



Tender no. 1900000027



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 : १९००००००२७

TENDER NO: 1900000027

निविदा जारी दिनांक: ०४ जनवरी १८

TENDER DATE: 04 Jan '18

निविदा देय दिनांक एवं समय: २३ जनवरी १८ दोपहर २.३० बजे

CLOSING DATE & TIME: 23 Jan '18 at 1430Hrs

भाग १ - तकनीकी एवं वाणिज्यिक हिस्सा खोलने (ऑनलाइन) की तिथि एवं समय: २४ जनवरी

१८ दोपहर २.३० बजे से

Online Opening of Part-I (Techno-commercial Bid): 24 Jan'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. Construction of Centre of Excellence at ATS, Alcock Yard MDL Mumbai.

2. कार्य का ब्योरा / SCOPE OF WORK**2.1. Brief scope of Civil work is as under:**

- 2.1.1 Dismantling of PCC, RCC, Brickwork, Plaster, existing false ceiling.
2.1.2 Dismantling of existing doors, window, Earthwork in excavation
2.1.3 Providing & laying Polymer Modified Mortar (PMM)
2.1.4 Providing & applying Inside Plaster, External Plaster
2.1.5 Providing & laying Putty, Primer & Internal Painting & Exterior painting
2.1.6 P & L Vitrified Tiles, Granite for door & window
2.1.7 Providing & Fixing 35mm thick Door shutter, Door closer
2.1.8 Providing & fixing Glazing, Aluminum work for window, partitions
2.1.9 Providing & fixing Particle board, Glass door with frosted film
2.1.10 Providing & Fixing Armstrong Modular False Ceiling
2.1.11 P & L PCC-M-20 grade, P & F Kerbstone
2.1.12 Joint Cutting & sealing with Polysulphide Sealant
2.1.13 P & F Structural steel work
2.1.14 P & F Rolling Shutters, P & F Hilux board
2.1.15 Providing Brick masonry, Gypsum board, ACP
2.1.16 Removing existing corrosion, P & A Rusticide, P & A Rust preventing coating.
2.1.17 P & A Aluminum paint, Synthetic Enamel paint
2.1.18 P & L Polycrete "A"
2.1.19 Providing Vision Panel

2.2. Brief scope of Electrical work is as under:

- 2.2.1. SITC of 120W High bay LED light fixtures inside industrial shed on roof/ columns.
2.2.2. Supply, installation, testing and commissioning of PVC armoured Copper/Aluminium cable for power distribution by providing cable trays of appropriate sizes and necessary iron works.
2.2.3. SITC of TP HRC fuse switch and busbar chamber.
2.2.4. SITC of MCCB Panel with MCCB for Main power supply of work shop.
2.2.5. SITC of MCCB DB with MCCB and MCBs
2.2.6. SITC of MCB Distribution Board for power distribution of Lighting, with proper rating MCB.
2.2.7. SITC of Metra plug/ tetra plug/ tempura plug socket arrangements with required cables in Industrial shed/ welding booths.



- 2.2.8. SITC of Air Circulators on columns of the industrial shed structure with required cabling.
- 2.2.9. SITC of copper earth pits complete with all accessories and excavation.
- 2.2.10. Point Wiring for lighting in classrooms/ office rooms/ changing rooms with modular switches, boards and wires.
- 2.2.11. Supplying and erecting of LED Panel Lights, LED tube lights, ceiling fans, bracket fans etc.
- 2.2.12. Excavation and laying of Hume pipes for laying cables.
- 2.2.13. Fabrication works associated with installation of Panels, bus bars, DBs, lighting fixtures and fans.
- 2.2.14. SITC of Ethernet CAT-6 Cable and Data point.
- 2.2.15. SITC of Telephone Cable with Telephone point

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.

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 **31st March, 2016** for at least **₹27,20,000/-**, 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.
- 4.2.3 CA certified Average Audited Annual financial turnover during the last 3 years ending **31st March, 2016** for at least **₹ 27,20,000/-**, 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.

5. पूर्व 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 ₹२१,८०,०००/- से कम न हो।
Three similar* completed works each costing not less than **₹21,80,000/-**
OR
- 5.1.2 दो समरूप संपन्न कार्य जिसकी लागत ₹२७,३०,०००/- से कम न हो।
Two similar* completed works each costing not less than **₹27,30,000/-**
OR
- 5.1.3 एक समरूप संपन्न कार्य जिसकी लागत ₹४३,६०,०००/- से कम न हो।
One similar* completed work costing not less than **₹43,60,000/-**

*Similar Work	'General Civil works for Buildings / workshops with associated Electrical Works'
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5.2. 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.

Note:

In case the work(s) submitted for technical qualification do not have Electrical work in main order, the bidder may submit documents pertaining to other works having Electrical work of minimum of Rs. 10.00 Lakh.

5.3. 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.

5.4. 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 Apprentice Training School (ATS), Alcock Yard MDL, 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 4224/ 2376 4235 or email: **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 **₹1,10,000/- (Rupees One Lakh Ten Thousand only)** against this tender.

7.2. The EMD can be remitted directly to MDL Bank Account as per details 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

7.3. 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 Bank Guarantee in the prescribed format at **Enclosure-4**. The Bank Guarantee 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** →Vendors→Bills/EMD Status →List of First Class Bank approved by CPC on 23 Feburary 2016. **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.

