



**ADDITIONAL TERMS & CONDITIONS (ATC)**

**PROCUREMENT OF ENERGY MONITORING SYSTEM (EMS) (QTY-1 SET)**

- 1. EMD Exemption:** EMD shall be submitted as mentioned in the GeM bid and as per GeM Terms & Condition. EMD exemption is as per GeM conditions. Bidders shall submit valid EMD/EMD exemption certificate at the time of bidding. In case valid exemption certificate is not submitted along with the bid then bid will be rejected. In addition to that EMD is exempted for following,
- Firms registered with MDL for **material group 0047400** only. 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. Firms in the process of obtaining MDL registration will not be considered for EMD exemption.
  - 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.
  - 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.

**Note:**

- Firm not having valid certificate or certificate in process or other than above category of EMD exemption (including EMD exemption as per GeM conditions) has to submit EMD otherwise their offer will be rejected.
- For EMD exemption under MSE category, bidders who are holding valid Udyam registration and are manufacturer of the offered product are eligible. Hence MSE bidders who seek EMD exemption, are required to furnish declaration of being manufacturer of offered product in the format given at **Enclosure-6** of this document.

**2. Compliance Statement for Scope of Work (SOW):**

Bidder to understand Technical Specification and Scope of Work as per **Enclosure-11** and submit acceptance of Scope of Work/Technical Specification.

- 3. PRICING:** Bidders shall quote for delivery (6 Months) of the items to the following destination including charges towards inland transportation, insurance, unloading charges and other local costs incidental to the delivery of the Goods/Services.

**Delivery Address: Mazagon Dock Shipbuilders Limited, Dockyard Road, Mumbai -400010.**

**4. Performance Bank Guarantee:**

Please note that Performance Bank Guarantee should be valid till end of Guarantee/Warranty period + additional 02 months

**5. Alternate MSME vendor payment through TReDS:**

- In order to address the financial needs of MSME firms, GoI has introduced a platform for facilitating the financing of trade receivables of MSMEs from buyers, through multiple financiers which is termed as Trade Receivables Discounting System (TReDS). At TReDS, auctioning of invoices at competitive & transparent environment is done by financiers based on Buyer's credit profile.
- MDL is registered on the "Invoicemart" TReDS platform, M1xchange of M/s Mynd Solutions Pvt. Ltd and M/s Recievable Exchange of India Ltd(RXIL).
- MSME bidders desirous to receive payments through TReDS platform may avail the facility if they are already registered on

a) "Invoicemart" TReDS platform or by registering on it.

Contact details at "Invoicemart" TReDS platform are as below:

Mr. Amit Kumar Dutta, +91-8600179668 and a new mail id amit1.dutta@invoicemart.com.

b) "M1xchange" TReDS platform or by registering on it.

Contact details at "M1xchange" TReDS platform are as below:

Mr. Shaiwal Sinha Contact No. +91-9599224595 email id: shaiwal.sinha@mlxchange.com,

Mr. Ankit Singh No. +91-9800250395 email id: ankit.singh@mlxchange.com



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c) "RXIL" TReDS platform or by registering on it.  
Contact Details at RXIL:  
Mr Santosh Yadav, Senior Relationship Manager, Business Development  
Contact No. +91-9167708156, Email id: santosh.yadav@rxil.com  
Ms. Angelin Anbarasan, contact no + 91-8451975191  
Email id: - angelin.anbarasan@rxil.in

All the above three discounting firm have offered waiver of Registration / On boarding fees to MDL vendors.

- 6. E INVOICE:** Bidder, whose aggregate turnover in any preceding financial year from FY 2017-18 onwards, exceeds INR 5 crore as per GST Act or as applicable from time to time, will have to submit an e- Invoice with a Quick Response (QR) code and Invoice Registration No. (IRN).

Wherever GST is applicable, payment will be released against e-Invoice, or Invoice accompanied with Vendor's Self Declaration that " We do not fall under the category of registered persons notified under Rule 48(4) of the Central GST Rules, 2017 and we are not required to comply with e-Invoicing provisions under GST Act, as our aggregate turnover in any preceding financial year from 2017-18 onwards has not exceeded Rs. 5 Crores as per GST act".

**7. CONSIGNEE:**

- (a) Material to be delivered at: Mazagon Dock Shipbuilders Limited, Dockyard Road, Mumbai-400010.
- (b) In order to avoid inconvenience during the delivery of material, it is advisable for supplier to depute their representative in their own interest to coordinate the activities between the transporter, and MDL stores.
- (c) Following document should be submitted along with material:
- PO copy & subsequent amendments issued to it, if any.
  - Mill Test Certificate if applicable as per tender/TSP.
  - Delivery Challans clearly indicating MDL GeM Contract No.
  - Packing List co-relating the items in the MDL GeM Contract.
  - Copy of Warranty Certificate, Preservation Certificate etc. as applicable
  - E-Way bill (if applicable).
  - GeM Invoice and Commercial Invoice.

Note: Any discrepancy, shortfall, mismatch, incompleteness in above documents may lead to delay in CRAC / GRN and subsequent payment, for which MDL shall not be held responsible.

- (d) Unloading of Material at MDL Stores shall be the responsibility of Vendor.

**8. INSPECTION:**

- i. **RECEIPT INSPECTION:** MDL user dept shall carry out necessary inspection of the items on receipt of item at MDL stores. Any objection raised by MDL user dept against quality of materials or workmanship shall be satisfactorily corrected by the Contractor at his expense including replacement as may be required within shortest possible time within 30 days. Items damaged during transit shall also be rectified/replaced by the Contractor within shortest possible time. Goods accepted by the purchaser at the initial and final inspections, in terms of the contract, shall in no way dilute the purchaser's right to reject them later, if found deficient in terms of the warranty clause of the contract.
- ii. **REJECTION OF MATERIAL:** Rejected materials, if any, shall have to be promptly lifted by the supplier at his own expenses with his labour / transport as the case may be.

Note: MDL reserves the right to test the supplied product at Govt. or NABL lab for verifying the compliance of the supplied products to the specification of the PO. If the test result confirms the compliance of the product to the specification of the PO, then the testing charges shall be borne by MDL. However, if the test result confirms non-compliance of the product to the specification of the PO, then the whole lot shall be rejected and the testing charges shall be recovered from the supplier.

**9. PUBLIC PROCUREMENT POLICY (PREFERENCE TO MAKE IN INDIA) ORDER 2017:**

**Minimum local content:** The Minimum local content requirement is 20% and 50% for Class-II and Class-I vendor respectively i.e. Only Class-I and Class-II suppliers are eligible to bid.



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Purchase preference shall be given to local supplier in all procurement undertaken by MDL in line with The Govt of India has issued revised public procurement (Preference to Make in India) order 2017, issued on 19.07.2024. Revised Order 2017 is enclosed with ATC.

### **Explanatory notes for calculation of local content given below: -**

- a. Imported items sourced locally from resellers/ distributors shall be excluded from Calculation of local content.
- b. The license fees / royalties paid / technical charges paid out of India shall be excluded from local content calculation.
- c. Procurement / supply repackaged / refurbished / rebranded imported products as understood commonly shall be treated as reselling of imported products and shall be excluded from calculation of local content. The definition of repackaged / refurbished / rebranded imported product is as follows.

Refurbishing means repair or reconditioning of an imported product does not amount to manufacture because no new goods come into existence.

Repackaging means repacking of imported goods from bulk pack to smaller packs would not ordinarily amount to manufacture of a new item.

Rebranding means relabeling or renaming or change in symbol or logo/ makes or corporate image of a company/organization/firm for an imported product would amount to rebranding.

- d. To ensure that imported items sourced locally from resellers/ distributors are excluded from calculation of local content, procuring entities to obtain from bidders, the cost of such locally – sourced imported items (Inclusive of taxes) along with break-up on license / royalties paid / technical expertise cost etc. sourced from outside India. For items sold by bidder as reseller OEM certificate of country of origin to be submitted.
- e. For Contracts involving supply of multiple items, Weighted average of all items to be taken while calculating the local content.
- f. Bidder shall give self-certification for local content in the quoted item at the time of tendering. However, at the time of execution of the project, for all contract above INR 10 crore, the contractor / supplier shall submit the local content certification duly certified by cost accountant / chartered accountant in practice. For cases where it is not possible to provide certification by Cost / Chartered Accountant at the time of execution of project, the supplier shall be permitted to provide the certificate for local content from Cost Accountant / Chartered Accountant after completion of the contract, within time limit acceptable to the procuring entity (30 days of completion). In case the contractor / supplier does not meet the stipulated local content requirement and the category of supplier changes from Class-I to Class-II / Non-local or Class-II to Non-local, a penalty of 10% of the contract value shall be imposed which shall be withheld from payment due to the bidder. However, contract once awarded shall not be terminated on this account. Further, it must be informed that once declaration / certification is committed at tender stage, the same cannot be altered subsequently at technical negotiation stage or after award of contract. Doing so would be treated / considered as false declaration by bidder and necessary action shall be initiated as per para 9 of the said Order for debarment.

(i) The local content can be increased by vendors through partnerships, cooperation with local companies, establishing production units in India or Joint Ventures (JV) with Indian suppliers, increasing the participation of local employees in services and training them.

(ii) DPIIT vide OM No. P-45021/102/2019-BE-IIPaRT(1)(E-50310) dated 04 Mar 2021 has clarified that Bidders offering imported products will fall under the category on Non-local suppliers and they cannot claim themselves as Class-I local suppliers / Class-II local suppliers by claiming the services such as transportation, insurance, installation, commissioning, training and after sales service support like AMC / CMC, etc. as local value addition. Hence, bidders offering imported products will be treated as Non-local suppliers.

### **10. HINDRANCE REGISTER:**

- a. Wherever submission, approvals and clearances are required, hindrances, if any, with date of occurrences and removal shall be noted in the Hindrance Register.
- b. The Hindrance Register shall document the following aspects post Placement of PO/Contract:



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- i. Reasons for the delay vis-à-vis the mutually agreed schedule (Hindrance) viz. delay in MDL Inputs (Drawings/Material/Documents/Services/ Inspection call), delay by TPI/Inspection Agency/ Customer (Navy), delay on account of specialist services, non-performance by the contractor, delinquency by the vendor, force majeure or any other relevant reason shall be recorded.
- ii. Source for delay (Attributable) viz. Delinquent vendor, Contractor, MDL, TPI/Customer (Navy), specialists, Inspection agency like DQA(N) or equivalent, any other agency.
- iii. All the hindrances with date of occurrence and removal are to be noted in the Hindrance Register. Hindrance Register will be signed by both the parties i.e., User Dept and Contractor. Executive in the rank of CM and above in case of MDL, the nodal executive of the user department and site-in-charge of the supplier or their authorized signatories are only authorized to sign the Hindrance Register. In case of goods / supply orders, correspondence done with supplier / customer shall be recorded by Commercial / Material department in the Hindrance Register.
- iv. The contractor may also record their observations in the Hindrance Register. Any objection raised by the contractor should be promptly attended and resolved without any delay.
- v. In case the contractor has a different opinion for hindrance and a dispute arises, then the matter shall be referred to the next higher authority and the decision to be communicated within 15 days. The decision of the next higher authority in case of dispute in respect of hindrances during the course of executing an order/contract shall be final and binding on the contractor.
- vi. In case MDL is unable to remove 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 may reduce manpower deployed on the work. Under no circumstances, contractor should be paid for idle manpower.

