the bidders and no reasons / excuses in this regard will be entertained by MDL, addressed To

अतिरिक्त महाप्रबंधक/ विभाग अध्यक्ष (तकनीकी सेवाएँ)

तकनीकी सेवाएँ विभाग,

पहिली मंज़िल, प्रशासनिक बिल्डिंग,

अलकाँक यार्ड, माझगांव डॉक शिपबिल्डर्स लिमिटेड

डॉकयार्ड रोड, मुंबई - ४०००१० (भारत)

**Additional General Manager/HOD(Technical Services),**

**Technical Services Department,**

**1<sup>ST</sup> Floor, Admin Building,**

**Alcock Yard, Mazagon Dock Shipbuilders Limited,**

**Dock Yard Road, Mumbai - 400010, INDIA**

7.10. **If the original of EMD instrument is NOT RECEIVED within the stipulated period of 07 Days from the closing date of the tender, the Bids / Offers will not be considered.**

7.11. EMD of technically rejected Tenderer shall be refunded within 15 days from the date of opening of Price bid. EMD of remaining unsuccessful Tenderer shall be returned after finalization of the Contract and shall be interest free.

7.12. EMD of successful bidder(s) will be returned after submission of Performance Bank Guarantee and shall be interest free.

7.13. The Earnest Money Deposit shall be forfeited by MDL in the following events:

7.13.1. If the bidder withdraws, amends impairs or derogates from the tender, agreed conditions of TNC/CNC / PNC in any respect within the period of validity of his offer.

7.13.2. If the successful bidder declines acceptance of order.

**8. बयाना राशि जमा करने से छूट / EXEMPTION FROM SUBMISSION OF EMD:**

8.1. State & Central Government Of India Departments & Public Sector Undertakings

8.2. Firms registered with MDL. To qualify for EMD exemption, firms should necessarily submit valid copy of the Registration Certificate issued by MDL, for the items for which the offer is being submitted, in Part-I offer/bid. Firms in the process of obtaining MDL registration will not be considered for EMD exemption.

8.3. Firms registered with NSIC under its "Single Point Registration Scheme" (Exemption will apply only to items/services & value up to which bidders are registered with NSIC). To qualify for EMD exemption, firms should necessarily submit valid copy of the Registration Certificate along with the list of items / services for which they are registered, as issued by NSIC, in Part-I offer / bid. Firms in the process of obtaining NSIC registration will not be considered for EMD exemption.

8.4. All Micro & Small Enterprises (MSEs). To qualify for EMD exemption, firms should necessarily submit valid copy of the Registration Certificate, issued by the Competent Authority regarding their Micro/Small Industry status, in Part-I offer / bid.

8.5. Common/Deemed DPSU registred vendors qualify for EMD exemption. Such firms shall submit valid copy of the registration certificate issued by DPSUs (other than MDL) for the items/services for which the offer is being submitted in part-I offer/bid. Firms in process of obtaining registration in other DPSUs will not be considered for EMD exemption.

8.6. Green Channel Status vendors qualify for EMD exemption. Such firms shall submit valid copy of the Green channel certificate issued by MoD for the items for which the offer is being submitted in Part-I offer/bid. Firms in process of obtaining this certificate will not be considered for EMD exemption

**9. वैधता अवधि / VALIDITY PERIOD:**

9.1. Bids / Offers shall remain valid for a period of not less than **120 Days** after the deadline date of submission.

9.2. Technically accepted bidder shall be given opportunity to accept validity as per the tender in case of shorter validity quoted by him. Non-acceptance thereafter shall be rejected by MDL as non-responsive.



**10. दो प्रणाली में ऑनलाइन प्रस्ताव प्रस्तुत करे / ONLINE SUBMISSION OF OFFER IN TWO-BID SYSTEM:**

10.1. Offer must be submitted in Two parts i.e. Part-I (Techno-Commercial Bid) and Part-II (Price Bid) as appearing online on the portal <http://eprocuremdl.nic.in>

**10.1.1. Techno-Commercial (Part-I) Bid:**

- A)** Acceptance on clauses of Tender Enquiry (TEF) in the Prescribed Format **appearing online** stating 'Accepted' OR 'Not Accepted' as applicable for each of the clause.
- B)** Acceptance on clauses of Standard Terms & Conditions (STACS) in the Prescribed Format **appearing online** stating 'Accepted' OR 'Not Accepted' as applicable for each of the clause.
- C)** Acceptance on clauses of General Terms & Conditions (GT&C) in the Prescribed Format **appearing online** stating 'Accepted' OR 'Not Accepted' as applicable for each of the clause.
- D)** Deviations, if any, from Terms, Conditions & Technical requirements specified in the Tender Enquiry, GT&C and STACS with reasons thereof shall be clearly indicated against the relevant clause(s) **in the form appearing online in Part-I bid.**
- E)** Documentary evidence in support of Past experience and Performance on Similar work(s) during the last 7 years, stipulated under Clause 5, as applicable **shall be uploaded in online Part-I bid.** Tenderers are requested to submit online/upload the Particulars of Experience in Similar Projects along with the Techno-Commercial (Part-I) Bid at **Enclosure -11.**
- F)** Bidders shall **upload scanned copies** of Audit certified Balance Sheets & Profit/Loss Accounts for the relevant years in Part-I bid.
- G)** Bidder's Undertaking at **Enclosure-1** shall be duly filled in, signed & stamped with company seal and scanned copy of the same shall be uploaded in online Part-I bid.
- H)** Scanned copy of Bank details for payment by NEFT/RTGS/ECS at **Enclosure-3**, duly filled in, signed & stamped by the bidder and authenticated by the Banker shall be uploaded in online Part-I bid.
- I)** Scanned copy of **GST Registration Certificate & Permanent Account Number (PAN)** duly signed & stamped with company seal shall be **uploaded in online Part-I bid.**
- J)** Bidders not permanently registered with MDL shall comply with the following:
  - a) Upload a scanned image of Bidder's company profile duly self attested and stamped with their company seal in online Part-I bid.
  - b) Upload a scanned image of Valid Bidder's Shop & Establishment Registration Certificate or Certificate of Incorporation issued by Registrar of Companies duly self attested and stamped with their company seal in online Part-I bid.
  - c) Upload List of Equipment with its Model / Year / working status along with details of manufacturing facilities duly self attested and stamped with their company seal in online Part-I bid.
  - d) Upload List of Personnel with their designations, Qualification & Experience duly self attested and stamped with their company seal in online Part-I bid.
- K)** Bidders registered with Mazagon Dock Shipbuilders Limited **shall upload scanned copy** of Valid Registration Certificate issued by MDL, for the items/services for which the offer is being submitted.



- L)** Bidders registered with NSIC in the relevant category as defined in the similar work **shall upload scanned copy(s)** of Valid Registration Certificate along with the list of items / services for which they are registered with NSIC. Similarly, Bidders registered as Micro / Small Enterprises (MSEs) in the relevant category as defined in the similar work **shall upload scanned copy(s)** of Valid Registration Certificate, issued by the Competent Authority, along with the list of items / services for which they are registered.
- M)** Common/Deemed DPSU registered vendors qualify for EMD exemption. Such firms shall submit valid copy of the registration certificate issued by DPSUs (other than MDL) for the items/services for which the offer is being submitted in part-I offer/bid. Firms in process of obtaining registration in other DPSUs will not be considered for EMD exemption.
- N)** The scanned image of BG towards Earnest Money Deposit (EMD) / BID BOND as stipulated in TEF clause no. 7 shall be uploaded. The original of the above BG towards Earnest Money Deposit (EMD) / BID BOND shall be sent by Registered Post/Speed Post/Courier to General Manager (Technical Services) in a sealed envelope super scribing Tender Enquiry No. and Due date, so as to reach within **07 Days** from the closing date of the tender during office working hours i.e. up to 1730 hrs, **addressed To,**

अतिरिक्त महाप्रबंधक/विभाग अध्यक्ष (तकनीकी सेवाएँ),

तकनीकी सेवाएँ विभाग,

पहिली मंज़िल, प्रशासनिक बिल्डिंग,

अल्कोक यार्ड, माझगांव डॉक शिपबिल्डर्स लिमिटेड,

डॉकयार्ड रोड, मुंबई - ४०००१० (भारत)

**Additional General Manager /HOD(Technical Services),**

**Technical Services Department,**

**1<sup>st</sup> Floor, Admin Building,**

**Alcock Yard, Mazagon Dock Shipbuilders Limited,**

**Dock Yard Road, Mumbai – 400010 (INDIA)**

**Notes:**

- i) MDL has a right to verify / cross verification of authenticity of the scanned documents with respect to original submitted against this tender.
- ii) The bidder is requested to **ensure that all the documents asked for are submitted** and are clear, legible & duly signed (i.e. self-attested), as it would save considerable time without necessitating the need for furnishing of the documents again by them. The bidder is also requested **not to submit unnecessary documents not asked for**, like signed & stamped copy of this Tender document, etc.
- iii) The bidder is required to compulsorily select “ACCEPTED” or “DEVIATION” from the dropdown field choices available against the relevant Para no. /Clause no. of TEF/STACS/GT&C (as applicable). In case “DEVIATION” is selected against a particular Para no. /Clause no., it would be mandatory to explain the deviation proposed by the bidder in the adjoining text field. Any deviation(s) mentioned elsewhere in the Offer/Bid, other than in the said forms, will not be considered.
- iv) Blank Rate Sheet form is required to be filled-up by the bidder online by selecting “QUOTED” or “NOT QUOTED” from the drop-down field choices available,



depending upon whether the bidder has quoted for the particular Service/Item tendered. The bidder is also required to specify the Taxes & duties (if any) quoted & the rate of the Taxes/Duties therein.

10.1.2. **मूल्य हिस्सा(भाग-२) / Price Bid (Part-II):**

- A) Price Bid as appearing in the format is **to be filled ONLINE ONLY** by the bidder.
- B) The quantities of individual items in the BOQ are approximate and may vary during execution.
- C) The estimated rates for various items in the Bill of Quantities (BOQ) are as appearing online in the Price Bid (Part-II).
- D) Bidders after considering the estimated rates of individual items in the BOQ and the total estimated value, shall quote their overall percentage above, below or at par the estimated rates.
- E) The percentage quoted/agreed by the bidder shall be applied to the estimated rates of individual items in the BOQ, without rounding off to two decimal places, to arrive at the order value. The applicable GST which is 18% at present shall be considered on the quoted base price.

11. **बोलियों का मूल्यांकन/ EVALUATION OF BIDS:**

11.1. The bids shall be evaluated on “all inclusive basis” considering the rates quoted by the bidders in the Price Bid (Part-II) & applicable GST, which is presently @ 18% and loading parameters, as applicable. In this context please refer sr no 25 clause of Tender Enquiry Form (TEF) for detailed information).

12. **निविदाँ खोलने की प्रक्रिया / OPENING OF BIDS:**

12.1. **Part-I (Techno-commercial Bid):** Part-I bid will be opened online on the due tender opening date from 1430hrs onwards in Technical Services Department. Bidder(s), who wish to remain present during the tender (Part-I) opening, should nominate on their **company letterhead** the name and designation of one person authorised to remain present at the time of opening the bid and send this letter so as to reach the undersigned at least one working day prior to the closing date of the tender. However, the bidder can view the tender online by logging their user ID on the portal <http://eprocuremdl.nic.in>

12.2. **Part-II (Price Bid):** After completion of Technical scrutiny, intimation for opening of Part-II bid will be communicated only to technically accepted bidders. Such intimation may be given at a short notice by Fax, E-mail or even by telephone, only to the technically accepted bidder(s). If any such technically accepted bidder wishes to remain present at the time of opening the Price Bid, he may depute one representative with proper authorization letter on their company letterhead. Alternatively, bidders can view the price bids online from their location by logging on to the portal <http://eprocuremdl.nic.in> with their Class-III B digital signature certificate.

13. **बोली अस्वीकृति करनेकी मापदंड / BID REJECTION CRITERIA:**

13.1. Following bids shall be **categorically rejected:**

13.1.1. Bids received after tender closing date and time.

13.1.2. Bids received without EMD (other than those who are exempted from payment of EMD), as specified in the tender.

13.1.3. In case of e-tenders, if the date of issue of EMD (DD/BG) is later than the tender closing date.



13.2. Following bid rejection criteria may render the bids **Liabie for Rejection:**

13.2.1. Bidder's failure to submit sufficient or complete details for evaluation of the bids within the given period which may range in between two to three weeks depending on the deficiencies noticed in the drawings / technical data which shall not however conflict with validity period. However, over all time allowed in respect of normal procurement shall not exceed 3 weeks and one week in case of emergency procurement.

13.2.2. Incomplete / misleading / ambiguous bids in the considered opinion of MDL.

13.2.3. Bids with technical requirements and or terms not acceptable to MDL / Customers / External agency nominated as applicable.

13.2.4. Bids received without pre-qualification documents where required as per the tender.

13.2.5. Bids not meeting the pre-qualification parameters stipulated in the tender enquiry.

13.2.6. Bidders not agreeing to supply spares (onboard spares, B & D spares) / post sale product support / post work completion support.

13.2.7. **Unreasonably longer delivery period** quoted by the bidder.

13.2.8. Validity period indicated by bidders is shorter than that specified in the tender enquiry.

13.2.9. Bidders not agreeing to furnish required Security Deposit / Required Contract Performance Guarantee till completion of the supplies / services as per contract.

13.2.10. Bidders not agreeing to furnish Performance Bank Guarantee for Equipment supplied / Services rendered or not agreeing for retention of equivalent amount by MDL up to the period till completion of contractual & Guarantee / Warranty obligations.

13.2.11. In case of E-Tenders, the original of the uploaded copy of EMD(BG) if received after 07(Seven) days of the tender closing date.

**14. समापन अवधि / DELIVERY PERIOD/COMPLETION SCHEDULE:**

14.1. The entire work shall be completed within a period of **08 (Eight) Months**, from the date of placement of Purchase Order or handing over of site, whichever is later.

14.2. The work is to be carried out in working offices and thus the site will be handed over to the Contractor in 02 (Two) phases.

14.3. **The successful bidder shall submit a Detailed Bar Chart/Work Schedule indicating activities, milestones, deployment of resources/manpower for execution of the work, within 07 days after receipt of the Purchase Order.**

**15. मूल्य निर्धारण / PRICING:**

15.1. All materials shall be procured by the contractor as specified in the Technical Specification/Bill of Quantities, at his own cost and the price quoted shall be deemed to be inclusive of all applicable duties, transportation, storage, royalties, handling, etc. The contractor should produce challans / bills of the materials and its quantity brought to the site as and when required by the Consultant / Client.

**16. कार्य एवं माप का क्रियान्वयन / EXECUTION OF WORK AND MEASUREMENT:**

16.1. All works shall be carried out and measured as per specifications and standard Engineering practice and mode of measurements, conforming to the relevant IS code. The Contactor shall ensure that skilled workmen in their



respective trades are employed. He shall also employ qualified Engineer(s) / Supervisor(s) experienced in similar type of work, as required, for execution of work efficiently.

16.2. Request for permission for working on Saturday / Sunday / holidays if required, should be submitted 3 working days prior to the date of holiday, to Personnel department and Security through Technical Services Department.

16.3. The work is to be carried out in the area where MDL's normal activities are in progress. The Contractor has to plan his work in such a way as not to disturb the normal activities of MDL. The contractor shall not be paid for any compensation for idle period if generated due to any reason whatsoever. Reasonable extension in time, however, may be considered on application in writing.

16.4. All the quantities indicated in the Bill of Quantities are indicative only. However, the Contractor shall be paid for the actual work carried out at site in line with the Contract terms and conditions.

16.5. All the works under or in course of execution or executed in pursuance of the contract shall at all times be open to inspection, MDL and the Contractor at all times during the usual working hours, offer assistance for the inspection of work. Orders given to the Contractor's agent shall be considered to have the same force as if they had been given to the contractor himself.

16.6. The Contractor shall submit supporting documents such as Delivery Challan(s), Release note from the nominated Inspection Agency, Test reports / Certificates, Packing Lists, Invoice, Performance Guarantee, Storage / Preservation / Installation / Commissioning / Maintenance Procedures & other Technical documentation in requisite sets as relevant along with the invoice for the purpose of certification by MDL.

16.7. Contractor shall be responsible for procuring all the materials required for construction. Contractor shall arrange for testing of materials from approved laboratory and submission of test certificates as per specification in accordance with relevant IS Codes. The cost towards testing is deemed to be included in the quoted rates.

16.8. All construction materials procured by the contractor should be of approved quality and free from defects. MDL has got all the Rights to Test and Reject any material in part or in full at any point of time. MDL reserves the right to take random samples from materials delivered by the Contractor at site and send the same for testing at Govt. approved laboratory(s). Cost towards the same shall be borne by the Contractor.

16.9. Contractor shall arrange for equipments / instruments with valid calibration certificate as required at site. The cost towards the same is deemed to be included in the quoted rates.

16.10. The Contractor shall comply with the sanitary requirements of the local Medical Health Authorities and bear the cost of any charges levied by such Authorities for the execution of work.

#### **17. स्वच्छता / HOUSEKEEPING:**

17.1. The site will be maintained clean at all times and the Contractor is expected to budget for the same.

17.2. Debris generated even in small quantities during execution of work shall be promptly disposed off within a day, outside MDL. The site shall be maintained clean at all times and **the Contractor is expected to budget for the same**. Also, during dignitary visits, temporary works materials, debris etc shall be shifted suitably without any additional cost to MDL.



17.3. In case the site is not maintained clean, the clearing job shall be done by MDL at Contractor's risk and cost incurred for the same shall be recovered from the Contractor's bills.

17.4. The Construction/ Building material should be stacked and maintained properly on site and the material stacked in open area shall be barricaded, construction/ Building material shall not affect any activity of the Ground floor. Ground floor, surrounding area and approaches shall be kept all the time clean and accessible.

**18. अतिरिक्त कार्य / EXTRA ITEMS/VARIATION IN QUANTITY:**

18.1. Extra items of works, if any, shall be determined supported by a rate analysis on the following basis:

18.1.1. Rates derived from similar items of this Contract.

**OR**

18.1.2. Rates for similar items of work executed through other agencies for MDL recently.

**OR**

18.1.3. Rates Mutually agreed to.

18.2. Growth of work in the quantities of items in the BOQ is permitted provided the total value of the growth does not exceed 25% of the original order value.

18.3. MDL reserves the right to conduct price negotiations with the Contractor in the following cases:

18.3.1. Finalization of rates for extra items.

18.3.2. To seek reduction in the unit rates of the items for the excess quantity, if the total value of growth exceeds 25% of the original order value.

**19. भुगतान की शर्तें / TERMS OF PAYMENT:**

19.1. MDL payment terms shall be as under:

19.1.1. The payment for work done will be made through RTGS/NEFT/ECS as per the actual quantities of the work executed by way of running account bills per item basis (R. A. R).

19.1.2. The bills must be submitted in triplicate along with the joint measurements taken at site duly approved by the designated representative(s) of the Architect- M/s Ratan J Batliboi Consultants Pvt. Ltd and Technical Services (TS) department. The format for covering Note for submission of Invoice is at Enclosure -17.

19.1.3. The payment against R.A bills will be made between 15 to 20 days and the final bill within 30 days of its receipt in MDL along with all the necessary documents, copy(s) of invoices of materials, wherever applicable, etc. including 'Work Completion Certificate', duly certified by the designated representatives of the Architect M/s Ratan J Batliboi Consultants Pvt. Ltd. and Technical Services department required for processing the bills.

19.1.4. Before submission of the final bill, the Contractor should sign and submit a "No Claim Certificate" indicating that he has no claim against the company under the contract except as included in the final bill.

**20. दोष दायित्व अवधि / DEFECT LIABILITY PERIOD:**

20.1. The defect liability period will be ONE YEAR from the date of actual completion of entire work.





20.2. The contractor will have to rectify any defects noticed in the work either by way of bad material or workmanship during the Defect Liability Period at no extra cost to MDL.

**21. अनुबंध निष्पादन गारंटी / CONTRACT PERFORMANCE GUARANTEE:**

21.1. Within 21 days after placement of order, the successful bidder shall submit "PERFORMANCE BANK GUARANTEE" as per MDL format for 10% of contract value valid till 30 days beyond the stipulated Defect Liability Period of one year from actual completion of entire work.

21.2. The Bank Guarantee shall be only from banks as per list approved by SBI / Canara Bank published on MDL website. Bank Guarantee from banks not mentioned in the aforesaid approved list shall NOT be accepted.

21.3. In case of non submission of PBG the invoices raised by the bidder shall be processed after withholding the amount of PBG till its submission. The amount shall be released without interest on submission of PBG & receipt of confirmation from Bank of having issued the same. In addition, clause 21.4 of TEF shall prevail in case of delay in submission of PBG.

21.4. In case of delays in submission of the Performance Bank Guarantee, MDL reserves the right to charge Interest @ SBAR+2% from the firm for such period of delays.

21.5. The Performance Bank Guarantee will be returned only after expiry of the 30 Days beyond the Defects Liability Period of One Year from actual completion of the work, provided there are no pending defects for rectification, already notified to the contractor.

**22. जलरोधी गारंटी / WATERPROOFING GUARANTEE:**

22.1. The Contractor shall submit Waterproofing Bank Guarantee, as per MDL format at **Enclosure-5A**, for an amount of 10% of the total value for waterproofing works, valid for a period of 5 years from the satisfactory completion of waterproofing works.

22.2. Alternatively, in case, the amount of Waterproofing Bank Guarantee is less than Rs 10,000/-, a retention towards Water proofing Bank Guarantee shall be made from the invoices of the Contractor which shall be released after expiry of the period of 5 years from successful completion of the waterproofing works provided there is no defect observed during the said period required to be rectified by the Contractor.

**23. बीमा / INSURANCE:**

23.1. The successful bidder has to keep MDL indemnified against any claims by purchasing **CONTRACTOR'S ALL RISK** insurance policy for the full value of the Contract from any Insurance Company of repute.

23.2. The policy shall be obtained in the joint names of MDL and the Bidder, with MDL's name appearing first. The Policy should be of full value of the Contract and shall be valid till the completion of the works.

23.3. The original of policy shall be lodged with MDL.

**24. बोलीदाताओं का दायित्व / BIDDER'S OBLIGATION:**

24.1. Bidder shall abide by all Terms of Tender Enquiry (TEF), Standard Terms And Conditions (STACS) for Civil Works, General Terms And conditions (GT and C) for Civil Works and respective acceptance formats **are to be filled as appearing online in e-Techno-Commercial (Part-I) bid**. The bidder shall also abide by the Statutory requirements, Official Secret Acts 1923, Safety Code and Security



Procedure, which can be downloaded from [www.mazdock.com](http://www.mazdock.com) → Tenders → Technical Services.

**25. कर और शुल्क / TAXES AND DUTIES:**

25.1. GST as per GST Laws shall be payable extra as quoted and agreed.

25.2. In case of purchases of goods/services from unregistered dealers under GST Laws, GST will be paid by MDL under reverse charge mechanism.

25.3. Benefits from reduction in rate of tax/ITC is required to be passed on to consumer. Where “applicable GST” has been quoted as extra, Goods and service providers (except un-registered dealers under GST Law) have to submit declaration that they have complied with ‘Anti-profiteering clause’ under GST Law. Such declaration be given in technical bid.

25.4. If the vendor is registered under GST, vendor shall mention the HSN code for goods &/or SAC for services in their tax invoice, etc. These codes must be in accordance with GST Laws and responsibility of specifying correct HSN codes for goods &/or SAC for services is that of the vendor. MDL shall not be responsible for any error in HSN code for goods &/or SAC for services specified by supplier / contractor. Supplier /Contractor shall pay penalty and/ or interest imposed on MDL or any loss due to delay in availing ITC by MDL or any loss of ITC to MDL due to errors by vendors at any stage. MDL reserves right to recover any such interest, penalty or loss from any amount due to Supplier /Contractor or otherwise.

25.5. In case, MDL is unable to avail ITC, supplier/contractor at their own cost shall rectify the shortcoming in the returns to be filed immediately thereafter. Further, if the ITC is delayed / denied to MDL / reversed subsequently as per GST Laws due to non / delayed receipt of goods and / or services and / or tax invoice or expiry of timelines prescribed in GST Laws for availing ITC, non-payment of taxes or non-filing of returns or any other reason not attributable to MDL, Supplier /Contractor shall pay any loss of amount along with interest and penalty on MDL under GST Laws for the number of days the ITC was delayed. If the short coming is not rectified by supplier/contractor and MDL ends up in reversal of credits and / or payments, supplier /contractor is fully liable for making good all the loss incurred by MDL. MDL reserves right to recover any interest, penalty or loss from any amount due to Supplier /Contractor or otherwise.

25.6. If the vendor is registered under GST, the GST registration number (15 digit GSTIN) issued by GOI shall be mandatorily provided by the vendor. Vendor having multiple business verticals within state / at multiple states with separate GST registration numbers shall forward GSTIN of only that vertical which is involved in supply of goods and/or services. MDL GSTIN is 27AAACM8029J1ZA and vendor shall mention the same while invoicing and avoid any data entry error on GST portal.

25.7. If the vendor is registered under GST, Vendor shall ensure timely submission of invoice as per the provisions / requirement / timeline promulgated by GOI in relation to GST Law with all required supporting documents to enable MDL to avail input tax credit promptly. The vendors invoice inter alia should contain GSTIN of vendor, GSTIN of MDL (i.e. 27AAACM8029J1ZA), GST tax rate separately, HSN code wise goods or services, place of supply, signature of vendor, etc. Original invoice needs to be submitted to Bill Receipt Centre at MDL gate, and a copy of the invoice should be given to the goods receiving section (GRS).

25.8. If the vendor is registered under GST, vendor shall file all applicable returns under GST Laws in the stipulated time & any losses of tax credit to MDL arising due to delay in filing will be recovered from their invoice wherever MDL is eligible to avail tax credit. Any default towards payment of tax and / or uploading of monthly returns by supplier/contractor, MDL retains right to withhold payments



towards tax portion until the same is corrected & complied by the supplier/contractor with the requirement of GST along with satisfactory evidence.

**25.9. Stamp Duty (Applicable only for the Work Contracts):** It shall be incumbent on the successful tenderer to pay Stamp duty on the contract. As per the provision made in article 63, Schedule-I, read with section 30, of the Maharashtra Stamp Act (Bombay Act LX of 1958), Stamp duty is payable by the successful tenderer for “works contract” that is to say, a contract for works and labour or services involving transfer of property in goods (whether as goods or in some other form) in its executions and includes a sub-contract, as under:

| Contract Value   | Stamp Duty   |
|--|--|
| a. Where the amount or value said forth in work contract does not exceed ₹ 10 Lakhs. | ₹ 500.00   |
| b. Where it exceeds ₹ 10 Lakhs   | ₹ 500.00 +0.1% of the amount above ten lakhs subject to maximum of ₹ 25 lakhs. |

25.10. Bidder(s) will not be entitled to any increase in rate of taxes occurring during the period of extended delivery schedule, if there is delay in supply / completion attributed to him. However, if there is a decrease in taxes, the same must be passed on to MDL.