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

7.6. Bidder shall send the original of the Bank Guarantee towards Earnest Money Deposit (EMD) by Registered Post/Speed Post/Courier so as to reach the designated addressee within **07 Days** from the closing date of the tender during office working hours i.e. up to 1730 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.

7.7. **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.**

7.8. EMD of unsuccessful bidders will be returned after finalization of the tender and shall be interest free.

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

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

7.10.1 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.

7.10.2 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) subject to their submitting the Registration Certificate from the Competent Authority regarding their Micro/Small Industry status in Part-I offer / bid.

8.5. 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.

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 **45 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:

- 10.1.1.1. 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.
- 10.1.1.2. 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.
- 10.1.1.3. 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.
- 10.1.1.4. BLANK Price Bid indicating 'QUOTED / NOT QUOTED' as applicable against each of the listed item but clearly indicating the applicable taxes included in the quote in the prescribed format **as appearing in online Part-I bid.**
- 10.1.1.5. 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.**
- 10.1.1.6. 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.**
- 10.1.1.7. Bidders shall **upload scanned copies** of Audit certified Balance Sheets & Profit/Loss Accounts for the relevant years in Part-I bid.
- 10.1.1.8. 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.
- 10.1.1.9. 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.
- 10.1.1.10. Scanned copy of **GST Registration Certificate & Permanent Account Number (PAN)** duly signed & stamped with company seal shall be **uploaded in online Part-I bid.**
- 10.1.1.11. Bidders not permanently registered with MDL shall comply with the following:
- 10.1.1.11.1. Upload a scanned image of Bidder's company profile duly self attested and stamped with their company seal in online Part-I bid.
- 10.1.1.11.2. Upload a scanned image of Valid Bidder's Shop & Establishment Registration Certificate self attested and stamped with their company seal in online Part-I bid.
- 10.1.1.11.3. 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.

10.1.1.11.4. Upload List of Personnel with their designations, Qualification & Experience duly self attested and stamped with their company seal in online Part-I bid.

10.1.1.11.5. Upload scanned copy of Solvency Certificate duly self attested and stamped with their company seal in online Part-I bid.

10.1.1.12. 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.

10.1.1.13. 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.

10.1.1.14. The scanned image of DD / BG towards Earnest Money Deposit (EMD) / BID BOND as stipulated in TEF clause no. 8 shall be uploaded. The original of the above DD / 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,

1st 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):

- 10.1.2.1 Price Bid as appearing in the format is **to be filled ONLINE ONLY** by the bidder.
- 10.1.2.2 The quantities of individual items in the BOQ are approximate and may vary during execution.
- 10.1.2.3 The estimated rates for various items of Civil and Electrical works in the Bill of Quantities (BOQ) are as appearing online in the Price Bid (Part-II) at Enclosure 8.
- 10.1.2.4 Bidders after considering the estimated rates of individual items for Civil and Electrical works in the BOQ and the total estimated value for each of the section shall quote their percentages above, below or at par the estimated rates for Civil and Electrical works separately.
- 10.1.2.5 The percentages quoted/agreed by the bidder shall be applied to the estimated rates of individual items in the BOQ, rounded off to two decimal places, to arrive at the order value.

11 बोलियों का मुल्यांकन/ EVALUATION OF BIDS:

11.1 The bids shall be evaluated on “all inclusive basis” considering the rates & taxes as quoted by the bidders in the Price Bid (Part-II) and loading parameters, as applicable. In this context please refer sr no 24 clause of Tender Enquiry Form (TEF) for detailed information.

12 निविदाएँ 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 Bidders not submitting Original EMD within the stipulated period of **07 Days** from the closing date of the tender during working hours i.e. up to 1730 hrs, other than those who are exempt from payment of EMD, as specified in the tender.

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

13.2.1 Bidder's failure to submit sufficient or complete details for evaluation of the bids even after given reasonable time by MDL. The overall time allowed shall not exceed 03(Three) weeks.

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.

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

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

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

13.2.9 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.

13.2.10 In case of E-Tenders, the original of the uploaded copy of EMD(DD/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 **02 Months**, from the date of placement of Purchase Order or handing over of site, whichever is later.

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 taxes, 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 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.

17.3 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 Finalisation 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 empowered committee of MDL.

19.1.3 The payment against bills will be made between 15 to 20 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', 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 Performance Bank Gurantee shall be submitted within 07 days after placement of the Purchase Order.

21.3 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.

21.4 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 बीमा / INSURANCE:

22.1 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.

22.2 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.

22.3 The original of policy shall be lodged with MDL.

23 बोलीदाताओं का दायित्व / BIDDER'S OBLIGATION:

23.1 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 → Tenders → Technical Services.

24 कर और शुल्क / TAXES AND DUTIES:

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

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

24.3 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.

24.4 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.

24.5 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.



24.6 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.

24.7 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).

24.8 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.

24.9 The rate sheet enclosed with the tender will indicate the rates to be entered under each head wherever applicable. Bidders must clearly mention the applicable Taxes & Duties. The item-wise rates (i.e Basic+P&F+F&I) quoted in the Rate Sheet should exclude Taxes & Duties. Bidder should indicate GST rates as applicable separately under each of the head in the same Rate sheet, which will be paid extra based on tax invoice to the extent applicable. The GST will be applicable on total basic rate of each item (i.e Basic + P&F + F&I).