**11. WORKING ON MDL HOLIDAYS:** Intimation for working on Saturday / Sunday / holidays if required, should be submitted 2 working days prior to the date of holiday indicating names of personnel to Personnel Department and Security through concerned Department.

**12. CONFLICT OF INTEREST AMONG BIDDERS/ AGENTS:** Bidders having a conflict of interest shall not be eligible to participate in the tender process unless the conflict stemming from such relationship has been resolved in a manner acceptable to the Procuring Entity throughout the Tender process and execution of the Contract. The bidder shall be considered to have a conflict of interest in this tender process and execution of the resultant contract in the following situations: -

- (i) If its personnel have a close personal, financial, or business relationship with any personnel of the procuring entity who are directly or indirectly related to the procurement or execution process of the contract, which can affect the decision of the procuring entity directly or indirectly.
- (ii) The bidder (or his allied firm) provided services for the need assessment/ procurement planning of the Tender process in which it is participating.
- (iii) A Principal can authorize only one agent, and an agent should not represent or quote on behalf of more than one Principal. However, this shall not debar more than one Authorized distributor (with/ or without the OEM) from quoting equipment manufactured by an Original Equipment Manufacturer (OEM) in procurements under a Proprietary Article Certificate.
- (iv) A bidder participates in more than one bid in this tender process. Participation in any capacity by a Bidder (including the participation of a Bidder as a partner/ JV member or sub-contractor in another bid or vice versa) in more than one bid shall result in the disqualification of all bids in which he is a party. However, this does not limit the participation of an entity as a sub-contractor in more than one bid if he is not bidding independently in his own name or as a member of a JV;

**Note:** Participation of any bidder in this tender is construed as the bidder unconditionally agree and abide by the content of undertaking at Enclosure-7.

**13. CONTACTING MDL DURING THE EVALUATION:** From the time of bid submission to awarding the contract, no bidder shall contact MDL on any matter relating to the submitted bid. If a Bidder needs to contact MDL for any reason relating to this tender and/ or its bid, it should do so only in writing or electronically. Any effort by a Bidder to influence MDL during the processing of bids, evaluation, bid comparison or award decisions shall be construed as a violation of the Code of Integrity, and bid shall be liable to be rejected as nonresponsive in addition to other punitive actions for violation of Code of Integrity as per the Tender Document.



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### 14. CARTEL FORMATION/POOL RATES

It is possible that sometimes a group of bidders quote the same rate against a tender. Such pool/cartel formation is against the basic principle of competitive bidding and defeats the very purpose of an open and competitive tendering system. Such and similar tactics to avoid/control true competition in a tender leading to "Appreciable Adverse Effect on Competition" (AAEC) have been declared as an offence under the Competition Act, 2002, as amended by the Competition (Amendment) Act, 2007. In case of evidence of cartel formation, detailed cost analysis may be done by associating experts if necessary. Besides, suitable administrative actions can be resorted to, such as rejecting the offers, reporting the matter to trade associations, the Competition Commission or NSIC, etc., and requesting them, inter-alia, to take suitable strong actions against such firms. Purchaser may also debar the tenderers indulging in cartel formation/collusive bidding/bid rigging for a period of two years from participation in the tenders of the Purchaser.

### 15. Scrutiny of Offers:

Bidders to ensure the completeness and clarity in their online offer by ensuring that complete/relevant documents/details required as per tender are uploaded ALONG WITH THEIR PART I ONLINE BID on GeM PORTAL. During evaluation and comparison of bids, MDL may, at its discretion, ask the bidder for clarifications on the bid. In case of shortfall documents, opportunity may be given to the bidder to submit the shortfall/supportive document through GeM portal. Bidder to note that the shortfall information/documents will be sought only in case of historical documents which pre-existed at the time of the tender opening and which have not undergone change since then.

Bidders shall regularly check their GeM bid status on GeM portal for any such clarifications. Bidders are expected to provide clarification before the deadline on GeM portal. If the bidder does not comply or respond by the date, his offer will be liable to be rejected.

No change in prices or substance of the bid shall be sought, offered or permitted. No post-bid clarification at the initiative of the bidder shall be entertained.

### 16. ADDITIONAL INSTRUCTIONS:

- (a) The bidder shall also abide to all statutory requirements, Official Secret Act 1923, Security and Safety Rules as per references, which are part of this tender. If contractors' employees are not adhering to the health, safety and environment norms and the contractors not equipping their employees with suitable safety gears, will be viewed seriously. For non-adherence to above will be levied as per extant guidelines of Security and Safety Rules prevailing time to time, to the contractor without prejudice to other rights to enforce the safety requirements.
- (b) MDL shall not be bound by any printed conditions or provisions in the sellers' bid forms or acknowledgement of contract, invoices, packing list and any other documents which purport to impose any conditions at variance with the tender terms / final negotiated & accepted terms.
- (c) No claims by the firms will be entertained after 03 years from date of execution/completion of order.
- (d) Once the Local Content declaration / certification is committed at tender submission stage, the same cannot be altered subsequently at technical negotiation stage or after award of contract. Doing so would be treated / considered as false declaration by bidder and necessary action shall be initiated including debarment as deemed fit.
- (e) Public Grievance Cell: Details of the Public Grievance Cell is as below;
  - i. President - Shri R. R. Kumar, ED(Tech). Email ID – [rrkumar@mazdock.com](mailto:rrkumar@mazdock.com)
  - ii. Member - Shri A K Chand, ED(HR). Email ID – [akchand@mazdock.com](mailto:akchand@mazdock.com)
  - iii. Member - Shri E R Thomas, GM(Tech). Email ID – [erthomas@mazdock.com](mailto:erthomas@mazdock.com)
  - iv. Member - Shri S C Mandal, GM(Tech). Email ID – [smandal@mazdock.com](mailto:smandal@mazdock.com)
- (f) **Complaints / Grievance:** Any complaints / grievances relating to implementation of revised Public Procurement (Preference to Make in India) Order 2017, issued on 19.07.2024 shall be taken up by Public Grievance Cell of MDL headed by ED(Tech). Fees for filing a complaint under the order shall be Rs. 10,000/- per case. The complaints shall be filed to the Chairman, Public Grievance Cell. Verification of Declared Local Content shall be carried out by seeking additional info as deemed necessary and the bidders (including unsuccessful bidders) against the tender shall be obliged to furnish the necessary documents. Failing to do so, the vendor may invite penal action as per the provisions of the Order. The fee shall be deposited in MDL's Account by NEFT. However, if in the opinion of MDL matter needs to be dealt at higher level, then the complaint shall be referred to



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Nodal Ministry and their fees / expenses / charges applicable as per the Nodal Ministry shall be borne by the complainant and paid by the complainant before referring the matter.

The Bank Account details of MDL are as follows:

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 Code:	SBIN0009054
RTGS Code:	SBIN0009054
NEFT Code:	SBIN0009054

- (g) **Corrigendum** to the Bid, if any, shall be published on GeM Portal and MDL website. Bidders are advised to visit the GeM Portal and MDL website regularly to remain updated for any such Corrigendum. It is bidder's responsibility to check the GeM Portal, MDL website for any Corrigendum.

- 17. CONTACT DETAILS FOR QUERIES:** All bidders are requested to get their queries, if any, clarified in advance (i.e., 7 days in advance to tender closing date) to avoid last minute delay. In case of any clarifications regarding tender, bidders are requested to contact the following executives.

Dept.	Name of Executives	Contact No	Email
Technical	Mr. Ashish Kumar Yadav Asst. M (SB-MTC)	+912223763122	ashishkyadav@mazdock.com
	Mr. P.M.Sawant CM(SB-MTC)	+912223763135	pmsawant@mazdock.com
Commercial	Mr. Mangesh Wankhede CM (C-MP)	+912223763408	mwankhede@mazdock.com
	Mr. Shantaram Kurkute, DGM (Mat-Capital Purchase)	+9122- 23763252	skurkute@mazdock.com

**18. Note: -**

- Bidders who are debarred under PPP MII order 2017, GeM, CPPP including Tender holiday issued by MDL will be rejected.
- Bids received without EMD (other than those who are exempted from payment of EMD) will be rejected.
- Bidders asking for exemption against Start-up certificate, has to submit declaration that the start-up certificate submitted is valid as on date for exemption
- Bids received without Technical Specification and Scope of Work Acceptance form as attached in Enclosure 11 will be rejected.
- Non-compliance/non-acceptance to any of the terms and conditions of the tender is liable for rejection.
- Any deviation in delivery period is liable for rejection.
- Firm has to submit the contact details like E-mail address, Name of the person, Phone number for further communications.
- LD will be applicable as per GeM Terms & Condition.

**Enclosures: -**

Enclosure-1	Declaration Certificate for Local Content
Enclosure-2	Contact Details of Bidder
Enclosure-3	Turnover detail
Enclosure-4	Format for remittance towards EMD/Performance Security
Enclosure-5	Official Secret Act 1923
Enclosure-6	Declaration of manufacturer of offered product
Enclosure-7	Undertaking For Conflict of Interest
Enclosure-8	PIDPI related information
Enclosure-9	Revised Public Procurement (Preference to Make in India) Order 2017, issued on 19.07.2024
Enclosure-10	Safety Instruction for Sub-Contractor
Enclosure- 11	Technical Specification & Acceptance of Scope of Work
Enclosure- 12	BIDDER DECLARATION FOR SITE VISIT



# MAZAGON DOCK SHIPBUILDERS LIMITED, MUMBAI

## Enclosure-1

### DECLARATION CERTIFICATE FOR LOCAL CONTENT

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

**THE BIDDERS SHALL PROVIDE THIS CERTIFICATE FROM STATUTORY AUDITOR OR COST AUDITOR OF THE COMPANY (IN CASE OF COMPANIES) OR FROM A PRACTICING COST ACCOUNTANT OR PRACTICING CHARTED ACCOUNTANT (IN RESPECT OF SUPPLIER OTHER THAN COMPANIES) GIVING THE PERCENTAGE OF LOCAL CONTENT.**

**IN RESPECT OF BID/ TENDER No** \_\_\_\_\_

**ISSUED BY: Mazagon Dock Shipbuilders Ltd**

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

- (a) The facts contained herein are within my own personal knowledge.
- (b) I have read and understood the requirement of local content (LC) and same is specified as percentage calculated in accordance with the definition provided at clause 2 of revised Public Procurement (preference to Make in India) Order 2017.  
  
“Local content” as per above order means the amount of value added in India which shall be the total value of items procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value in percent.”
- (c) I have satisfied myself that the goods/services/works to be delivered in terms of the above specified bid comply with the local content requirements as specified in the tender for ‘Class-I Local Supplier’ / ‘Class-II Local Supplier’, and as above.
- (d) I understand that a bidder can seek benefit of either Public Procurement Policy for MSEs –Order 2012 or Public Procurement (preference to Make in India) Order 2017 and not both and once the option is declared / selected it is not permitted to be modified subsequently.