25.11. Wherever all inclusive prices are quoted by the Bidder(s) without bifurcation of tax elements, no escalation can be considered in respect of any variations in statutory levies arising subsequently because of the absence of the required base figures in the purchase order / contract.

25.12. Taxes and other levies shall be deducted at source, wherever applicable, from the bills of the Contractor/Bidder as per statutes.

25.13. Any increase/decrease in taxes, duties & levies or introduction of new taxes due to change in the legislation shall be subject to adjustment.

**26. स्थापना, परीक्षण और कमीशन के लिए सहायता / ASSISTANCE FOR INSTALLATION, TESTING, COMMISSIONING AND OTHER SUCH TECHNICAL ACTIVITIES:**

26.1. **Power:** Power, if available and required by the Contractor, may be supplied in single phase or three phases, at a single nearby source free of cost. The contractor shall make his own arrangement for electrical fittings, cables/wires, welding transformers, etc. at his own cost.

26.2. **Water:** The contractor shall make his own arrangement for potable water & storing arrangement, required for execution of the works at his own cost.

26.3. **Equipment/Machinery:** The contractor shall make his own arrangement for all equipment, machinery, tools and tackles etc.

26.4. **Construction Material:** All the materials required for works procured by the Contractor shall be of repute make and as approved by MDL. The rate shall be inclusive of transportation, storage, security, handling etc.

26.5. **Consumables:** All the consumable required for the works including temporary works, allied/ associated job etc shall be procured by the Contractor including transportation, storage, security, handling etc.

**27. मूल्य वरीयता / PRICE PREFERENCE:**

27.1. NO PRICE PREFERENCE SHALL BE GIVEN TO ANY BIDDER IRRESPECTIVE OF THEIR STATUS.

**28. क्रय वरीयता / PURCHASE PREFERENCE:**

28.1. Purchase preference to Local Suppliers (LS) shall be applicable in the manner specified hereunder.

28.1.1. Cases where tender value is ₹50 Lakhs or less and where Nodal Ministry has communicated that there is sufficient local capacity and local competition, "Only local suppliers shall be eligible for participation in the tender and MDL shall have right to place contract / order on local suppliers only.

28.1.2. Cases where tender value is more than ₹50 Lakhs, the provisions of subparagraph 28.2 or 28.3, as the case may be, shall apply.

28.2. Items / goods "**divisible**" in nature, the following procedure shall be followed:

28.2.1. Among all qualified bids, the lowest bid will be termed as L1. If L1 is from a local supplier, the contract for full quantity will be awarded to L1.

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

28.2.3. If in the opinion of MDL, the tender cannot be divided in the manner, as stated above i.e 50:50, MDL, shall have the right to award contract on eligible LS for the quantities as may be divisible & desired in tender.

28.3. Items goods which are "**not divisible**" in nature and in procurement of services where the bid is evaluated on price alone, the following procedure shall be followed.

28.3.1. Among all qualified bids, the lowest bid will be termed as L1. If L1 is from a local supplier, the contract will be awarded to L1.

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

28.3.3. In case such lowest eligible local supplier fails to match the L1 price, the 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 local suppliers within the margin of purchase preference matches the L1 price, then the contract may be awarded to the L1 bidder.

Notes:



- i) **“Local Supplier”** means a supplier or service provider whose product or service offered for procurement meets the minimum local content, as prescribed under the said Order or by the competent Ministries / Department in pursuance of said order. A Local Supplier can be an Indian or foreign bidder.
- ii) **“Local content”** means the amount of value added in India, which shall unless otherwise prescribed by Nodal Ministry, be the total value of items procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value in percent. The minimum local content shall ordinary be **50%**, which is to be indicated in tender. Nodal Ministry may prescribe a higher or lower percentage in respect of any particular item and may also prescribe the manner of calculating local content. Increase in minimum local content:
- a) Nodal Ministry may annually review the local content requirements with a view to increasing them, subject to availability of sufficient local competition with adequate quality.
- b) The 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.
- iii) **“L1”** means the lowest tender or lowest bid or lowest quotation received in a tender, bidding process or other procurement solicitation, as adjudged in the evaluation process as per the tender or other procurement solicitation.
- iv) **“Margin of Purchase Preference”** means the maximum extent to which the price quoted by local supplier may be above the L1 for the purpose of purchase preference. The margin of purchase preference shall ordinary be **20%**, which is to be indicated in tender.
- v) **“Nodal Ministry”** means the Ministry or Department identified pursuant to the said Order in respect of a particular item of goods or services.

28.4. **Declaration of Local content:**

28.4.1. Participating bidders shall indicate their status on being Local Supplier or not. Local Supplier seeking purchase preference should declare that the item and service offered meets the minimum local content & indicate its percentage in their offer which shall meet (or even offer more) required content as specified in tender. This declaration is necessary even if Custom Duty Exemption and / or ERV (if applicable) are not being sought. Following documents are to be submitted in technical offer-Part-I bid:

- a) Local Component list i.e Items and services which are being procured / produced domestically by supplier in the system / equipment / service offered against tender. This list shall include all the components, raw materials, sub services etc.
- b) Foreign / Imported Component list i.e Items and services which are being supplied by bidder from outside India in the system / equipment / service offered against tender. This list shall include all the components, raw materials sub services etc.
- c) Bidders shall give the details of the location(s) at which the local value addition is made. Additionally, location(s) details from where foreign / imported components are being supplied be also informed.
- d) Bidders shall give the price break-up in percentage for “Local Component” and “Foreign / Imported Component”.



- e) Custom duty applicable on FE component for all Foreign items.
- f) The Local Supplier are required to provide self-certification as per **Enclosure-14**. Note: In cases of procurement for value in excess of Rs. 10 Crores, the local supplier shall be required to provide a certificate from statutory auditor or cost auditor of the company (in case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of supplier other than companies) giving the percentage of local content & applicable item wise custom duty.

28.4.2. Bidders are required to note that once the declaration/certification is committed at tender submission stage, the same cannot be altered at technical negotiation stage or after award of contract otherwise would be treated / considered as false declaration by bidder.

28.4.3. Custom duty issue: Imported / FE content is inclusive of all custom duties which is required for arriving local content, there could be situation where bidders may quote different custom duty. Therefore following clauses shall be incorporated.

- a) All bidders should upfront declare line item wise custom duty duly certified. Such declared custom duty percentage will only be considered for arriving local content.
- b) In the event if the rate of custom duty is found higher than the declared custom duty by bidder, then the bidders declaration shall be final for arriving L1 bid. Also in such case the difference in custom duty would be to bidders account. In case of foreign bidders, the same would be to bidders account and shall not be borne or reimbursed by Shipyard.
- c) In the event of rate of custom duty happens to be lower at the time of clearance of goods, then actual custom duty shall be payable.
- d) Notwithstanding above, local content shall be calculated based on the declared custom duty by the bidder in techno-commercial bid.

### **29. बोलियाँ में संशोधन / MODIFICATION TO THE BIDS:**

29.1. Bidders desirous of modifying their bids prior to the closing date & time may do so online in the e-Procurement Portal <http://eprocuremdl.nic.in> prior to the tender closing date & time.

### **30. सार्वजनिक शिकायत कक्ष / PUBLIC GREIVANCE CELL:**

30.1. A Public Grievance Cell headed by **General Manager (F-P&S)** has been set up in the Company. Members of public having complaints or grievances are advised to contact him on Wednesday between 10:00 hours and 12:30 hours in his office on **6<sup>th</sup> Floor, Mazdock House** or send their complaints / grievances to him in writing for redressal. His Telephone No. is **2378 2338/ 2376 2106**

### **31. वृद्धि / ESCALATION:**

31.1. If the prices of materials (not being materials supplied or services rendered at fixed prices by MDL and/or wages of labour required for execution of the work) increase, the Contractor shall be compensated for such increase as per provisions detailed below and the amount of the contract shall accordingly be varied, subject to the condition that such compensation in prices shall be available only for the work done during the stipulated period of the contract including such period for



which the contract is validly extended under the provisions of the contract. Such compensation for escalation in the prices of materials and labour, when due shall be worked out based on the following provisions.

31.1.1. The base date for working out such escalation shall be the last date on which tenders were stipulated to be received.

31.1.2. The cost of work on which escalation will be payable shall be reckoned as 85% of the cost of work as per the bills, running or final, and from this amount the value of materials supplied or services rendered at fixed charges shall be deducted before the amount of compensation for escalation is worked out. In the case of materials brought to site for which any secured advance is included in the bill the final value of such materials as assessed by the Engineer-In-Charge (and not the reduced amount for which secured advance has been paid) shall be included in the cost of work done for operation of this clause. Similarly, when such materials are incorporated in the work and the secured advance is deducted from the bill, the full assessed value of the materials, originally considered for operation of this clause, should be deducted from the cost of the work shown in the bill, running or final. Further the cost of the work shall not include any work for which payment is made at prevailing market rates.

31.1.3. The compensation for escalation for materials, labour and P.O.L. shall be worked out as per the formula given below.

$$\text{i) } V_m = W \times 0.70 \times (M_i - M_{i0})/M_{i0}$$

Where

- $V_m$  : Variation in material cost i.e. increase or decrease in the amount in rupees to be paid or recovered.  
 $W$  : Cost of work done worked out as per para 30.1.2 above.  
 $M_i$  &  $M_{i0}$  : All India Wholesale Price Index for **All Commodities**, for the period under reckoning as published by the Economic Advisor to Government of India, Ministry of Industry and Commerce, for the period under consideration and that valid at the time of receipt of tender, respectively.

$$\text{ii) } V_l = W \times 0.25 \times (L_i - L_{i0})/L_{i0}$$

Where

- $V_l$  : Variation in labour cost i.e. increase or decrease in the amount in rupees to be paid or recovered.  
 $W$  : Cost of work done worked out as per para 31.1.2 above.  
 $L_i$  &  $L_{i0}$  : **Consumer Price Index** for Industrial Labour (All India) declared by Labour Bureau, Govt. of India) as applicable for the period under consideration and that valid at the time of receipt of tenders, respectively.

$$\text{iii) } V_f = W \times 0.05 \times (F_i - F_{i0})/F_{i0}$$

- $V_f$  : Variation in cost of fuel, oil and lubricants, increase or decrease in the amount in rupees to be paid or recovered.  
 $W$  : Cost of work done worked out as per para 31.1.2 above.  
 $F_i$  &  $F_{i0}$  : Average index number of whole sale price for **group (fuel, power, light and lubricants)** - as published by the Economic Adviser to Govt. of India, Ministry of Industry & Commerce for the period under reckoning



and that valid at the time of receipt of tenders, respectively.

31.1.4. The following principles shall be followed while working out the indices mentioned in sub para 30.1.3 above.

- i) The index relevant for any month will be the arithmetical average of the indices relevant to the three calendar months preceding the month in question.
- ii) The base index will be the one relating to the month in which the tender was stipulated to be received.
- iii) The compensation for escalation shall be worked out at quarterly intervals and shall be with respect to the cost of work done during the previous three months. The first such payment will be made at the end of six months excluding the month in which the tender was submitted and thereafter at three months interval.

31.2. In the event the price of materials and/or wages of labour required for execution of the work decrease/s, there shall be downward adjustment of the cost of work so that such price of materials and/or wages of labour shall be deductible from the cost of work under this contract and in this regard the formula herein before stated under this Para 31.1.3 shall mutatis mutandis apply.

### **32. परिनिर्धारित हर्जाना / LIQUIDATED DAMAGES:**

32.1. Time is the essence of the contract and therefore the job, as ordered, should be completed on the dates mutually agreed upon in accordance with the delivery schedule. In cases of delay not attributable to MDL beyond the agreed schedule, the Contractor shall pay liquidated damages, a sum representing 0.5% (Half percent) per week or part thereof, subject to maximum of 5% of the undelivered/ unfinished portion of the order/ contract.

32.2. If the Contractor fails to complete the works within the time or extended time as per the Order, then the contractor shall pay to MDL the sum stated above as liquidated damages for such default and not as a penalty for every day or part of a day which shall elapse between the time prescribed or extended time as the case may be and the date of completion of works. MDL may without prejudice to any other method of recovery deduct the amount of such damages from any monies in his hands due or which may become due to the contractor. The payment or deduction of such damages shall not relieve the contractor from his obligation to complete the works or from any other of his obligations and liabilities under the contract.

32.3. If before the completion of the whole of the works, any part of the works has been certified by MDL and Architect/Consultant as completed and occupied or used by MDL, the liquidated damages for delay shall for any period of delay after such certification be reduced in the proportion which the value of the part so certified bears to the value of the whole of the works.

### **33. बाधा / HINDRANCE:**

33.1. A Hindrance Register as per attached format at **Enclosure-7** shall be maintained with the Designated Representative from TS Department. The Contractor shall submit schedule for completion of work and get it signed by MDL executive & representative of the Architect/Consultant. The Schedule shall list out the major milestones leading to the completion of work as per final delivery date stipulated in the PO/Contract.

33.2. The Hindrance Register shall document the following aspect post placement of the PO/ Contract:-

- 33.2.1. Reasons for the delay vis-à-vis the mutually agreed schedule





- 33.2.2. Delay in inputs (Drawings/ Documents/ Site Clearances/ Services/ Inspection Call)
- 33.2.3. Delay by Inspection Agency/ Customer
- 33.2.4. Delay on account of specialist services
- 33.2.5. Non performance by the Contractor
- 33.2.6. Delinquency by the vendor
- 33.2.7. Force Majeure
- 33.2.8. Any other relevant reason

33.3. All the hindrances with date of occurrence and removal are to be noted in the hindrance register. The Hindrance Register will be signed by the Designated Representatives from Technical Services Department (MDL) & Architect/Consultant and the authorized Signatory from the Contractor side.

33.4. The Contractor may record their observations in the hindrance register. Any objections raised by the contractor shall be attended to and resolved without any delay.

33.5. In case the contractor has a different opinion for hindrance and a dispute arises, then the matter shall be referred to next higher authority in MDL and the decision shall be communicated to the Contractor within 15 days. **The Contractor shall note that the decision of the next higher authority from MDL in case of dispute in respect of hindrances during the course of executing an order/ contract shall be final and binding on the contractor.**

33.6. In case, Consultant RJBCPL and MDL is unable to remove the hindrance immediately and if it is likely to take some time, the contractor shall be informed accordingly by the user. In such cases the contractor with with Consultant RJBCPL and MDL's approval may reduce manpower deployed on the work. The Contractor **shall also note that Under no circumstances Contractor shall be paid for idle manpower.**

#### **34. बोलियों को श्रेणीबद्ध करने हेतु भार लाने का मापदंड / LOADING CRITERIA FOR RANKING OF BIDS:**

34.1. It is desirable that the bidders accept the tender terms & conditions without any deviation. In case of deviations sought by bidders against Payment Terms/other Commercial Terms, the Price Bids of such bidders shall be loaded for ranking of bids to judge the Lowest (L1) bidder as detailed below:

34.1.1. It is desirable that the bidder accepts the Terms of Payments indicated in the tender enquiry above. Varied payment terms quoted by indigenous bidders as compared to the terms stated in the Tender document shall be normalized by adopting the Prime Lending Rate of State Bank of India plus 2% thereon on the amount (s) at variation and / or for the period (in no. of days) at variation.

34.1.2. For the additional delivery period sought by the bidder over the stipulated date of delivery as per Tender, 0.50% per completed week may be loaded to the quoted price.

34.1.3. Deviations sought in respect of rate per week and / or maximum ceiling in respect of liquidated damages shall be loaded to the quoted price. For example, the maximum ceiling towards liquidated damages stipulated in the Tender is 5% and the bidder seeks to limit it to, say 3.50% then the price quoted will be loaded by 1.5%. If the rate of LD per week is 0.50% per week or part thereof as per tender and the bidder seeks it as, say, 0.40% per week or part thereof, the maximum ceiling on LD as per tender will first be equated to weeks (10 weeks in this case) and the rate proposed by the bidder i.e. 0.40% will be multiplied by the so equated maximum period (which works out to 4%) and the quoted price will be loaded accordingly by



1%. Delivery being the essence of the contract, it is desirable that the bidder(s) adhere to the stipulated clause.

34.1.4. Bidder(s) are advised to peruse the loading criteria thoroughly and understand the same. In case of doubt, bidders are required to get clarification on the same prior to submission of their bid(s). Revision of price bids due to reason of lack of clarity on loading factors shall not be allowed.

**35. ठेकेदारों के कर्मचारियों का पुलिस सत्यापन/ POLICE VERIFICATION OF CONTRACTOR'S EMPLOYEES:**

35.1. The successful bidder shall have to obtain Police Verification Report (PVR) of their Employees prior to deployment at Naval Dock site for execution of the work A Detailed procedure for Entry Passes for Contractor's Employees is displayed on MDL's website [www.mazdock.com](http://www.mazdock.com) BIDDERS ARE REQUESTED TO NOTE THE SAME. NO RELAXATION SHOULD BE ASKED FOR.

**36. ई-टेंडरिंग के लिये मार्गदर्शन / GUIDANCE FOR E-TENDERING:**

36.1. No offer in sealed envelope will be accepted against e-Procurement.

36.2. For any further details on e-tendering & Digital Signature Certificate(DSC), following are the contact details – email: [eproc-support@gov.in](mailto:eproc-support@gov.in) , global support number - +91-120-4200462/+91-120-4001002, Mobile No - +918826246593.

36.3. For uploading the tender details, DSCs issued by the following are acceptable: i) n-Code ii) MTNL iii) TCS iv) SIFY

36.4. For mapping of DSC, representative of National Informatics Centre may be contacted.

36.5. Bidders who had earlier participated in MDL tenders on e-Procurement portal <https://mdl.eproc.in> need to register again on the current e-Procurement portal <https://eprocuremdl.nic.in>

36.6. Training to vendors for E-procurement is organized by CIT department of Mazagon Dock Shipbuilders Limited & National Informatics Centre Representative on every Friday at 1400 hrs in CIT Department. Vendors desirous of attending the training may contact Mr. Sagar Shende, M(ICC) on telephone +91-22-23763251 & email – [sushende@mazdock.com](mailto:sushende@mazdock.com)

**37. अनुचित ऑनलाइन भरना / IMPROPER ONLINE FILLING:**

37.1. In case of improper on-line filling of Acceptance Formats for Tender Enquiry Form, General Terms and Conditions (GT and C) and Standard Terms and Conditions (STACS), it shall be presumed that all our tender terms & conditions are acceptable to bidder.

**38. अन्य साइट की आवश्यकताएँ/ SPECIAL CONDITIONS (AT SITE):**

**38.1. CONTRACTOR'S BARRICADES**

38.1.1. Contractor shall arrange to barricade the area where debris and construction materials are stored with relevant board indicating name of Contractor, work and its duration. Contractor shall arrange to clear the debris on daily basis and keep the surrounding clean at all times.

38.1.2. Contractor shall erect and maintain at his own cost barricades required in connection with his operation to guard or protect the storage and site offices etc.

38.1.3. Barricades and hazardous areas adjacent to but not located in normal routes of travel shall be marked by red flasher lanterns at night without any extra cost.



38.1.4. The Contractor has to provide Sign board at site with detailed name of project, name of client and name of Contractor at the entrance of the site and shall be clearly visible without any extra cost.

38.1.5. The Contractor shall also comply with the provisions of Environment Protection Act with regard to air, water & noise pollution.

38.1.6. The Contractor shall provide suitable safety net to prevent damage to men / material at site as directed by Engineer Incharge.

38.1.7. DEPUTAION OF MANPOWER AT SITE:

36.1.7.1 **Administrative Manpower:** At their own cost, Contractor shall depute One office assistant for administrative works such as gate passes, Material entry, etc. at site

**39. दस्तावेज बनाए/ प्रस्तुत रखा जाना चाहिए / DOCUMENTS TO BE MAINTAINED /SUBMITTED AT SITE:**

39.1. The following registers/ documents will be submitted at site to Employer's Representative by the contractor for approval/ record at his own cost.

(a) QA/QC plan.

(b) Delivery Schedule.

(c) Daily Progress Report.

(d) Monthly Progress Report on 25th day of every month along with progress photographs in approved format for the entire project period.

39.2. The following registers/documents will be maintained at site by the contractor at his own cost. They should be available for inspection by Employer's representative during his site visit or as required by Employer.

(a) Work instruction Book: For issue of instructions at site. This book shall be in the form of Triplicate book where one copy is taken by inspecting officer, another by the contractor and the third copy remains in the book on which the compliance to be done and noted by Contractor is recorded.

(b) Tender: Certified copy with accepted rates & specifications.

(c) Drawings: One set of all architectural, structural and other drawings issued for the job well preserved by pasting canvass cloth and covered by transparent polythene paper.

(d) Time Bar Chart: Showing latest item wise progress & bar charts for planning.

(e) Hindrance Register: For recording any hindrances, reasons & its clearance

**40. प्रगति की समीक्षा करे / PROGRESS REVIEW:**

40.1. Progress of the work shall be reviewed regularly in a meeting between the Contractor and the Employer. The meeting shall be held as often as required depending on the exigencies of the work or in any case at least once a month at a mutually convenient time, date at either work site or office of the Client.

**41. उपलब्धता का रेत/ अन्य निर्माण सामग्री/ AVAILABILITY OF SAND/OTHER CONSTRUCTION MATERIAL:**

41.1. During the tenure of the Contract due to the various reasons, there may be scarcity of availability of cement, sand, aggregate or other construction materials in region & this type of crises may be for short term or long term. In such circumstances Contractor shall arrange to procure the sand/other Material available from other state/region of India with no additional cost to MDL. The cost of the same is deemed to be included in Bidder's quote.

**42. एमडीएल का अधिकार / MDL's RIGHT:**

42.1. MDL reserves the right to consider placement of Order / Contract in part or in full against the tendered quantity or reject any or all tenders without assigning any reasons thereof.

We look forward to your participation in on-line bidding by offering your most competitive and reasonable bid against this tender.

Yours faithfully,  
For **MAZAGON DOCK SHIPBUILDERS LIMITED**,

AGM/HOD (TS –Commercial)  
(A. M. Abhyankar)

**Email: [tscomm@mazdock.com](mailto:tscomm@mazdock.com)**

**Enclosures:**

|     |  |   |   |
|-----|--|---|---|
| 1.  | Enclosure-1                            | - | Form of undertaking to be furnished by the bidder   |
| 2.  | Enclosure-2                            | - | MDL Bank Account Details for Online Remittance of EMD/Security Deposit                        |
| 3.  | Enclosure-3                            | - | RTGS/NEFT/ECS – Mandate Authorisation Form  |
| 4.  | Enclosure-4                            | - | Proforma Bank Guarantee format for Bid Bond / EMD   |
| 5.  | Enclosure-5                            | - | Proforma for Performance Bank Guarantee   |
| 6.  | Enclosure -5A                          | - | PROFORMA FOR WATERPROOFING BANK GUARANTEE   |
| 7.  | Enclosure-6                            | - | Extract of Official Secrets Act, 1923   |
| 8.  | Enclosure-7                            |   | Hindrance Register Format   |
| 9.  | Enclosure-8                            | - | Price Bid (Part-II) - <b>to be submitted online</b>   |
| 10. | Enclosure-9                            | - | Tender Drawings (attached separately)   |
| 11. | Enclosure-10                           | - | Annexure-I (Technical Specifications) attached separately.                                    |
| 12. | Enclosure-11                           | - | PARTICULARS OF EXPERIENCE IN SIMILAR PROJECTS   |
| 13. | Enclosure-12                           | - | Financial Information of Bidder   |
| 14. | Enclosure-13                           | - | Details of Existing Commitments & Ongoing Works   |
| 15. | Enclosure-14                           | - | DECLARATION CERTIFICATE FOR LOCAL CONTENT   |
| 16. | Enclosure-15                           | - | Standard Terms & Conditions (STACS) – <b>attached separately</b>                              |
| 17. | Enclosure-16                           | - | General Terms & Conditions (GT&C) – <b>attached separately</b>                                |
| 18. | Enclosure-17                           | - | Format for Covering Note for Submission of Invoice  |
| 19. | Statutory requirements & Safety clause | - | <b>To be downloaded from our website <a href="http://www.mazdock.com">www.mazdock.com</a></b> |

**Enclosure-1****FORM OF UNDERTAKING TO BE FURNISHED BY THE BIDDER**

(To be typed on Bidder's Letterhead)

To  
The Additional General Manager/HOD (TS),  
Mazagon Dock Shipbuilders Limited,  
Dockyard Road, Mumbai-400 010.

**Sub:** Creation of New Interior facilities for HR & CP Department at 2nd floor,  
Mazdock House, North Yard, MDL.

**Ref: MDL Tender Enquiry No. 1900000043**

1. Having visited the site and having examined the General Conditions of Contract, Technical Specifications, Drawings and Bill of Quantities for the above named work, we offer to construct, complete and maintain the whole of the said works in conformity with the said General Conditions of Contract, Technical Specifications, Drawings and Bill of Quantities for the sum stated in Bill of Quantities included in this Tender Document for such other sum as may be ascertained in accordance with the said conditions of Contract.
2. We undertake to complete and deliver the whole of the works comprised in the Contract within the time stated in this tender.
3. We have independently considered the amount of Liquidated damages indicated in the tender and agree that it represents a fair estimate of the loss likely to be suffered by you in the event of the work(s) not being completed in time.
4. If our Tender is accepted, we will, when required, obtain the guarantees from a Bank (to be approved by you) to be jointly and severally bound with us for the sum named in the tender for the due performance of the Contract under the terms of a Bond to be approved by you.
5. The Contractor's All Risk Policy for the full value of the Contract valid till the completion period will be obtained by us in the joint names of Mazagon Dock Shipbuilders Limited and ourselves.
6. We agree to abide by this Tender for the period of **120** days from the date fixed for receiving the same and it shall remain binding upon us and may be accepted at any time before the expiry of this period.
7. Unless and until a formal Agreement or Order is prepared and executed, this tender together with your written acceptance thereof, shall constitute a binding Contract between us.
8. We understand that if our Tender-Bid is accepted, we are to be jointly and severally responsible for the due performance of the Contract.
9. We understand that you are not bound to accept the lowest or any Tender you may receive.
10. We undertake to comply with the Anti profiteering provisions of GST Act 2017

Dated this \_\_\_\_\_ day of \_\_\_\_\_ (year)

Signature \_\_\_\_\_ in the capacity of \_\_\_\_\_

duly authorised to sign Tenders for and on behalf of \_\_\_\_\_

(IN BLOCK CAPITALS)

Witness:

Signature \_\_\_\_\_ Address of Witness \_\_\_\_\_

Name \_\_\_\_\_ Occupation \_\_\_\_\_

**Enclosure-2**

MAZAGON DOCK SHIPBUILDERS LIMITED  
DOCKYARD ROAD  
MUMBAI - 400010

**1. MDL'S BANK ACCOUNT DETAILS:**

|                            |   |  |
|----------------------------|---|--|
| NAME OF BANK A/C<br>HOLDER | : | <b>MAZAGON DOCK SHIPBUILDERS LTD</b>                   |
| BANK AND BRANCH            | : | <b>STATE BANK OF INDIA, MAZAGON BRANCH,<br/>MUMBAI</b> |
| BRANCH CODE                | : | <b>9054</b>  |
| BANK ACCOUNT NO            | : | <b>10005255246</b>                                     |
| IFSC CODE                  | : | <b>SBIN0009054</b>                                     |
| MICR/NECS CODE             | : | <b>400002120</b>                                       |
| INCOME TAX PAN NO          | : | <b>AAACM8029J</b>                                      |

**2. DETAILS OF REMITTANCE TO MDL'S BANK ACCOUNT:**

*(To be filled in by the vendors/firms making remittance of funds in MDL'S Bank Account)*

| <b>Date of Remittance</b> | <b>Name of Firm</b> | <b>UTR No.</b> | <b>MDL tender/PO. Ref No.</b> | <b>Nature of Remittance viz. EMD/SD etc</b> | <b>Amount Remitted (₹)</b> |
|---------------------------|---------------------|----------------|-------------------------------|---|----------------------------|
|                           |                     |                |                               |   |                            |
|                           |                     |                |                               |   |                            |
|                           |                     |                |                               |   |                            |

**Signature of Bidder**

3. SAP Parked document No: \_\_\_\_\_ Date: \_\_\_\_\_  
*(To be filled in by MDL's Commercial Executive)*

**Note:** Sr. No.2 and 3 above will be filled in by the Bidder and MDL Commercial Executive respectively and the form forwarded to Treasury Section for posting of SAP Document to the respective Bank Account.