24.10 **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.

24.11 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.

24.12 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.

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

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

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

25.1 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.

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

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

25.4 **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.

25.5 **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.

26 मूल्य वरीयता / PRICE PREFERENCE:

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

27 बोलियाँ में संशोधन / MODIFICATION TO THE BIDS:

27.1 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.

28 सार्वजनिक शिकायत कक्ष / PUBLIC GREIVANCE CELL:

28.1 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 **6th Floor, Mazdock House** or send their complaints / grievances to him in writing for redressal. His Telephone No. is **2378 2338/ 2376 2106**

29 वृद्धि / ESCALATION:

29.1 The rates shall remain firm and fixed during the tenure of the contract and no escalation, whatsoever, shall be payable.

30 परिनिर्धारित हर्जाना / LIQUIDATED DAMAGES:

30.1 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.



30.2 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.

30.3 Part Completion and Taking over by MDL: - If before the completion of the whole of the works, any part of the works has been certified by MDL 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.

31 **बाधा / HINDRANCE:**

31.1 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. The Schedule shall list out the major milestones leading to the completion of work as per final delivery date stipulated in the PO/Contract.

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

- 31.2.1 Reasons for the delay vis-à-vis the mutually agreed schedule
- 31.2.2 Delay in inputs (Drawings/ Documents/ Site Clearances/ Services/ Inspection Call)
- 31.2.3 Delay by Inspection Agency/ Customer
- 31.2.4 Delay on account of specialist services
- 31.2.5 Non performance by the Contractor
- 31.2.6 Delinquency by the vendor
- 31.2.7 Force Majeure
- 31.2.8 Any other relevant reason

31.3 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 CMS of Technical Services Department (MDL) authorized Signatory from the Contractor side.

31.4 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.

31.5 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.**

31.6 In case, 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 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.**



32 बोलियों को श्रेणीबद्ध करने हेतु भार लाने का मापदंड / LOADING CRITERIA FOR RANKING OF BIDS:

32.1 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:

32.1.1 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.

32.1.2 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.

32.1.3 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.

32.1.4 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.

33 ठेकेदारों के कर्मचारियों का पुलिस सत्यापन POLICE VERIFICATION OF CONTRACTOR'S EMPLOYEES:

33.1 The successful bidder shall have to obtain Police Verification Report (PVR) of their Employees prior to deployment at 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 **BIDDERS ARE REQUESTED TO NOTE THE SAME. NO RELAXATION SHOULD BE ASKED FOR.**

34 ई-टेंडरिंग के लिये मार्गदर्शन / GUIDANCE FOR E-TENDERING:

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

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

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

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



34.5 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>

34.6 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(C-MP) on telephone +91-22-23763252 & email – sushende@mazdock.com

35 **अनुचित ऑनलाइन भरना / IMPROPER ONLINE FILLING:**

35.1 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.

36 **एमडीएल का अधिकार / MDL's RIGHT:**

36.1 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,**

Add. General Manager (TS)
Technical Services Department

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-6	-	Extract of Official Secrets Act, 1923
7.	Enclosure-7		Hindrance Register Format
8.	Enclosure-8	-	Price Bid (Part-II) - to be submitted online
9.	Enclosure-9	-	Tender Drawings
10.	Enclosure-10		Annexure-I (Technical Specification)- attached separately
11.	Enclosure-11	-	Standard Terms & Conditions (STACS) – attached separately
12.	Enclosure-12	-	General Terms & Conditions (GT&C) – attached separately
13.	Statutory requirements & Safety clause	-	To be downloaded from our website www.mazdock.com

**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.

Sir,

Sub: Construction of Centre of Excellence at ATS, AY MDL Mumbai.**Ref: MDL Tender Enquiry No. 190000027 dated 04 Jan'18**

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 **45 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 HOLDER	:	MAZAGON DOCK SHIPBUILDERS LTD
BANK AND BRANCH	:	STATE BANK OF INDIA, MAZAGON BRANCH, MUMBAI
BRANCH CODE	:	9054
BANK ACCOUNT NO	:	10005255246
IFSC CODE	:	SBIN0009054
MICR/NECS CODE	:	400002120
INCOME TAX PAN NO	:	AAACM8029J

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)

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

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 TELEPHONE/FAX	:	
5.	E-MAIL ADDRESS	:	
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 of value ₹100/-. However, the value of stamp paper to be confirmed from Legal Department, MDL.)

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 of value ₹100/- . However, the value of stamp paper to be confirmed from Legal Department, MDL.)

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 include 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-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

**Enclosure-8****PRICE BID (PART-II)
BILL OF QUANTITIES
(To be submitted online)****Sub: Construction of Centre of Excellence at ATS, AY MDL Mumbai.
Ref: MDL Tender No. 190000027 dated 04 Jan'18**