(e) The local content calculated using the definition given above are as under:

Tender Item Sr No	Local content calculated as above %	Location of local value addition (Location shall be the specified as name of city or district, etc. Location as name of country will be considered as ambiguous and such bids shall be rejected)
1		
2		

Attach separate sheet **duly signed** if the space not sufficient.



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**Note:**

**1) Local content percentage shall be declared item wise or tender wise strictly as per the terms of the tender.**

**2) Format for actual local content declaration shall be provided to successful bidder along with PO copy. It is binding on the successful bidder to submit the actual local content declaration post PO placement & Execution as mentioned in tender.**

(f) I accept that the Procurement Authority / Institution / MDL / Nodal Ministry has the right to request that the local content be verified in terms of the requirements of revised Public Procurement (preference to Make in India) Order 2017 dated 16.09.2020 and I shall furnish the document / information on demand. Failure on my part to furnish the data will be treated as false declaration as per PPP MII Order 2017. In case of contract being awarded, I undertake to retain the relevant documents for 7 years from date of execution.

(g) I understand that the submission of incorrect data, or data that are not verifiable as described in revised Public Procurement (preference to Make in India) Order 2017, may result in the Procurement Authority / Nodal Ministry / MDL imposing any or all of the remedies as provided for in Clause 9 of the Revised Public Procurement (preference to Make in India) Order 2017 dated 16.09.2020.

**SIGNATURE:** \_\_\_\_\_

**DATE:** \_\_\_\_\_

**Seal / Stamp of Bidder**



## MAZAGON DOCK SHIPBUILDERS LIMITED, MUMBAI

### Enclosure-2

#### CONTACT DETAILS OF BIDDER

Name of Bidder:	
Address:	
Contact Number:	
email id:	

#### Details of Authorized Representatives; (Three Levels)

1.

Name:	
Designation	
Direct Landline Number:	
Mobile Number:	
Email id:	

2.

Name:	
Designation	
Direct Landline Number:	
Mobile Number:	
Email id:	

3.

Name:	
Designation	
Direct Landline Number:	
Mobile Number:	
Email id:	



**MAZAGON DOCK SHIPBUILDERS LIMITED, MUMBAI**

**Enclosure-3**

**Turnover Detail**

<b>Financial Year</b>	<b>Turnover (INR)</b>	<b>Relevant Document attached (Yes/No) Name of document attached</b>



## MAZAGON DOCK SHIPBUILDERS LIMITED, MUMBAI

### Enclosure-4

### Format for remittance towards EMD/Performance Security

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

NAME OF BANK A/C HOLDER: **MAZAGON DOCK SHIPBUILDERS LTD**  
BANK AND BRANCH: : **STATE BANK OF INDIA, COMMERCIAL BRANCH, FORT, MUMBAI-  
400023**  
TYPE OF ACCOUNT : **CURRENT**  
BANK ACCOUNT NO : **11079519138**  
IFSC CODE : **SBIN0006070**  
SWIFT CODE : **SBININBB101**

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

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

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

Signature of Vendor/Representative



**Enclosure-5**

**OFFICIAL SECRET ACT 1923**

*(ILLUSTRATIVE FORMAT)*

**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 abstract 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”**



## MAZAGON DOCK SHIPBUILDERS LIMITED, MUMBAI

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.



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**Enclosure-6**

**Confirmation of being manufacturer of offered product**

**(Compliance to Serial no. 1 (note b) of General Terms and Conditions on GeM) – To be submitted by MSE bidders on OEM letter head.**

Tender No

WE M/s \_\_\_\_\_, hereby declare  
that our firm is manufacturer of offered product.

**Note:**

1. As per **Serial no. 1 (note b)** of General Terms and Conditions on GeM, EMD exemption is applicable for those offered items of which the MSE bidder is a manufacturer. For the remaining products/items, MSE bidder shall not be eligible for exemption of EMD.
2. Above confirmation shall be duly filled (Yes or No) for each item/schedule by the bidder and it shall be uploaded along with the Part 1 bid.

**M/s.- .....**

**Signature & Stamp of the Authorized Person of bidder**



**Enclosure-7**

**UNDERTAKING REGARDING CONFLICT OF INTEREST**

We do not have any conflict of interest with other bidders. We agree for the following compliance;

1. The bidder found to have a conflict of interest shall be disqualified.
2. The bidder shall be considered to have a conflict of interest in this tender process and execution of the resultant contract in the following situations: -
  - i) If its personnel have a close personal, financial, or business relationship with any personnel of the procuring entity who are directly or indirectly related to the procurement or execution process of the contract, which can affect the decision of the procuring entity directly or indirectly;
  - ii) The bidder (or his allied firm) provided services for the need assessment/ procurement planning of the Tender process in which it is participating;
  - iii) A Principal can authorize only one agent, and an agent should not represent or quote on behalf of more than one Principal. However, this shall not debar more than one Authorized distributor (with/ or without the OEM) from quoting equipment manufactured by an Original Equipment Manufacturer (OEM) in procurements under a Proprietary Article Certificate or
  - iv) A bidder participates in more than one bid in this tender process. Participation in any capacity by a Bidder (including the participation of a Bidder as a partner/ JV member or sub-contractor in another bid or vice versa) in more than one bid shall result in the disqualification of all bids in which he is a party. However, this does not limit the participation of an entity as a sub-contractor in more than one bid if he is not bidding independently in his own name or as a member of a JV;

Note: The undertaking by the bidders for above para (Conflict of Interest among Bidders/ Agents) to be submitted along with Part I bid.

**SIGNATURE:** \_\_\_\_\_

**DATE:** \_\_\_\_\_

**Seal / Stamp of Bidder**



Enclosure-8

PIDPI (Public Interest Disclosure & Protection of Informers Resolution) related information

सतर्कता जागरूकता सप्ताह Vigilance Awareness Week 2023  
 (30 अक्टूबर 2023 - 05 नवंबर 2023) (30 October 2023 - 05 November 2023)

जनहित प्रकटीकरण और मुखबिर संरक्षण संकल्प  
 Public Interest Disclosure and Protection of Informers Resolution

क्या आपको पिडपी के बारे में पता है? Are you aware of PIDPI?



पिडपी क्या है? What is PIDPI?

- ❖ पिडपी भारत सरकार का एक संकल्प है।  
PIDPI is a resolution of Government of India.
- ❖ इसके अंतर्गत दर्ज की गई सभी शिकायतों के शिकायतकर्ताओं की पहचान गोपनीय रखी जाती है।  
Identity of the complainant is kept confidential for all complaints lodged under it.

पिडपी शिकायत कैसे की जाती है? How is PIDPI Complaint filed?

- 1 सचिव, केंद्रीय सतर्कता आयोग, सतर्कता भवन, ब्लॉक-ए, नई दिल्ली - 23, को शिकायत भेजी जाए और लिफाफे पर "पिडपी" लिखा होना चाहिए।  
The Complaint should be addressed to **Secretary, CVC, Satarkta Bhavan, Block-A, New Delhi - 23** and the envelope should be superscribed as "PIDPI".
- 2 शिकायतकर्ता का नाम और पता लिफाफे पर नहीं लिखा होना चाहिए अपितु बंद लिफाफे के अंदर पत्र में होना चाहिए।  
Name and Address of the complainant should NOT be mentioned on the envelope but in the letter inside in a closed cover.

शिकायतकर्ता की पहचान गोपनीय रहे, ऐसा सुनिश्चित करने के लिए दिशानिर्देश  
Guidelines to ensure identity of complainant remains Confidential

- ✓ जो शिकायतें व्यक्तिगत रूप से शिकायतकर्ता से संबंधित हैं या अन्य अधिकारियों को संबोधित हैं, उनमें पहचान प्रकट हो सकती है।  
Complaints that are personally related to the complainant or addressed to other authorities may lead to disclosure of identity.
- ✓ शिकायतें खुली स्थिति में या सार्वजनिक पोर्टल पर नहीं भेजी जानी चाहिए।  
Complaints should not be sent in open condition or on public portal.
- ✓ लिफाफे के अंदर पत्र पर नाम और पता पुष्टि के प्रयोजन से लिखा होना चाहिए।  
Name and Address should be mentioned on the letter inside the envelope for confirmation purpose.
- ✓ जिन शिकायतों की पुष्टि प्राप्त नहीं होती है, उन्हें बंद कर दिया जाता है।  
Complaints where confirmation is not received are closed.
- ✓ शिकायत में, पहचान प्रकट करने वाले दस्तावेज़ संलग्न नहीं करने चाहिए अथवा उनका उल्लेख नहीं किया जाना चाहिए जैसे: आर.टी.आई. के अंतर्गत प्राप्त दस्तावेज़।  
Documents that reveal identity should not be enclosed or mentioned in the complaint. e.g.: documents received under RTI.
- ✓ अज्ञान/छद्मनाम पत्रों पर विचार नहीं किया जाता है।  
Anonymous/Pseudonymous letters are not entertained.



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### Enclosure-9

No. P-45021/2/2017-PP (BE-II)-Part(4)Vol.II  
Government of India  
Ministry of Commerce and Industry  
Department for Promotion of Industry and Internal Trade  
(Public Procurement Section)

Vanijya Bhawan, New Delhi  
Dated: 19 July, 2024

To

All Central Ministries/Departments/CPSUs/All concerned

### ORDER

**Subject: Public Procurement (Preference to Make in India), Order 2017-Revision; regarding.**

Department for Promotion of Industry and Internal Trade, in partial modification [Paras 2, 3, 5, 10 & 13] of Order No.P-45021/2/2017-B.E.-II dated 15.6.2017 as amended by Order No.P-45021/2/2017-B.E.-II dated 28.05.2018, Order No.P-45021/2/2017-B.E.-II dated 29.05.2019, Order No.P-45021/2/2017-B.E.-II dated 04.06.2020 and Order No.P-45021/2/2017-B.E.-II dated 16.09.2020 hereby issues the revised 'Public Procurement (Preference to Make in India), Order 2017' dated 19.07.2024 effective with immediate effect.

**Whereas** it is the policy of the Government of India to encourage 'Make in India' and promote manufacturing and production of goods and services in India with a view to enhancing income and employment, and

**Whereas** procurement by the Government is substantial in amount and can contribute towards this policy objective, and

**Whereas** local content can be increased through partnerships, cooperation with local companies, establishing production units in India or Joint Ventures (JV) with Indian suppliers, increasing the participation of local employees in services and training them,

**Now therefore the following Order is issued:**

1. This Order is issued pursuant to Rule 153 (iii) of the General Financial Rules 2017.
2. **Definitions:** For the purposes of this Order:  
'Local content' means the amount of value added in India which shall, unless otherwise prescribed by the Nodal Ministry, be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value, in percent.

#### **Explanatory notes for calculation of local content given above**

- a. Imported items sourced locally from resellers/distributors shall be excluded from calculation of local content.
- b. The license fees/royalties paid/ technical charges paid out of India shall be excluded from local content calculation.

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- c. Procurement/Supply of repackaged/refurbished/rebranded imported products as understood commonly shall be treated as reselling of imported products and shall be excluded from calculation of local content. The definition of repackaged/refurbished/rebranded imported products is as follows;

'Refurbishing' means repair or reconditioning of an imported product does not amount to manufacture because no new goods come into existence.

'Repackaging' means repacking of imported goods from bulk pack to smaller packs would not ordinarily amount to manufacture of a new item.