**Enclosure-3****RTGS/NEFT/ECS – MANDATE AUTHORISATION FORM**

|     |                           |   |  |
|-----|---------------------------|---|--|
| 1.  | VENDOR NAME               | : |  |
| 2.  | PAN NO                    | : |  |
| 3.  | VENDOR ADDRESS            | : |  |
| 4.  | VENDOR'S<br>TELEPHONE/FAX | : |  |
| 5.  | E-MAIL ADRESS             | : |  |
| 6.  | BANK NAME                 | : |  |
| 7.  | BANK ADDRESS              | : |  |
| 8.  | ACCOUNT NUMBER            | : |  |
| 9.  | ACCOUNT TYPE              | : |  |
| 10. | NEFT CODE                 | : |  |
| 11. | RTGS CODE                 | : |  |
| 12. | MICR CODE                 | : |  |
| 13. | GST REGISTRATION NO       | : |  |

We hereby declare that the particulars given above are correct and complete. If the transaction is delayed for reasons of incomplete or incorrect information, we would not hold MDL responsible.

**Date****Vendor's Seal****Authorised Signature of the Vendor**

**Certified that the particulars as per Serial No. 1 & 6 to 12 are correct as per our records.**

**Date****Bank's Stamp****Authorised Signature of the Bank Officer**

**Enclosure-4****PROFORMA BANK GUARANTEE FOR BID BOND / EMD**

(On Non-Judicial stamp paper)

IN CONSIDERATION OF MAZAGON DOCK SHIPBUILDERS LIMITED, a company incorporated under the Companies Act 1956 and having its registered office at Dockyard Road, Mumbai 400010 (hereinafter referred to as the "the Company" which expression shall, unless it be repugnant or contrary to the subject or context thereof, be deemed to mean and include its successors and assigns) having agreed to accept the Earnest Money Deposit (EMD) of Rs------(Rupees----- only) in the form of Bank Guarantee from Messers ..... a partnership firm/sole proprietor business/a company registered under the Companies Act, 1956 having its office at .....(hereinafter called " the tenderer" which expression shall, unless it be repugnant or contrary to the subject or context thereof, be deemed to mean and include its successors and assigns) for participating in the Tender no.....dated..... (hereinafter called "the tender" which expression shall include any amendments/alterations to "the tender" issued by "the Company") for the supply, delivery at site, installation and commissioning of certain equipment, item/services/civil works etc., We, ..... Bank having office at ..... (hereinafter referred to as "the Bank" which expression shall includes its successors and assigns) hereby agree to pay to the Company without any demur on first demand an amount not exceeding Rs..... (Rupees.....only) against any loss or damage, costs, charges and expenses caused to or suffered by the Company by reason of non performance and non-fulfilment or for any breach on the part of the tenderer of any of the terms and conditions of the said tender.

2. We, ..... Bank further agree that the Company shall be sole judge whether the said tenderer has failed to perform or fulfil the said tender in terms thereof or committed breach of any terms and conditions of the tender the extent of loss, damage, cost, charges and expenses suffered or incurred or would be suffered or incurred by the Company on account thereof and we waive in the favour of the Company all the rights and defences to which we as guarantors may be entitled to.

3. We, ..... Bank further agree that the amount demanded by the Company as such shall be final and binding on the Bank as to the Bank 's liability to pay and the amount demanded and the Bank undertake to pay the Company the amount so demanded on first demand and without any demur notwithstanding any dispute raised by the tenderer or any suit or other legal proceedings including arbitration pending before any court, tribunal or arbitrator relating thereto, our liability under this guarantee being absolute and unconditional.

4. We, ..... Bank further agree with the Company that the Company shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said tender/or to extend time of performance by the tenderer from time to time or to postpone for any time to time any of the powers exercisable by the Company against the tenderer and to forbear to enforce any of the terms and conditions relating to the tender and we shall not be relieved from our liability by reason of any such variation or extension being granted to the tenderer or for any forbearance, act or omission on the part of the Company or any indulgence by the Company to the tenderer or by any such matter or things whatsoever which under the law relating to sureties would have the effect of relieving us.





5. We, ..... Bank further undertake not to revoke this guarantee during its currency except with the previous consent of the Company in writing.

6. We, ..... Bank also agree that the Bank's liability under this guarantee shall not be affected by any change in the constitution of the tenderer or dissolution or winding up of the business of the tenderer.

7. Notwithstanding anything contained herein above:  
i) Our liability under this guarantee shall not exceed Rs.....  
ii) This Bank Guarantee shall be valid upto and including .....; and  
iii) We are liable to pay the guarantee amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written claim or demand on or before .....(validity + --- weeks from the date of expiry of this guarantee).

8. This Guarantee shall be governed by Indian laws and the Courts at Mumbai, India shall have the exclusive jurisdiction.

IN WITNESS WHEREOF the Bank has executed this document on this..... day of .....

For ..... Bank  
(by its constituted attorney  
or the person authorised to sign)

(Signature of a person authorised  
to sign on behalf of "the Bank")

**Enclosure-5****PROFORMA FOR PERFORMANCE BANK GUARANTEE**

(On Non-Judicial stamp paper)

IN CONSIDERATION OF MAZAGON DOCK SHIPBUILDERS LIMITED (formerly known as MAZAGON DOCK LIMITED, a company incorporated under the Companies Act 1956 and having its registered office at Dockyard Road, Mumbai 400010 (hereinafter referred to as the "the Company" which expression shall, unless it be repugnant or contrary to the subject or context thereof, be deemed to mean and include its successors and assigns) having placed an order on Messers ..... a partnership firm/sole proprietor business/a company registered under the Companies Act, 1956 having its office at .....(hereinafter called " the Contractor" which expression shall, unless it be repugnant or contrary to the subject or context thereof, be deemed to mean and include its successors and assigns) vide order No..... dated..... (hereinafter called "the order" which expression shall include any amendments/alterations to "the order" issued by "the Company") for the work of \_\_\_\_\_ as stated in the said Order and the Company having agreed that the Contractor shall furnish a security for the performance of the Contractor obligations and/or discharge of the Contractor liability in connection with the said order and the Company having agreed with the Contractor to accept a performance guarantee, We, ..... Bank having office at ..... (hereinafter referred to as "the Bank" which expression shall includes its successors and assigns) hereby agree to pay to the Company without any demur on first demand an amount not exceeding Rs..... (Rupees.....only) against any loss or damage, costs, charges and expenses caused to or suffered by the Company by reason of non performance and non-fulfilment or for any breach on the part of the Contractor of any of the terms and conditions of the said order.

2. We, ..... Bank further agree that the Company shall be sole judge whether the said Contractor has failed to perform or fulfil the said order in terms thereof or committed breach of any terms and conditions of the order and the extent of loss, damage, cost, charges and expenses suffered or incurred or would be suffered or incurred by the Company on account thereof and we waive in the favour of the Company all the rights and defences to which we as guarantors may be entitled to.

3. We, ..... Bank further agree that the amount demanded by the Company as such shall be final and binding on the Bank as to the Bank's liability to pay and the amount demanded and the Bank undertake to pay the Company the amount so demanded on first demand and without any demur notwithstanding any dispute raised by the Contractor or any suit or other legal proceedings including arbitration pending before any court, tribunal or arbitrator relating thereto, our liability under this guarantee being absolute and unconditional.

4. We, ..... Bank further agree with the Company that the Company shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said order/or to extend time of performance by the Contractor from time to time or to postpone for any time to time any of the powers exercisable by the Company against the Contractor and to forbear to enforce any of the terms and conditions relating to the order and we shall not be relieved from our liability by reason of any such variation or extension being granted to the Contractor or for any forbearance, act or omission on the part of the Company or any indulgence by the Company to the Contractor or by any



such matter or things whatsoever which under the law relating to sureties would have the effect of relieving us.

5. We, ..... Bank further undertake not to revoke this guarantee during its currency except with the previous consent of the Company in writing.

6. We, ..... Bank also agree that the Bank's liability under this guarantee shall not be affected by any change in the constitution of the Contractor.

7. Notwithstanding anything contained herein above:

- i) Our liability under this guarantee shall not exceed Rs.....
- ii) This Bank Guarantee shall be valid upto and including .....; and
- iii) We are liable to pay the guarantee amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written claim or demand on or before .....(validity + ---weeks from the date of expiry of this guarantee).

8. This Guarantee shall be governed by Indian laws and the Courts at Mumbai, India shall have the exclusive jurisdiction.

IN WITNESS WHEREOF the Bank has executed this document on this..... day of .....

For ..... Bank  
(by its constituted attorney)

(Signature of a person authorised  
to sign on behalf of "the Bank")

**Enclosure-5A****PROFORMA FOR WATERPROOFING BANK GUARANTEE***(On Non-Judicial stamp paper)*

IN CONSIDERATION OF MAZAGON DOCK LIMITED, a company incorporated under the Companies Act 1956 and having its registered office at Dockyard Road, Mumbai 400010 (hereinafter referred to as the "the Company" which expression shall, unless it be repugnant or contrary to the subject or context thereof, be deemed to mean and include its successors, liquidators and assigns) having placed an order on Messers ..... a partnership firm/sole proprietor business/a company registered under the Companies Act, 1956 having its office at .....(hereinafter called " the Contractors" which expression shall, unless it be repugnant or contrary to the subject or context thereof, be deemed to mean and include its successors and assigns) vide order No..... dated..... (hereinafter called "the order" which expression shall include any amendments/alterations to "the order" issued by "the Purchaser") for the work of \_\_\_\_\_ as stated in the said Order and the Company having agreed that the Contractors shall furnish a security for the performance of the Contractors obligations and/or discharge of the Contractors liability in connection with the waterproofing work(s) executed under the said order and the Company having agreed with the Contractors to accept a waterproofing bank guarantee, We, ..... Bank having office at ..... (hereinafter referred to as "the Bank" which expression shall includes its successors and assigns) hereby agree to pay to the Company without any demur on first demand an amount not exceeding Rs..... (Rupees.....only) 10% of the total value of waterproofing work(s) in the order against any loss or damage, costs, charges and expenses caused to or suffered by the Company by reason of any defects in waterproofing work done by the Contractor, as per the terms and conditions of the said order.

2. We, (Bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for satisfactory performance and fulfilment in all respects of the said contract which consists of 05 years after satisfactory completion of the waterproofing work as per terms and conditions of the said order.

3. We, ..... Bank further agree that the Company shall be sole judge whether the said Contractors has failed to perform or fulfil the said order in terms thereof or committed breach of any terms and conditions of the order and the extent of loss, damage, cost, charges and expenses suffered or incurred or would be suffered or incurred by the Company on account thereof and we waive in the favour of the Company all the rights and defences to which we as guarantors may be entitled to.

4. We, ..... Bank further agree that the amount demanded by the Company as such shall be final and binding on the Bank as to the Bank's liability to pay and the amount demanded and the Bank undertake to pay the Company the amount so demanded on first demand and without any demur notwithstanding any dispute raised by the Contractors or any suit or other legal proceedings including arbitration pending before any court, tribunal or arbitrator relating thereto, our liability under this guarantee being absolute and unconditional.

5. We, ..... Bank further agree with the Company that the Company shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said order/or to extend time of performance by the Contractors from time to time or to postpone for any time to time any of the powers exercisable by the Company against the



Contractors and to forbear to enforce any of the terms and conditions relating to the order and we shall not be relieved from our liability by reason of any such variation or extension being granted to the Contractors or for any forbearance, act or omission on the part of the Company or any indulgence by the Company to the Contractors or by any such matter or things whatsoever which under the law relating to sureties would have the effect of relieving us.

6. We, ..... Bank further undertake not to revoke this guarantee during its currency except with the previous consent of the Company in writing.

7. We, ..... Bank also agree that the Bank's liability under this guarantee shall not be affected by any change in the constitution of the Contractors.

8. Notwithstanding anything contained herein above:  
i) Our liability under this guarantee shall not exceed Rs.....  
ii) This Bank Guarantee shall be valid upto and including .....; and  
iii) We are liable to pay the guarantee amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written claim or demand on or before .....(validity + ---weeks from the date of expiry of this guarantee).

9. This Guarantee shall be governed by Indian laws and the Courts at Mumbai, India shall have the exclusive jurisdiction.

IN WITNESS WHEREOF the Bank has executed this document on this..... day of .....

For ..... Bank  
(by its constituted attorney)

(Signature of a person authorised  
to sign on behalf of "the Bank")

**Enclosure-6****EXTRACT OF PROVISIONS OF THE OFFICIAL SECRETS ACT, 1923****SECTION 2(B) ; “PROHIBITED PLACE”**

It is defined as the place of any work of Defence Dockyard and other so belonging or occupied and used for the purpose of building, repairing, making or storing any ammunitions of war.

For the purpose of the above definition, sketch includes any photograph or other mode of representing any place or thing.

**SECTION 3 : “PENALTIES FOR SPYING”**

If any per unlawfully -

- a) approaches, inspects, passes over or is in the vicinity of any clear place; or
- b) make any sketches intended to be directly or indirectly useful to an enemy ;  
or
- c) obtains, collects, records or communicates to any other person any secret official code.

Shall be liable for imprisonment of 14 years in case of Defence Installation.

**SECTION 4 : “COMMUNICATION WITH FOREIGN AGENTS”**

If Any person has been in communication with or attempted to communicate with foreign agents regarding the vital information of any “PROHIBITED PLACE” would be guilty of violating the provisions of this Act.

**SECTION 5 : “WRONGFUL COMMUNICATION OF INFORMATION”**

If any person having in his possession or control any official document;

- a) Willfully communicates to any person, other than a person, who is authorised to communicate it.
- b) Used the information in his possession for the benefit of any foreign power.
- c) Retain in his possession when he has no power to retain it
- d) Fails to take reasonable care of it.

Shall be guilty of an offence under this Act.

**SECTION 6 : “UNAUTHORISED USE OF UNIFORMS”**

If any person for the purpose of gaining admission or of assisting any other person to gain admission to a “PROHIBITED PLACE” wears uniforms without lawful authority shall be guilty of offence under this Section.

**SECTION 7 : “INTERFERING WITH OFFICERS OF POLICE”**

No person in the vicinity of any “PROHIBITED PLACE” shall obstruct any Police Officer engaged on guard, sentry or similar duty. If any person move in the



provisions of this section, shall be punishable with imprisonment, which may extend up to 3 years.

**SECTION 8 : “DUTY OF GIVING INFORMATION”**

It shall be duty of every person to give on demand to a superintendent of Police or any other Police Officer not below the rank of Inspector, any information in his power relating to an offence under this Act.

If any person fails to give such information, shall be punishable with imprisonment to 3 years or fine or with both.

**SECTION 9 : “INCITEMENT”**

Any person who attempts to commit or debate the commission of an offence under this Act shall be punishable with the same punishment and be liable to be proceeded against in the same manner as if he had committed such offence.

**SECTION 10 : “PENALTY FOR HARBOURING SPIES”**

If any person whom he knows or has reasonable grounds for supposing to be person who is about to commit or who has committed offence under this Act shall be guilty of offence under this Section.

**SECTION 11 : “SEARCH WARRANTS”**

If a presidency Magistrate, Magistrate First Class or Sub-Divisional magistrate is satisfied with the information that there is reasonable ground for suspecting that an offence under this Act has been or is about to be committed, he may grant search warrant to any Police Officer to enter at any time any premises to force to search premises or the places.

\_\*\*\*\*\*\_



**HINDRANCE REGISTER**

1. Name of the Work: .....
2. Contract Agreement No. : .....
3. Date of Commencement: .....
4. Stipulated Date of Completion: .....
5. Extended Date of Completion, if applicable: .....
6. Name of the Supplier / Contractor:.....

| Sr. No. | Nature of Hindrance | Activity of work affected | Date of notification by contractor | Name & Signature           |                       | Date of removal of hindrance | Action Taken               |                       |
|---------|---------------------|---------------------------|------------------------------------|----------------------------|-----------------------|------------------------------|----------------------------|-----------------------|
|         |                     |                           |                                    | Contractors Representative | Site Executive of MDL |                              | Contractors Representative | Site Executive of MDL |
|         |                     |                           |                                    |                            |                       |                              |                            |                       |





**PRICE BID (PART-II)**  
**BILL OF QUANTITIES**  
**(To be submitted online)**

**Sub: Creation of New Interior facilities for HR & CP Department at 2nd floor, Mazdock House, North Yard, MDL.**

**Ref: MDL Tender No. 190000043**

| Item BOQ | Item Description  | Qty | Unit | Estimated Rate (Rs) | Estimated Amount (Rs) |
|----------|---|-----|------|---------------------|-----------------------|
| 1        | DISMANTLING WORKS<br>Dismantling tile work in floors and roofs laid in cement mortar including stacking material at designated place within MDL premises before disposal as per direction of Engineer - in- charge etc. complete.<br>For thickness of tiles 10 mm to 25 mm              | M2  | 595  | 45.25               | 26923.75              |
| 2        | DISMANTLING WORKS<br>Dismantling tile work in floors and roofs laid in cement mortar including stacking material at designated place within MDL premises before disposal as per direction of Engineer - in- charge etc. complete.<br>For thickness of tiles above 25 mm and up to 40 mm | M2  | 15   | 70.56               | 1058.40               |
| 3        | DISMANTLING WORKS<br>Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material with in MDL Premises as directed by Engineer-in-charge.                        | M2  | 984  | 34.85               | 34292.40              |
| 4        | DISMANTLING WORKS<br>Demolishing brick work manually/ by mechanical means including stacking material at designated place within MDL premises before disposal as per direction of Engineer - in- charge etc. complete.<br>In cement mortar  | M3  | 12   | 1208.57             | 14502.84              |
| 5        | DISMANTLING WORKS<br>Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including stacking material at designated place within MDL premises before disposal as per direction of Engineer - in- charge etc. complete.                            | M2  | 532  | 32.13               | 17093.16              |
| 6        | DISMANTLING WORKS<br>Removing carefully existing door or windows with stone frame and shutters and making good etc to the existing surface including stacking within MDL premises etc. complete as directed.  | Nos | 17   | 226.37              | 3848.29               |
| 7        | DISMANTLING WORKS<br>Demolishing R.C.C. work manually/ by mechanical means including stacking material at designated place within MDL premises before disposal as per direction of Engineer - in- charge etc. complete.   | M3  | 1    | 2085.94             | 2085.94               |



|    |   |     |    |        |         |
|----|---|-----|----|--------|---------|
| 8  | DISMANTLING WORKS<br>Cutting holes up to 15x15 cm in R.C.C. floors and roofs for passing drain pipe etc. and repairing the hole after insertion of drain pipe etc. with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including finishing complete so as to make it leak proof. etc. complete.  | Nos | 5  | 300.08 | 1500.40 |
| 9  | DISMANTLING WORKS<br>Removing existing water proofing treatment from the toilet block including IPS/brickbat coba etc. without damages to structure, levelling and cleaning the surface for providing new specified water proofing treatment & carting away the same outside MDL to Municipal dumpig yard complete as directed by Engineer Incharge.  | M2  | 25 | 16.96  | 424.00  |
| 10 | DISMANTLING WORKS<br>Removing carefully existing Wash basin with frame including disconnecting the sanitary and water supply connections, fittings, removing the same carefully and staking serviceble material as and where directed within MDL premises and taking away the unserviceble material outside MDL premises etc. all complete  | Nos | 5  | 55.12  | 275.60  |
| 11 | DISMANTLING WORKS<br>Removing carefully existing Urinals with frame including disconnecting the sanitary and water supply connections, removing the same carefully and staking serviceble material as and where directed within MDL premises and taking away the unserviceble material outside MDL premises etc. all complete.  | Nos | 3  | 55.12  | 165.36  |
| 12 | DISMANTLING WORKS<br>Dismantling carefully existing WC pan (Indian or European) including disconnecting the sanitary and water supply connections, removing and breaking flooring and bed concrete around pans and removing pan carefully and staking serviceble material as and where directed within MDL premises and taking away the unserviceble material outside MDL premises etc. all complete. | Nos | 3  | 119.78 | 359.34  |
| 13 | DISMANTLING WORKS<br>Removing carefully existing flushing tank of any capacity of any materials including brackets and disconnecting and reconnecting existing fittings & staking serviceble material as and where directed within MDL premises and taking away the unserviceble material outside MDL premises etc. all complete.   | Nos | 3  | 561.01 | 1683.03 |
| 14 | DISMANTLING WORKS<br>Removing carefully existing Urinal partitions (stone work) and staking serviceble material as and where directed within MDL premises and taking away the unserviceble material outside MDL premises etc. all complete.   | Nos | 2  | 55.12  | 110.24  |
| 15 | Dismantling carefully existing G.I pipeline of any dia along with all its fittings viz. bib cock, collars, elbow etc and stacking material at designated place within MDL premises as per direction of Engineer - in- charge etc. complete.   | M   | 25 | 101.61 | 2540.25 |
| 16 | DISMANTLING WORKS<br>Removing tap of any size carefully and handing over the same to the MDL authorities etc complete   | Nos | 15 | 15.00  | 225.00  |



|    |   |    |      |         |           |
|----|---|----|------|---------|-----------|
| 17 | DISMANTLING WORKS<br>Dismantling existing C.I or AC or PVC pipeline of any dia. along with fittings & clamps including carting away debris etc. complete as directed.   | M  | 50   | 12.72   | 636.00    |
| 18 | DISMANTLING WORKS<br>Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, for all leads including all lifts involved. etc. complete.  | M3 | 95   | 535.24  | 50847.80  |
| 19 | DISMANTLING WORKS<br>Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after .The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer-in-charge .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once irrespective of duration of scaffolding. | M2 | 50   | 229.67  | 11483.50  |
| 20 | CONCRETE- PLAIN CEMENT CONCRETE<br>Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor, etc., up to floor five level. 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)   | M3 | 10   | 9389.89 | 93898.90  |
| 21 | CONCRETE- PLAIN CEMENT CONCRETE<br>Providing and applying POLYMER MODIFIED MORTAR(PMM) in proportion of 1(Polymer) : 5(Cement) : 15 (Quartz sand) by weight with water cement ratio of 0.35 including application of bond coat of Krishna Conchem or equivalent using brush in ratio of 1 (Polymer) :1 (Cement) : 0.35 (water) by weight including cleaning of surface with air mixed with water under pressure, and subsequent layer upto 10mm after hardening curing; all complete.(Polymer manufactured by sunanda, pidilite, fosroc, acro- chem, build core or equivalent) all complete as approved & as directed by Engineer.  | kg | 1000 | 101.80  | 101800.00 |



|    |  |     |     |         |          |
|----|--|-----|-----|---------|----------|
| 22 | CONCRETE- PLAIN CEMENT CONCRETE<br>Cleaning of reinforcement of any dia from rust from the reinforcing bars to give it a total rust free steel surface by using alkaline chemical rust remover of approved make with paint brush and removing loose particles after 24 hours of its application with wire brush and thoroughly washing with water and allowing it to dry, all complete as per direction of Engineer-In-Charge.   | LTR | 5   | 169.71  | 848.55   |
| 23 | CONCRETE- PLAIN CEMENT CONCRETE<br>Providing and applying two coats of <b>Rust preventive coating of IPNET of Krishna</b> Conchem or equivalent approved make after cleaning the existing surface from dust/ loose particles by applying air water under pressure etc complete as directed.  | LTR | 5   | 395.84  | 1979.20  |
| 24 | CONCRETE- PLAIN CEMENT CONCRETE<br>Providing and laying micro-concrete of Polycrete-A or equivalent from approved manufacturer in line and level to match with existing layer, using bonding coat of Sunepoxy-358 (Resin : Hardner mixed in the ratio 1 : 0.5 by weight) or equivalent with existing surface, curing, excluding form work etc. complete as directed (Rate is inclusive of bonding polymer coat).   | Kg  | 100 | 23.60   | 2360.00  |
| 25 | CONCRETE- PLAIN CEMENT CONCRETE<br>Providing and applying <b>Bonding coat</b> between concrete members like RCC slabs, columns, beams, Chajjas, pardis etc and cement mortar plaster using HACK AID PLAST of M/s. Sunanda Speciality Coatings Pvt. Ltd. or equivalent as per the instructions of manufacturer or Engineer Incharge; including cleaning the concrete surface thoroughly to remove dust, dirt, grime, deshuttering oils and rub down to a clean surface at all heights/ levels and locations and as directed by Engineer Incharge. | M2  | 15  | 44.23   | 663.45   |
| 26 | MASONRY AND PLASTERING WORKS<br>Providing and carrying out Pest-Control for termites, pests, white ants with final application of the chemical after completion of carpentry work. As per IS Code 6313 Part II or revisions thereof.including drilling holes at skirting level to allow the chemical to seep into walls, mixing chemical with the flooring mortar, contractor to give a certificate of Pest Treatment at the end of the job.(Measurement as per carpet area)   | M2  | 577 | 73.00   | 42121.00 |
| 27 | MASONRY AND PLASTERING WORKS<br>Providing and fixing <b>Siporex concrete block</b> masonry 150 mm thick with 1:4 cement sand mortar including curing, providing RCC (M15) stiffners at every 1200mm height including formwork and providing 2 nos. 8mm TMT Fe 500D longitudinally for each stiffners as reinforcement bars. (Note : Rate inclusive of concreting, shuttering and reinforcement) etc. complete as directed.   | M2  | 72  | 1222.20 | 87998.40 |
| 28 | MASONRY AND PLASTERING WORKS<br>Providing and laying Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in:<br>Cement mortar 1:4 (1 cement : 4 coarse sand)   | M3  | 1   | 8319.79 | 8319.79  |



|    |  |    |     |         |           |
|----|--|----|-----|---------|-----------|
| 29 | MASONRY AND PLASTERING WORKS<br>Providing & laying brick work / AAC block masonry / Tile brick masonry in superstructure upto floor V level, for each four floors or part thereof by mechanical means. Including RCC band etc. complete as directed.   | M3 | 2   | 8614.42 | 17228.84  |
| 30 | MASONRY AND PLASTERING WORKS<br>Providing and laying Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.<br>Cement mortar 1:3 (1 cement :3 coarse sand)   | M2 | 5   | 1016.33 | 5081.65   |
| 31 | MASONRY AND PLASTERING WORKS<br>Providing and applying 12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand) in line, level and plumb with river sand including rough marking to take in POP punning or any cladding, prewetting of walls, curing, Scaffolding etc complete.   | M2 | 537 | 248.03  | 133192.11 |
| 32 | MASONRY AND PLASTERING WORKS<br>Providing and applying 6 mm cement plaster of mix : 1:3 (1 cement : 3 fine sand) faced finished for R.C.C slabs & beams complete in all respects including scaffolding, curing and as directed by Engineer-in-charge.  | M2 | 5   | 206.22  | 1031.10   |
| 33 | MASONRY AND PLASTERING WORKS<br>Providing and fixing chicken mesh of 22 gauge, with about 30 cm. width at the junction of R.C.C members and brick work, of approved quality including fixing mesh in position by necessary drilling in concrete /B.B.masonry and or tying by binding wire etc. complete.   | M2 | 27  | 85.86   | 2318.22   |
| 34 | MASONRY AND PLASTERING WORKS<br>Providing and applying plaster / wall punning with plaster of paris ( with plaster of paris material of Ambuja / Mor Chap or equivalent make ) in 10 to 13 millimeter thickness to previously plastered surface / or on newly brick surface ( Excluding rough cast plaster ) in all position including preparing and Finishing the surface scaffolding etc.complete. | M2 | 25  | 562.86  | 14071.50  |
| 35 | MASONRY AND PLASTERING WORKS<br>Flat surfaces<br>Providing and applying Two coats of wall care Putty of 2mm thickness for plastered surface and 5-6mm thickness finished concrete surface to Ceiling and Walls to prepare surface even and smooth of Brands BIRLA WHITE, BERGER, BISION, J.K., make, etc complete.<br>a) For plastered walls/ceiling 2mm   | M2 | 415 | 102.82  | 42670.30  |
| 36 | WATERPROOFING WORKS<br>Providing water proof bedding for flooring of Bath and WC 25 mm thick in C.M. 1:3 including using approved water proofing compound in specified proportion as per manufacturers specifications for per bag of cement including leveling, curing etc. complete.  | M2 | 24  | 650.84  | 15620.16  |