Sr. No.	Description	Unit	Qty	Rate	Amount
A. Civil Works					
1	Earth work in excavation by Mechanical means (Hydraulic excavator) / Manual means up to 1.5m depth including disposal of excavated earth, lead upto 50 m and disposed earth to be levelled and neatly dressed.- All kinds of soil	cum	2.32	180.63	419.06
2	Demolishing carefully brick work/ precast concrete block/Siporex block of any thickness including tile work, plaster etc as directed & disposal of debris / outside MDL premises to municipal dumping ground etc. complete as directed.	Cum	4.33	1743.86	7550.91
3	Dismantling carefully PCC Work & carting away debris outside MDL premises to municipal dumping ground complete as directed at any height / Location etc.	Cum	1.05	1965.14	2063.40
4	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead	No	4.00	162.50	650.00
5	Removing and lowering down false ceiling from roof carefully and stacking the serviceable material within MDL premises and disposal of unserviceable material outside MDL premises etc complete as directed.	Sqm	99.32	25.49	2531.67
6	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	Sqm	637.56	15.49	9875.80
7	Dismantling carefully damaged portion of cement plaster of any finish from the wall, ceiling, beams etc & raking out the joints to a suitable depth up to 20mm & carting away debris etc outside MDL premises to Municipal Dumping ground. complete as directed at any height / Location	Sqm	32.66	35.80	1169.23



8	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 approved make 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)	Kg	1050.00	36.63	38461.50
9	Providing and applying plastering on RCC/brick masonry work with 12 mm thick cement mortar (1:4) including curing etc; all complete as directed.	Sqm	68.35	429.59	29362.48
10	Providing and applying 20 mm thick waterproof cement plaster(1:4) in two coats for external surface mixed with approved waterproofing material as per manufacturer specification, curing etc; upto 10m height etc. all complete as directed.	Sqm	23.81	288.13	6860.38
11	Providing and applying Birla White Cement based Putty in two coats as per manufacturer's specification in approved shade and colour to existing rough surfaces constructed in Siporex blocks walls and ceiling including scraping the existing paint etc. complete.	Sqm	714.83	121.68	86980.51
12	Wall painting with Plastic Emulsion Paint of approved brand and manufacture to give even shade one or more coat on old work including applying one coat of water thinable cement primer of approved brand and manufacture on wall surface.	Sqm	714.83	94.72	67708.70
13	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade New work (Two or more coats applied @ 1.43 ltr/ 10 sqm. over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm).	Sqm	277.02	138.82	38455.92
14	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, dado over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), including grouting the joint with white cement & matching pigments etc. complete. Size of Tiles 600x 600 (Basic rate of tile = Rs 600)	Sqm	171.06	1628.01	278487.39



15	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 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-Granite of any colour and shade Area of slab up to 0.5 Sqm (Basic rate of material = Rs 1750)	Sqm	7.56	4807.09	36341.60
16	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 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-Granite of any colour and shade Area of slab over 0.5 Sqm (Basic rate of material = Rs 1800)	Sqm	7.50	4464.84	33486.30
17	Providing and fixing 35mm thick made laminated veneer lumber door shutter confirming to IS 14616 and TADS 15: 2001 (Part B) including ISI marked black enameled M.S. butt hinges with necessary screws as per direction of Engineer-in charge and panelling with panels of : - 12 mm thick prelaminated particle board (decorative lamination on both sides) grade-1, medium density flat pressed, three layer particle board FPT - I or graded wood particle board FPT-I, confirming to IS :3087 bonded with BWP type synthetic resin adhesive as per IS: 848 and pre-laminated confirming to IS : 12823 Grade 1, Type -II marked:	Sqm	24.15	3467.77	83746.65
18	Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles with necessary screws etc. complete (best make of approved quality).	No	11.00	798.01	8778.11
19	Providing and fixing bright finished brass night latch including necessary screws etc. complete (best make of approved quality).	No	11.00	1139.48	12534.28
20	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm) with necessary accessories and screws etc. complete.	No	11.00	595.80	6553.80



21	Providing and fixing glazing in wooden/aluminium door, window, ventilator shutters and partitions etc with PVC/ neoprene gasket etc complete as per the architectural drawings and the directions of engineer in charge (Cost of aluminium snap beading shall be paid in basic item) Make of glass Saint Gobin, ASAI, Modi Float or equivalent With float glass panes of 5.5mm thickness (weight not less than 13.75 kg/ sqm)	Sqm	8.16	1439.78	11748.60
22	Providing and fixing 12mm thick prelaminated three layer medium density (exterior grade) particle board Grade I, Type II conforming to IS 12823 bonded with phenol formaldehyde synthetic resin, of approved brand and manufacture in panelling fixed in aluminium doors, windows shutters and partition frames with CP brass/ stainless steel screws etc complete as per drawings and directions of engineer in Charge :- Prelaminated particle board with decorative laminbation on both sides	Sqm	126.92	1242.81	157737.45
23	Providing & Fixing 12mm thk. toughened clear glass partition fixed with heavy duty Stainless Steel Point fittings including diamond edge polishing & drilling of holes etc. Complete.	Sqm	3.90	5167.06	20151.53
24	Providing and fixing double action hydraulic floor spring of approved brand and manufacture IS 6315 marked for doors including the cost of cutting floors as required, embedding in floors and cover plates with brass pivot and singoe piece MS sheet outer box with slide plate etc complete as per the directions of Engineer in Charge (Basic Cost of Double Action Floor Spring wih Stainless Steel cover plate is Rs. 2716 (DSR-2007,7394/pg335) and with brass cover plate is Rs. 3007(DSR-2007, 7396/pg 335) With Stainless steel cover plate min. 1.25 mm thick	No	2.00	3195.98	6391.96
25	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	Sqm	3.90	748.30	2918.37