'Rebranding' means relabeling or renaming or change in symbol or logo/makes or corporate image of a company/organization/ firm for an imported product would amount to rebranding.

- d. To ensure that imported items sourced locally from resellers/distributors are excluded from calculation of local content, procuring entities to obtain from bidders, the cost of such locally-sourced imported items (Inclusive of taxes) along with break-up on license/royalties paid/technical expertise cost etc. sourced from outside India. For items sold by bidder as reseller, OEM certificate for country of origin to be submitted.
- e. For contracts involving supply of multiple items, weighted average of all items to be taken while calculating the local content.

'Class-I local supplier' means a supplier or service provider, whose goods, services or works offered for procurement, meets the minimum local content as prescribed for 'Class-I local supplier' under this Order.

'Class-II local supplier' means a supplier or service provider, whose goods, services or works offered for procurement, meets the minimum local content as prescribed for 'Class-II local supplier' but less than that prescribed for 'Class-I local supplier' under this Order.

'Non - Local supplier' means a supplier or service provider, whose goods, services or works offered for procurement, has local content less than that prescribed for 'Class-II local supplier' under this Order.

'L1' means the lowest tender or lowest bid or the lowest quotation received in a tender, bidding process or other procurement solicitation as adjudged in the evaluation process as per the tender or other procurement solicitation.

'Margin of purchase preference' means the maximum extent to which the price quoted by a "Class-I local supplier" may be above the L1 for the purpose of purchase preference.

'Nodal Ministry' means the Ministry or Department identified pursuant to this order in respect of a particular item of goods or services or works.

'Procuring entity' means a Ministry or department or attached or subordinate office of, or autonomous body controlled by, the Government of India and includes Government companies as defined in the Companies Act.



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'Works' means all works as per Rule 130 of GFR- 2017, and will also include 'turnkey works'.

### **2A. Special treatment for items covered under PLI Scheme**

The manufacturers manufacturing an item under PLI scheme shall be treated as deemed Class II local supplier for that item unless they have minimum local content equal to or higher than that notified for Class-I local supplier for that item, provided the manufacturer has received incentive from the concerned PLI Ministry for the item. The above shall be applicable for the specific time period only, as notified by concerned PLI Ministry.

### **3. Eligibility of 'Class-I local supplier'/ 'Class-II local supplier'/ 'Non-local suppliers' for different types of procurement**

(a) In procurement of all goods, services or works in respect of which the Nodal Ministry / Department has communicated that there is sufficient local capacity and local competition, only 'Class-I local supplier', as defined under the Order, shall be eligible to bid irrespective of purchase value.

(b) Only 'Class-I local supplier' and 'Class-II local supplier', as defined under the Order, shall be eligible to bid in procurement undertaken by procuring entities, except when Global tender enquiry has been issued. In global tender enquiries, 'Non-local suppliers' shall also be eligible to bid along with 'Class-I local suppliers' and 'Class-II local suppliers'. In procurement of all goods, services or works, not covered by sub-para 3(a) above, and with estimated value of purchases less than Rs. 200 Crore, in accordance with Rule 161(iv) of GFR, 2017, Global tender enquiry shall not be issued except with the approval of competent authority as designated by Department of Expenditure.

(c) For the purpose of this Order, works includes Engineering, Procurement and Construction (EPC) contracts and services include System Integrator (SI) contracts.

### **3.1 Mandatory sourcing of items, with sufficient local capacity and competition, from Class-I local suppliers in SI/EPC/Turnkey Contracts/Service Tenders**

- a. The items, notified as having sufficient local capacity and competition, shall mandatory be sourced from Class-I local suppliers in SI/EPC/Turnkey Contracts/ Services tenders. This provision will be applicable only for those items which have been notified by the Nodal Ministry as Class I i.e. having sufficient local capacity and competition, with specific HSN codes."
- b. Notwithstanding above, if in any project, it is considered that it is not practically feasible to source such items from Class I local suppliers, it may take relaxation from such stipulation with the approval of Secretary of the administrative Ministry/ Department concerned or with the approval of the Competent Authority specified by the Administrative Ministry/Department, on case-specific basis.

### **3A. Purchase Preference**

(a) Subject to the provisions of this Order and to any specific instructions issued by the Nodal Ministry or in pursuance of this Order, purchase preference shall be given to 'Class-I local supplier' in procurement undertaken by procuring entities in the manner specified here under.

(b) In the procurement of goods or works, which are covered by para 3(b)





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above and which are divisible in nature, the 'Class-I local supplier' shall get purchase preference over 'Class-II local supplier' as well as 'Non-local supplier', as per following procedure:

- i. Among all qualified bids, the lowest bid will be termed as L1. If L1 is 'Class-I local supplier', the contract for full quantity will be awarded to L1.
  - ii. If L1 bid is not a 'Class-I local supplier', 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the 'Class-I local supplier' will be invited to match the L1 price for the remaining 50% quantity subject to the Class-I local supplier's quoted price falling within the margin of purchase preference, and contract for that quantity shall be awarded to such 'Class-I local supplier' subject to matching the L1 price. In case such lowest eligible 'Class-I local supplier' fails to match the L1 price or accepts less than the offered quantity, the next higher 'Class-I local supplier' within the margin of purchase preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In case some quantity is still left uncovered on Class-I local suppliers, then such balance quantity may also be ordered on the L1 bidder.
- (c) In the procurement of goods or works, which are covered by para 3(b) above and which are not divisible in nature, and in procurement of services where the bid is evaluated on price alone, the 'Class-I local supplier' shall get purchase preference over 'Class-II local supplier' as well as 'Non-local supplier', as per following procedure:
- i. Among all qualified bids, the lowest bid will be termed as L1. If L1 is Class -I local supplier', the contract will be awarded to L1.
  - ii. If L1 is not 'Class-I local supplier', the lowest bidder among the 'Class-I local supplier', will be invited to match the L1 price subject to Class-I local supplier's quoted price falling within the margin of purchase preference, and the contract shall be awarded to such 'Class-I local supplier' subject to matching the L1 price.
  - iii. In case such lowest eligible 'Class-I local supplier' fails to match the L1 price, the 'Class-I local supplier' with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the 'Class-I local supplier' within the margin of purchase preference matches the L1 price, the contract may be awarded to the L1 bidder.
- (d) "Class-II local supplier" will not get purchase preference in any procurement, undertaken by procuring entities.

**3B. Applicability in tenders where contract is to be awarded to multiple bidders-** In tenders where contract is awarded to multiple bidders subject to matching of L1 rates or otherwise, the 'Class-I local supplier' shall get purchase preference over 'Class-II local supplier' as well as 'Non-local supplier', as per following procedure:

- a. In case there is sufficient local capacity and competition for the item to be procured, as notified by the nodal Ministry, only Class I local suppliers shall be eligible to bid. As such, the multiple suppliers, who would be awarded the contract, should be all and only 'Class I Local suppliers'.
- b. In other cases, 'Class II local suppliers' and 'Non local suppliers' may also participate in the bidding process along with 'Class I Local suppliers' as per provisions of this Order.
- c. If 'Class I Local suppliers' qualify for award of contract for at least



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50% of the tendered quantity in any tender, the contract may be awarded to all the qualified bidders as per award criteria stipulated in the bid documents. However, in case 'Class I Local suppliers' do not qualify for award of contract for at least 50% of the tendered quantity, purchase preference should be given to the 'Class I local supplier' over 'Class II local suppliers'/ 'Non local suppliers' provided that their quoted rate falls within 20% margin of purchase preference of the highest quoted bidder considered for award of contract so as to ensure that the 'Class I Local suppliers' taken in totality are considered for award of contract for at least 50% of the tendered quantity.

- d. First purchase preference has to be given to the lowest quoting 'Class-I local supplier', whose quoted rates fall within 20% margin of purchase preference, subject to its meeting the prescribed criteria for award of contract as also the constraint of maximum quantity that can be sourced from any single supplier. If the lowest quoting 'Class-I local supplier', does not qualify for purchase preference because of aforesaid constraints or does not accept the offered quantity, an opportunity may be given to next higher 'Class-I local supplier', falling within 20% margin of purchase preference, and so on.
  - e. To avoid any ambiguity during bid evaluation process, the procuring entities may stipulate its own tender specific criteria for award of contract amongst different bidders including the procedure for purchase preference to 'Class-I local supplier' within the broad policy guidelines stipulated in sub- paras above.
4. **Exemption of small purchases:** Notwithstanding anything contained in paragraph 3, procurement where the estimated value to be procured is less than Rs. 5 lakhs shall be exempt from this Order. However, it shall be ensured by procuring entities that procurement is not split for the purpose of avoiding the provisions of this Order.

#### **4A. Exemption in sourcing of spares and consumables of closed systems:**

Procurement of spare parts, consumables for closed systems and Maintenance/ Service contracts with Original Equipment Manufacturer/Original Equipment Supplier/Original Part Manufacturer shall be exempted from this Order.

5. **Minimum local content:** The 'local content' requirement to categorize a supplier as 'Class-I local supplier' is minimum 50%. For 'Class-II local supplier', the 'local content' requirement is minimum 20%. Nodal Ministry/ Department may prescribe only a higher percentage of minimum local content requirement to categorize a supplier as 'Class-I local supplier'/ 'Class- II local supplier'. For the items, for which Nodal Ministry/ Department has not prescribed higher minimum local content notification under the Order, it shall be 50% and 20% for 'Class-I local supplier'/ 'Class-II local supplier' respectively.
6. **Margin of Purchase Preference:** The margin of purchase preference shall be 20%.
7. **Requirement for specification in advance:** The minimum local content, the margin of purchase preference and the procedure for preference to Make in India shall be specified in the notice inviting tenders or other form of procurement solicitation and shall not be varied during a particular procurement transaction.
8. **Government E-marketplace:** In respect of procurement through the Government E-marketplace (GeM) shall, as far as possible, specifically mark the items which meet the minimum local content while registering the item for



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display, and shall, wherever feasible, make provision for automated comparison with purchase preference and without purchase preference and for obtaining consent of the local supplier in those cases where purchase preference is to be exercised.

### 9. Verification of local content:

- a. The 'Class-I local supplier'/ 'Class-II local supplier' at the time of tender, bidding or solicitation shall be required to indicate percentage of local content and provide self-certification that the item offered meets the local content requirement for 'Class-I local supplier'/ 'Class-II local supplier', as the case may be. They shall also give details of the location(s) at which the local value addition is made.
- b. In cases of procurement for a value in excess of Rs. 10 crores, the 'Class-I local supplier'/ 'Class-II local supplier' shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.
- c. The bidder shall give self-certification for local content in the quoted item (goods/works/services) at the time of tendering. However, at the time of execution of the project, for all contracts above INR 10 Crore, the contractor/ supplier shall be required to give local content certification duly certified by cost/ chartered accountant in practice. For cases where it is not possible to provide certification by Cost/Chartered Accountant at the time of execution of project, the supplier shall be permitted to provide the certificate for local content from Cost/ Chartered Accountant after completion of the contract, within time limit acceptable to the procuring entity. In case the contractor/ supplier does not meet the stipulated local content requirement and the category of the supplier changes from Class-I to Class-II/ Non-local or from Class-II to Non-local, a penalty upto 10% of the contract value may be imposed. However, contract once awarded shall not be terminated on this account.
- d. Decisions on complaints relating to implementation of this Order shall be taken by the competent authority which is empowered to look into procurement-related complaints relating to the procuring entity.
- e. Nodal Ministries may constitute committees with internal and external experts for independent verification of self-declarations and auditor's/ accountant's certificates on random basis and in the case of complaints.
- f. Nodal Ministries and procuring entities may prescribe fees for such complaints.
- g. False declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.
- h. A supplier who has been debarred by any procuring entity for violation of this Order shall not be eligible for preference under this Order for procurement by any other procuring entity for the duration of the debarment. The debarment for such other procuring entities shall take effect prospectively from the date on which it comes to the notice of other procurement entities, in the manner prescribed under paragraph 9



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i below.