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| 37 | <b>WATERPROOFING WORKS</b><br>Providing and laying <b>water proofing treatment in sunken portion</b> of WCs, bathroom, pantry etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. This layer shall be allowed to air cure for 4 hours. b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer shall be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with <b>polymer mixed slurry</b>   | M2 | 72 | 427.79  | 30800.88 |
| 38 | <b>WATERPROOFING WORKS</b><br>Providing & laying <b>water proofing treatment</b> to Toilet, Bathroom, pantry flooring by giving injections with cement solution with waterproofing compound into the floor slab so as to make it consistent, homogenous and impervious against leakage, seepage etc. The sunk portion shall then be covered with necessary brick bat waterproof coba in C.M.(1:5) of 100mm average thickness in required slope mixed with approved waterproofing compound as per manufacturer's specifications finished rough with jointless waterproof cement plaster in C.M.(1:3) 12mm to 15mm thk in all positions extending the water proofing upto 300 mm height, curing, leakage test after impounding the water for 7 days, etc. complete with 5 years guarantee etc.(Measurement in plan area ).                              | M2 | 24 | 1880.68 | 45136.32 |
| 39 | <b>WATERPROOFING WORKS</b><br>Extra for providing additional thickness of brick bats over average thickness of 100mm in 1:5 cement mortar mixed with waterproofing compound of approved make as per manufacturers specification as directed.  | M3 | 8  | 5376.00 | 43008.00 |
| 40 | <b>FLOORING &amp; CLADDING WORK</b><br>Providing and laying machine cut, mirror polished, Italian Marble stone flooring, staircase tread & risers, skirting with groove laid in required pattern in linear portion of the building all complete as per architectural drawings, with 18 mm thick stone slab laid over 20 mm (average) thick base of cement mortar 1:4 (1 white cement : 4 coarse sand) laid and jointed with white cement slurry @ 4.4 kg/sqm including pointing with white cement slurry admixed with pigment to match the marble shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. a. 16 to 18 mm thick Italian Marble stone slab,Perlato, Rosso verona, Botichino, CREMA, Fire Red or Dark Emperadore etc.(Basic rate of Italian marble of Rs. 6500/- Sq.mt.) | M2 | 2  | 9480.08 | 18960.16 |



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| 41 | <p>FLOORING &amp; CLADDING WORK<br/>Providing and fixing machine cut, mirror / eggshell polished, Marble stone work for wall lining (vener work) including dado, skirting, risers of steps etc., in required design and pattern wherever required, stones of different finished surface texture, on 12 mm (average) thick cement mortar 1:3 (1 white 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.</p> <p>16 to 18 mm thick Italian Marble stone slab,Perlato, Rosso verona, Botichino, CREMA, Fire Red or Dark Emperadore etc. (Basic rate of Italian marble of Rs. 6500/-Sq.mt.)</p> | M2 | 2   | 11833.75 | 23667.50   |
| 42 | <p>FLOORING &amp; CLADDING WORK<br/>Providing and Fixing Granite of 18mm thick gang saw cut mirror polished premoulded and prepolished machine cut for kitchen platforms, vanity counters, window sills, facias, staircase tread &amp; risers and similar location of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement : 4 coarse sand) with joints treated with white cement, mixed with matching pigments, epoxy touch ups, including rubbing, curing, moulding and polished to edge to give high gloss finish etc. complete at all levels as directed by Engineer-In-Charge<br/>-Granite of any colour and shade<br/>--Area of slab over 0.5 Sqm. Note:Items of work to be used (Basic rate of Granite of Rs. 2330/-Sq.mt)</p>   | M2 | 2   | 4464.71  | 8929.42    |
| 43 | <p>FLOORING &amp; CLADDING WORK<br/>Providing and laying vitrified floor tiles,cladding,skirting 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), cladding fixed with approved adhesive, including grouting the joints with white cement and matching pigments etc., complete. (Basic Rate of Vitrified tile of Rs. 1200/-Sq.mt.)<br/>Size of Tile 600x600 mm</p>  | M2 | 80  | 2016.86  | 161348.80  |
| 44 | <p>FLOORING &amp; CLADDING WORK<br/>Providing and laying vitrified floor tiles,cladding,skirting 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), cladding fixed with approved adhesive, including grouting the joints with white cement and matching pigments etc., complete. (Basic Rate of Vitrified tile of Rs. 1800/-Sq.mt.)<br/>Size of Tile 1000x1000 mm</p>  | M2 | 535 | 2951.11  | 1578843.85 |



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| 45 | FLOORING & CLADDING WORK<br>Providing and laying Anti-skid vitrified floor tiles,cladding,skirting 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), cladding fixed with approved adhesive, including grouting the joints with white cement and matching pigments etc., complete. (Basic Rate of Vitrified tile of Rs. 1200/-Sq.mt.)<br>Size of Tile 600x600 mm  | M2 | 18 | 2016.86 | 36303.48 |
| 46 | FLOORING & CLADDING WORK<br>Providing and laying Kota stone slab flooring over average mm thick base laid over of C.M 1:4 (1 cement : 4 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing etc. complete as directed. (Basic rate of kotah stone of Rs. 807/- Sq.mt.)<br>25 mm Thk.   | M2 | 5  | 2054.26 | 10271.30 |
| 47 | FLOORING & CLADDING WORK<br>Providing and fixing Composite Marble/ Agglomerate for floor, cill, jambs, skirting toilet partition set in 20mm thick cement mortar 1:4 bedding/back coat plaster ,white cement paste floating, joints finished neatly with matching coloured cement, curing, hand polishing, cleaning etc. complete, as directed. (Basic cost of composite marble/ Agglomerate Rs. 2691/- per sq.mt.)   | M2 | 18 | 4867.08 | 87607.44 |
| 48 | FLOORING & CLADDING WORK<br>Providing and erecting 600mm deep wash area counter in shape and design as directed. With approved 20mm thk granite top of approved shade, including 18MM cement mortar and LOCAL marble base, with LOCAL marble verticals and shelves as indicated, making cut-outs for sink, plumbing fixtures, gas cylinder pipes, etc, cost to include for all granite vertical patties, facias, splash - back patties, granite skirting etc. Polishing including edge polishing, washing, cleaning, and finishing the wall surface below the counter with 200mm x 200mm ceramic white colour tile including necessary cement mortar backing complete details as directed. running length of counters to be measured along their centre lines and paid for. (Basic cost of granite Rs. 2000/- Sq.mt.) | M  | 4  | 7665.64 | 30662.56 |
| 49 | FLOORING & CLADDING WORK<br>Providing & laying wash basin counter of 500-550 mm depth(clear) and at 700mm to 800 mm ht (top) above ffl. Of approved 20mm thk granite slab laid on 20mm thk white marble support with required cement mortar base & 100-150 mm thk chamfered and machine polished edge facia.it shall be supported on side walls & with white marble vertical supports as shown in the drawing. (Basic granite rate=Rs 2000 per sqm)   | M  | 6  | 3360.06 | 20160.36 |





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| 50 | <b>FLOORING &amp; CLADDING WORK</b><br>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 corrosion resistant 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. 450 mm Finished Floor Height (FFH). | M2 | 6   | 6131.24 | 36787.44  |
| 51 | <b>CARPENTRY WORK</b><br><b>Plywood panelling</b><br><b>Main Frame:</b> Out of 50mm x 50 x 1.5mm thick Aluminium Sections at approx. 450mm C/C vertically and horizontally @ 600mm C/C. All verticals secured to ceiling with anchor fasteners. glasswool infill of 24kg/m3 density to be provided. Well notched frames including making cutout for electrical conduits, support for access control lock complete as per detailed drawings. (Measurement upto slab level)  | M2 | 364 | 1764.31 | 642208.84 |
| 52 | <b>CARPENTRY WORK</b><br><b>Plywood panelling</b><br><b>Main Frame:</b> Out of 50mm x 50 x 1.5mm thick Aluminium Sections at approx. 450mm C/C vertically and horizontally @ 600mm. All verticals secured to ceiling with anchor fasteners. Well notched frames including making cutout for electrical conduits, support for access control lock complete as per detailed drawings. (Measurement upto slab level)  | M2 | 36  | 1460.13 | 52564.68  |
| 53 | <b>CARPENTRY WORK</b><br><b>Plywood panelling</b><br><b>Skin :</b> 19mm thick BWP Marine Plywood confirming to IS:710 on one side screwed to frame work with joints as shown or directed including Trims on all edges. (Basic Rate of plywood 1345/-Sq.mt)   | M2 | 5   | 2001.59 | 10007.95  |
| 54 | <b>CARPENTRY WORK</b><br><b>Plywood panelling</b><br><b>Skin :</b> 12mm thick BWP Marine Plywood confirming to IS:710 on one side screwed to frame work with joints as shown or directed including Trims on all edges. (Basic Rate of plywood 975/-Sq.mt)  | M2 | 5   | 1119.43 | 5597.15   |



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| 55 | <b>CARPENTRY WORK</b><br><b>Plywood panelling</b><br><b>Skin</b> : 9mm thick BWP Marine Plywood confirming to IS:710 on one side screwed to frame work with joints as shown or directed including Trims on all edges. (Basic Rate of plywood 795/-Sq.mt)   | M2 | 782 | 1314.11 | 1027634.02 |
| 56 | <b>CARPENTRY WORK</b><br><b>Plywood panelling</b><br><b>Skin</b> : 6mm thick BWP Marine Plywood confirming to IS:710 on one side screwed to frame work with joints as shown or directed including Trims on all edges. (Basic Rate of plywood 655/-Sq.mt)   | M2 | 5   | 1095.10 | 5475.50    |
| 57 | <b>CARPENTRY WORK</b><br><b>Plywood panelling</b><br><b>Finishing:</b><br><b>VENEER</b> : 4mm thk approved veneer finished with imported PU coating on one side with matching superior grade fixed to the plywood having joints/grooves as shown or directed. With melamine polish. Thickness of top skin should be min. 0.4mm thick. (Basic rate of veneer Rs.2000/-SQ.M.)(Basic rate of PU Coating of Rs 150/- SFT)                    | M2 | 445 | 4441.21 | 1976338.45 |
| 58 | <b>CARPENTRY WORK</b><br><b>Plywood panelling</b><br><b>Finishing:</b><br><b>LAMINATE</b> : Not less than 1.5mm thk laminate on one side fixed to plywood skin with glue having joints and grooves as shown or directed. (Basic rate of laminate of Rs. 540/- Sqmt)  | M2 | 5   | 1170.16 | 5850.80    |
| 59 | <b>CARPENTRY WORK</b><br><b>Plywood panelling</b><br><b>Finishing:</b><br><b>GYP SUM</b> : 12.5mm thk Gypsum on one side fixed to plywood skin with glue having joints and grooves as shown or directed. (Rs. 180/- Sqmt)  | M2 | 168 | 425.87  | 71546.16   |
| 60 | <b>CARPENTRY WORK</b><br><b>Plywood panelling</b><br><b>Finishing:</b><br><b>BACKPAINTED GLASS</b> : 8 thk Laminated Backpainted, extra clear Glass of Saint gobain or equivalent make etc. complete as per approved design as directed. (Rs. 2750/- Sqmt)   | M2 | 13  | 5123.58 | 66606.54   |
| 61 | <b>CARPENTRY WORK</b><br><b>Plywood panelling</b><br><b>Finishing:</b><br><b>SOFT BOARD</b> : 12mm thk Soft board with 6mm thick marine plywood backing, finished with fabric of approved make and as per selection by Client. (Basic rate of fabric Rs.500/- per meter). Softboards to be edged with laminate strips to give firm edges. Fabric with creases shall have to be redone. etc. complete. (Basic Rate of plywood 655/-Sq.mt) | M2 | 5   | 1946.83 | 9734.15    |
| 62 | <b>CARPENTRY WORK</b><br>Plywood panelling<br><b>Finishing:</b><br>MDF : 4mm thk MDF on one side fixed to plywood skin with glue having joints and grooves as shown or directed.   | M2 | 60  | 373.12  | 22387.20   |
| 63 | <b>CARPENTRY WORK</b><br><b>Glazed Partitions:</b> Providing and fixing fully glazed partition for External/Internal, using 12mm thick toughened glass, fixed with aluminium 'U' channel in the floor and partition, as per detailed drawings, etc complete in all respects.   | M2 | 83  | 3528.63 | 292876.29  |



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| 64 | CARPENTRY WORK<br>Providing & fixing partly glazed partitions upto ceiling as per design<br>Solid partition 1.2mt high - 50X50X1.5mm thick aluminium box section at 400mm C/C vertically & approx 570mm C/C horizontally, glasswool infill of 24kg/m3 density to be provided.9mm thk marine ply finished with 4mm thick veneer with melamine polish on both sides, BTC patti @ bottom of glass & TW patti @ top of Glass of size as per drawing.<br>Glass - 12mm thick clear toughened glass with PVC transparent glass filler of Falcon make etc complete as per design & as directed (measurement upto false ceiling only )  | M2 | 15  | 8911.42   | 133671.30 |
| 65 | CARPENTRY WORK<br>Providing and fixing Fully Glazed Door Shutters with 12mm thick toughened glass fixed on patch fittings of PT standard patch fitting set includes top pivot, bottom patch PT 10, top patch PT 20, corner lock US 10 lock with EPC 60mm of approved make and as per design and details given by the architect/ including accessories, pvc edging, floor spring-DORMA floor spring BTS 75 V ,SS handle 450mm long -DORMA 316 SS TGDID 300X22S Satin,lock-EM3000AH etc. complete as directed.(Type DR01)  | M2 | 32  | 10950.92  | 350429.44 |
| 66 | CARPENTRY WORK<br>Providing and Fixing in position teak wood of approved quality and size Door frames, Rafters, Panelling or any other decorative work including all hardware and finished in veneer with PU coating/fire retardant paint complete as directed.(Basic Rate of Veneer of Rs. 2000/-Sq.mt.) (Basic Rate of PU Coating 150/-Sft)  | M3 | 0.5 | 237270.06 | 118635.03 |
| 67 | CARPENTRY WORK<br>VENEER AND LAMINATE DOOR- Providing and fixing 64 mm thk solid shutter as per given detail with 35X50X1.5mm thick aluminium box section @ 450mm C/C horizontally & vertically, with 12mm thick marine plywood on both side, with triple rebate with acoustical lining, 40mm x 64mm tw beading, finished in 4mm thick veneer of approved make and shade with melamine polish and other side with 1.5mm thk laminate of approved shade and make with necessary hardware such as ss 450mm long handle-DORMA 316 SS TGDID 300X22 S Satin, Concealed door closure DORMA ITS 96EN 3-6, automatic door drop down seal, DORMA 4012 wall stopper,Concealed hinges, dead lock with keyhole of approved make etc. complete. ( Type DR 03) (Basic rate of Veneer of Rs. 2000/-Sq.mt.) (Basic Rate of Laminate of Rs. 540/- Sq.mt.) | M2 | 5   | 13195.94  | 65979.70  |



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| 68 | CARPENTRY WORK<br>FLUSH DOOR WITH VISION PANEL-52 mm solid core marine shutter, with 25X40X1.5mm thick aluminium box section (@ 450mm C/C horizontally & vertically,) with 12mm thick marine plywood on both side with 50mm x12 mm tw beading and vision panel made of 8mm thk acid frosted glass ,finished with 1.5mm thick laminate on both side, working on floor spring and pivot with door closure locking arrangement,ss finished handle of DORMA make 316 SS TGDID 300X22 S Satin,Concealed Door closure-DORMA ITS-96 EN 3-6, automatic door drop down seal, Concealed hinges, DORMA door stopper 4012 etc. complete. (Type DR 04) (Basic Rate of Laminate of Rs. 540/- Sq.mt.)       | M2 | 9  | 24943.77 | 224493.93 |
| 69 | CARPENTRY WORK<br>VENEER DOOR- Providing and fixing 67 mm thk solid shutter as per given detail, with 35X50X1.5mm thick aluminium box section @ 450mm C/C horizontally & vertically, with 12mm thick marine plywood on both side, with triple rebate with acoustical lining,40mm x 67mm tw beading ,finished in venner of approved make and shade with malemine polish both side with necessary hardware such ss 450mm long handle-DORMA 316 SS TGDID 300X22 S Satin, Concealed door closure DORMA ITS 96EN 3-6, automatic door drop down seal, DORMA 4012 wall stopper,Concealed hinges,Dead lock of approved make etc. complete. ( Type DR 02) (Basic Rate of Veneer of Rs. 2000/- Sq.mt.) | M2 | 8  | 14614.22 | 116913.76 |
| 70 | CARPENTRY WORK<br>Providing & fixing in position 35 mm thk solid core approved brand flush door, finished with 1.5 mm thk. Laminate of approved pattern from bothside,35X12mm T W beading all around the shutter, and heavy duty brass hinges of 100 x 25mm along with approved make, lock, S. S. finish Handles-150mm, S. S. finish Tower bolt-200mm, door stopper, door knod, indicator bolt, robe hook etc as per approval and complete all as per drg.,details and as directed. (Type D5)  | M2 | 4  | 8034.80  | 32139.20  |
| 71 | CARPENTRY WORK<br>Providing and fixing Teakwood frames, 25mm x 40mm with Shutters to pantry counter counters made out of 19mm Marine Plywood finished with approved 1.5mm thick for external surface & 1mm thick laminate for internal surface per drawings and directed etc. complete. (Basic rate of Laminate of Rs. 540/-Sqmt)  | M2 | 4  | 4867.08  | 19468.32  |
| 72 | CARPENTRY WORK<br>Providing and fixing column cladding/ wall paneling/ with 12mm marine plywood finished with 4mm thick approved veneer with melamine polish on 50X50X1.5mm/50mmx25mmX1.5mm thick Aluminium sections frame work, Teakwood beading at corners with melamine polish, as per drawing etc complete. (Basic Rate of Veneer of Rs. 2000/-Sq.mt)  | M2 | 43 | 6692.23  | 287765.89 |



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| 73 | CARPENTRY WORK<br>Providing and installing over head storage unit of 350mm deep, height as per drawings including partition and shelves all made out of 19mm marine plywood, shutter of average width 450mm and upto 600mm 19mm thick and 6mm marine ply back and pelmet, finished with 1.5 mm thick approved laminate on all outer faces laminated storage shutters and 0.8mm thk laminate of approved shade & make to internal spaces, all fixtures, fittings, with hinges, handles, locks, etc. as per drawing/ directed etc complete. (Basic Rate of Laminate of Rs. 540/- Sq.mt)   | M2 | 3  | 10342.54 | 31027.62  |
| 74 | CARPENTRY WORK<br>Providing and fixing mirror panelling with 25X40x1.5mm aluminium box section @ 600X600mm C/C @ horizontal & vertically, 8mm thick marine plywood fixed on aluminium framework, & 6mm thick mirror of approved make, including all hardware etc. complete as per drawing or as directed.   | M2 | 6  | 4380.37  | 26282.22  |
| 75 | CARPENTRY WORK<br>Providing and fixing 150mm deep including 300mm deep fascia using 12mm thick marine ply & 12.5mm thick Gypsum board backing with approved paint with teakwood beading around the edge with aluminium framework of size 50 X 50 X 1.5mm @ 450mm C/C etc. complete as per design or as directed.  | M  | 45 | 3528.63  | 158788.35 |
| 76 | CARPENTRY WORK<br>Providing and Fixing trap Doors for accessing the services and utilities in marine plywood 18mm thick, with necessary sized salwood framework, suspended from true ceiling bolted by anchor fasteners. Doors to be finished with laminate internally & paint on external sides, edged with PVC transparent seal to prevent smells being sucked into the trap door space. Small sized trap doors to be locked with Ellen Key locks with safety chain stays. Larger sized Doors to be divided into removable panels with notched removable framework as directed complete.  | M2 | 5  | 3041.92  | 15209.60  |
| 77 | CARPENTRY WORK<br>Providing and installing full ht. storage unit of 2100 to 2400mm high, 750 to 900mm wide & depth as below with post form top and shutters internally, using 19mm thick marine plywood vertical, horizontal, top, bottom, 12mm thick marine plywood for back and 25mm thick marine plywood for shutters (Including c/c spacing of partitions and shelves at max 375 height) with 1.5mm thick laminate for all external surfaces & 1mm thick laminate finish for all internal surfaces including both sides, all the edges finished with PVC edge band, aluminium grill, openable shutters with all fixtures, fittings, hinges, handles, ball catches and locks etc complete as per drawing.as directed.(Basic Rate of Laminate of Rs. 540/-Sq.mt) 930mm deep | M2 | 14 | 24293.08 | 340103.12 |



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| 78 | CARPENTRY WORK<br>Providing and installing full ht. storage unit of 2100 to 2400mm high, 750 to 900mm wide & depth as below with post form top and shutters internally, using 19mm thick marine plywood vertical, horizontal, top, bottom, 12mm thick marine plywood for back and 25mm thick marine plywood for shutters (Including c/c spacing of partitions and shelves at max 375 height) with 1.5mm thick laminate for all external surfaces & 1mm thick laminate finish for all internal surfaces including both sides, all the edges finished with PVC edge band, aluminium grill, openable shutters with all fixtures, fittings, hinges, handles, ball catches and locks etc complete as per drawing.as directed.(Basic Rate of Laminate of Rs. 540/-Sq.mt) 630mm deep | M2 | 14 | 24299.44 | 340192.16 |
| 79 | CARPENTRY WORK<br>Providing and installing full ht. storage unit of 2100 to 2400mm high, 750 to 900mm wide & depth as below with post form top and shutters internally, using 19mm thick marine plywood vertical, horizontal, top, bottom, 12mm thick marine plywood for back and 25mm thick marine plywood for shutters (Including c/c spacing of partitions and shelves at max 375 height) with 1.5mm thick laminate for all external surfaces & 1mm thick laminate finish for all internal surfaces including both sides, all the edges finished with PVC edge band, aluminium grill, openable shutters with all fixtures, fittings, hinges, handles, ball catches and locks etc complete as per drawing.as directed.(Basic Rate of Laminate of Rs. 540/-Sq.mt) 470mm deep | M2 | 5  | 15527.94 | 77639.70  |
| 80 | CARPENTRY WORK<br>Providing and installing Low height storage unit 1200 mm high having 2 nos. of shelves with post form top & shutters using 19mm thick marine ply vertical, horizontal, top, bottom, 12mm thick marine plywood for back and shutters (For partitions and shelves) with 1.5mm thick laminate for all external surfaces & 1mm thick laminate finish for all internal surfaces including both sides, all the edges finished with PVC edge band, openable shutters with all fixtures, fitting, hinges, handles, ball catches and locks etc. complete as per drawing.as directed.(Basic Rate of Laminate of Rs. 540/-Sq.mt) 470mm deep  | M2 | 17 | 18755.64 | 318845.88 |
| 81 | CARPENTRY WORK<br>Providing and fixing 50mm high, 1.5mm thick SS brush finished skirting fixed on 9mm thick marine plywood including all hardware etc. complete as per drawing.   | M  | 5  | 755.78   | 3778.90   |



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| 82 | <p>CARPENTRY WORK<br/>Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge.</p> <p>CARPENTRY WORK<br/>Powder coated aluminium (minimum thickness of powder coating 50 micron)</p> | Kg | 7   | 551.41  | 3859.87   |
| 83 | <p>CARPENTRY WORK<br/>Providing and fixing glazing with float glass pans of 5.50mm thick in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-charge .</p>   | M2 | 2   | 1439.74 | 2879.48   |
| 84 | <p>PAINTING AND POLISHING WORKS<br/>Providing and Applying 3 coats of Acrylic emulsion paint Asian paints/ equivalent on false ceiling as per design and approved shade by the Architect. Cost to include preparing the surface, applying primer, putty, etc. complete. All jambs, trims, edges, grooves to be included in SQ.M rate. No separate measurement on R.M.</p>   | M2 | 622 | 206.86  | 128666.92 |
| 85 | <p>PAINTING AND POLISHING WORKS<br/>Providing and Applying 3 coats of luster paint Asian paints/ equivalent on wall and partitions as per design and approved shade by the Architect. Cost to include preparing the surface, applying primer, putty, etc. complete. including all jambs, trims, edges, grooves to be included in SQ.M rate. No separate measurement on R.M.</p>   | M2 | 415 | 219.03  | 90897.45  |
| 86 | <p>PAINTING AND POLISHING WORKS<br/>Providing and applying Oikos or equivalent make internal textured paint of approved shade and colour etc. complete</p>  | M2 | 5   | 2555.21 | 12776.05  |
| 87 | <p>PAINTING AND POLISHING WORKS<br/>Providing and applying french spirit polishing :<br/>Two or more coats on new works including a coat of wood filler The material shall contain 25 ± 1 percent by weight of shellac (conforming to IS: 16-1956§) dissolved in denatured spirit ( conforming to IS: 324-1959    ) or isopropyl alcohol or a mixture of the two together with other alcohol soluble ingredients as may be necessary so as to improve the performance of the material. etc. complete.</p>   | M2 | 5   | 300.80  | 1504.00   |