26	Providing and fixing anodised aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular and other sections of approved make conforming to IS 733 and IS 1285, Anodised transparent or dyed to required shade according to IS 1868. (Minimum anodic coating of grade AC 15), fixed with rawl plugs and screws or with fixing clips, or with expansion hold fastners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/ neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle,. Aluminium snap beading for glazing/ panelling, CP brass/ stainless steel screws, all complete as per drawings and the directions of Engineer in Charge (Glazing and panelling to be paid for seperatly)	Kg	945.21	509.38	481471.07
27	Modular False Ceiling : Armstrong Modular ceiling grid(hot dipped galvanized steel section) will have 595 x 595 mm x 15mm fine fissured tiles(lay-in type) in true horizontal level using a 15mm T bar section suspended from the ceiling slab using 2 mm wire at every 1200mm interval. And will have fire rating of 60 minutes as per BS 476/23 of 1987, Noise reduction Coefficient (NRC) of 0.50-0.60, to resist temperature and humidity conditions up to 40 degree (104deg. F) and humidity of 99% RH.	Sqm	164.91	1662.55	274171.12
28	Providing & Applying two coats of synthetic enamel paint on new work of approved brand & manufacture and shade to give uniform finish with the help of brush, Rollers etc . complete as directed.	Sqm	962.30	112.43	108191.39
29	Providing & laying Plain Cement concrete (PCC-Cast in situ) including curing but excluding the cost of centering & shuttering etc;complete as directed.	Cum	0.55	9845.85	5415.22
30	Construction Joint cutting : Cutting of construction and dummy joints,groove 10 mm wide and 60 mm deep of Concrete surface by mechanical means within 8 hrs. of casting of slab as directed.	Rmt	95.00	49.31	4684.45
31	Providing and sealing with Polysulphide sealant in joint of size 25mm x 25mm so as to make the joint completely water tight etc. complete as directed.	Rmt	95.00	1190.88	113133.60
32	Providing and fixing Structural steel work riveted, bolted or welded in built up sections, trusses and framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer complete as directed by engineer.	Kg	1000.00	96.94	96940.00
33	Supplying and fixing in position rolling shutters of guage & of approved make, made of required size MS laths interlocked together through their entire length and jointed together at the end by end locks mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking	Sqm	11.52	4359.66	50223.28



	with push and pull operation complete including the cost of providing and fixing necessary 27.5 cm long wire springs grade No 2 and MS top cover of required thickness for rolling shutters-- 80*1.25mm M.S.laths with 1.25mm thick top cover including providing and fixing of ball bearing for roller shutters and including providing mechanical device chain and crank operation for operating rolling shutters				
34	Providing and fixing 66mm thick metal framed partition comprising of a 48mm stud of 0.55mm thick and having two unequal flanges of 48 and 50mm, each placed at 610 mm c/c in 50mm floor and ceiling channel with two equal flanges of 32mm each fixed to floor and ceiling at 600mm centre, with the help of nylon sleeves and wood screws including fixing of 8mm thk Calcium Silicate Board (HILUX) by 25 mm long self drilling and tapping screws having phillips head with under head cutter, to the studs and channels on both sides of the frame work. The board's joint are to be staggered to avoid through passage.The joints of the facing boards to be finished seamless with specially formulated jointing compound and 48 mm wide self-adhesive fibre tape.	Sqm	100.54	4714.03	473948.58
35	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	Cum	5.79	7188.51	41621.47
36	Providing Brick masonry with conventional / IS type bricks one brick thick including scaffolding, watterring, racking out joints etc. complete In superstructure upto floor V level in CM 1:4	Sqm	3.65	981.19	3581.34
37	Pr.Brick masonry with conventional / IS type bricks of greater than one brick thickness including scaffolding, watterring, racking out joints etc. complete	Cum	3.15	8319.78	26207.31
38	Providing & laying Polycrete "A" of M/s. Sunanda or equivalent approved make using 12.5%of water by weight of polycrete mix over a bond coat of approved make in the ratio of 1 polymer : 1cement, curing etc;all complete at any location / Height	Kg	750.00	29.58	22185.00
39	Providing and applying two coats of Aluminium paint of approved brand & manufacture to give an even shade to structural steel including cleaning, wire brushing and surface preparation etc; all complete.	Sqm	540.56	98.02	52985.69