- i. The Department of Expenditure shall issue suitable instructions for the effective and smooth operation of this process, so that:
  - i. The fact and duration of debarment for violation of this Order by any procuring entity are promptly brought to the notice of the Member-Convenor of the Standing Committee and the Department of Expenditure through the concerned Ministry /Department or in some other manner;
  - ii. On a periodical basis such cases are consolidated and a centralized list or decentralized lists of such suppliers with the period of debarment is maintained and displayed on website(s);
  - iii. In respect of procuring entities other than the one which has carried out the debarment, the debarment takes effect prospectively from the date of uploading on the website(s) in the such a manner that ongoing procurement are not disrupted.

### 10. Specifications in Tenders and other procurement solicitations:

- a. Every procuring entity shall ensure that the eligibility conditions in respect of previous experience fixed in any tender or solicitation do not require proof of supply in other countries or proof of exports.
- b. Procuring entities shall endeavour to see that eligibility conditions, including on matters like turnover, production capability and financial strength do not result in unreasonable exclusion of 'Class-I local supplier/ 'Class-II local supplier' who would otherwise be eligible, beyond what is essential for ensuring quality or creditworthiness of the supplier.
- c. Procuring entities shall, within 2 months of the issue of this Order review all existing eligibility norms and conditions with reference to sub-paragraphs 'a' and 'b' above.
- d. **Reciprocity Clause**
  - i. When a Nodal Ministry/Department identifies that Indian suppliers of an item are not allowed to participate and/ or compete in procurement by any foreign government, due to restrictive tender conditions which have direct or indirect effect of barring Indian companies such as registration in the procuring country, execution of projects of specific value in the procuring country etc., it shall provide such details to all its procuring entities including CMDs/CEOs of PSEs/PSUs, State Governments and other procurement agencies under their administrative control and GeM for appropriate reciprocal action.
  - ii. Entities of countries which have been identified by the nodal Ministry/Department as not allowing Indian companies to participate in their Government procurement for any item related to that nodal Ministry shall not be allowed to participate in Government procurement in India for all items related to that nodal Ministry/ Department, except for the list of items published by the Ministry/ Department permitting their participation.
  - iii. The stipulation in (ii) above shall be part of all tenders invited by the Central Government procuring entities stated in (i) above. All purchases on GeM shall also necessarily have the above provisions for items identified by nodal Ministry/ Department.
  - iv. State Governments should be encouraged to incorporate similar provisions in their respective tenders.
  - v. The term 'entity' of a country shall have the same meaning as under the FDI Policy of DPIIT as amended from time to time.
- e. Specifying foreign certifications/ unreasonable technical specifications/



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brands/ models in the bid document is restrictive and discriminatory practice against local suppliers. If foreign certification is required to be stipulated because of non-availability of Indian Standards and/or for any other reason, the same shall be done only after written approval of Secretary of the Department concerned or any other Authority having been designated such power by the Secretary of the Department concerned.

- f. "All administrative Ministries/Departments whose procurement exceeds Rs. 1000 Crore per annum shall notify/update their procurement projections every year, including those of the PSEs/PSUs, for the next 5 years on their respective website."

**10A. Action for non-compliance of the Provisions of the Order:** In case restrictive or discriminatory conditions against domestic suppliers are included in bid documents, an inquiry shall be conducted by the Administrative Department undertaking the procurement (including procurement by any entity under its administrative control) to fix responsibility for the same. Thereafter, appropriate action, administrative or otherwise, shall be taken against erring officials of procurement entities under relevant provisions. Intimation on all such actions shall be sent to the Standing Committee.

11. **Assessment of supply base by Nodal Ministries:** The Nodal Ministry shall keep in view the domestic manufacturing / supply base and assess the available capacity and the extent of local competition while identifying items and prescribing the higher minimum local content or the manner of its calculation, with a view to avoiding cost increase from the operation of this Order.
12. **Increase in minimum local content:** The Nodal Ministry may annually review the local content requirements with a view to increasing them, subject to availability of sufficient local competition with adequate quality.
13. **Manufacture under license/ technology collaboration agreements with phased indigenization:** While notifying the minimum local content, Nodal Ministries may make special provisions for exempting suppliers from meeting the stipulated local content if the product is being manufactured in India under a license from a foreign manufacturer who holds intellectual property rights and where there is a technology collaboration agreement / transfer of technology agreement for indigenous manufacture of a product developed abroad with clear phasing of increase in local content.

13A. In procurement of all goods, services or works in respect of which there is substantial quantity of public procurement and for which the nodal ministry has not notified that there is sufficient local capacity and local competition, the concerned nodal ministry shall notify an upper threshold value of procurement beyond which foreign companies shall enter into a joint venture with an Indian company to participate in the tender. Procuring entities, while procuring such items beyond the notified threshold value, shall prescribe in their respective tenders that foreign companies may enter into a joint venture with an Indian company to participate in the tender. The procuring Ministries/Departments shall also make special provisions for exempting such joint ventures from meeting the stipulated minimum local content requirement, which shall be increased in a phased manner.

14. **Powers to grant exemption and to reduce minimum local content:** The administrative Department undertaking the procurement (including

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## MAZAGON DOCK SHIPBUILDERS LIMITED, MUMBAI

procurement by any entity under its administrative control), with the approval of their Minister-in-charge, may by written order, for reasons to be recorded in writing,

- a. reduce the minimum local content below the prescribed level; or
- b. reduce the margin of purchase preference below 20%; or
- c. exempt any particular item or supplying entities from the operation of this Order or any part of the Order.

The Administrative Department, while seeking exemption under this para, shall certify that such an item(s) has not been notified by Nodal Ministry/ Department concerned under para 3 (a) of the Order.

A copy of every such order shall be provided to the Standing Committee and concerned Nodal Ministry / Department. The Nodal Ministry / Department concerned will continue to have the power to vary its notification on Minimum Local Content.

15. **Directions to Government companies:** In respect of Government companies and other procuring entities not governed by the General Financial Rules, the administrative Ministry or Department shall issue policy directions requiring compliance with this Order.
16. **Standing Committee:** A standing committee is hereby constituted with the following membership:  
Secretary, Department for Promotion of Industry and Internal Trade - Chairman  
Secretary, Commerce—Member  
Secretary, Ministry of Electronics and Information Technology—Member Joint  
Secretary (Public Procurement), Department of Expenditure—Member Joint  
Secretary (DPIIT)—Member-Convenor

The Secretary of the Department concerned with a particular item shall be a member in respect of issues relating to such item. The Chairman of the Committee may co-opt technical experts as relevant to any issue or class of issues under its consideration.

17. **Functions of the Standing Committee:** The Standing Committee shall meet as often as necessary, but not less than once in six months. The Committee
  - a. shall oversee the implementation of this order and issues arising therefrom, and make recommendations to Nodal Ministries and procuring entities.
  - b. shall annually assess and periodically monitor compliance with this Order
  - c. shall identify Nodal Ministries and the allocation of items among them for issue of notifications on minimum local content
  - d. may require furnishing of details or returns regarding compliance with this Order and related matters
  - e. may, during the annual review or otherwise, assess issues, if any, where it is felt that the manner of implementation of the order results in any restrictive practices, cartelization or increase in public expenditure and suggest remedial measures
  - f. may examine cases covered by paragraph 13 above relating to manufacture under license/ technology transfer agreements with a view to satisfying itself that adequate mechanisms exist for enforcement of such agreements and for attaining the underlying objective of progressive indigenization



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- g. may consider any other issue relating to this Order which may arise.
18. **Removal of difficulties:** Ministries /Departments and the Boards of Directors of Government companies may issue such clarifications and instructions as may be necessary for the removal of any difficulties arising in the implementation of this Order.
19. **Ministries having existing policies:** Where any Ministry or Department has its own policy for preference to local content approved by the Cabinet after 1<sup>st</sup> January 2015, such policies will prevail over the provisions of this Order. All other existing orders on preference to local content shall be reviewed by the Nodal Ministries and revised as needed to conform to this Order, within two months of the issue of this Order.
20. **Transitional provision:** This Order shall not apply to any tender or procurement for which notice inviting tender or other form of procurement solicitation has been issued before the issue of this Order.

(Himani Pande)

Additional Secretary to the Government of India

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# MAZAGON DOCK SHIPBUILDERS LIMITED, MUMBAI

## Enclosure-10

Mazagon Dock Shipbuilders Limited		Title: Safety Instruction for Sub-Contractor		
Doc. No.	Issue No	Issue Date	Revision No	Revision Date
SB-Works/Safety/01	01	03.08.2022	00	-

### 1. Scope of Work:

- a. To develop consciousness and to create an awareness amongst the sub-contractor and their employees/workman regarding the general procedures and practices for safe conduct of their work at all times.
- b. This brings out procedures, standard practices etc. and would serve as the reference material to all Sub-Contractors.
- c. This document is only for providing guidance to the sub-contractors and does not replace the safety rules detailed in Factory Acts 1948 and Maharashtra Factory Rule 1963 as amended till date.

### 2. General Safety Guidelines:

- 1.1 The Contractor shall ensure that his employees/workmen subject themselves to medical examinations required under the law and keep a record of the same. (As per the "Factory Acts 1948" and the Maharashtra Factory Rules 1963 as amended till date).
- 1.2 Workers and supervisors engaged in the work shall be competent and undergone Safety training by MDL Safety section before deployment on job inside the MDL.
- 1.3 Contractor should go through MDL safety manual and follow the safety procedures wherever applicable.
- 1.4 The contractor must observe all safety precautions in connection with the work performed by him. No job should be undertaken where question of safety remains unanswered.
- 1.5 The Contractor shall not permit any employee/workmen to enter the work area under the influence of alcohol.
- 1.6 Smoking is strictly prohibited.
- 1.7 Fishing is not permitted in the yard.
- 1.8 Report promptly any situation affecting the safety of any person.
- 1.9 All stairways, Platforms and Walkways must be kept clean at all the times.
- 1.10 Make proper use of all safety devices and guards provided.
- 1.11 All employees shall wear personal protective equipment as appropriate while working.
- 1.12 The workmen of the contractor must wear fire retardant boiler suit/overall while working in MDL premises. The Sub-contractor shall be required to provide their workmen with Boiler suits of suitable colour with name of the contractor on the boiler suits in prominent letters.
- 1.13 The contractor should ensure that First Aid boxes are provided at the work place.
- 1.14 Do not leave tools/items on the floor or where they can fall on people below.
- 1.15 On completion of work in any location, the contractor must ensure that the place is left in a clean state and all scrap is disposed to nearby appropriate scrap bins.
- 1.16 All storage container must be clearly marked indicating the nature of contents.
- 1.17 No one except Driver (Operator) is allowed to ride/drive Jumbo/forklift/Powered trolleys/Crane etc.