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| 88 | <p><b>PAINTING AND POLISHING WORKS</b><br/>Providing and applying velvet touch premium quality, highly durable and washable emulsion painting to walls of approved brand &amp; shade in three coats as per the specifications of the manufacturer over two coats of readymix primer putty to achieve smooth &amp; uniform surface &amp; shade. the rate shall include cleaning &amp; preparation of surface, primer &amp; putty in required layers with sanding the surface after each layer to smoothness as per the specifications or as instructed by construction manager including necessary scaffolding etc. complete.</p>  | M2 | 5   | 267.69  | 1338.45   |
| 89 | <p><b>P.O.P. &amp; FALSE CEILING WORK</b><br/>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 &amp; 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 :</p> <p>12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- Part I (Basic rate of Gypsum of Rs. 180/-/Sq.mt)</p> | M2 | 507 | 1156.16 | 586173.12 |





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| 90 | <p><b>P.O.P. &amp; FALSE CEILING WORK</b></p> <p>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 &amp; 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 :</p> <p>12.5 mm thick tapered edge gypsum moisture resistant board</p> | M2 | 6 | 1374.78 | 8248.68 |
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| 91 | <p>P.O.P. &amp; FALSE CEILING WORK</p> <p>Providing and fixing false ceiling at all heights with integral densified calcium silicate reinforced with fibre and natural filler false ceiling tiles of Size 595x595 mm of approved texture, design and patterns having NRC (Noise Reduction coefficient) of 0.50 (minimum) as per IS 8225:1987, Light reflectance of 85% (minimum). Non combustible as per BS:476 (part-4), fire performance as per BS:476 (part 6 &amp;7), humidity resistance of 100%, thermal conductivity &lt; 0.043 W/m K as perASTM 518:1991, in true horizontal level suspended on interlocking metal powder coated T-Grid of hot dipped galvanised iron section of 0.40 mm thick on Silhouette profile, rotary stiched double webbed white with 6 mm reveal profile (white/black),comprising of main-T runners of size 15x42 mm of length 3000 mm, cross - T of size 15x42 mm of length 1200 mm and secondary intermediate cross-T of size 15x42 mm of length 600mm to form grid module of size 600 x 600 mm, suspended from ceiling using galvanised mild steel items (galvanizing @ 80 grams per sqm) i.e. 50 mm long, 8 mm outer diameter M-6 dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 85x25x2 mm. Galvanised iron perimeter wall angle of size 22x19x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450 mm center to center and 40mm long dry wall S.S screws. The work shall be carried out as per specifications, drawing and as per directions of the Engineer-in-Charge.</p> <p>With 15 mm thick integral densified micro edge light weight calcium silicate false ceiling tiles</p> | M2 | 6 | 2525.62 | 15153.72 |
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|----|---|-----|-----|---------|-----------|
| 92 | <p>P.O.P. &amp; FALSE CEILING WORK<br/>Providing and fixing false ceiling at all heights with integral densified calcium silicate reinforced with fibre and natural filler false ceiling tiles of Size 595x595 mm of approved texture, design and patterns having NRC (Noise Reduction coefficient) of 0.50 (minimum) as per IS 8225:1987, Light reflectance of 85% (minimum). Non combustibile as per BS:476 (part-4), fire performance as per BS:476 (part 6 &amp;7), humidity resistance of 100%, thermal conductivity &lt; 0.043 W/m K as per ASTM 518:1991, in true horizontal level suspended on interlocking metal powder coated T-Grid of hot dipped galvanised iron section of 0.40 mm thick on Silhouette profile, rotary stiched double webbed white with 6 mm reveal profile (white/black), comprising of main-T runners of size 15x42 mm of length 3000 mm, cross - T of size 15x42 mm of length 1200 mm and secondary intermediate cross-T of size 15x42 mm of length 600mm to form grid module of size 600 x 600 mm, suspended from ceiling using galvanised mild steel items (galvanizing @ 80 grams per sqm) i.e. 50 mm long, 8 mm outer diameter M-6 dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 85x25x2 mm. Galvanised iron perimeter wall angle of size 22x19x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450 mm center to center and 40mm long dry wall S.S screws. The work shall be carried out as per specifications, drawing and as per directions of the Engineer-in-Charge.</p> <p>Providing and fixing 12mm thick BWP grade marine plywood backing of 600 X 600mm for fixing ceiling including framework &amp; fixtures etc. complete as directed. (Basic rate of plywood of Rs. 975/-Sq.mt)</p> | Nos | 100 | 547.55  | 54755.00  |
| 93 | <p>GENERAL ITEMS<br/>Providing &amp; fixing 8+8mm thick Backpainted glass urinal partitions of size 1200 X 450mm including making of chases in the wall, fixing with Brass CP Screws, finishing and making good the wall etc. complete.</p>   | Nos | 2   | 9734.16 | 19468.32  |
| 94 | <p>GENERAL ITEMS<br/>Providing &amp; fixing 8mm Doormat of Nomad / 3M / LG Synthetic Matting system in toilet area and entrance, of approved colour and size. Etc. complete.</p>  | M2  | 5   | 7909.00 | 39545.00  |
| 95 | <p>GENERAL ITEMS<br/>Providing and pasting 3M or equivalent approved make frosted film on glazed portion of doors and partitions at locations as per detailed architectural drawing and as directed by engineer in charge</p>   | M2  | 123 | 790.02  | 97172.46  |
| 96 | <p>GENERAL ITEMS<br/>Providing &amp; fixing approved type of Roller Blinds with imported mechanism, approved make on windows.(Basic cost of Rs. 1200/- Sqmt)</p>  | M2  | 165 | 1520.96 | 250958.40 |
| 97 | <p>GENERAL ITEMS<br/>Providing &amp; fixing wallpaper of Approved make, shade &amp; type including 12mm thick Gypsum board backing etc. complete. (Basic cost of wallpaper of Rs. 3000/- Sq.mt.)</p>  | M2  | 60  | 4289.12 | 257347.20 |



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| 98  | GENERAL ITEMS<br>Providing & fixing SS signages out of 450X150mm and 6mm thick polycarbonate coloured back panel with 2mm thick perforated SS plate with CNC cut with necessary hardware for fitting etc. complete as directed.  | Nos | 10 | 913.14   | 9131.40  |
| 99  | Providing & fixing Vitreous China European Water Closet of pure china white as per approved sample by Eng-in-charge with P trap & with necessary fittings as per direction of Engineer in Charge. <b>(Make : Hindware, Model No : TWILIGHT-92092 with Normal Seat Cover. OR Equivalent Model of CERA / ROCA Make) (For Ladies &amp; Gents Toilet)</b>  | Nos | 2  | 12670.54 | 25341.08 |
| 100 | Providing & fixing Vitreous China European Water Closet of pure china white as per approved sample by Eng-in-charge with P trap & with necessary fittings as per direction of Engineer in Charge. <b>(Make : Kohler, Model No : PREQUILE K-18133IN-2SR-0 with Normal Seat Cover. OR Equivalent) (For Executive Toilet)</b>   | Nos | 1  | 29326.67 | 29326.67 |
| 101 | Providing & fixing Dual Flow Flush Valve - 32 mm including inlet / outlet connections, G.I. fittings fixtures, cutting hole, testing etc <b>(Make : Jaquar, Model No : FLV-1089 OR Equivalent)</b>   | Nos | 3  | 4982.00  | 14946.00 |
| 102 | Providing & fixing Health Faucet with PVC / flexible tube with check nuts, wall hook etc. of following type & fixing using white Zinc, spun yarn etc. and wall hook on the wall at the appropriate location using 40 mm long CP brass screws, rawl plug etc. including testing the joints for leak proofness all complete & with necessary fittings as per direction of Engineer in Charge. <b>(Make : Jaquar, Model No : ALLIED ALD-CHR-563, 1.0 mtr long Tube in Crome Finish &amp; Wall Hook OR Equivalent)</b> | Nos | 3  | 1925.67  | 5777.01  |
| 103 | Providing & fixing of 2 way Bib cock with wall flanges & necessary fittings as per direction of Engineer in Charge. <b>(Make : Jaquar, Model No : VIGNETTE VGP-CHR-81040 OR Equivalent)</b>  | Nos | 3  | 1890.34  | 5671.02  |
| 104 | Providing & Fixing White glazed Vitreous Table Top - Square China Wash Hand Basin with necessary fittings as per direction of Engineer in Charge. <b>(Make : Hindware, Model No : RUBBIC-91041 OR Equivalent Model of CERA / ROCA Make) (For Ladies &amp; Gents Toilet)</b>  | Nos | 3  | 6254.00  | 18762.00 |
| 105 | Providing & Fixing White glazed Vitreous Table Top - Square China Wash Hand Basin with necessary fittings as per direction of Engineer in Charge. <b>(Make : Kohler, Model No : FOREFRONT K-5373T-0 OR Equivalent Make) (For Executive Toilet)</b>   | Nos | 2  | 8762.67  | 17525.34 |
| 106 | Providing & Fixing C.P brass Basin Tap with necessary fittings as per direction of Engineer in Charge. <b>(Make : Jaquar, Model No : AQUISENSE SNR-CHR-51071 OR Equivalent Make)</b>   | Nos | 5  | 4787.67  | 23938.35 |
| 107 | Providing & Fixing C.P brass Angular Stop Cock with necessary fittings as per direction of Engineer in Charge. <b>(Make : Jaquar, Model No : VIGNETTE VGP-CHR-81052 OR Equivalent Make )</b>   | Nos | 5  | 1086.50  | 5432.50  |



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| 108 | Providing & fixing, testing and commissioning of white vitreous china large flat back / half stall urinal SIZE : 270 x 360 x 440 including Push tap for flushing after use, providing & fixing CI / MS bracket (duly painted with 2 coats of paints over a coat of primer),including CP cast brass bottle trap, extension piece, wall flanges with urinal partition including providing & fixing concealed complete with all accessories.<br><b>(Make For Urinal : Parryware, Model No : Flat Back C0501 - 270x360x440mm;Hindware - Flat Back Small CAT NO-60001;Jaquar-URS-WHT-0706 OR Equivalent Make) (Make For Push Tap for Urinal : Jaquar, Model No : Pressmatic PRS077 G Urinal Valve with Auto Closing system with 65 mm Extension Body;Hindware - F310003 OR Equivalent Make)</b> | Nos | 3 | 6757.50 | 20272.50 |
| 109 | Providing and fixing Stainless Steel Sink having overall size of 510 mm x 510 mm & bowl size of 460 mm x 460 mm x 230 mm. The scope also include civil work of cutting & making good in the wall / counter wherever required :<br><b>(Make : Nirali Omni Model OR Equivalent)</b>  | Nos | 1 | 4770.00 | 4770.00  |
| 110 | Providing, Fixing, Testing and Commissioning of Pantry Sink Tap. <b>(Make : Jaguar, Model No : FLORENTINE-FLR-CHR-5347ND OR Equivalent Make)</b>   | Nos | 1 | 1713.67 | 1713.67  |
| 111 | Providing and fixing P.V.C. waste pipe for sink or wash basin including-P.V.C. waste fittings complete. <b>Size : 40 mm dia, Semi rigid pipe</b>   | Nos | 6 | 116.73  | 700.38   |
| 112 | Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour. Waste coupling 38 mm dia of 83 mm length and 77mm breadth, weighing not less than 60 gms <b>(Make : JAQUAR, CERA, ROCA)</b>  | Nos | 6 | 141.69  | 850.14   |
| 113 | <b>Providing and fixing PTMT Bottle Trap</b> for Wash basin and sink. Bottle trap 38 mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 263 gms <b>(Make : Jaquar, Roca, Cera)</b>   | Nos | 6 | 438.18  | 2629.08  |
| 114 | Providing & Fixing Toilet Roll Holder with necessary fittings as per direction of Engineer in Charge. <b>(Make : Jaquar, Model No : AKB - 35753 OR Equivalent Make)</b>  | Nos | 3 | 2402.67 | 7208.01  |
| 115 | Providing & Fixing Soap Dispenser with necessary fittings as per direction of Engineer in Charge. <b>(Make : Jaquar, Model No : ACN-CHR-1135N OR Equivalent Make)</b>  | Nos | 4 | 2358.50 | 9434.00  |
| 116 | Providing & Fixing Soap Dish with necessary fittings as per direction of Engineer in Charge. <b>(Make : Jaquar, Model No : AKB - 35731 OR Equivalent Model of CERA / ROCA Make)</b>  | Nos | 4 | 936.34  | 3745.36  |
| 117 | Providing & Fixing Towel Holder Ring with necessary fittings as per direction of Engineer in Charge. <b>(Make : Jaquar, Model No : AKB-35721 OR Equivalent Model of CERA / ROCA Make)</b>  | Nos | 4 | 2402.67 | 9610.68  |
| 118 | Providing & Fixing Double Coat Hook with necessary fittings as per direction of Engineer in Charge. <b>(Make : Jaquar, Model No : AEC-1161 OR Equivalent Model of CERA / ROCA Make)</b>  | Nos | 3 | 556.50  | 1669.50  |



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| 119 | <b>DRAINAGE WORK</b><br>Providing, fixing, testing and commissioning in position SWR PVC PIPE TYPE-B(4Kg/cm2.) self fit pipe conforming to IS:13592 including all fittings such as bends, junctions, inspection doors, offests, cowl, access pieces/plugs, including all vertical and horizontal hevay duty MS pipe supports & clamps, wall etc. jointing with PVC Adhesive joints including cutting holes in walls and making good the same with necessary fittings as per direction of Engineer in Charge. (Make : Supreme/ Finolex/ Astral Makes) 110 mm dia. | M   | 11 | 856.84 | 9425.24 |
| 120 | <b>DRAINAGE WORK</b><br>Providing, fixing, testing and commissioning in position SWR PVC PIPE TYPE-B(4Kg/cm2.) self fit pipe conforming to IS:13592 including all fittings such as bends, junctions, inspection doors, offests, cowl, access pieces/plugs, including all vertical and horizontal hevay duty MS pipe supports & clamps, wall etc. jointing with PVC Adhesive joints including cutting holes in walls and making good the same with necessary fittings as per direction of Engineer in Charge. (Make : Supreme/ Finolex/ Astral Makes) 75 mm dia.  | M   | 12 | 697.84 | 8374.08 |
| 121 | <b>DRAINAGE WORK</b><br>Providing, fixing, testing and commissioning in position SWR PVC PIPE TYPE-B(4Kg/cm2.) self fit pipe conforming to IS:13592 including all fittings such as bends, junctions, inspection doors, offests, cowl, access pieces/plugs, including all vertical and horizontal hevay duty MS pipe supports & clamps, wall etc. jointing with PVC Adhesive joints including cutting holes in walls and making good the same with necessary fittings as per direction of Engineer in Charge. (Make : Supreme/ Finolex/ Astral Makes) 50 mm dia.  | M   | 6  | 522.94 | 3137.64 |
| 122 | <b>DRAINAGE WORK</b><br>Providing, fixing, testing and commissioning in position SWR PVC PIPE TYPE-B(4Kg/cm2.) self fit pipe conforming to IS:13592 including all fittings such as bends, junctions, inspection doors, offests, cowl, access pieces/plugs, including all vertical and horizontal hevay duty MS pipe supports & clamps, wall etc. jointing with PVC Adhesive joints including cutting holes in walls and making good the same with necessary fittings as per direction of Engineer in Charge. (Make : Supreme/ Finolex/ Astral Makes) 40 mm dia.  | M   | 15 | 363.94 | 5459.10 |
| 123 | <b>DRAINAGE WORK</b><br>Providing & fixing PVC Nahni trap of 75mm dia diameter, with necessary distance piece of 75mm dia pipe and 150x150mm SS grating, making necessary SLAB /WALLholes and cutting walls, etc complete with necessary fittings as per direction of Engineer in Charge. <b>(Supreme/ Finolex/ Prince/ Astral Makes)</b>  | Nos | 7  | 795.00 | 5565.00 |



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| 124 | <b>WATER SUPPLY WORK</b><br><b>Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot &amp; cold water supply, including all CPVC plain &amp; brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes &amp; fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.(Make - Ajay Flowgaurd / Astral)</b><br>Concealed work, including cutting chases and making good the walls etc.- <b>15 mm dia</b> | M | 32 | 353.07 | 11298.24 |
| 125 | <b>WATER SUPPLY WORK</b><br><b>Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot &amp; cold water supply, including all CPVC plain &amp; brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes &amp; fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.(Make - Ajay Flowgaurd / Astral)</b><br>Concealed work, including cutting chases and making good the walls etc.- <b>20 mm dia</b> | M | 6  | 408.50 | 2451.00  |
| 126 | <b>WATER SUPPLY WORK</b><br><b>Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot &amp; cold water supply, including all CPVC plain &amp; brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes &amp; fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.(Make - Ajay Flowgaurd / Astral)</b><br>Concealed work, including cutting chases and making good the walls etc.- <b>25 mm dia</b> | M | 6  | 478.41 | 2870.46  |
| 127 | <b>WATER SUPPLY WORK</b><br><b>Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot &amp; cold water supply, including all CPVC plain &amp; brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes &amp; fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.(Make - Ajay Flowgaurd / Astral)</b><br>Concealed work, including cutting chases and making good the walls etc.- <b>32 mm dia</b> | M | 11 | 592.13 | 6513.43  |



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| 128 | <b>WATER SUPPLY WORK</b><br><b>Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot &amp; cold water supply, including all CPVC plain &amp; brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes &amp; fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.(Make - Ajay Flowgaurd / Astral)</b><br>Concealed work, including cutting chases and making good the walls etc.- <b>40 mm dia</b> | M   | 2  | 750.84  | 1501.68 |
| 129 | <b>WATER SUPPLY WORK</b><br><b>Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot &amp; cold water supply, including all CPVC plain &amp; brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes &amp; fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.(Make - Ajay Flowgaurd / Astral)</b><br>Concealed work, including cutting chases and making good the walls etc.- <b>50 mm dia</b> | M   | 1  | 883.34  | 883.34  |
| 130 | <b>WATER SUPPLY WORK</b><br><b>Supply, installation, testing and commissioning of gunmetal Gate Valve with CI wheel of approved quality (screwed end), confirming to IS 778, PN 1.0, with necessary specials, unions, nipple etc., to complete the job.( Make : Zoloto/ Audco)</b><br><b>32 mm dia</b>   | Nos | 1  | 718.11  | 718.11  |
| 131 | <b>WATER SUPPLY WORK</b><br><b>Supply, installation, testing and commissioning of gunmetal Gate Valve with CI wheel of approved quality (screwed end), confirming to IS 778, PN 1.0, with necessary specials, unions, nipple etc., to complete the job.( Make : Zoloto/ Audco)</b><br><b>50 mm dia</b>   | Nos | 1  | 1075.41 | 1075.41 |
| 132 | <b>DISTRIBUTION BOARDS &amp; SFU. -</b><br><b>Lighting DB - 8 Way TPN</b><br>Supplying & erecting triple pole and neutral distribution board (TPNDB) with door surface/ flush mounted SPMCB of 24 ways, on iron frame/wooden board.(Horizontal type) as per specification No. SW-SWR/MCBDB.<br><b>(Location :- Near Staircase)</b><br><br><b>Note :</b> The above board shall be powder coated paint, should include all accessories complete as required & as per final direction and final approval of the Consultant.   | Nos | 1  | 4324.33 | 4324.33 |
| 133 | <b>Incomer:-</b><br>Supplying, fixing and commissioning RCBO (Residual Current Breaker with Overcurrent Protection), type ACwith 30/100/300 mA sensitivity and having capacity of 6A/10A/16A/20A/25/A 4 Pole 3 phase as per specification SW-RCCB/RCBO   | Nos | 1  | 5458.96 | 5458.96 |
| 134 | <b>Out goings :-</b><br>Supplying, erecting & marking SPMCB 6A to 32A, B- series (for lighting) in provided distribution board as per specification No. SW-SWR/MCB   | Nos | 18 | 201.48  | 3626.64 |





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| 135 | Supplying and erecting blanking plate of suitable size on MCB DB  | Nos | 6  | 16.97   | 101.82   |
| 136 | <b>DISTRIBUTION BOARDS &amp; SFU.<br/>Power DB - 8 Way TPN (1 &amp; 2) [For Computers &amp; Raw Power]</b><br>Supplying & erecting triple pole and neutral distribution board (TPNDB) with door surface/ flush mounted SPMCB of 24 ways, on iron/ G.I. frame/wooden board.(Horizontal type) as per specification No. SW-SWR/MCBDB ( <b>Location :- PA &amp; GYM ROOM</b> )<br><br><b>Note:</b> The above board shall be powder coated paint, should include all accessories complete as required & as per final direction and final approval of the Consultant. | Nos | 2  | 4324.33 | 8648.66  |
| 137 | <b>Incomer:-</b><br>Supplying, fixing and commissioning RCBO (Residual current Breaker with overcurrent protection), type AC with 30/100/300mA electro magnetic type with and having capacity of 32A/40A 4 Pole 3 phase as per specification No. SW-RCCB/RCBO   | Nos | 2  | 5650.89 | 11301.78 |
| 138 | <b>Out goings :-</b><br>Supplying, erecting & marking SPMCB 6A to 32A, C-series (for motor/power) in provided distribution board as per specification No. SW-SWR/MCB  | Nos | 48 | 202.54  | 9721.92  |
| 139 | <b>DISTRIBUTION BOARDS &amp; SFU.<br/>AC DB- 4 Way TPN [For AC Indoor units]</b><br>Supplying & erecting triple pole and neutral distribution board (TPNDB) with door surface/ flush mounted SPMCB of 12 ways, on iron/ G.I. frame/wooden board.(Horizontal type) as per specification No. SW-SWR/MCBDB ( <b>Location :- Near Staircase</b> )<br><br><b>Note:</b> The above board shall be powder coated paint, should include all accessories complete as required & as per final direction and final approval of the Consultant.                              | Nos | 1  | 2988.22 | 2988.22  |
| 140 | <b>Incomer:-</b><br>Supplying, fixing and commissioning RCBO (Residual Current Breaker with Overcurrent Protection), type ACwith 30/100/300 mA sensitivity and having capacity of 6A/10A/16A/20A/25/A 4 Pole 3 phase as per specification SW-RCCB/RCBO  | Nos | 1  | 5458.96 | 5458.96  |
| 141 | <b>Out goings :-</b><br>Supplying, erecting & marking SPMCB 6A to 32A, C-series (for motor/power) in provided distribution board as per specification No. SW-SWR/MCB  | Nos | 12 | 202.54  | 2430.48  |
| 142 | Supplying, erecting & marking FPMCB 6A to 32A in provided distribution board as per specification No. SW-SWR/MCB (For Main's Switch )   | Nos | 2  | 1277.79 | 2555.58  |
| 143 | Supplying, erecting & marking FPMCB 40A to 63A in provided distribution board as per specification No. SW-SWR/MCB (For Main's Switch )  | Nos | 2  | 1655.29 | 3310.58  |
| 144 | Supplying & erecting CRCA sheet metal one way enclosures suitable for D.P.M.C.B. /T.P. M.C.B. /F.P M.C.B. complete erected on angle iron/ G.I. frame. (For Main's Switch )  | Nos | 4  | 471.88  | 1887.52  |



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| 145 | <p><b>LIGHTING FIXTURES</b><br/>Supplying, Installation, Testing &amp; Commissioning at site, taking approval prior to procurement, fixing in position, testing and commissioning of following light fixtures with all accessories such as spring loaded side holders, Electronic ballast, CRCA housing etc. all complete with supply of approved Colour lamps/tubes/LED's of approved make all complete as required and as per final direction and approval of Consultant.</p> <p>Supplying and erecting square / rectangular shaped CRCA /die-cast aluminium powder coated housing LED Panel (slim edge-lit) light suitable for 25 to 32W with provision for plane front frame with translucent cover fixed to the housing complete.</p> <p><b>Notes:</b><br/>1) System efficacy shall not be less than 85 lumens/watt,<br/>2) CRI shall be more than 70.<br/>3) Total Harmonic Distortion Voltage and Current shall be less than 15%<br/>4) Operating range shall be 140V to 270V<br/>5) Power Factor of Luminaire shall be more than 0.95<br/>6) Luminaire and Lamp shall be LM79,LM80 compliant respectively<br/>7) Luminaire shall conform respective IS.<br/>8) Luminaire Shall withstand surge protection upto 4 kV<br/>9) Luminaire shall carry minimum three years warranty.<br/>10) Color temperature shall be as requires between 4000K-6500K.</p> | Nos | 22 | 3286.19 | 72296.18 |
| 146 | <p><b>LIGHTING FIXTURES</b><br/>Supplying, Installation, Testing &amp; Commissioning at site, taking approval prior to procurement, fixing in position, testing and commissioning of following light fixtures with all accessories such as spring loaded side holders, Electronic ballast, CRCA housing etc. all complete with supply of approved Colour lamps/tubes/LED's of approved make all complete as required and as per final direction and approval of Consultant.</p> <p>Supply, Installation, Testing &amp; Commissioning of the Suspended 4 Ft 32 W LED luminaire with all necessary accessories.</p>  | Nos | 18 | 3246.67 | 58440.06 |



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| 147 | <p><b>LIGHTING FIXTURES</b><br/>Supplying, Installation, Testing &amp; Commissioning at site, taking approval prior to procurement, fixing in position, testing and commissioning of following light fixtures with all accessories such as spring loaded side holders, Electronic ballast, CRCA housing etc. all complete with supply of approved Colour lamps/tubes/LED's of approved make all complete as required and as per final direction and approval of Consultant.</p> <p>Supplying and erecting LED square / circular 5 to 8W downlighter having pressure die-cast aluminium housing, opal translucent cover, mounting arrangement with board for surface type or spring loaded mounting clips for flush type complete.</p> <p><b>Notes:</b><br/>1) System efficacy shall not be less than 85 lumens/watt,<br/>2) CRI shall be more than 70.<br/>3) Total Harmonic Distortion Voltage and Current shall be less than 15%<br/>4) Operating range shall be 140V to 270V<br/>5) Power Factor of Luminaire shall be more than 0.95<br/>6) Luminaire and Lamp shall be LM79,LM80 compliant respectively<br/>7) Luminaire shall conform respective IS.<br/>8) Luminaire Shall withstand surge protection upto 4 kV<br/>9) Luminaire shall carry minimum three years warranty.<br/>10) Color temperature shall be as requires between 4000K-6500K.</p>  | Nos | 6  | 876.95  | 5261.72  |
| 148 | <p><b>LIGHTING FIXTURES</b><br/>Supplying, Installation, Testing &amp; Commissioning at site, taking approval prior to procurement, fixing in position, testing and commissioning of following light fixtures with all accessories such as spring loaded side holders, Electronic ballast, CRCA housing etc. all complete with supply of approved Colour lamps/tubes/LED's of approved make all complete as required and as per final direction and approval of Consultant.</p> <p>Supplying and erecting LED square / circular 9 to 12W downlighter having pressure die-cast aluminium housing, opal translucent cover, mounting arrangement with board for surface type or spring loaded mounting clips for flush type complete.</p> <p><b>Notes:</b><br/>1) System efficacy shall not be less than 85 lumens/watt,<br/>2) CRI shall be more than 70.<br/>3) Total Harmonic Distortion Voltage and Current shall be less than 15%<br/>4) Operating range shall be 140V to 270V<br/>5) Power Factor of Luminaire shall be more than 0.95<br/>6) Luminaire and Lamp shall be LM79,LM80 compliant respectively<br/>7) Luminaire shall conform respective IS.<br/>8) Luminaire Shall withstand surge protection upto 4 kV<br/>9) Luminaire shall carry minimum three years warranty.<br/>10) Color temperature shall be as requires between 4000K-6500K.</p> | Nos | 26 | 1208.86 | 31430.37 |