40	Providing and fixing Aluminium Composite Panels (ACP) made out of 4 mm thick (0.25+3.5+0.25) with LDPE core coloured, matt finished panels on both sides (total thickness of the panel shall be 4mm) of approved shade ACP Z-Green fixed with aluminium frame work 40mm x 20mm (Jindal section no. 14019/88) or equivalent approved including making openings for lighting fixtures, sealing joints with weather sealant, M.S. cleat, fastener, nut bolt with scaffolding etc. complete.	Sqm	35.00	4124.78	144367.30
41	Removing existing corrosion in MS/torsteel bars by means of suitable light tapping wire brushing and applying rusticide rust converter of "Feovert" of Krishna conchem or equivalent approved make etc complete	Litre	155.25	212.72	33024.78
42	Providing and applying two coats of Rust preventive coating of IPNET of Krishna Conchem or equivalent approved make after cleaning the existing surface from dust/ loose particles by applying air water under pressure etc complete as directed	Litre	186.30	504.96	94074.05
43	Panelling: Providing & fixing Gypsum Board on partition and wall with GI screws at every 750mm c/c in vertical and horizontal directions to proper line, level including joints to be finished seamless with 48 mm wide self adhesive fibre tape.	Sqm	15.00	471.39	7070.85
44	Extra for providing vision panel not exceeding 0.1 Sq.M. in all type of flush doors (cost of glass excluded) (Overall area of door shutter to be measured) Rectangular or Square	Sqm	18.90	233.18	4407.10
				A. Total for Civil works:	2988669.19
B. Electrical Work:					
45	Providing & erecting Floor / Wall mounting, MCCB Panel board suitable for Four Pole Incoming 400A, 2 ways Four pole outgoing on provided iron frame, as per Specification No SW-SWR/MCCBPB. (Excluding MCCB'S)	AU	1	53770.97	53770.97
46	Supplying, erecting & terminating PVC armoured cable 3½core 400 sq mm aluminium conductor with continuous 12.97 sq mm (8 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	M	300	2135.65	640695
47	Providing & erecting 3 Pole MCCB of 315/400A, 415V capacity with S.C. rating 36 kA (Ics=100% of Icu), thermal and magnetic setting with provided leads on iron/G.I. frame as per specification No. SW-SWR/MCCB	AU	2	20049.06	40098.12
48	Providing & erecting 3 Pole MCCB upto 100A, 415V capacity with S.C. rating 25 kA (Ics=100% of Icu), thermal setting with provided leads on iron /G.I. frame as per specification No. SW-SWR/MCCB	AU	1	5554.4	5554.4



49	Supplying & erecting triple pole and neutral distribution board (TPNDB) surface/ flush mounted SP / TP of total 24 ways on iron / G.I. frame/wooden board. (Vertical Busbar type) as per specification No. SWSWR/ MCBDB	AU	1	6271.23	6271.23
50	Supplying, erecting & marking TPMCB 40A to 63A in provided distribution board as per specification No. SW-SWR/MCB	AU	1	1234.31	1234.31
51	Supplying, erecting & marking SPMCB 6A to 32A, C-series (for motor/power) in provided distribution board as per specification No. SWSWR/ MCB	AU	15	202.54	3038.1
52	Supplying & erecting triple pole and neutral distribution board (TPNDB) surface/ flush mounted SP /TP MCBs of total 12 ways, on iron / G.I. frame/wooden board.(Vertical Busbar type) as per specification No. SWSWR/ MCBDB	AU	1	4740.01	4740.01
53	Supplying and erecting Bus bar chamber triple pole with neutral with four Copper bars, 500V, 100A complete as per specification no. CP-BB	AU	1	7994.39	7994.39
54	Supplying, erecting & terminating PVC armoured cable 4 core 35 sq mm copper conductor with continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/CU	m	35	2069.91	72446.85
55	Supplying, erecting & marking TPMCB 40A to 63A in provided distribution board as per specification No. SW-SWR/MCB	AU	1	1234.31	1234.31
56	Supplying, erecting & marking SPMCB 6A to 32A, C-series (for motor/power) in provided distribution board as per specification No. SWSWR/ MCB	AU	7	202.54	1417.78
57	Supplying, erecting & marking SPMCB 40A to 63A C- series (for motor/power) in provided distribution board as per specification No. SWSWR/ MCB	AU	3	407.2	1221.6
58	Supplying and erecting Bus bar chamber triple pole with neutral with four aluminium bars, 500V 300A complete as per specification no. CP-BB	AU	1	5842.83	5842.83
59	Supplying & erecting triple pole and neutral distribution board (TPNDB) with door surface/ flush mounted suitable for 3 Pole MCCB as Incommer & outgoing SP MCB (24 Poles) or TP MCB of 8 ways (24 Poles) , on iron/ G.I. frame. (Vertical Busbar type) as per specification No. SW-SWR/MCBDB1	AU	2	8392.04	16784.08



60	Providing & erecting 3 Pole MCCB of 200A,415V capacity with S.C. rating 25 kA (Ics=100% of Icu) thermal and magnetic setting with provided leads on iron /G.I. frame as per specification no. SW-SWR/MCCB	AU	2	11108.79	22217.58
61	Supplying, erecting & marking TPMCB 6 A to 32A in provided distribution board as per specification No. SW-SWR/MCB	AU	8	935.28	7482.24
62	Supplying, erecting & marking TPMCB 40A to 63A in provided distribution board as per specification No. SW-SWR/MCB	AU	8	1234.31	9874.48
63	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.	AU	8	471.88	3775.04
64	Supplying, erecting & terminating PVC armoured cable 4 core 16 sq mm copper conductor with continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/CU	M	300	936.34	280902
65	Supplying, erecting & marking FPMCB 40A to 63A in provided distribution board as per specification No. SW-SWR/MCB	AU	8	1655.29	13242.32
66	Supplying & erecting original 1.25 mm CRCA sheet metal enclosures with 30 A, 3 pin plug & earth socket and 30 A 3 pin plug top with 30 A. triple pole MCB complete erected on angle iron/ G.I. frame.	AU	8	2224.73	17797.84
67	Supplying, erecting & terminating PVC armoured cable 4 core 6 sq mm copper conductor continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/CU	mtr	300	441.13	132339
68	Supplying & erecting original 1.25 mm CRCA sheet metal enclosures with 20A. 2 pin plug & earth socket and 20A. 3 pin plug top with 20A/30A single pole MCB complete erected on angle iron/ G.I. frame.	AU	15	1020.11	15301.65
69	Supplying, erecting & terminating PVC armoured cable 3 core 4 sq mm copper conductor continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/CU	M	400	266.16	106464
70	Supplying and erecting single pole and neutral distribution board (SPNDB) surface/flush mounted with 2 ways for incoming and 10 ways for outgoing SP MCB's on iron/ G.I. frame/wooden board as per specification No.SW-SWR/MCBDB	AU	3	1258.7	3776.1