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1.18 The contractor should ensure that adequate fire extinguishing arrangements are provided.

1.19 Action by person noticing Fire:

- Attempt to extinguish the fire with available fire-fighting equipment nearby.
- Operate fire alarm system or inform to fire station.

1.20 In order to ensure safety in all hazardous jobs such as excavation, work at height, fragile roof, work in confined spaces, on-board welding and gas cutting, electrical works etc., safety permit should be taken from authorize person.

### 3. Personnel Protective Equipment and other Safety Accessories:

All the contractors' employees shall wear the PPE's and other safety accessories relevant to the work. All safety equipment/accessories should confirm to the relevant Indian or International Standards e.g. ISI, BS, DIN, EN-ISO, ANSI and CE. The PPE matrix is as detailed below:

Sl. No.	Description of Activity	PPE's & Other essential Safety accessories to be used
1	Welding/Gouging	Boiler Suit, Helmet, Hand Gloves, Leg Guard, Face Shield with glass, Leather Aprons, Leather Sleeves, Skull Cap, Safety Shoe, Mask, ear plug etc.
2	Gas Cutting/Gas Welding	Boiler Suit, Helmet, Hand Gloves, Leg Guard, Cutting Goggle with glass, Leather Aprons, Skull Cap, Safety Shoe, Spark Light, ear plug, Tip Cleaner, Mask, Flash back arrestor etc.
3	Blasting & Painting	Boiler Suit, Helmet, Hand Gloves, Goggle, Leather Sleeves, Safety Shoes, Respiratory Mask, Apron, Ear Plug etc.
4	Manual Lifting	Boiler Suit, Helmet, Hand Gloves, Safety Shoe etc.
5	Working at Height	Boiler Suit, Helmet, Hand Gloves, Safety Shoe, Full Body Safety Harness etc.
6	Working on Fragile Roof	Helmet, Hand Gloves, Safety Shoe, Full Body Safety Harness, Scrawling Board, Duck Ladder, Lifeline system etc.
7	Working in Confined Spaces	Boiler Suit, Helmet, Hand Gloves, Safety Shoe, Respiratory Mask, Portable light, ear plug, Multi Gas Detector, Fume extractors etc.
8	Material Movement/Lifting/Turning	Boiler Suit, Helmet, Hand Gloves, Safety Shoe, Slings/Tackles/Shackles, Mask etc.



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Sl. No.	Description of Activity	PPE's & Other essential Safety accessories to be used
9	Grinding	Boiler Suit, Helmet, Hand Gloves, Face Shield, Skull Cap, Safety Shoe, Mask, Ear Plug etc.
10	Machining	Boiler Suit, Helmet, Hand Gloves, Face Shield/Google, Safety Shoe, Mask, Ear Plug etc.
11	Civil Construction	Boiler Suit, Helmet, Hand Gloves, Safety Shoe, Gum boots, Mask, Ear Plug etc.

#### 4. Safety Guidelines:

##### 4.1 Safety during Cutting & Welding:

- 4.1.1 Electrode Welding Holders, Gas Cutting Torches, Pressure Gauges, Welding Cables, Gouging torches, Gas Cutting Hoses etc. shall be of good quality confirming to relevant IS or EN standards with the relevant IS or EN stamping.
- 4.1.2 All welding and cutting operations must be carried out by qualified personnel while working inside the yard.
- 4.1.3 Welding machine should be properly earthed and secured.
- 4.1.4 Portable oven used on job should run with 110V power supply only.
- 4.1.5 Flash back arrestors shall be used for both on the cylinder/pipeline end as well as the cutting torch end. The flash back arrestor shall confirm to the relevant IS or EN standards with the relevant IS or EN stamping.
- 4.1.6 The Cylinders shall be kept upright during use and transportation. All industrial gas cylinders shall have Cylinder Cap/Guard for protection.
- 4.1.7 All Industrial gas cylinders shall be properly secured during use and storage.
- 4.1.8 When the cylinders are not in use, the valves must be closed. Prior to fitting the regulator, the valve should be opened slightly to blow away any dust or grit from the valve.
- 4.1.9 Metal wires shall not be used for connecting gas hoses with gas cutting torches, pressure gauges/regulators and for joining gas hoses with connectors.
- 4.1.10 The firm must ensure that the welding cables and gas hoses are well maintained and replaced if required.
- 4.1.11 All welding cables shall be fully insulated and periodically check for cuts and any damages.
- 4.1.12 Only Spark lights shall be used to ignite flame while using gas cutting/welding torches.

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- 4.1.13 All cutting equipment should be removed/shifted from compartments and confined spaces to open decks during breaks and at end of shift.
- 4.1.14 Gas hoses shall be disconnected from the manifold/cylinder after stoppage of work on the day.
- 4.1.15 All welding and cutting operations carried on in confined spaces shall be adequately ventilated to prevent the accumulation of toxic materials or possible oxygen deficiency.

#### **4.2 Safety while Material Handling/Lifting and Turning:**

- 4.2.1 All lifting slings/tackles/shackles shall be tested and certified with competent Authorities and shall be visually checked periodically for fitness for use.
- 4.2.2 All lifting equipment must be tested once in a year.
- 4.2.3 Use correct lifting hooks, ensure they are load tested.
- 4.2.4 Avoid manual handling operations as far as possible to minimize the risk of injury.
- 4.2.5 Position the lifting hook over the load as to prevent the load swinging when it is raised.
- 4.2.6 Ensure only competent persons are allowed to operate cranes.
- 4.2.7 Crane operators must only take Instruction from designated rigger.
- 4.2.8 Crane should not be left unattended unless all loads have been removed.
- 4.2.9 Leather gloves should be worn when working with sharp materials or when handling rigging equipment.
- 4.2.10 Crane/Rigging equipment shall not be loaded in excess of its recommended safe working load.
- 4.2.11 All employees shall be kept clear of loads about to be lifted and of suspended loads. No employee shall be allowed under a suspended load.
- 4.2.12 The proper methods of securing the load, attaching the load to the hook, lifting the load, handling of the load during the movement of the load and lowering and placement of load should be used.

#### **4.3 Safety while working on height:**

Working at height means working on 1.8 meters or above height (i.e. working on platform, stage, scaffolding).

- 4.3.1 Before starting work ensure that the supervisor is available at site and he has got the work permit issued by the authorised person.
- 4.3.2 Use a sufficient supply of sound staging material and appliances for the construction of scaffolding.
- 4.3.3 All planks and other materials intended to be used for staging shall be carefully examined before being taken into use.



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- 4.3.4 The Contractor shall ensure the use of sufficiently strong scaffolding with sufficiently strong hand railings during the execution of the job.
- 4.3.5 The Contractor shall ensure the use of scaffoldings at construction site by his personnel working at height, fabricated as per standard drawing for scaffolding. If the scaffolding as per the standard drawing is not found suitable at site, the Contractor shall make necessary modification to strengthen the same.
- 4.3.6 All planks forming staging shall be securely fastened to prevent them from slipping.
- 4.3.7 All staging to be used in connection with the operation shall be inspected before use, and thereafter at regular intervals.
- 4.3.8 There should not be any gaps in the working platform.
- 4.3.9 Stages suspended by ropes or chains shall be secured as far as possible to prevent them from swinging.
- 4.3.10 Hand rails with mid rails at one meter and half meter height should be ensured for the working platform.
- 4.3.11 Access ladders shall be provided to reach the working platform.
- 4.3.12 All ladders must be provided with non-skid shoes.
- 4.3.13 Regular inspection of scaffolding and staging are to be carried out.
- 4.3.14 While working on such job every workman must wear Full Body Safety Harness.
- 4.3.15 For any civil engineering job, the Contractor will provide adequate support before casting or any superstructure and provide approach, scaffolding etc., in such a manner that is safe, easy for movement of men, women and materials.

#### **4.4 Hand Tools and Power Tools:**

- 4.4.1 Tools shall be manufactured from the best materials by reputed tool companies with confirming to and stamped by the relevant Indian or International Standards e.g. IS, DIN, EN-ISO, ANSI and CE.
- 4.4.2 All power hand tool like grinder, weld flux remover etc. used onboard or inside the workshop must be run on either 110V power supply or by compressed air.
- 4.4.3 All compressed air hose must have standard hose coupling for fittings.
- 4.4.4 Compressed air tools, while under pressure, must not be left unattended.
- 4.4.5 All connections to air tools shall be made secure before turning on air pressure.
- 4.4.6 When working at elevated location, all tools should be placed in tool box to prevent loose tools being dropped from the heights.



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- 4.4.7 Wooden shaft must be of correct size and securely fixed to the hammer head with fitting wedges. The face of hammers should be kept clean and in good condition (Not mushroomed).
- 4.4.8 A file must be used with proper handle fitting and to maintain files when clogged with filings clean out the teeth with a file card or fine wire brush.
- 4.4.9 When using a screwdriver, make sure that the blade fits the slot in the screw properly. Too large or too small a blade will damage the screw and not work efficiently.
- 4.4.10 Select the correct hacksaws blades to carried out work and blade should always be correctly tensioned in the frame. After use when the hacksaw is to be stored, the tension on the blade should be released.
- 4.4.11 Always select a spanner which exactly fits the nut or bolt head, never use packing pieces to make the spanner fit. Piece of pipe or similar device must not be placed over the end of spanners as extensions to increase the torque.
- 4.4.12 All electrical hand tools shall be of double insulated and fiber body type.
- 4.4.13 The RPM of grinding machine should be lower than the RPM of the grinding disk/wheel.
- 4.4.14 Do not use a portable power tool (such as saw, grinder and drill) unless its dangerous parts have been effectively guarded.
- 4.4.15 Electrical tools shall not be used where there is hazard of flammable vapours, gases, or dusts without a valid Hot Work Permit.
- 4.4.16 Do not use compressed air/Oxygen to clean off overalls or clothing.

### 5. Electrical Safety:

- 5.1 The Contractor shall engage qualified, experienced and competent electricians and other electrical personnel while working on electrical lines (which may be High Tension, Medium Tension and Low Tension electrical lines) for safe execution of Contract.
- 5.2 The electricians and other electrical personnel must possess requisite certificate issued from competent authority.
- 5.3 The Contractor shall ensure proper earthing of all electrical equipment/machinery prior to start of the machine.
- 5.4 The Contractor shall also ensure daily examination of the earthing of equipment/machinery prior to start of the job in order to avoid electrical hazards.
- 5.5 The Contractor shall ensure use of proper cable (may be welding cable or power cable or control cable). The joints of the cables shall be perfectly insulated.
- 5.6 The Contractor shall also ensure the use of proper plugs & sockets.
- 5.7 Use of rubber hand gloves during monsoon season is very essential.
- 5.8 Repair and routine maintenance of electrical equipment shall be carried out by trained and qualified electricians.

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5.9 In case of Electrical work contract, the contractor shall have valid electrical License issued by PWD or any Govt. organization or shall have a valid MOU with the licensed contractor.