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| 149 | <p><b>LIGHTING FIXTURES</b><br/>Supplying and erecting LED square / circular 16 to 20W downlighter having pressure die-cast aluminium housing, opal translucent cover, mounting arrangement with board for surface type or spring loaded mounting clips for flush type complete. mounting clips for flush type complete.</p> <p><b>Notes:</b><br/>1) System efficacy shall not be less than 85 lumens/watt,<br/>2) CRI shall be more than 70.<br/>3) Total Harmonic Distortion Voltage and Current shall be less than 15%<br/>4) Operating range shall be 140V to 270V<br/>5) Power Factor of Luminaire shall be more than 0.95<br/>6) Luminaire and Lamp shall be LM79, LM80 compliant respectively<br/>7) Luminaire shall conform respective IS.<br/>8) Luminaire Shall withstand surge protection upto 4 kV<br/>9) Luminaire shall carry minimum three years warranty.<br/>10) Color temperature shall be as requires between 4000K-6500K.</p>  | Nos | 74 | 1519.56 | 112447.44 |
| 150 | <p><b>LIGHTING FIXTURES</b><br/>Supplying, Installation, Testing &amp; Commissioning at site, taking approval prior to procurement, fixing in position, testing and commissioning of following light fixtures with all accessories such as spring loaded side holders, Electronic ballast, CRCA housing etc. all complete with supply of approved Colour lamps/tubes/LED's of approved make all complete as required and as per final direction and approval of Consultant.</p> <p>Supplying and erecting CRCA / die-cast aluminium powder coated housing LED Panel light (slim edge-lit) square / round shape suitable for 19 to 24 W with provision for plane front frame with translucent cover fixed to the housing complete.</p> <p><b>Notes:</b><br/>1) System efficacy shall not be less than 85 lumens/watt,<br/>2) CRI shall be more than 70.<br/>3) Total Harmonic Distortion Voltage and Current shall be less than 15%<br/>4) Operating range shall be 140V to 270V<br/>5) Power Factor of Luminaire shall be more than 0.95<br/>6) Luminaire and Lamp shall be LM79, LM80 compliant respectively<br/>7) Luminaire shall conform respective IS.<br/>8) Luminaire Shall withstand surge protection upto 4 kV<br/>9) Luminaire shall carry minimum three years warranty.<br/>10) Color temperature shall be as requires between 4000K-6500K.</p> | Nos | 6  | 2079.45 | 12476.70  |



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| 151 | <b>LIGHTING FIXTURES</b><br>Supplying, Installation, Testing & Commissioning at site, taking approval prior to procurement, fixing in position, testing and commissioning of following light fixtures with all accessories such as spring loaded side holders, Electronic ballast, CRCA housing etc. all complete with supply of approved Colour lamps/tubes/LED's of approved make all complete as required and as per final direction and approval of Consultant.<br><br>Supply, Installation, Testing & Commissioning of the LED Cove Light-4.8W / Mtr.   | M   | 21   | 763.33   | 16029.93  |
| 152 | SITC of motion sensors for light & AC control inside the closed cabin of approved make.  | Nos | 12   | 10066.67 | 120800.04 |
| 153 | SITC of battery operated call bell system with receiver unit with indicator & buzzing sound of approved make :Forbix Semicon/ Gold metal   | Nos | 10   | 800.00   | 8000.00   |
| 154 | Supplying and erecting double suspension heavy duty lacquered iron chain with hooks for erecting fluo.tube light fitting with necessary shielded copper flexible wire three core of 1 sq mm for connecting leads. (for measurements half of the actual length used) (For Suspended type Tube light in Cabins)  | Nos | 80   | 36.05    | 2884.00   |
| 155 | <b>POINT WIRING &amp; CONDUITING WORK<br/>CIRCUIT WIRING AND CONDUITS</b><br><br><b>Notes for all point wiring &amp; wiring work :</b><br>1. All points wiring, circuit wiring, sub mains wiring shall be done using rigid FR PVC CONDUITS as required, conduits of minimum 2 mm thickness and shall comply with IS 2509 of 1973 or amendments there of and FIA approval.<br>2.The point wiring shall comply to IS 732.<br>3.All switch boards under the point wiring shall be the standard boxes available and the same shall be suitable for concealed work/surface mounted work as per site. The boxes should be of Electro Zinc Plated/pvc as per the Manufactures standard practice as per site and should be suitable to accommodate number of control switches fan regulators, sockets, etc. as indicated in drawings.<br>4. All materials under this schedule shall deemed to be included by the Contractor in his scope.<br><br>Supplying & erecting mains with 2x2.5 sq.mm F.R. L.S copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places as per specification No: WG-MA/BW <b>(Note: Continuous running earth wire should be provided of min. 1.5 sq. mm. up to phase wire of 2.5 sq. mm. And further earth wire of half of the size of phase wire is to be used only for light &amp; power load .)</b><br>(Sub main wiring from DB to lighting switch board,Indoor AC power point,for Computer & Raw power point & for Inline exhaust fan power point.) | M   | 2125 | 69.99    | 148728.75 |



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| 156 | Supplying & erecting mains with 2x1.5 sq.mm F.R copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places as per specification No: WG-MA/BW <b>(Note: Continuous running earth wire should be provided of min. 1.5 sq. mm. up to phase wire of 2.5 sq. mm. And further earth wire of half of the size of phase wire is to be used only for light &amp; power load.)</b><br><br>(For secondary looped power point on workstation & secondary looped AC & Exhaust fan power point, Additional Wiring from 2 Way Switch to light fixture.) | M     | 810 | 44.54  | 36077.40  |
| 157 | Supplying & erecting I.S.I. mark Rigid P.V.C. conduit 25 mm. dia. with necessary accessories in wall/floor with chiselling appropriately as per specification No: WG-MA/CC, para no. 1.2.1<br>(Conduits for Lighting & Power circuit Wiring)   | M     | 800 | 139.97 | 111976.00 |
| 158 | Supplying & erecting I.S.I. mark Rigid P.V.C. conduit 20 mm. dia. with necessary accessories in wall/floor with chiselling appropriately as per specification No: WG-MA/CC, para no. 1.2.1<br>(Conduits for Lighting & Power circuit Wiring)   | M     | 200 | 123.01 | 24602.00  |
| 159 | Supplying and erecting UPVC reinforced flexible conduit 25 mm in dia. conforming to I.S. and approved make with required number of couplings, PVC bushes, check nuts etc.complete.<br>(Conduits for Lighting & Power circuit Wiring)   | M     | 150 | 107.10 | 16065.00  |
| 160 | Supplying and erecting UPVC reinforced flexible conduit 20 mm in dia. conforming to I.S. and approved make with required number of couplings, PVC bushes, check nuts etc.complete.<br>(Conduits for Lighting & Power circuit Wiring)   | M     | 100 | 94.38  | 9438.00   |
| 161 | Supplying and erecting PVC trunking (PVC casing-n-capping) of size 25 mm with accessories on wall/ceiling as per specification No: WG-MA/CON, para no. 1.1.2   | M     | 20  | 45.60  | 912.00    |
| 162 | Supplying and erecting PVC trunking (PVC casing-n-capping) of size 32 mm with accessories on wall/ceiling as per specification No: WG-MA/CON, para no. 1.1.2   | M     | 15  | 53.02  | 795.30    |
| 163 | <b>POINT WIRING</b><br>Point wiring for light/fan/bell /exhaust fan Hybrid type (Surface type under false ceiling and concealed type for drops & switch boards on walls) in min 20 mm PVC conduit / casing n capping with 1.5 sq.mm. (2+1E) FR grade copper wires, modular type switch, earthing and required accessories as per specification No:WG-PW/CW<br>(Point wiring from Switch board to Primary light point.)   | Point | 45  | 716.83 | 32257.35  |
| 164 | <b>POINT WIRING</b><br>Providing Chiseling & finishing with cement mortar / POP as per required to match the background in an approved manner for 20mm PVC conduits.   | M     | 70  | 116.67 | 8166.90   |



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| 165 | <b>POINT WIRING</b><br>Secondary Point wiring for additional light/<br>Bell point, concealed type in min 20 mm PVC<br>conduit with 1.5 sq.mm. (2+1E) FR/FRLS<br>grade copper wires with required accessories<br>as per specification No: WG-PW/CW<br>(Point wiring for secondary light points looped<br>from primary light point.)   | Point | 109 | 230.11 | 25081.99 |
| 166 | Supplying and erecting modular type switch<br>6A / 10A ISI mark approved make duly<br>erected on provided plate and box with wiring<br>connections complete.<br>(Considered for workstation, Water Dispenser,<br>Electrical Cattle, TV point & Near AC<br>equipment. Raw power - 51nos, Pantry-1no,<br>AC units - 27nos)   | Nos   | 79  | 94.38  | 7456.02  |
| 167 | Supplying and erecting modular type 3 pin 6A<br>multi socket with safety shutter ISI mark<br>approved make duly erected on provided plate<br>and box with wiring connections complete.<br>(Considered for workstation, Water Dispenser,<br>Electrical Cattle, TV point & Near AC<br>equipment. Raw power-51nos, W/S - 102nos,<br>Pantry-1nos, AC units - 27nos, TV - 3nos)   | Nos   | 184 | 123.01 | 22633.84 |
| 168 | Supplying and erecting unbreakable<br>concealed type modular switch box with<br>double mounting plate for 3 module duly<br>erected flush to wall with required chiselling<br>and finishing with cement mortar / POP as<br>per required to match the background in an<br>approved manner.<br>(3M Box are considered for the 16 A switch<br>socket, Water Dispenser & Electrical Cattle.<br>Utility - 28nos, Pantry-5nos, AC units -<br>27nos, Exhaust fan - 3nos) | Nos   | 63  | 289.49 | 18237.87 |
| 169 | Supplying and erecting unbreakable<br>concealed type modular switch box with<br>double mounting plate for 8 module duly<br>erected flush to wall with required chiselling<br>and finishing with cement mortar / POP as<br>per required to match the background in an<br>approved manner.<br>(8M Box are considered for Computer, Raw<br>power & TV point. Workstation - 51nos & TV<br>- 1No.)  | Nos   | 52  | 512.18 | 26633.36 |
| 170 | Supplying and erecting modular type switch<br>16A ISI mark approved make duly erected on<br>provided plate and box with wiring<br>connections complete.<br>(Considered for services, Hand dryer, Oven,<br>Hot Plate, Server rack, Fridge point & Inline<br>Exhaust Fan. Utility - 28nos, Pantry-3nos,<br>Exhaust fan - 3nos, W/S - 51nos, TV - 1nos)   | Nos   | 86  | 132.55 | 11399.30 |
| 171 | Supplying and erecting modular type 3 pin 6<br>/ 16A multi socket with safety shutter ISI<br>mark approved make duly erected on<br>provided plate and box with wiring<br>connections complete.<br>(Considered for services, Hand dryer, Oven,<br>Hot Plate, Server rack, Fridge point & Inline<br>Exhaust Fan. Utility - 28nos, Pantry-4nos,<br>Exhaust fan - 3nos)  | Nos   | 35  | 189.81 | 6643.35  |
| 172 | Wiring for plug on board with Switch socket<br>with copper wiring and earthing as per<br>specification No: WG-PW/SW  | Nos   | 14  | 117.70 | 1647.80  |
| 173 | Supplying and erecting modular type Two way<br>switch 6A / 10A (2 Module) ISI mark,<br>approved make, duly erected on provided<br>plate and box with wiring connections<br>complete.<br>(For All AGM, DGM, GM Cabins, Conference<br>room etc.)   | Nos   | 12  | 119.83 | 1437.96  |



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| 174 | <p><b>LT CABLES</b><br/>Supplying, erecting &amp; terminating PVC armoured cable 4core 10 sq mm copper conductor continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands &amp; lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/CU <b>(For Raw Power DB)</b></p> <p>Rate shall include all fixing accessories such as clamping devices, nuts and bolts, screws where laid in trenches. Providing GI angle iron supports in the wherever required and fabricated using 50 x 50 x 6 mm GI Angle iron frame work along with 25 x 6 mm GI flats along with anti rust painting and final coats of painting.</p>  | M   | 40 | 656.39   | 26255.60 |
| 175 | <p><b>LT CABLES</b><br/>Supplying, erecting &amp; terminating PVC armoured cable 4core 6 sq mm copper conductor continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands &amp; lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/CU <b>(For Lighting and AC DB)</b></p> <p>Rate shall include all fixing accessories such as clamping devices, nuts and bolts, screws where laid in trenches. Providing GI angle iron supports in the wherever required and fabricated using 50 x 50 x 6 mm GI Angle iron frame work along with 25 x 6 mm GI flats along with anti rust painting and final coats of painting.</p>   | M   | 60 | 441.13   | 26467.80 |
| 176 | <p><b>EARTHING</b><br/>Providing earthing with Copper earth plate size 60 x 60 x0.315 cm with funnel with a wire mesh for watering and brick masonry block C.I. cover with minimum 25 kg of maintenance free earth conductivity enhancing mineral earthing compound complete with all materials, testing &amp; recording the results as per specification no ESE -LA Add the Note in BOQ Description</p> <p><b>Note:- 1) Resistivity of the soil shall be checked and no of Terrec Compound bags shall be used as per guidelines elaborated in specification.</b><br/><b>2) Additional G.I. Pipe required from earth pit &amp; GI/Copper wire / strip more than 8 m in length from earth pit to installation to be provided separately.</b><br/><b>3) Record entries for earthing work shall be maintained.</b><br/><b>4) Requirement of no of bags shall be decided with respect to soil resistivity.</b><br/><b>5) All earth pits installation &amp; testing shall be as per IS 3043 with latest amendments.</b></p> | Nos | 2  | 19510.37 | 39020.74 |





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| 177 | <b>EARTHING</b><br>Supply, Installation, Testing & Commissioning, the following sizes of earthing strips or wires including providing all fixing accessories and effecting proper connections and as per final directions and approval of the Consultant.<br><br>Supplying and erecting Annealed bare copper wire of high purity of different sizes used for earthing on wall with necessary copper clamps fixed on wall/cable/conduit with screws in an approved manner. <b>(8 SWG CU WIRE IS USED.)</b> | Kg    | 66 | 946.94 | 62498.04 |
| 178 | <b>DISMANTLING ITEMS</b><br>Dismantling the existing ceiling fan/exhaust fan/cabin fan/bracket fan complete with accessories, G.I. down rod, frame etc. and making the site clear.  | Nos   | 30 | 38.17  | 1145.10  |
| 179 | <b>DISMANTLING ITEMS</b><br>Dismantling of existing fluorescent fittings of any type & size.  | Nos   | 35 | 15.91  | 556.85   |
| 180 | <b>DISMANTLING ITEMS</b><br>Dismantling the existing W.T.fluorescent fitting / S.V./ M.V/MH. lamp fitting from wall with brackets and making the site as original complete.   | Nos   | 40 | 47.72  | 1908.80  |
| 181 | <b>DISMANTLING ITEMS</b><br>Dismantling the existing light, fan, bell, clock, independent plug point, wiring including circuit mains of all types along with accessories etc.complete as per specification No: WG-DM/PW   | Point | 60 | 8.48   | 508.80   |
| 182 | <b>DISMANTLING ITEMS</b><br>Dismantling the existing cables of all types & size above 10 sq mm upto 50 sq.mm.   | M     | 30 | 22.27  | 668.10   |
| 183 | <b>DISMANTLING ITEMS</b><br>Dismantling the existing cables of all types & size above 50 sq.mm.   | M     | 30 | 29.69  | 890.70   |
| 184 | <b>DISMANTLING ITEMS</b><br>Dismantling the existing switchgears, DB, and Bus bar of any size complete with/ without board or angle iron frame  | Nos   | 4  | 95.44  | 381.76   |



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| 185 | <p><b>FIRE ALARM SYSTEM</b><br/>SITC of Microprocessor based 1 loop Standalone analogue addressable type Fire Alarm control panel with 80 (4 x 20) character Super Twist LCD display. The Loop capacity shall be able to take 198 analogue addressable devices in one loop with loop capacity of 99 detectors and 99 devices. The Fire Alarm Panel shall have the facility to integrate an emergency voice alarm communication system. Digitally stored message sequences shall notify the building occupants that a fire or life safety condition has been reported. Message generator(s) shall be capable of automatically distributing up to eight (8) simultaneous, unique messages to appropriate audio zones within the facility based on the type and location of the initiating event</p> <p>The Fire Alarm Panel shall be provided with Backnet / Modbus card for BMS integration. 240 volts AC power supply, automatic supervised battery charger, 24 volts sealed lead acid batteries sufficient for 24 hours normal working and then be capable of operating the system for 30 Minutes in emergency conditions as required.</p> <p>It shall BMS compatible and shall have sufficient numbers of programmable relay controls for integration with Main Fire Alarm Panel, Third party integration, controlling AHUs, pressurization fans, ventilation fans at fire pump room, monitoring of fire sprinkler and fire hydrant pump, 220 volts AC power supply, automatic battery charger 24 volts sealed lead acid batteries sufficient for 24 hours normal working and then be capable of operating the system for 2 hours during an emergency conditions as required.</p> | Nos | 1   | 205000.00 | 205000.00 |
| 186 | <p><b>FIRE ALARM SYSTEM</b><br/>SITC of Analoge addressable type multi sensor detector with mounting based LED, Address Switch to programme the detectors from 01-99, with BASE complete as required .</p>  | Nos | 2   | 3700.00   | 7400.00   |
| 187 | <p><b>FIRE ALARM SYSTEM</b><br/>SITC of Analoge addressable type smoke detector with mounting based LED.</p>  | Nos | 25  | 2866.67   | 71666.75  |
| 188 | <p>SITC of Analoge addressable type Heat detector with mounting based LED.</p>  | Nos | 1   | 3266.67   | 3266.67   |
| 189 | <p>Supply and erecting hooters with CRCA enclosure complete as per specification No. FF-FAAS/HTR</p>  | Nos | 2   | 625.64    | 1251.28   |
| 190 | <p>Supplying, erecting, testing and commissioning Manual Call Point (Pill box) with break glass push button in metal enclosure complete as per specification No. FF-FAAS/MCP.</p>   | Nos | 2   | 530.20    | 1060.40   |
| 191 | <p>Supplying, installing, testing and commissioning of shielded, Electron Beam Cross Link Mineral Insulated Fire Survival Cable 2 core of 0.8 sqmm to 1.5 sq. mm size cable through 25mm FR PVC conduit of approved make (as recommended by Consultant.) The cable shall be confirming to IS standards and specifications.</p>  | M   | 350 | 161.00    | 56350.00  |
| 192 | <p>Suppling &amp; laying Rigid PVC conduit 25 mm Dia with necessary accessories in RCC work/false ceiling/false flooring as per specification No. WG-MA/CC, para no. 1.2.1</p>  | M   | 630 | 113.46    | 71479.80  |



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| 193 | <b>PUBLIC ADDRESS SYSTEM</b><br>SITC of Point wiring for Music system from main music console to individual Speakers using approved make 1 pair twisted 40/36 flexible multi stranded copper conductor wire of required length. The rate shall also include supply and fixing PVC conduit of minimum 25 mm dia and having 1.8 mm thickness concealed in wall, for Music Point wiring all complete as required and as per final direction and approval of the Architect/Consultant.  | M   | 300 | 168.33   | 50499.00 |
| 194 | SITC at site of approved make or 4 inches diameter speakers of 6 Watts with impedance of 8 ohm RMS with decorative grill with suitable line matching transformer to work with the stated amplifier along with mounting brackets all complete as required and as per final direction and approval of the Architect/Consultant.   | Nos | 20  | 1650.00  | 33000.00 |
| 195 | Supply installation testing and commissioning of plena programme controller and router.   | Nos | 1   | 23333.33 | 23333.33 |
| 196 | Supply, installation, testing and commissioning of 4 zone microphone. The call station shall provide facilities to make calls to up to six selected zones in a PA system and also have single button all-call selection. Selected zones shall be indicated with amber LEDs on the call station, and two additional LEDs shall give visible feedback on the active state of the microphone and the system. A green LED shall indicate microphone on or chime active (flashing LED); amber shall indicate that the system is occupied by a source with a higher priority or operation error (flashing LED). | Nos | 1   | 36333.33 | 36333.33 |
| 197 | Supply, installation, testing and commissioning of 120W Amplifier with 8 ohm impedance. The power amplifiers shall have adequate continuous (RMS) power output to meet the requirement of the configuration. The unit shall be capable of delivering the rated output watts with less than 0.05% harmonic distortion in the design bandwidth. The amplifier shall have a broad band frequency response of 20 Hz to 20 KHz. The output voltage and impedance shall meet with the system requirements.  | Nos | 1   | 16000.00 | 16000.00 |
| 198 | <b>TV SYSTEM</b><br>Supply, Laying. connection, testing and commissioning of RG6 TV Cable from splitter to TV point.  | M   | 30  | 46.67    | 1400.10  |
| 199 | Supply, connection, testing and commissioning of 4 Way splitter   | Nos | 1   | 548.33   | 548.33   |
| 200 | Supplying and erecting modular type T.V. socket single outlet ISI mark approved make duly erected on provided plate and box with wiring connections complete.   | Nos | 1   | 101.80   | 101.80   |



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| 201 | Supply, connection, testing and commissioning of 55 inch LED Smart TV. with following features:<br>UHD (Resolution: 3840 x 2160)<br>Connectivity Ports: 3 HDMI, 2 USB<br>Audio Output: 20W, Dolby Digital Plus, 2.0 Ch (Down Firing w/ Bass Reflex)<br>Wall-Mount: Standard wall-mount<br>Bright Pictures & Fine Details with HDR<br>Smart TV with Free Apps<br>Screen Mirroring & Bluetooth 2-Way Audio<br>Active Crystal Color<br>Premium Metal Design<br>One Remote Control<br>(Make: Samsung / Sony / LG) | Nos | 1   | 213333.33 | 213333.33 |
| 202 | Supply, Laying, connection, testing and commissioning of HDMI cable in provided Raceway/Conduit etc.  | M   | 11  | 255.00    | 2805.00   |
| 203 | Supply ,testing and commissioning of HDMI Sockets and connectores at both end with all necessary accessories.   | Set | 2   | 691.67    | 1383.34   |
| 204 | <b>RODENT REPELLENT SYSTEM</b><br>'Supplying & erecting mains with 2x1.5 sq.mm F.R copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places as per specification<br>No: WG-MA/BW  | M   | 250 | 44.54     | 11135.00  |
| 205 | Supply, Installation, Testing and commissioning of Rodent Repellent Controller which has capacity to connect min <b>17 transducers</b> .The cost shall include all the necessary accessories to complete the job.The controllers should have variable frequency selection VHFO. <b>(Make:Maser / Ultrasonic Electronic or equivalent)</b>   | Nos | 1   | 24000.00  | 24000.00  |
| 206 | Supply, Installation, Testing and commissioning of Transducer. <b>(Make:Maser / Ultrasonic Electronic or equivalent)</b>  | Nos | 17  | 1550.00   | 26350.00  |
| 207 | Supply, Installation of MS stand to mount controller.   | Nos | 1   | 2033.33   | 2033.33   |
| 208 | <b>CCTV SYSTEM</b><br>Supply, installation, testing & commissioning of 2MP Dome camera<br>"1/3"" Progressive CMOS, ICR, 0lux with IR, 1920x1080:25fps(P)/30fps(N), 2.8~12mm VF lens, IP66, H.264/MJPEG, dual-stream, IP66, DC12V & PoE, 120dB WDR, 3D DNR, BLC, IR: up to 30m, Support on-board storage up to 64GB (SD card not included), Vandal-proof housing, Support Mobile Monitoring via EZVIZ P2P, H.264+ Optimized Codec<br>-S: Audio/alarm IO<br>-Z: Motorized VF lens"                              | Nos | 7   | 15166.67  | 106166.69 |
| 209 | Supply, installation, Testing and Commissioning of 4 Chaneel NVR for above cameras & Shall be compatible with <b>MDL</b> CCTV Network.<br>40Mbps Bit Rate Input Max(up to 4-ch video), 8 SATA interfaces, alarm I/O: 16/4, 2U case, 19"   | Nos | 2   | 7666.67   | 15333.34  |
| 210 | Supply, installation, testing & commissioning of 10 TB SURVILLANCE HDD.   | Nos | 2   | 56000.00  | 112000.00 |
| 211 | <b>WORK STATION</b><br>Intel core i7 2600 @ 3.4GHz., 8GB RAM of DDR3, 80 SATA in II Hard Drive, 1 GB-PCI - x16dual head video adapter, Resolution 1600 X 1200, 10/100/1000 Ethernet Network card.   | Nos | 2   | 93333.33  | 186666.66 |



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| 212 | 21" LCD Display Unit for 24x7 application.   | Nos | 2    | 22666.67 | 45333.34 |
| 213 | Supplying & installing UTP networking Cat-6 cable suitable for LAN / WAN Computer networking as per specification No. WG-COC/NC  | M   | 250  | 53.02    | 13255.00 |
| 214 | Supplying, installing & testing UTP Connector (RJ-45) as per specification No. WG-NAS/UTPC.  | Nos | 7    | 98.62    | 690.34   |
| 215 | <b>TELEPHONE , RACEWAY &amp; JUCNTION BOX</b><br>Supply, Installation, Testing & Commissioning in G.I. powder coated enclosure, MDF Box including supply of 1 No., punching tool complete with interconnections for incoming and outgoing telephone cables including ferruling, testing the joints, including all frame works for mounting the tag block systems.<br><br>Supplying, erecting & commissioning MDF Box 60 x 60 pairs as per specification No. WG-TW  | Nos | 2    | 2330.77  | 4661.54  |
| 216 | Supply, Installation, Testing & Commissioning in surface PVC insulated, PVC sheathed, armoured Jelly filled telephone armoured cables having minimum conductor cable size 0.51 dia tinned copper conductor of the following pairs complete with all fixing accessories such as G.I. saddles, G.I. screws, G.I. spacers /G.I. clamps etc. complete to above mentioned Krone Box.<br><br>Supplying & erecting telephone cable 50 pair with 0.5 mm dia. laid in provided PVC casing / conduit asper specification No. WG-TW | M   | 40   | 338.27   | 13530.80 |
| 217 | Supplying & erecting telephone cable 10 pair with 0.5 mm dia. laid in provided PVC casing / conduit asper specification No. WG-TW  | M   | 80   | 75.29    | 6023.20  |
| 218 | Supplying & erecting telephone cable 2 pair with 0.5 mm dia. laid in provided PVC casing / conduit asper specification No. WG-TW   | M   | 1960 | 24.39    | 47804.40 |
| 219 | Supplying and erecting modular type telephone socket one gang with safety shutter ISI mark approved make duly erected on provided plate and box with wiring connections complete.  | Nos | 56   | 100.74   | 5641.44  |
| 220 | Supply and Installation of 300X38 mm GI powder coated under floor raceway for Data & Voice.  | M   | 10   | 933.33   | 9333.30  |
| 221 | Supply and Installation of 250X38 mm GI powder coated under floor raceway for Data & Voice.  | M   | 20   | 876.67   | 17533.40 |
| 222 | Supply and Installation of 200X38 mm GI powder coated under floor raceway for Data & Voice.  | M   | 10   | 840.00   | 8400.00  |
| 223 | Supply and Installation of 100X38 mm GI powder coated under floor raceway for Data ,Voice & Power.   | M   | 31   | 466.67   | 14466.77 |
| 224 | Supply and Installation of 50X38 mm GI powder coated under floor raceway for Data , Voice & Power.   | M   | 73   | 350.00   | 25550.00 |
| 225 | Supply and Installation of 150X38 mm GI powder coated under floor raceway for Raw Power.   | M   | 30   | 558.33   | 16749.90 |
| 226 | Supply and Installation of GI powder coated junction box of size 350X350X50 mm with partition.   | Nos | 4    | 966.67   | 3866.68  |