71	Supplying, fixing and commissioning RCBO (Residual Current Breaker with Overcurrent Protection), type AC with 30/100/300 mA sensitivity and having capacity of 32A/40A 2 Pole 1 phase as per specification SWRCCB/ RCBO	AU	3	4352.96	13058.88
72	Supplying, erecting & terminating PVC armoured cable 3 core 10 sq mm copper conductor continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/CU	m	70	517.48	36223.6
73	Supplying, erecting & marking SPMCB 6A to 32A, B- series (for lighting) in provided distribution board as per specification No. SWSWR/ MCB	AU	10	201.48	2014.8
74	Supplying, erecting & marking SPMCB 6A to 32A, C-series (for motor/power) in provided distribution board as per specification No. SWSWR/ MCB	AU	20	202.54	4050.8
75	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.	AU	9	471.88	4246.92
76	Supplying, erecting & marking SPMCB 6A to 32A, C-series (for motor/power) in provided distribution board as per specification No. SWSWR/ MCB	AU	9	202.54	1822.86
77	Supplying and erecting blanking plate of suitable size on MCB DB	AU	9	16.97	152.73
78	Providing and erecting air circulator 600 mm. sweep oscillating type, wall mounting 1440 RPM without speed regulator, overheat protection unit, totally enclosed, flame proof motor suitable for 230/250 Volts single phase, 50 cycles A.C. supply, core lead wire and with moisture proof treatment to winding and with 'E' class insulation and marking Sr. No. and date of erection.	AU	9	6605.26	59447.34
79	Supplying and erecting highbay LED fitting IP 65 with lamp 120W, PF >0.95 of approved make and duly connecting complete as per specification no. FG-ODF/LED	AU	14	14744.92	206428.88
80	Supplying and erecting square shaped CRCA /die-cast aluminium powder coated housing LED Panel light (slim edge-lit) 600X600mm suitable for 36 W-40W with provision for plane front frame with translucent cover fixed to the housing complete.	AU	40	3982.88	159315.2
81	Providing and erecting bracket fan 400 mm. sweep A. C. 230 volts 50 cycles 1350 R.P.M. Oscillating type, plastic or metal blades chrome plated guard with regulator and moisture proof treatment to winding and with 'E' class	AU	21	2289.41	48077.61



	insulation and marking Sr. No. and date of erection				
82	Supplying & erecting T8 LED 20W tube light fitting (4 feet) with aluminium housing, heat sink, integrated HF electronic driver complete(including lamp).	AU	3	1044.5	3133.5
83	Supplying and erecting LED square / circular 16 to 20W downlighter having pressure diecast aluminium housing, opal translucent cover, mounting arrangement with board for surface type or spring loaded mounting clips for flush type complete.	AU	6	1519.56	9117.36
84	Supplying, erecting & terminating PVC armoured cable 2 core 2.5 sq mm copper conductor continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/CU	M	300	172.85	51855
85	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, moduler type switch, earthing and required accessories as per specification No: WG-PW/CW	Points	50	716.83	35841.5
86	Supplying & erecting mains with 2x2.5 sq.mm.and earth wire 1.5 sq.mm FR PVC copper wire, in rigid PVC conduit min. 20mm dia, as per specification No: WG-MA/PC, para no. 1.4.1	M	400	154.82	61928
87	Wiring for plug on board with Switch socket with copper wiring and earthing as per specification No:WG-PW/SW	No	8	117.7	941.6
88	Point wiring for independent plug, concealed type in min 20 mm PVC conduit with 1.5 sq.mm (2+1E) FR grade copper wires,moduler type switch and socket, earthing and required accessories as per specification No WGPW/SW	No	33	875.89	28904.37
89	Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 3 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	38	289.49	11000.62
90	Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 6 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	12	434.77	5217.24



91	Supplying and erecting modular type buzzer 220 / 250V ISI mark approved make duly erected on provided plate and box with wiring connections complete.	AU	1	121.95	121.95
92	Supplying & laying Rigid PVC conduit 20 mm Dia. with necessary accessories in RCC work/false ceiling/false flooring as per specification No. WG-MA/CC, para no. 1.2.1	M	100	100.74	10074
93	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.	M	50	107.1	5355
94	Supplying and erecting PVC trunking (PVC casing-n-capping) of size 20 mm with accessories on wall/ceiling as per specification No: WG-MA/CON, para no. 1.1.2	M	50	42.42	2121
95	Supplying and erecting modular type 3 pin 6A multi socket with safety shutter ISI mark approved make duly erected on provided plate and box with wiring connections complete.	AU	33	123.01	4059.33
96	Supplying and erecting modular type switch 6A/ 10A ISI mark approved make duly erected on provided plate and box with wiring connections complete.	AU	33	94.38	3114.54
97	Supplying and erecting modular type switch 16A ISI mark approved make duly erected on provided plate and box with wiring connections complete.	AU	3	132.55	397.65
98	Supplying and erecting modular type 3 pin 6/16A multi socket with safety shutter ISI mark approved make duly erected on provided plate and box with wiring connections complete.	AU	3	189.81	569.43
99	Supplying and erecting modular type bell-push 6A / 10A ISI mark approved make duly erected on provided plate and box with wiring connections complete.	AU	2	121.95	243.9
100	Supplying and erecting modular type bell indicator ISI mark approved make duly erected on provided plate and box with wiring connections complete.	AU	2	179.21	358.42
101	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	4	127.25	509
102	Supplying & installing UTP networking Cat-6 cable suitable for LAN / WAN Computer networking as per specification No. WG-COC/NC	Mtr	300	53.02	15906
103	Supplying, erecting & commissioning Krone module of 10 pairs as per specification No. WG-TW	No	1	371.14	371.14