5.10 For onboard work, only 110V AC supply will be provided.

### **8. Safety while Working on Fragile Roof and Pitched Roof:**

- 8.1 Do not step on any sheet without obtaining proper safety training.
- 8.2 Before starting work (i.e. before climbing on the access ladder) ensure that the supervisor is available at site and he has got the work permit issued by the authorised person.
- 8.3 Intimation shall be given to shop In-charge along with height permit, before going to roof of workshop.
- 8.4 Use suitable and sufficient access ladders, cat ladders, crawling boards, duck ladders etc. and fix them properly on the roof.
- 8.5 Use Full Body Safety Harness and anchor them properly with the anchorage points on the roof or to the lifeline available on roof or fall protection device.
- 8.6 Never step directly on any part of the roof. Always walk or step only on the ladders.
- 8.7 It is not safe anytime to walk on purlins. Do avoid it. Do not run on roof.
- 8.8 It is necessary to walk on ladders (and not on roof directly) while transporting these sheets on roof.
- 8.9 While working on the roof, ensure that no loose items are dropped down.
- 8.10 Always use suitable and strong ropes for taking sheets from ground to the roof.
- 8.11 Never leave any loose items (tools, cut sheets, broken sheets) on the roof after the work is over.
- 8.12 Never use any electrical equipment without proper earthing.
- 8.13 Ensure sufficient illumination while you are working on the fragile roof.

### **9. Safety while working in Confined Spaces:**

- 9.1 Before starting work ensure that the supervisor is available at site and he has got the work permit issued by the authorised person.
- 9.2 Prepare adequate emergency arrangements before the work starts.
- 9.3 Testing the air is necessary to check before starting the work that it is free from both toxic and flammable gas/vapours and that it is fit to breathe. Testing should be carried out by a competent person using a suitable gas detector which is correctly calibrated.
- 9.4 Proper ventilation arrangement should be made before starting the work.
- 9.5 Adequate light arrangement should be available.
- 9.6 Use only 110V power supply while working in confined space.
- 9.7 When work is being carried out in a confined space, another person should be assigned to outside the confined space to maintain communication with the worker inside. Sufficient number of rescue personnel should also be made available outside the confined space. These persons need to be properly trained in rescues, physically fit and readily available to carry out rescue tasks, and capable of using any rescue tools.



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### 10. Safety while Blasting and Painting Operations:

- 10.1 Suitable blasting suits and hoods with coolant tube shall be used while carrying out blasting operations.
- 10.2 Immediate removal of spillage. Good housekeeping standards must be maintained at all times.
- 10.3 The contractor shall ensure that paint handed over to it for usage is safely stored in a suitable container.
- 10.4 Never allow Naked flames - matches - cigarettes -in the same area where paint is being applied or stored.
- 10.5 Airless spray must always be earthed as static electricity can develop within the system and be the cause of explosion.
- 10.6 All couplings must be of a close fit, especially on high pressure equipment. Replace damaged hoses.
- 10.7 The contractor shall ensure that its personnel have minimum contact of paint with skin.
- 10.8 Hand Gloves, Safety Shoes and eye protection must always be worn during work.
- 10.9 Usage of a suitable barrier cream on exposed skin must be considered.
- 10.10 Air fed hood/mask or respirator in confined spaces must be used.
- 10.11 Safe access and adequate lighting must be ensured.
- 10.12 Blasting proof, light and portable lamps shall be provided for the blasting operations inside of tanks and compartments.
- 10.13 The area where blasting or painting is being carried out must be provided with proper, visible safety barriers or signs.
- 10.14 Tarpaulins and other coverings should be used to cover dry dock channels / pump pits, compressor house, nearby electrical installation, machines and equipment which may otherwise be affected by blasting or painting operations.
- 10.15 Cleaning of the slipway, dry-dock, surrounding areas, machines and equipments, etc. of dust immediately after blasting has taken place.
- 10.16 Removal of spent/excess and reusable grits and empty paint drums.

### 11. Safety at Civil Construction Sites

- 11.1 The rock blaster should be a qualified and competent person for carrying out blasting work.
- 11.2 Before blasting, sufficient warning should be given to enable the people working in the area to get off the danger zone at least 10 minutes before the blasting starts.
- 11.3 Care should be taken that the blasting point is free of detonating gas, inflammable objects, sparking or damage wiring system, stray currents.
- 11.4 Underground utilities (such as water pipelines, sewers, gas mains, electrical conduit system) should be located and protected, wherever necessary, before the start of excavation.

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- 11.5 Measures should be taken to prevent persons who are not engaged in excavation work, from approaching excavation areas by placing warning signals, barricades etc. near the site of the excavation.
- 11.6 Excavated material should not be dumped within 1.5 m of the edges or half of the depth of the trench whichever is more.
- 11.7 Shoring (supporting the sides of the trench) and/or proper slopes to the trench walls should be provided.
- 11.8 Ladder access at suitable intervals with proper support in the trench should be provided and ladder should extend above the ground level.
- 11.9 Dewatering provisions should be considered while excavating a trench near a water body.
- 11.10 Temporary electrical connections provided in the trench area should be in compliance to the requirements of the Indian Electricity Act, Rules and Regulations.
- 11.11 Proper barricading of trenches with warning signals should be provided.
- 11.12 At all approaches and exits of the sites of excavations, danger and warning signals should be placed.
- 11.13 Excavation area should be adequately lighted for night work.
- 11.14 Test for oxygen level inside the shaft before start of work every day.
- 11.15 Effective communication system between the ground staff & the persons working in the shaft should always be there to ensure safe working environment.
- 11.16 The excavated material should be dumped sufficiently away from the edge of the excavated pit to avoid the excavated material slipping and falling into the pit.
- 11.17 Guard rails should be fitted to the working platform and should be secured to prevent their outward movement. The platform should be strong enough to bear the loads of workmen & materials.
- 11.18 Persons should not be allowed to work under the scaffold and if at all it is necessary to carry out work, then safety net should be provided to arrest the fall of materials & tools.
- 11.19 Safe access should be provided to the structures under erection.
- 11.20 Structures/ platforms should not have openings uncovered/unbarricaded.
- 11.21 Working under the structure should be prevented and if at all it is necessary to carry out work, then safety net should be used to arrest the fall of materials & tools.
- 11.22 In order to avoid the workers from being in contact with the moving parts of machinery such as conveyors, screens etc. machine guarding should be provided.
- 11.23 Health hazard from cement dust or wet cement should be controlled by avoiding engagement of workers in dusty areas and ensuring usage of PPEs especially filter respirators, goggles, gloves and boots.
- 11.24 When workmen are working/cleaning the inside of the drum of mixer, the power of mixer should be switched off and "Do not operate" tag should be provided.
- 11.25 Every opening in the floor of a building should be provided with suitable fencing/railing of one-meter height on all exposed sides with toe guard of 15 cm vertical height. Where barricades cannot be installed, safety net should be installed close to the level at which there is a danger of a fall.
- 11.26 All temporary wiring should be installed and supervised by a competent electrician.



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- 11.27 Adequate protection should be provided for all electrical wiring laid on floor which may be crossed over by construction machinery or by the workmen.
- 11.28 Suitable warning signs should remain displayed at conspicuous places to alert the workers of the potential dangers and to protect them from the risks of electrical accidents.
- 11.29 All necessary rescue equipment such as life buoys and life jackets should be provided and kept available for use at any time while working in and around water bodies.
- 11.30 Dispose all wastes, and unwanted materials must be disposed of at a designated place.
- 11.31 Do not leave planks with nails on passageways.

*Apurva*

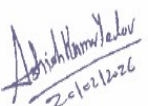

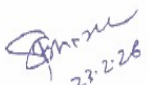


# MAZAGON DOCK SHIPBUILDERS LIMITED, MUMBAI

## Enclosure:- 11

	<b>MAZAGON DOCK SHIPBUILDERS LTD,</b> (A Govt. of India Undertaking) Dockyard Road, Mumbai - 400010.	<b>SB-MAINTENANCE DEPT.</b>	Ref. No.	Capital/EMS
			DATE	20.02.2026
			Version	3
			PAGE NO.	Page 1 of 14

### Scope of Work for Design, Supply, Installation, Testing & Commissioning of Energy Monitoring System in MDL.

Prepared By	Checked By	
 20/02/2026 <b>Ashish Kumar Yadav</b> AM(SB-Maintenance)	 20/02/2026 <b>P.M. Sawant</b> CM(SB-Maintenance)	 23/2/26 <b>SD Bhendarkar</b> DGM(SB-Maintenance)



# MAZAGON DOCK SHIPBUILDERS LIMITED, MUMBAI



**MAZAGON DOCK SHIPBUILDERS LTD,**  
(A Govt. of India Undertaking)  
Dockyard Road, Mumbai - 400010.

SB-MAINTENANCE DEPT.

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**A. Project:** Design, Supply, Installation, Testing & Commissioning of Energy Monitoring System for Electrical Distribution Feeders and energy generation in Solar Power plants (SPP) in MDL.

This project includes energy monitoring & management, Diagnostics, graphical representation and detailed Energy Analytics System for 8 Substations which includes 52 HT and 137 LT Feeders, 13 Solar at the Mazagon Dock Shipbuilders Ltd. under the Industry 4.0.

**B. Objective:** As a step toward Digital vision and Industry 4.0, the Mazagon Dock Shipbuilders Ltd (MDL), plans to install Energy Monitoring System and Management, Diagnostics and detailed Energy Analytics System for 52 HT and 137 LT Feeders and 13 Solar Panel installations spread-out across the plant. The objective of this work is to design, supply, install and commission the advanced monitoring system with a dedicated hardwired (Fibre Optic Cable) network with in house server.

The site includes 52 HT and 137 LT Feeders and 13 Solar Installations spread-out across the MDL plant at various substation locations listed below (Table 1):

Sr No	Yard	Sub Station	HT (VCB)	LT (ACB)
1	North Yard	P & O Substation	11	21
2		KASARA	6	29
3	South Yard	SS-1	6	14
4		SS-2	5	23
5		SS-A	8	6
6		SS-B	5	11
7		SS-C	5	7
8	AY	ALCOCK	6	26
		<b>SUB Total</b>	<b>52</b>	<b>137</b>
9	Solar Power Plant	Rooftop Solar Plants		9
10		Proposed Solar Plants		4
		<b>Total Qty</b>	<b>202</b>	



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### Solar Power Plant:

Sr No.	Solar power Plants at MDL	Capacity Installed
1	Solar Power Plant-at MDL SB-Pipe Shop rooftop	90 kWp
2	Solar Power Plant-at MDL EY-Pipe Shop	191 kWp
3	Solar Power Plant-P&A Shop rooftop	67 kWp
4	Solar Power Plant-Bond Store rooftop	42 kWp
5	Solar Power Plant-at MDL Submarine Workshop Alcock Yard	350 kWp
6	Solar Power Plant-at MDL SB-Sheet metal shop rooftop	100 kWp
7	Solar Power Plant-at MDL Cradle Assembly Shop & EY Store Building terrace	200 kWp
8	Solar Power Plant-at MDL NY Assembly Shop and FOB Shop rooftop	280 kWp
9	Solar Power Plant - at MDL FOB Shop rooftop	80 kWp

### The Proposed Solar Plants:

For proposed solar power plants the vendor shall lay the communication cable up to the point of proposed solar plants and supply all the auxiliary equipment's. The installation of these solar power plants are been done by NVVNL under PMSJY scheme. The locations of proposed solar power plants as follows,

Sr.No.	Solar Power Plants Locations	Proposed Solar Power Plants Capacity
1.	Fitting Shop	200 kW
2.	Workshop B	250 kW
3.	Workshop C	300 kW
4.	P&A Shop	625 kW

**Note:** 1) The designing of this system in such a way that there should be provision of addition of new systems and feeders.