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| 227 | Supply and Installation of GI powder coated junction box of size 250X250X50 mm with partition.  | Nos | 2    | 750.00   | 1500.00   |
| 228 | Supply and Installation of GI powder coated junction box of size 200X200X50 mm with partition.  | Nos | 7    | 650.00   | 4550.00   |
| 229 | Supply and Installation of GI powder coated junction box of size 150X150X50 mm with partition.  | Nos | 9    | 433.33   | 3899.97   |
| 230 | Supply and Installation of GI powder coated junction box of size 100X100X50 mm with partition.  | Nos | 26   | 385.00   | 10010.00  |
| 231 | <b>COMPUTER DATA CABLING</b><br>Supplying & installing UTP networking Cat-6 cable suitable for LAN / WAN Computer networking as per specification No. WG-COC/NC   | M   | 2000 | 53.02    | 106040.00 |
| 232 | Supplying, installing & testing UTP Connector (RJ-45) as per specification No. WG-NAS/UTPC.   | Nos | 61   | 98.62    | 6015.82   |
| 233 | Supplying and erecting modular type computer Jack RJ 45 with safety shutter ISI mark approved make duly erected on provided plate and box with wiring connections complete.   | Nos | 61   | 127.25   | 7762.25   |
| 234 | supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 2 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background in an approved manner.                              | Nos | 61   | 253.44   | 15459.84  |
| 235 | Supplying and fixing 24 port Patch Panel with tool-less keystone jacks in provided U Rack complete as per specification no. WGNAS/ PP   | Nos | 3    | 11907.28 | 35721.84  |
| 236 | Supply, Installation, Testing & Commissioning at site of Giga Speed L2 28-Port Gigabit WebSmart PoE Switch with 24 UTP and 4 SFP Ports of approved make all complete as required and as per final direction and approval of Consultant. (Make: Cisco/ HP / DLink)                                   | Nos | 3    | 24500.00 | 73500.00  |
| 237 | Supplying and fixing 15U Wall Mount Rack (Dimension-DxWXH - 450X550X767 mm) as per specification in approved manner   | Nos | 1    | 11395.10 | 11395.10  |
| 238 | Supplying and fixing 3 meter length, UTP Patch cord of Cat 6 type in position as per specification No. WG-COC/PC  | Nos | 3    | 378.56   | 1135.68   |
| 239 | Supplying and fixing 1 meter length, UTP Patch cord of Cat 6 type in position as per specification No. WG-COC/PC  | Nos | 61   | 273.58   | 16688.38  |
| 240 | Supplying and erecting FR grade, PVC armoured multimode armoured multimode Optical Fibre Cable with 6 fibres, with core dia 50/125 µm (OM3) suitable for 1 GBps ethernet distance at 850 nm of wavelength, on wall/ceiling or laid in provided pipe/trench as per specification No. WG-COC/OFC LSZH | M   | 90   | 238.59   | 21473.10  |
| 241 | Supplying & erecting I.S.I. mark Rigid P.V.C. conduit 20 mm. dia. with necessary accessories in wall/floor with chiselling appropriately as per specification No: WG-MA/CC, para no. 1.2.1  | M   | 100  | 123.01   | 12301.00  |
| 242 | Supplying and fixing Wall Mount 12 Ports, Light guide unloaded interconnect Unit with adapter Panel as per specification in approved manner   | Nos | 1    | 4783.48  | 4783.48   |
| 243 | Supplying and fixing SC/LC type Multimode Duplex Adaptor to couple two connectors between OFC & Fibre switch/Fibre module as per specification no. WG-NAS/MMA   | Nos | 1    | 558.83   | 558.83    |



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| 244 | Supplying and fixing SC/LC type Multimode Pigtaills (OM3) for LIU to terminate OFC in LIU as per specification No. WG-NAS/LIU2   | Nos | 6  | 711.53    | 4269.18   |
| 245 | <b>Transceiver</b><br>1-port mini-GBIC SX Mutli-mode Fiber Transceiver (up to 550m, support 3.3V power) , LC connector<br>Model : DEM-311GT  | Nos | 1  | 6075.00   | 6075.00   |
| 246 | <b>ACCESS CONTROL SYSTEM</b><br>S.I.T.C of Electro Magnetic Lock (600 Lbs) with magnetic contact<br>Single leaf  | Nos | 4  | 2466.67   | 9866.68   |
| 247 | S.I.T.C of stand alone type <b>Biometric reader</b> which shall be configurable with central fingre print.(employe capacity:50)<br><br>Cost shall include the necessary software & accesories to complete the job.   | Nos | 4  | 15000.00  | 60000.00  |
| 248 | Supplying & installing UTP networking Cat-6 cable suitable for LAN / WAN Computer net-working as per specification No. WG-COC/NC   | M   | 80 | 53.02     | 4241.60   |
| 249 | Supply, Installation, Testing and Commssioining of <b>8 core 0.75 Sq mm</b> shielded ATC PVC Sheathed Cable to connect Card Readers to controller as specified in the Tender Specifications  | M   | 80 | 215.00    | 17200.00  |
| 250 | Supply, Installation, Testing and Commssioining of <b>(2 x2.5 +1.5) sq. mm</b> Cu flexible FRLS wire for supply of power to controller.  | M   | 35 | 121.00    | 4235.00   |
| 251 | S.I.T.C of Push button exit switch(Modular type)   | Nos | 4  | 1616.67   | 6466.68   |
| 252 | CUSTOM MADE/MODULAR FURNITURE<br>All Furniture and Assembly should comply with the standards and certifications of the<br>(A) The Business and Institutional Furniture Manufacturers Association (BIFMA)<br>(B) GREENGUARD Certification for Low Emitting Products and Materials<br>Providing and fixing table made up of TOP- 40X40mmTW frame @ 450mm C/C with 19mm thick marine plywood finished with 4mm thick veneer with melamine polish, bottom woth 9mm thick marine plywood finished with 4mm thick veneer with melamine polish, 10mm thick BTC patti @ side with melamine polish, 300mm wide & 8mm thick toughened back painted glass fixed on top.<br>Support - Made up of 19mm thick marine plywood finished with 4mm thick veneer with melamine polish outside, 1mm thick laminate inside,<br>Shutter - 19mm thick marine plywood finished with 4mm thick veneer with melamine polish outside & 1mm thick laminate from inside, 50mm high SS Skirting, including supports,drawers,POP up box for electrical/DATA points etc. complete as directed of approved shape & design as per drawing, all as directed. (Basic Rate of Laminate of Rs. 338/-Sq.mt) (Basic rate of Veneer of Rs. 2000/-Sq.mt)<br><br>20 Conference room table of size 7500 X 1350 X 750mm High, with 3nos flip top cable manageras. (Dwg no WD-022-023) | Nos | 1  | 219420.00 | 219420.00 |



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| 253 | <p>CUSTOM MADE/MODULAR FURNITURE<br/>All Furniture and Assembly should comply with the standards and certifications of the<br/>(A) The Business and Institutional Furniture Manufacturers Association (BIFMA)<br/>(B) GREENGUARD Certification for Low Emitting Products and Materials<br/>Providing and fixing GM table made up of 19mm thick marine plywood fixed on 50X50X1.5mm thick Aluminium section @ 450mm C/C, 18mm thick Italian marble fixed on Top, Sides- 15mm thick TW patti fixed on aluminium frame finished with 18mm thick Italian marble, Bottom- 9mm thick marine ply finished with 4mm thick veneer with imported PU coating &amp; Legs - 2nos 150/100mm wide box with 19mm thick marine plywood finished with 4mm thick veneer with imported coating, Apren- 25X50X1.5mm thick Alu. frame @ 450mm C/C with 9+6mm thick marine ply finished with veneer on one side &amp; 9mm thick marine ply finished with veneer with melamine polish, including supports, drawers, etc. complete as directed of approved shape &amp; design as per drawing, all as directed. (Basic Rate of Laminate of Rs. 338/-Sq.mt)(Basic rate of Veneer of Rs. 2000/-Sq.mt)<br/>Side credenza - top - 18mm thick Italian marble fixed on 19mm thick marine ply, bottom with 1mm thick laminate, sides, drawers with 19mm thick marine ply finished with 1mm thick laminate, shutters with 19mm thick marine ply finished with 4mm thick marine ply with melamine polish one side &amp; 1mm thick laminate fixed on other side etc. complete as per drawing.</p> <p>Gm table - 2100 X 900 X 750mm high, Side credenza 1300 X 500 X 600mm high, (Dwg no WD-024)</p> | Nos | 1 | 120371.48 | 120371.48 |
| 254 | <p>CUSTOM MADE/MODULAR FURNITURE<br/>All Furniture and Assembly should comply with the standards and certifications of the<br/>(A) The Business and Institutional Furniture Manufacturers Association (BIFMA)<br/>(B) GREENGUARD Certification for Low Emitting Products and Materials<br/>Providing and fixing table &amp; Apren made up of 19+12mm thick marine plywood, 4mm thick veneer finished top &amp; Bottom with melamine polish, 6mm thick clear NR glass fixed on top, bottom - 19mm thick marine plywood finished with 4mm thick veneer with melamine polish, Side credenza &amp; Back unit - 25mm thick postform top fixed on 19mm thick marine plywoode with hinged shutter,,backside 9mm thick marine ply finished with 1mm thick laminate,verticles 19mm thick marine ply finished with laminate, drawers 19mm thick marine ply finished with 1mm thick laminate, including supports, etc. complete as directed of approved shape &amp; design as per drawing, all as directed. Sizes are following. (Basic Rate of Laminate of Rs. 338/-Sq.mt)(Basic rate of Veneer of Rs. 2000/-Sq.mt)<br/>AGM table - 1950 X 900 X 750mm high, Side credenza 1050 X 450mm, back unit 1950 X 450mm. As per attached drawing no. WD-0-201</p>   | Nos | 3 | 144025.38 | 432076.14 |





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| 255 | <p>CUSTOM MADE/MODULAR FURNITURE<br/>All Furniture and Assembly should comply with the standards and certifications of the<br/>(A) The Business and Institutional Furniture Manufacturers Association (BIFMA)<br/>(B) GREENGUARD Certification for Low Emitting Products and Materials<br/>Providing and fixing table &amp; Apren made up of 19+12mm thick marine plywood, 4mm thick veneer finished top &amp; Bottom with melamine polish, 6mm thick clear NR glass fixed on top, bottom - 19mm thick marine plywood finished with 4mm thick veneer with melamine polish, Side credenza &amp; Back unit - 25mm thick postform top fixed on 19mm thick marine plywoode with hinged shutter,,backside 9mm thick marine ply finished with 1mm thick laminate,verticles 19mm thick marine ply finished with laminate, drawers 19mm thick marine ply finished with 1mm thick laminate, including supports, etc. complete as directed of approved shape &amp; design as per drawing, all as directed. Sizes are following.(Basic Rate of Laminate of Rs. 338/-Sq.mt)(Basic rate of Veneer of Rs. 2000/-Sq.mt)</p> <p>600mm deep Counter/Ledge made up of 25X40X1.5mm aluminium section with 9mm thick marine plywood @ top &amp; bottom finished with 4mm thick veneer with melamine polish etc. complete.</p>   | M | 5  | 9540.00 | 47700.00 |
| 256 | <p>CUSTOM MADE/MODULAR FURNITURE<br/>All Furniture and Assembly should comply with the standards and certifications of the<br/>(A) The Business and Institutional Furniture Manufacturers Association (BIFMA)<br/>(B) GREENGUARD Certification for Low Emitting Products and Materials<br/>Providing and fixing table &amp; Apren made up of 19+12mm thick marine plywood, 4mm thick veneer finished top &amp; Bottom with melamine polish, 6mm thick clear NR glass fixed on top, bottom - 19mm thick marine plywood finished with 4mm thick veneer with melamine polish, Side credenza &amp; Back unit - 25mm thick postform top fixed on 19mm thick marine plywoode with hinged shutter,,backside 9mm thick marine ply finished with 1mm thick laminate,verticles 19mm thick marine ply finished with laminate, drawers 19mm thick marine ply finished with 1mm thick laminate, including supports, etc. complete as directed of approved shape &amp; design as per drawing, all as directed. Sizes are following.(Basic Rate of Laminate of Rs. 338/-Sq.mt)(Basic rate of Veneer of Rs. 2000/-Sq.mt)</p> <p>450mm deep Counter/Ledge made up of 30X30X6mm Concealed MS 'L' bracket, 600mm high X 450mm deep, plced @ 450mm C/C. With teakwood framework, covered with 19mm thick marine plywood @ top &amp; 6mm thick @ bottom finished with 4mm thick veneer with melamine polish etc. complete.</p> | M | 10 | 6626.06 | 66260.60 |



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| 257 | <p>CUSTOM MADE/MODULAR FURNITURE<br/>All Furniture and Assembly should comply with the standards and certifications of the<br/>(A) The Business and Institutional Furniture Manufacturers Association (BIFMA)<br/>(B) GREENGUARD Certification for Low Emitting Products and Materials<br/>Providing and fixing table &amp; Apren made up of 19+12mm thick marine plywood, 4mm thick veneer finished top &amp; Bottom with melamine polish, 6mm thick clear NR glass fixed on top, bottom - 19mm thick marine plywood finished with 4mm thick veneer with melamine polish, Side credenza &amp; Back unit - 25mm thick postform top fixed on 19mm thick marine plywoode with hinged shutter,,backside 9mm thick marine ply finished with 1mm thick laminate,verticles 19mm thick marine ply finished with laminate, drawers 19mm thick marine ply finished with 1mm thick laminate, including supports, etc. complete as directed of approved shape &amp; design as per drawing, all as directed. Sizes are following,(Basic Rate of Laminate of Rs. 338/-Sq.mt)(Basic rate of Veneer of Rs. 2000/-Sq.mt)</p> <p>Gm table - 2100 X 900 X 750mm high, Side credenza 1050 X 450mm, back unit 2100 X 450mm.</p>  | Nos | 1 | 149407.00 | 149407.00 |
| 258 | <p>CUSTOM MADE/MODULAR FURNITURE<br/>All Furniture and Assembly should comply with the standards and certifications of the<br/>(A) The Business and Institutional Furniture Manufacturers Association (BIFMA)<br/>(B) GREENGUARD Certification for Low Emitting Products and Materials<br/>Providing and fixing table &amp; Apren made up of 19+12mm thick marine plywood, 4mm thick veneer finished top &amp; Bottom with melamine polish, 6mm thick clear NR glass fixed on top, bottom - 19mm thick marine plywood finished with 4mm thick veneer with melamine polish, Side credenza &amp; Back unit - 25mm thick postform top fixed on 19mm thick marine plywoode with hinged shutter,,backside 9mm thick marine ply finished with 1mm thick laminate,verticles 19mm thick marine ply finished with laminate, drawers 19mm thick marine ply finished with 1mm thick laminate, including supports, etc. complete as directed of approved shape &amp; design as per drawing, all as directed. Sizes are following,(Basic Rate of Laminate of Rs. 338/-Sq.mt)(Basic rate of Veneer of Rs. 2000/-Sq.mt)</p> <p>DGM table - 1500 X 750 X 750mm high, Side credenza 1050 X 450mm, back unit 1500 X 450mm.</p> | Nos | 2 | 118908.68 | 237817.36 |



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| 259 | <p>CUSTOM MADE/MODULAR FURNITURE<br/>All Furniture and Assembly should comply with the standards and certifications of the<br/>(A) The Business and Institutional Furniture Manufacturers Association (BIFMA)<br/>(B) GREENGUARD Certification for Low Emitting Products and Materials<br/>Providing and fixing table &amp; Apren made up of 19+12mm thick marine plywood, 4mm thick veneer finished top &amp; Bottom with melamine polish, 6mm thick clear NR glass fixed on top, bottom - 19mm thick marine plywood finished with 4mm thick veneer with melamine polish, Side credenza &amp; Back unit - 25mm thick postform top fixed on 19mm thick marine plywoode with hinged shutter,,backside 9mm thick marine ply finished with 1mm thick laminate,verticles 19mm thick marine ply finished with laminate, drawers 19mm thick marine ply finished with 1mm thick laminate, including supports, etc. complete as directed of approved shape &amp; design as per drawing, all as directed. Sizes are following.(Basic Rate of Laminate of Rs. 338/-Sq.mt)(Basic rate of Veneer of Rs. 2000/-Sq.mt)</p> <p>GM's PA Table 1500 X 750 X 750mm high, side Credenza 900 X 450mm, back unit 1500 X 450mm.</p> | Nos | 1 | 92994.86 | 92994.86 |
| 260 | <p>CUSTOM MADE/MODULAR FURNITURE<br/>All Furniture and Assembly should comply with the standards and certifications of the<br/>(A) The Business and Institutional Furniture Manufacturers Association (BIFMA)<br/>(B) GREENGUARD Certification for Low Emitting Products and Materials<br/>Providing and fixing table &amp; Apren made up of 19+12mm thick marine plywood, 4mm thick veneer finished top &amp; Bottom with melamine polish, 6mm thick clear NR glass fixed on top, bottom - 19mm thick marine plywood finished with 4mm thick veneer with melamine polish, Side credenza &amp; Back unit - 25mm thick postform top fixed on 19mm thick marine plywoode with hinged shutter,,backside 9mm thick marine ply finished with 1mm thick laminate,verticles 19mm thick marine ply finished with laminate, drawers 19mm thick marine ply finished with 1mm thick laminate, including supports, etc. complete as directed of approved shape &amp; design as per drawing, all as directed. Sizes are following.(Basic Rate of Laminate of Rs. 338/-Sq.mt)(Basic rate of Veneer of Rs. 2000/-Sq.mt)</p> <p>GM's PA Table 1500 X 750 X 750mm high, side Credenza 900 X 450mm,</p>                         | Nos | 1 | 65863.10 | 65863.10 |



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| 261 | <p>CUSTOM MADE/MODULAR FURNITURE<br/>All Furniture and Assembly should comply with the standards and certifications of the<br/>(A) The Business and Institutional Furniture Manufacturers Association (BIFMA)<br/>(B) GREENGUARD Certification for Low Emitting Products and Materials<br/>Providing and fixing table &amp; Apren made up of 19+12mm thick marine plywood, 4mm thick veneer finished top &amp; Bottom with melamine polish, 6mm thick clear NR glass fixed on top, bottom - 19mm thick marine plywood finished with 4mm thick veneer with melamine polish, Side credenza &amp; Back unit - 25mm thick postform top fixed on 19mm thick marine plywoode with hinged shutter,,backside 9mm thick marine ply finished with 1mm thick laminate,verticles 19mm thick marine ply finished with laminate, drawers 19mm thick marine ply finished with 1mm thick laminate, including supports, etc. complete as directed of approved shape &amp; design as per drawing, all as directed. Sizes are following,(Basic Rate of Laminate of Rs. 338/-Sq.mt)(Basic rate of Veneer of Rs. 2000/-Sq.mt)</p> <p>CM Cubicle Table 1500 X 750 X 750mm high, side Credenza 900 X 450mm,</p>                       | Nos | 6 | 65863.10 | 395178.60 |
| 262 | <p>CUSTOM MADE/MODULAR FURNITURE<br/>All Furniture and Assembly should comply with the standards and certifications of the<br/>(A) The Business and Institutional Furniture Manufacturers Association (BIFMA)<br/>(B) GREENGUARD Certification for Low Emitting Products and Materials<br/>Providing and fixing table &amp; Apren made up of 19+12mm thick marine plywood, 4mm thick veneer finished top &amp; Bottom with melamine polish, 6mm thick clear NR glass fixed on top, bottom - 19mm thick marine plywood finished with 4mm thick veneer with melamine polish, Side credenza &amp; Back unit - 25mm thick postform top fixed on 19mm thick marine plywoode with hinged shutter,,backside 9mm thick marine ply finished with 1mm thick laminate,verticles 19mm thick marine ply finished with laminate, drawers 19mm thick marine ply finished with 1mm thick laminate, including supports, etc. complete as directed of approved shape &amp; design as per drawing, all as directed. Sizes are following,(Basic Rate of Laminate of Rs. 338/-Sq.mt)(Basic rate of Veneer of Rs. 2000/-Sq.mt)</p> <p>CM Cabin Table 1500 X 750 X 750mm high, side Credenza 900 X 450mm, back unit 1500 X 450mm.</p> | Nos | 1 | 92994.86 | 92994.86  |



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|-----|---|-----|---|----------|----------|
| 263 | <p>CUSTOM MADE/MODULAR FURNITURE<br/>All Furniture and Assembly should comply with the standards and certifications of the<br/>(A) The Business and Institutional Furniture Manufacturers Association (BIFMA)<br/>(B) GREENGUARD Certification for Low Emitting Products and Materials<br/>Providing and fixing Interview table shape as per drawing made up of 19mm thick marine plywood fixed on 50X50mm thick TW frame @ 450mm C/C, 4mm thick veneer finished top with melamine polish &amp; bottom 1mm thick laminate, &amp; verticles with 9+9mm thick flexi plywood finished 4mm thick veneer with melamine polish outside &amp; 1mm thick laminate from inside, 50mm high SS Skirting, including supports,drawers, etc. complete as directed of approved shape &amp; design as per drawing, all as directed. (Basic Rate of Laminate of Rs. 324/-Sq.mt)(Basic rate of Veneer of Rs. 2000/-Sq.mt)<br/>Interview room table of size 2.667X1.35mt, shape as per drawing.(Dwg no WD21)</p> | Nos | 1 | 92660.96 | 92660.96 |
| 264 | <p>CUSTOM MADE/MODULAR FURNITURE<br/>All Furniture and Assembly should comply with the standards and certifications of the<br/>(A) The Business and Institutional Furniture Manufacturers Association (BIFMA)<br/>(B) GREENGUARD Certification for Low Emitting Products and Materials<br/>Providing and fixing Repr table made up of 25mm thick postform top, Verticle, shutter, drawer with 19mm thick marine plywood finished with 4mm thick veneer with melamine polish from outside &amp; 1mm thick laminate from inside, Back- with 9mm thick marine plywood finished with 1mm thick laminate fixed on both sides, 50mm high ss skirting including supports,drawers, etc. complete as directed of approved shape &amp; design as per drawing, all as directed. Sizes are following.(Basic Rate of Laminate of Rs. 647/-Sq.mt)(Basic rate of Veneer of Rs. 2000/-Sq.mt) (Dwg no WD008)<br/>Repr table of size 1225 X 700 X 750mm high</p>  | Nos | 1 | 32288.66 | 32288.66 |
| 265 | <p>CUSTOM MADE/MODULAR FURNITURE<br/>All Furniture and Assembly should comply with the standards and certifications of the<br/>(A) The Business and Institutional Furniture Manufacturers Association (BIFMA)<br/>(B) GREENGUARD Certification for Low Emitting Products and Materials<br/>Providing and fixing Repr table made up of 25mm thick postform top, Verticle, shutter, drawer with 19mm thick marine plywood finished with 4mm thick veneer with melamine polish from outside &amp; 1mm thick laminate from inside, Back- with 9mm thick marine plywood finished with 1mm thick laminate fixed on both sides, 50mm high ss skirting including supports,drawers, etc. complete as directed of approved shape &amp; design as per drawing, all as directed. Sizes are following.(Basic Rate of Laminate of Rs. 647/-Sq.mt)(Basic rate of Veneer of Rs. 2000/-Sq.mt) (Dwg no WD008)<br/>Repr table of size 1168 X 650 X 750mm high</p>  | Nos | 1 | 28588.20 | 28588.20 |



|     |  |     |   |          |           |
|-----|--|-----|---|----------|-----------|
| 266 | <p>CUSTOM MADE/MODULAR FURNITURE<br/>All Furniture and Assembly should comply with the standards and certifications of the<br/>(A) The Business and Institutional Furniture Manufacturers Association (BIFMA)<br/>(B) GREENGUARD Certification for Low Emitting Products and Materials<br/>Providing and fixing Rebro table made up of 25mm thick postform top, Verticle, shutter, drawer with 19mm thick marine plywood finished with 4mm thick veneer with melamine polish from outside &amp; 1mm thick laminate from inside, Back- with 9mm thick marine plywood finished with 1mm thick laminate fixed on both sides, 50mm high ss skirting including supports,drawers, etc. complete as directed of approved shape &amp; design as per drawing, all as directed. Sizes are following.(Basic Rate of Laminate of Rs. 647/-Sq.mt)(Basic rate of Veneer of Rs. 2000/-Sq.mt) (Dwg no WD008)</p> <p>Rebro table of size 1150 X 625 X 750mm high</p>  | Nos | 1 | 27064.98 | 27064.98  |
| 267 | <p>CUSTOM MADE/MODULAR FURNITURE<br/>All Furniture and Assembly should comply with the standards and certifications of the<br/>(A) The Business and Institutional Furniture Manufacturers Association (BIFMA)<br/>(B) GREENGUARD Certification for Low Emitting Products and Materials<br/>Providing and fixing Rebro table made up of 25mm thick postform top, Verticle, shutter, drawer with 19mm thick marine plywood finished with 4mm thick veneer with melamine polish from outside &amp; 1mm thick laminate from inside, Back- with 9mm thick marine plywood finished with 1mm thick laminate fixed on both sides, 50mm high ss skirting including supports,drawers, etc. complete as directed of approved shape &amp; design as per drawing, all as directed. Sizes are following.(Basic Rate of Laminate of Rs. 647/-Sq.mt)(Basic rate of Veneer of Rs. 2000/-Sq.mt) (Dwg no WD008)</p> <p>Rebro table of size 1688 X 575 X 750mm high</p>  | Nos | 1 | 39725.62 | 39725.62  |
| 268 | <p>CUSTOM MADE/MODULAR FURNITURE<br/>All Furniture and Assembly should comply with the standards and certifications of the<br/>(A) The Business and Institutional Furniture Manufacturers Association (BIFMA)<br/>(B) GREENGUARD Certification for Low Emitting Products and Materials</p> <p>Angular/Linear Workstation</p> <p>PENTA WORKSTATIONS - 1500 X 1500 X 600<br/>Providing and placing LINEA DESK based modular workstation with System ht -1200 mm</p> <p>PARTIAL SCREENS: framed aluminum extrusions (HE-9 IS: 63400) screens in 23 mm thickness in single/double block has been offered in fabric/fab mag/prelam/white board fnish.</p> <p>END TO END SCREENS: 23 mm thk screens framed aluminum extrusions (HE-9 IS: 63400) single block/double block om the shared conditions and double block/3 block for aisle screens. The respective finishes for the screens shall be fab/fabric magnetic/white board/laminated.</p> <p>UNDERSTRUCTURE: Comprising of metal powder coated cross connectors between legs, legs CO2 welded MS tube of section 50.8mm x</p> | Nos | 6 | 36820.37 | 220922.22 |



|  |  |  |  |  |  |
|--|--|--|--|--|--|
| <p>50.8mm x 1.2mm thick (as per IS: 7138 ERW) made up of metal powder coated finish with average 50 to 60-micron thickness of epoxy powder coating and the entire assembly is fixed to the worktop with the help of ABS plastic spacers 20 mm high which gives the floating look to the w/s module.</p> <p>Wire Management : Metal powder coated Cable pole of size 170mm w x 85 mm d x 705 mm ht/ snake wire/ cable riser leg is given to pull wires from the floor junction box upto the power box fixed under neath the worktop.</p> <p>Aluminium access flaps on worktop above power box cut out for accessing switches. To carry wires forward through w/s mesh type wire carrier assembly is provided below worktops.</p> <p>HALF SCREEN: Half screen along the depth of worktop is given in fabric/fabric magnetic/ glass/ lexan/DL of thickness 23 mm. This screen shall be framed single block screen and will match system ht and worktop depth.</p> <p>Worksurface - out of 25 mm thk prelaminated particle board interior grade (As per IS: 12823) with flat pvc lipping edge banding of size 1500 mm w x 1500 mm w x 600 mm d.</p> <p>Pedestals -The free-standing full height and now low height partitions shall be offered with the system. All drawers shall be with double extension precision ball slide. For opening of the drawer, side wise tapered recess shall be provided in shell behind drawer fronts. The castors shall be provided in the 4 corners at the base. The fifth roller shall be provided for anti-tipping of the pedestal.</p> <p>size 390 mm w x 435 mm d x 646 mm ht 3dr = 2box+1file.</p> <p>CPU trolley - with castors</p> <p>KBPT with/without mousetray - plastic/metal/articulated</p> <p>File Holder - This shall be made from 1.6mm thick MS CRCA Grade D as per IS: 513-1994. This shall be slid to any convenient location along the groove in the horizontal extrusion. File holder shall be coated with min 45-micron thickness of epoxy powder coating.</p> <p>Mobile Holder - This shall be fabricated with blank 195.1L x 154.5W (IS: 513-1994, 0.8mm CRMS) and shall be coated with minimum 45-micron thickness of epoxy powder coating. Overall size of the mobile holder shall be 137.6W x 86.6D x 96.3H.</p> <p>Pen stand - Front of this 155.1L x 119.1W shall be spot welded with pen stand back 127.8L x 80.0W (IS: 513-1994, 0.8mm CRMS) at bottom side and CO2 shall be welded at two sides and shall be coated with min 45-micron thickness of epoxy powder coating. Overall size of the pen stand shall be 84.9W x 46.5D x 103.8H.</p> <p>Name Plate - This shall be made up of name plate front and back of 0.8mm thick M.S. CRCA Grade D as per IS: 513-1994 with spot welded together. It shall be bent at top and bottom edges to create the cavity to slide paper. Name plate shall be slid to any convenient location along the groove in the horizontal extrusion. It shall be coated with min. 45-micron thickness of epoxy powder coating.</p> |  |  |  |  |  |
|--|--|--|--|--|--|