104	Supplying, erecting & commissioning Junction box suitable for 10 pairs as per specification No. WG-TW	No	1	694.56	694.56
105	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.	No	4	100.74	402.96
106	Supplying & erecting telephone cable 2 pair with 0.5 mm dia. laid in provided PVC casing / conduit as per specification No. WG-TW	Mtr	75	24.39	1829.25
107	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.	No	7	253.44	1774.08
108	Supplying & erecting telephone cable 5 pair with 0.5 mm dia. laid in provided PVC casing / conduit as per specification No. WG-TW	Mtr	50	51.96	2598
109	Providing and fixing sheet metal work in CRCA sheet with fabrication of boxes panel boards etc. including cutting, bending, drilling, welding, rivetting etc. treated with anti-rust treatment and duly power coated or painted with one coat of red lead paint and 2 coats of enamel paint as directed. Note:- For the purpose of panel boards above rates shall be inclusive of work along with angle iron work.	kg	50	232.23	11611.5
110	Supplying and erecting Iron, sheet metal work consisting of CRCA Sheets, Various sections of iron, Plates, Chequered Plates, Rods, Bars, MS pipes, etc. for panel board or any other purposes complete with bending, cutting, drilling and welding complete erected at the position with necessary materials duly painted with one coat of red oxide and two coats of enamel paint to match the switchgears or as per directions by the authority	kg	150	143.15	21472.5
111	Providing & erecting Hot dipped Galvanised Perforated type Cable tray manufactured from 16 swg (1.6 mm thick) GI sheet of 150 mm width & 75 mm height complete with necessary coupler plates & hardware in approved manner.	M	60	575.8	34548
112	Providing & erecting Hot dipped Galvanised Perforated type Cable tray manufactured from 16 swg (1.6 mm thick) GI sheet of 300 mm width & 75 mm height complete with necessary coupler plates & hardware in approved manner.	M	40	812.27	32490.8



113	Making the trench in Hard murum/Tar road of suitable width and depth as per IS for laying provided L.T cable of 25 sq mm & above and covered with Half round hume pipe complete. As per specification no. CW-EXN-CTR	M	15	347.81	5217.15
114	Dismantling the existing cables of all types & size upto 10 sq mm.	M	100	14.85	1485
115	Dismantling the existing cables of all types & size above 10 sq mm upto 50 sq.mm.	M	100	22.27	2227
116	Dismantling the existing switchgears, DB, and Bus bar of any size complete with/without board or angle iron frame	AU	35	95.44	3340.4
117	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.	AU	25	38.17	954.25
118	Dismantling the existing W.T. fluorescent fitting/ S.V./ M.V/Mhlamp /LED fitting from pole with brackets complete.	AU	30	111.34	3340.2
119	Dismantling of existing fluorescent fittings of any type & size.	AU	25	15.91	397.75
120	Dismantling the existing Aluminium/copper mains, sub-mains wiring upto 10 sq.mm. along with accessories etc.Complete as per specification No: WG-DM/PW	M	200	3.18	636
121	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	Points	50	8.48	424
122	Dismantling the existing cables of all types & size above 50 sq mm.	M	100	29.69	2969
123	Providing earthing with Copper earth plate size 60 x 60 x 0.315 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 & recording the results as per specification no ESE -LA	AU	2	19510.37	39020.74
124	Supplying and erecting copper strip of required size used for earthing on wall and/or any other purpose with necessary copper clamps fixed on wall painted with bituminous paint in an approved manner with joints required. As per specification No EA-EP.	kg	16	902.4	14438.4
				B. Total for Electrical Work:	2443367.94
				Total Amount (A+B)	5432037.13
				Add GST %	
				Total including GST	

**Enclosure-9**

Sub: Construction of Centre of Excellence at ATS, AY MDL Mumbai.

Ref: Tender no: 1900000027 dated 04 Jan' 18

<u>List of Drawings</u>		
Sr No	Description	Drawing No
A.	Civil Drawings	
1	Proposed Layout Ground Floor	TS/CV/ALY/ATS/02
2	Existing Layout Ground Floor	IP/AY/ATS/Ground Flr
B.	Electrical Drawings	
1	Electrical SLD Layout	TS/EL/ALY/ATS/01
2	Proposed Electrical Lighting Layout	TS/EL/ALY/ATS/02
3	Electrical Fuse switch arrangement Layout	TS/EL/ALY/ATS/04