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|-----|--|-----|----|----------|-----------|
| 269 | <p>CUSTOM MADE/MODULAR FURNITURE<br/>All Furniture and Assembly should comply with the standards and certifications of the<br/>(A) The Business and Institutional Furniture Manufacturers Association (BIFMA)<br/>(B) GREENGUARD Certification for Low Emitting Products and Materials</p> <p><b>RECTA WORKSTATIONS - 1200 x 600</b></p> <p>Providing and placing DESK based modular workstation with System ht -1200 mm<br/>PARTIAL SCREENS: framed aluminum extrusions (HE-9 IS: 63400) screens in 23 mm thickness in single/double block has been offered in fabric/fab mag/prelam/white board finish.</p> <p>END TO END SCREENS: 23 mm thk screens framed aluminum extrusions (HE-9 IS: 63400) single block/double block on the shared conditions and double block/3 block for aisle screens. The respective finishes for the screens shall be fab/fabric magnetic/white board/laminated.</p> <p>UNDERSTRUCTURE: Comprising of metal powder coated cross connectors between legs, legs CO2 welded MS tube of section 50.8mm x 50.8mm x 1.2mm thick (as per IS: 7138 ERW) made up of metal powder coated finish with average 50 to 60-micron thickness of epoxy powder coating and the entire assembly is fixed to the worktop with the help of ABS plastic spacers 20 mm high which gives the floating look to the w/s module.</p> <p>Wire Management : Metal powder coated Cable pole of size 170mm w x 85 mm d x 705 mm ht/ snake wire/ cable riser leg is given to pull wires from the floor junction box upto the power box fixed under neath the worktop. Aluminium access flaps on worktop above power box cut out for accessing switches. To carry wires forward through w/s mesh type wire carrier assembly is provided below worktops.</p> <p>HALF SCREEN: Half screen along the depth of worktop is given in fabric/fabric magnetic/ glass/ lexan/DL of thickness 23 mm. This screen shall be framed single block screen and will match system ht and worktop depth. Worksurface - out of 25 mm thk prelaminated particle board interior grade (As per IS: 12823) with flat pvc lipping edge banding of size 1200 mm w x 600 mm d.</p> <p>Pedestals -The free-standing full height and now low height partitions shall be offered with the system. All drawers shall be with double extension precision ball slide. For opening of the drawer, side wise tapered recess shall be provided in shell behind drawer fronts. The castors shall be provided in the 4 corners at the base. The fifth roller shall be provided for anti-tipping of the pedestal.<br/>size 390 mm w x 435 mm d x 646 mm ht 3dr = 2box+1file.</p> <p>CPU trolley - with castors<br/>KBPT with/without mousetray - plastic/metal/articulated<br/>File Holder - This shall be made from 1.6mm thick MS CRCA Grade D as per IS: 513-1994. This shall be slid to any convenient location along the groove in the horizontal extrusion. File holder shall be coated with min 45-micron thickness of epoxy powder coating.<br/>Mobile Holder - This shall be fabricated with blank 195.1L x 154.5W (IS: 513-1994, 0.8mm</p> | Nos | 26 | 20307.94 | 528006.44 |
|-----|--|-----|----|----------|-----------|





|     |   |     |   |           |           |
|-----|---|-----|---|-----------|-----------|
|     | <p>CRMS) and shall be coated with minimum 45-micron thickness of epoxy powder coating. Overall size of the mobile holder shall be 137.6W x 86.6D x 96.3H.</p> <p>Pen stand - Front of this 155.1L x 119.1W shall be spot welded with pen stand back 127.8L x 80.0W (IS: 513-1994, 0.8mm CRMS) at bottom side and CO2 shall be welded at two sides and shall be coated with min 45-micron thickness of epoxy powder coating. Overall size of the pen stand shall be 84.9W x 46.5D x 103.8H.</p> <p>Name Plate - This shall be made up of name plate front and back of 0.8mm thick M.S. CRCA Grade D as per IS: 513-1994 with spot welded together. It shall be bent at top and bottom edges to create the cavity to slide paper. Name plate shall be slid to any convenient location along the groove in the horizontal extrusion. It shall be coated with min. 45-micron thickness of epoxy powder coating.</p> |     |   |           |           |
| 270 | <p>CUSTOM MADE/MODULAR FURNITURE<br/>All Furniture and Assembly should comply with the standards and certifications of the<br/>(A) The Business and Institutional Furniture Manufacturers Association (BIFMA)<br/>(B) GREENGUARD Certification for Low Emitting Products and Materials</p> <p>Compactors</p> <p>Providing and installing compactors with all fixtures, fittings, hinges, handles, ball catches and locks, Shelf, mechanical assisted drive arrangement, double/single faced mechanical unit, single faced fixed unit, MS shutter, with rust preventive treatment/powder coated finish etc complete as per drawing.as directed.</p> <p>Double faced Mechanical Driven Unit -<br/>1830X762X2200mm = 7nos<br/>Single Faced Mechanical Driven Unit -<br/>1830X400X2200mm = 1nos<br/>Single Faced Fixed Unit -<br/>1830X330X2200mm = 1nos</p>  | Nos | 1 | 302626.00 | 302626.00 |
| 271 | <p>CUSTOM MADE/MODULAR FURNITURE<br/>All Furniture and Assembly should comply with the standards and certifications of the<br/>(A) The Business and Institutional Furniture Manufacturers Association (BIFMA)<br/>(B) GREENGUARD Certification for Low Emitting Products and Materials</p> <p>Compactors</p> <p>Providing and installing compactors with all fixtures, fittings, hinges, handles, ball catches and locks, Shelf, mechanical assisted drive arrangement, double/single faced mechanical unit, single faced fixed unit, MS shutter, with rust preventive treatment/powder coated finish etc complete as per drawing.as directed.</p> <p>Double faced Mechanical Driven Unit -<br/>1175X762X2200mm = 4nos<br/>Single Faced Mechanical Driven Unit -<br/>1175X400X2200mm = 1nos<br/>Single Faced Fixed Unit -<br/>1175X400X2200mm = 1nos</p>  | Nos | 1 | 142008.00 | 142008.00 |



|     |  |     |    |          |           |
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| 272 | <p>CUSTOM MADE/MODULAR FURNITURE<br/>All Furniture and Assembly should comply with the standards and certifications of the<br/>(A) The Business and Institutional Furniture Manufacturers Association (BIFMA)<br/>(B) GREENGUARD Certification for Low Emitting Products and Materials</p> <p>Chairs</p> <p>Supplying and fixing chairs with height adjustable armrest with side swivel, chrome legs with Nylon castor, adjustable lumber support, Hydraulic adjustment height, tilt adjustment and tilt locking, adjustable thigh support, adjustable headrest with coat hanger arrangement, sliding seat with 12mm thick plywood base with leatherite/fabric and moulded PU foam infill etc. complete as per approved by Architect. (CH-1-Main GM Chairs)</p>                            | Nos | 1  | 13920.37 | 13920.37  |
| 273 | <p>CUSTOM MADE/MODULAR FURNITURE<br/>All Furniture and Assembly should comply with the standards and certifications of the<br/>(A) The Business and Institutional Furniture Manufacturers Association (BIFMA)<br/>(B) GREENGUARD Certification for Low Emitting Products and Materials</p> <p>Chairs</p> <p>Supplying and fixing chairs with height adjustable armrest with side swivel, chrome legs with Nylon castor, adjustable lumber support, Hydraulic adjustment height, tilt adjustment and tilt locking, adjustable thigh support, adjustable headrest, sliding seat with 12mm thick plywood base with leatherite/fabric and moulded PU foam infill etc. complete as per approved by Architect. (CH-2- Main GM Visitors, AGM, DGM, CM, GM, Conference, Interview room Chairs)</p> | Nos | 68 | 13038.27 | 886602.36 |
| 274 | <p>CUSTOM MADE/MODULAR FURNITURE<br/>All Furniture and Assembly should comply with the standards and certifications of the<br/>(A) The Business and Institutional Furniture Manufacturers Association (BIFMA)<br/>(B) GREENGUARD Certification for Low Emitting Products and Materials</p> <p>Chairs</p> <p>Supplying and fixing chairs with height adjustable armrest with side swivel, chrome legs with Nylon castor, adjustable lumber support, Hydraulic adjustment height, tilt adjustment and tilt locking, thigh support, sliding seat with 12mm thick plywood base with leatherite/fabric and moulded PU foam infill etc. complete as per approved by Architect. (CH-3-GM Visitors, AGM Visitors, DGM Visitors, CM Visitors, Staff Chairs)</p>                                     | Nos | 68 | 8352.59  | 567976.12 |
| 275 | <p>CUSTOM MADE/MODULAR FURNITURE<br/>All Furniture and Assembly should comply with the standards and certifications of the<br/>(A) The Business and Institutional Furniture Manufacturers Association (BIFMA)<br/>(B) GREENGUARD Certification for Low Emitting Products and Materials</p> <p>Supplying and fixing Two seater wooden sofa set of size 1790X770X490/740mm high with elastic belt in seat &amp; back, Steel legs, PU foam of 32 density in seat &amp; back, PU leather with approved colour etc. complete as per drawing. (Make - Pitroda Furniture/Burosys/Meraj Marketing)</p>   | Nos | 3  | 18250.00 | 54750.00  |



|     |   |                                  |   |         |             |
|-----|---|----------------------------------|---|---------|-------------|
| 276 | CUSTOM MADE/MODULAR FURNITURE<br>All Furniture and Assembly should comply with the standards and certifications of the<br>(A) The Business and Institutional Furniture Manufacturers Association (BIFMA)<br>(B) GREENGUARD Certification for Low Emitting Products and Materials<br>Providing and fixing 600mm dia. & 600mm high Side table with SS Base & frame with 10mm thick toughened glass etc. complete. | Nos                              | 2 | 8650.00 | 17300.00    |
|     |   | Total Amount(Rs)                 |   |         | 19577195.00 |
|     |   | Add Applicable GST@ 18%          |   |         |             |
|     |   | Grand Total Amount Including GST |   |         |             |

**Enclosure-9****Creation of New Interior facilities for HR & CP Department at 2nd floor, Mazdock House, North Yard, MDL.**

Tender no: 1900000043

| SR.N                            | DRAWING . NO               | DRAWINGS   |
|---------------------------------|----------------------------|--|
| <b>INTERIOR &amp; FURNITURE</b> |                            |  |
| 1                               | WD-0-201                   | GENERAL ARRANGEMENT PLAN-SECOND FLOOR              |
| 2                               | WD-0-202                   | LINE OUT AND PARTITION TYPE PLAN                   |
| 3                               | WD-0-203                   | FLOORING PLAN-SECOND FLOOR                         |
| 4                               | WD-0-204                   | REFLECTED CEILING PLAN-SECOND FLOOR                |
| 5                               | WD-0-001                   | DOOR SCHEDULE & DETAILS - SHEET 01/02              |
| 6                               | WD-0-002                   | DOOR SCHEDULE & DETAILS - SHEET 02/02              |
| 7                               | WD-0-003                   | PARTITION DETAILS - SHEET 01/02                    |
| 8                               | WD-0-004                   | PARTITION DETAILS - SHEET 02/02                    |
| 9                               | WD-R0-020                  | INTERVIEW TABLE FURNITURE DETAILS SHEET 01/05      |
| 10                              | WD-R0-021                  | AGM CABIN TABLE FURNITURE DETAILS - SHEET 02/05    |
| 11                              | WD-R0-022                  | CONFERENCE ROOM TABLE SHEET 03/05                  |
| 12                              | WD-R0-023                  | CONFERENCE TABLE FURNITURE DETAILS SHEET 04/05     |
| 13                              | WD-R0-024                  | MEETING ROOM 03 TABLE SHEET 05/05                  |
| <b>ELECTRICAL</b>               |                            |  |
| 14                              | INI-MDL-2F-EL-AC-PWR-01    | 2ND FLOOR PLAN AC POWER LAYOUT                     |
| 15                              | INI-MDL-2F-EL-LTG-01       | 2ND FLOOR PLAN LIGHTING LAYOUT                     |
| 16                              | INI-MDL-2F-EL-PWR-01       | 2ND FLOOR PLAN SMALL POWER LAYOUT                  |
| 17                              | INI-MDL-2F-EL-RAC-01       | 2ND FLOOR PLAN RACEWAY ROUTING LAYOUT              |
| 18                              | INI-MDL-2F-ELV-CCTV&ACS-01 | 2ND FLOOR PLAN CCTV & ACCESS CONTROL SYSTEM LAYOUT |
| 19                              | INI-MDL-2F-ELV-FAS-01      | 2ND FLOOR PLAN FIRE ALARM SYSTEM LAYOUT            |
| 20                              | INI-MDL-2F-ELV-PAS-01      | 2ND FLOOR PLAN PUBLIC ADDRESS SYSTEM LAYOUT        |
| 21                              | INI-MDL-2F-ELV-ROD-01      | 2ND FLOOR PLAN RODENT LAYOUT                       |
| <b>PLUMBING</b>                 |                            |  |
| 22                              | INI-MD-MDL-2ND FLOOR-PL-01 | PLUMBING LAYOUT FOR 2ND FLOOR                      |

**Enclosure-11****PARTICULARS OF EXPERIENCE IN SIMILAR PROJECTS**

The Additional General Manager/HOD(TS),  
 Technical services Department,  
 1<sup>st</sup> Floor, Alcock Yard,  
 Mazagon Dock Shipbuilders Limited,  
 Dock Yard Road,  
 Mumbai - 400010, INDIA

Sir,

**Sub: Creation of New Interior facilities for HR & CP Department at 2nd floor, Mazdock House, North Yard, MDL.**

**Ref: MDL Tender No.1900000043**

With reference to the above and after having read the terms & conditions in the Tender Enquiry, we wish to submit our bid for consideration of pre-qualification under Clause 5.1.1/5.1.2/5.1.3 (*strike out whichever is not applicable*). The details of similar projects as stipulated in the tender enquiry form and completed satisfactorily by us are as under:

| Sl | Name of Project | Name of Client | Scope of Work | Completed Project Cost | Start Date | Completion Date |
|----|-----------------|----------------|---------------|------------------------|------------|-----------------|
|    |                 |                |               |                        |            |                 |
|    |                 |                |               |                        |            |                 |
|    |                 |                |               |                        |            |                 |
|    |                 |                |               |                        |            |                 |

10. The following documents in support of the above similar projects are enclosed in our techno-commercial bid:

- 10.1. Copy of Work Order/Contract Agreement indicating contract amount, Project/Work value, Scope of Work & other details with signature of Both Parties.
- 10.2. Work Completion Certificates issued by the Client(s) indicating proper reference of Contract Agreement & Date of Completion.
- 10.3. Any other document (*please specify*)

11. We further agree to produce originals of the documents submitted in respect of the similar projects detailed above for verification by MDL as and when called for.

Signature of Bidder:

Name and Address:

Place:

Date:

Official Seal

**Enclosure-12****Financial Information of Bidder***(To be typed on Bidders Letterhead & submitted)*

| Description                                      | FY 2014-15 | FY 2015-16 | FY 2016-17 | Average Annual Turnover ₹(in Cr) |
|--|------------|------------|------------|----------------------------------|
|  | ₹(in Cr)   | ₹(in Cr)   | ₹(in Cr)   |                                  |
|  | X          | Y          | Z          | <b>(A)</b><br>=(X+Y+Z)/3         |
| Gross Annual Turnover of Construction Works Only |            |            |            |                                  |

**Note: The figures for Gross Annual Turnover filled in by the bidder should be as per the audited Balance Sheets and Profit & Loss Account for the relevant Financial Year.**

\_\_\_\_\_  
Signature of Chartered Accountant  
with Seal

\_\_\_\_\_  
Signature and Seal of the Bidder

**Enclosure-13****Details of Existing Commitments & Ongoing Works***(To be typed on Bidders Letterhead & submitted)*

| Sr. No. | Name of the Work/Project | Contract Value ₹(in Cr) | Date of start as per PO/Contract | Date of Completion as per PO/Contract | Work Done up to the preceding Month of submission of Bid ₹(in Cr) | Value of existing commitments and ongoing works to be completed (for all the Clients of the Bidder) during the period of completion of work for which bids have been invited (i.e. <b>Balance value of Work</b> ) ₹(in Cr)<br><br><b>(B)</b> |
|---------|--------------------------|-------------------------|----------------------------------|---------------------------------------|---|--|
|         |                          |                         |                                  |                                       |   |  |
|         |                          |                         |                                  |                                       |   |  |
|         |                          |                         |                                  |                                       |   |  |
|         |                          |                         |                                  |                                       |   |  |
|         |                          |                         |                                  |                                       |   |  |
|         |                          |                         |                                  |                                       |   |  |
|         |                          |                         |                                  |                                       |   |  |
|         |                          |                         |                                  |                                       |   |  |
|         |                          |                         |                                  |                                       |   |  |
|         |                          |                         |                                  |                                       |   |  |

**Note: The bidder shall also include the value of all such works which are awarded to bidder but yet not started up to the last day of preceding month of submission of bid.**

**CALCULATION OF WORKING BID CAPACITY**

- (a) **Working Bid Capacity = [A×N×2]-B, where**  
 (b) **A = Average Annual Turnover of the bidder for the last Three Years (ending 31<sup>st</sup> March, 2017) from Construction activities.**  
 (c) **N = Number of years prescribed for completion of work for which bids have been invited = 0.666 (8 Months).**  
 (d) **B = Value of existing commitments and ongoing works to be completed (for all the Clients of the Bidder) during the period of Completion of Work for which bids have been invited.**

**Working Bid Capacity = ₹ \_\_\_\_\_ Crore**

**Note: The bidder should attach the proof for 'A' & 'B' mentioned above.**

\_\_\_\_\_  
Signature and Seal of the Bidder

**Enclosure-14****DECLARATION CERTIFICATE FOR LOCAL CONTENT**

This declaration must form part of all tenders & it contains general information and serves as a declaration form for local content for bidders. (Before completing this declaration, bidders must study the General Conditions, Definitions, Govt Directives applicable in respect of Local Content & prescribed tender conditions).

**1. General Conditions**

1.1. The local content (LC) as a percent must be calculated in accordance with the definition provided at clause 2 of Public Procurement (preference to Make in India) Order 2017.i.e.

“Local content is the amount of value added in India which shall be total value of items procured (excluding net domestic indirect taxes) minus the value of imported content in the items (including all customs duties) as a proportion of the total value in percent.”

1.2. A bid will be disqualified if:

- the bidder fails to achieve the stipulated minimum threshold for local content indicated in tender; and.
- this declaration certificate is not submitted as part of the bid documentation. (This is applicable only for tenders below Rs. 50Lakhs)

**2. Definitions:**

2.1. **“Imported content”** means that portion of the bid price represented by the cost of components, parts or materials which have been or are still to be imported (whether by the supplier or its subcontractors) and whose costs are inclusive of the costs abroad, plus freight and other direct importation costs, such as landing costs, dock duties, import duty, sales duty or other similar tax or duty at the port of entry in India i.e Mumbai in case of MDL;

2.2. **“local content”** means that portion of the bid price which is not included in the imported content, provided that local manufacture does take place;

**3. The stipulated minimum threshold(s) for local content for this bid is/are as follows:**

| <u>Description of services, works or goods</u> | <u>Local Content</u> | <u>Custom Duty</u> |
|--|----------------------|--------------------|
| _____  | _____ %              | _____ %            |
| _____  | _____ %              | _____ %            |
| _____  | _____ %              | _____ %            |

4. Does a bidder seeks benefit of Public Procurement Policy for MSEs –Order 2012. If yes, bidders should not seek benefits against this policy & should categorically seek benefits of only one policy which cannot be modified subsequently. YES / NO

4.1 Does any portion of the services, works or goods offered have any imported content? YES / NO

4.2 If yes, the rate(s) of exchange to be used in this bid to calculate the local content. Indicate the rate(s) of exchange against the appropriate currency in the table below:

| <b>Currency</b> | <b>Rates of exchange</b> |
|-----------------|--------------------------|
| US Dollar       |                          |
| Euro            |                          |
| Others          |                          |





**LOCAL CONTENT DECLARATION BY CHIEF FINANCIAL OFFICER OR OTHER LEGALLY RESPONSIBLE PERSON NOMINATED IN WRITING BY THE CHIEF EXECUTIVE OR SENIOR MEMBER/PERSON WITH MANAGEMENT RESPONSIBILITY (CORPORATION, PARTNERSHIP OR INDIVIDUAL)**

**IN RESPECT OF BID / TENDER No.** .....  
**ISSUED BY:** (Name of Firm):.....

NB: The obligation to complete, duly sign and submit this declaration cannot be transferred to an external authorized representative, auditor or any other third party acting on behalf of the bidder.

I, the undersigned, ..... (full names), do hereby declare, in my capacity as ..... of .....(name of bidder entity), the following:

- (a) The facts contained herein are within my own personal knowledge.
- (b) I have satisfied myself that the goods/services/works to be delivered in terms of the above-specified bid comply with the minimum local content requirements as specified in the tender, and as measured in terms of Public Procurement (preference to Make in India) Order 2017.
- (c) The local content has been calculated using the definition given in clause 2 of Public Procurement (preference to Make in India) Order 2017, the rates of exchange indicated in paragraph 4.1 above and the following figures:

|  |  |
|--|--|
| Bid price, excluding net domestic indirect taxes                   |  |
| Imported content including all custom duties                       |  |
| Stipulated minimum threshold for Local content (paragraph 3 above) |  |
| Local content % , as calculated                                    |  |

NB: If the bid is for more than one product or the product offered has components / raw material / sub assemblies, a schedule of the local content by product or product break-up including applicable custom duties of shall be attached.

(d) I accept that the Procurement Authority / Institution / MDL has the right to request that the local content be verified in terms of the requirements of Public Procurement (preference to Make in India) Order 2017.

(e) I understand that the awarding of the bid is dependent on the accuracy of the information furnished in this application. I also understand that the submission of incorrect data, or data that are not verifiable as described in Public Procurement (preference to Make in India)

Order 2017, may result in the Procurement Authority / Institution / MDL imposing any or all of the remedies as provided for in Clause 9 of the Public Procurement (preference to Make in India) Order 2017.

**SIGNATURE: 1** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**WITNESS No. 1** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**WITNESS No. 2** \_\_\_\_\_ **DATE:** \_\_\_\_\_



**Enclosure-17**

**Format for Covering Note for Submission of Invoice**

The Additional General Manager/HOD,  
Technical Services Department,  
1st Floor, Alcock Yard,  
Mazagon Dock Shipbuilders Limited,  
Dock Yard Road,  
Mumbai - 400010, INDIA

Sir,

**Sub: Creation of New Interior facilities for HR & CP Department at 2nd floor, Mazdock House, North Yard, MDL.**

Ref: MDL Purchase Order No.

With reference to the above, we hereby submit our Invoice for the subject work with Details

1. Our Invoice No..... dtd.....
2. Measurement Sheets duly certified by representative of Technical Services Department and the Consultant.
3. Period of work carried out and billed in this Invoice:..... to .....
4. Contractual Completion Date:
5. Contractor All Risk Policy
  - a. Policy No. & Date:
  - b. Coverage Value of the Policy : .....
  - c. Valid from..... to .....
  - d. Policy Issued by(Name of the Issuing Company): .....
6. Performance Bank Gurantee
  - a. PBG No. & Date:
  - b. Value of the PBG
  - c. Valid from..... to .....
  - d. Extended to (if applicable)
  - e. PBG issued by(Issuing Bank):.....
7. Test Reports
  - a. ....
  - b. ....
  - c. ....
  - d. ....
8. Challans/ Bills of materials
  - a. ....
  - b. ....
  - c. ....
  - d. ....

Signature of the contractor