2) While installation of EMS system at MDL locations the existing system should not be disrupted, the planed shut down will be provided if required.

The Energy monitoring and management system shall comprise of the Feeder and Solar Power Plant (SPP) energy generation monitoring sensors that gather various critical system parameters including electrical signatures for **Energy Flow Chart or Single Line Diagram with energy data, 3phase voltage, current, power factor, active power, reactive power, harmonics & harmonic distortion (For incomers only), cumulative energy consumption and generation from the identified feeders and solar power plant, Peak Demand.** All sensor data shall be sent to a secure On-Prem in house Server based analytics engine using a wired (Optical Fiber Cable) mesh Network infrastructure, to be designed, installed and commissioned by the supplier. The On-Prem based analytics application shall provide real-time monitoring, diagnostics, trending and predictions of feeder and SPP generation data through user-friendly dashboards. So that the MDL official can view and



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manage the complete system including Feeders, Solar Installations in one application on 1Nos of PC and 55inch monitor screen near server location. The Vendor shall supply and install CTs (Current Transformers) if they are not available in Feeder's locations and Solar Power Plant (SPP) locations. The vendor shall supply, install and commission all required materials for the Feeder Health Monitoring & Management, Diagnostics and detailed Energy Analytics System and secure Wired (Optical fibre and RS485 supporting cable) network, and install and carry out tests and trials, and commission the system to the satisfaction of the MDL.

Vendor shall provide the EMS (Energy Monitoring System) as per below concept architecture below:

### **C. The scope of work and technical specification of the system is detailed under:**

#### **1. Sensor hardware scope:**

- 1.1 Supply of 202 Feeder Health Monitoring & Management, Diagnostics and detailed Energy Analytics sensors to the MDL for identified Substation's feeders and Solar Installations across the MDL Plant.
- 1.2 The Feeder sensors shall consist of built-in wide band of sensing elements to monitor real-time signatures for Energy Flow Chart, 3phase voltage, current, power factor, active power, reactive power, harmonics & harmonic distortion (For incomers only), cumulative energy consumption and generation from the identified feeders and solar power plant.
- 1.3 Sensors should be mounted in existing feeder panels in already available cut-outs. In case, any particular panel doesn't have an available cut-out, the Vendor to provide a standalone panel enclosure to hang either on the of existing panel or on the neighbouring wall after discussion with MDL.
- 1.4 The feeder sensors shall be externally powered using 1-phase 230V AC available in the existing feeder panels. The 230 V AC supply will be provided by MDL.
- 1.5 The vendor shall supply and install necessary power supply unit and cables for the sensors in standalone enclosures, if there is no room in the feeder panels. Vendor to confirm this with MDL official.
- 1.6 The housing of the sensor shall be IP56 rated and shall withstand indoor industrial environment conditions.
- 1.7 The Feeder Monitoring sensor shall support input nominal current of 1A or 5A from a CT with a range of 1% to 120% of the nominal values or these ratings should be according to existing system.
- 1.8 The Feeder Monitoring sensor shall support input Power Factor from 0.5 Lag to Unity to 0.5 Lead.
- 1.9 The Feeder Monitoring sensor shall provide True RMS values of all power and energy parameters and shall support the Class 1.0 IEC 62053-21 accuracy or latest IEC code.



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1.10 The Feeder Monitoring sensor shall provide Measurement Category III, Pollution Degree 2 as per EN61010-1 First Edition or latest edition; and suitable for ambient Temperature of 0-50 deg C, RH < 95% non-condensing.

1.11 The Feeder Sensors shall be compatible with the following connectivity types:

- RS485 Modbus RTU connectivity with optical cable, for daisy chained networks. Vendor shall provide solution keeping in mind the existing distances between the substations and solar locations.

1.12 The Feeder Sensors shall have the capability to send data to the On-Prem Server located at the MDL premises per the configurable Data Publish rate.

1.13 Primary and secondary backup for server with auto switching (Redundancy auto Backup).

1.14 The Smart sensors shall have the capability to automatically detect increase in sensing parameters as per relevant industry standards.

1.15 Vendor has to do cable laying from sensor to the server and if required **civil work needs to done by Vendor.**

1.16 All the sensors should be mounted in side panel on the nearest wall for each location specified in Table 1.

## 2 On-Prem Software/Dashboard Scope:

2.1 The vendor shall provide the Feeder Monitoring & Management, Diagnostics and detailed Energy Analytics software for MDL. The program should not cost any subscription fee at any point of time. All the programs and systems must be Open Protocol and Software configuration shall be user friendly.

2.2 Data transfer from device to On-Prem Server shall be encrypted.

2.3 Application shall be designed to use proxy and reverse proxy to hide the identity of the processing servers and ports.

### Note:

Forward and Reverse proxy servers are used for selective sending and receiving of requests from client devices to server, to log and monitor requests and to cache responses.


2.4 Secure authenticated access shall be given to authorized MDL users only to access the data and analytics dashboard.

2.5 The entire system to provide the Monitoring, Diagnostics and Predictions for the MDL Feeders and solar assets shall be hosted on an On-Prem server-based solution.

2.6 Real time signal signatures for the Energy Flow Chart (SLD), 3phase voltage, current, power factor, active power, reactive power, harmonics & harmonic distortion (For incomers only) cumulative energy consumption and generation from the identified feeders and solar power plant sensors shall be made available on the MDL Dashboard.



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2.7 All data shall be displayed on user friendly gauges and graphs, for an easy visualization by the MDL team.

2.8 The Monitoring Dashboard shall have the capability to display operational parameters of the overall system including the Feeders, Solar Panels and Machine such as:

- Rated, estimated & actual data of equipment's.
- Number of ON and OFF (Tripping) of the feeders since installation of EMS system.
- Number of ON and OFF (interruptions) of Connectivity solution since installation of EMS system.
- Live operating Line Frequency.
- Feeder Utilization and Runtime in 24 Hours window.
- Service Status and Service due date.
- Energy Flow Chart.
- Live 3phase Voltages, and Voltage Unbalance.
- Live 3phase Currents, and Current Unbalance.
- Live Power Factor and System Frequency.
- Yard Wise, Solar Power Generation and Individual Feeder Level Live Energy (Daily, Monthly and Yearly).
- Yard Wise, Solar Power Generation and Individual Feeder Level Live Energy Cost (Daily, Monthly and Yearly).
- Total MDL Level Live Carbon Footprint equivalent (Daily, Monthly and Yearly).
- Yard Level and Individual Feeder Level Live Power Factor (Daily, Monthly and Yearly).
- Yard Level Power Events – Power Factor Dips, Voltage Dips (Daily, Monthly and Yearly).
- Live total energy Consumed by individual Feeder and Yard level and overall MDL.
- Live total energy produced by individual Solar Installations and cumulative energy produced.
- Live Voltage, Current and Energy from the Solar Sites.



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▪ MDL Level Live Active Peak Demand and Reactive Peak Demand.

▪ Live % Total Harmonic Distortion on all 3 phases (on incomers).

**Note:** While designing EMS Dashboard vendor has to discussed all the options of display of parameters in Dashboard and Vendor has to take approval from MDL for EMS dashboard design.

2.9 The On-Prem server-based application for Feeders and Solar Panel installations shall have the capability to automatically detect sudden or gradual variations in the monitoring parameters and provide an Alert to the MDL Users accordingly.

2.10 The On-Prem server based Alert system shall be configurable to provide alerts based on Events or lapsed Time.

2.11 All the feeders shall have unique names and all the names should be configurable.

2.12 The Alerts shall be issued for the following conditions of the overall system:

- The system shall alert the MDL user on detecting fault health condition of the monitored feeders.
- The alert system shall issue an alert upon detecting voltage unbalance, current unbalance, Power Factor dip, Frequency dip, Total Harmonic Distortion increase, Cumulative Energy Usage increase, and Peak Demand increase.
- The threshold settings for all feeder's parameters shall be configurable.
- The Alerts of All Feeders Health Status based on performed diagnostics and predictions shall be sent on provided PC.
- The Application shall be capable of generating Real Time Asset Health Reports in PDF format automatically and on-demand, showing all sensor data, diagnostics and feeder health-based data (Daily, Monthly and Yearly).
- The On-Prem Feeder and Machine Monitoring, Diagnostics and detailed dashboard system shall be capable of representing the MDL assets with multiple sensor devices as a "system".
- The Dashboard shall provide a provision for an audit trail report for the change in settings for sensor thresholds or any other critical parameters for the system operation.

### **3 Hardwired Network Scope:**

3.1 Supplier shall survey and design suitable outdoor Hardwired network to support connectivity for all 202 feeder monitoring sensors spread-out across different locations and solar power plants.



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- 3.2 ALL Civil work, cable laying and any other work which is important for execution of this project is in the scope of supplier.
- 3.3 The Supplier shall use the hardwired connectivity as much as possible to prevent any wireless intrusions.
- 3.4 Supplier shall provide the hardwired with below network architecture only.
- 3.5 Supplier shall design the wired connection in such a way that includes all Feeder sensors and Solar Installation Sensors. This system should be design in such a way that if required additional Feeder sensors and Solar Installation Sensors can be connected with this system.
- 3.6 Supplier shall provide outdoor rated industrial grade access points and other communication equipment as needed.
- 3.7 Access points enclosure shall be Outdoor UV Stabilized Plastic with compatible for operating under humidity from 5 to 95% and Non-Condensing ESD (Electrostatic Discharge)/EMP (Electromagnetic Pulse) Protection.
- 3.8 Access points shall withstand outdoor temperature up to 80 deg Celsius.
- 3.9 Supplier shall provide outdoor rated Omni-directional antenna **if required**.
- 3.10 Supplier shall provide a fire-wall gateway/controller with high firewall.
- 3.11 Required IP address and ports shall be whitelisted on the firewall for secure communication of devices to IoT On-Prem application if required.
- 3.12 Access to firewall shall remain on-premises only.
- 3.13 Supplier shall provide a single controller to manage all networking devices such as Antennas, Access-Points and Firewall Gateway.
- 3.14 Supplier shall provide a surge protector to protect the devices from any external surges from environmental conditions.
- 3.15 Centralised logging system shall be provided for all networking devices to capture logs of Access Points, antennas (If needed), firewall & controllers.
- 3.16 A suitable 6U wall mount rack cabinet shall be provided at the HUB location to store and protect the required routers and controller.
- 3.17 **Supplier has to design and submit proposed design architecture along with bid.**
- 3.18 Suitable locations for installing all components of systems shall be designed and architecture shall be submitted along with bid.
- 3.19 The 230V single phase power supply for all required locations for system components shall be provided by MDL if required.
- 3.20 Remotely accessing/repairing/upgradation of the system is not allowed. Technician has to visit MDL for all such activities during warranty period.
- 3.21 Route of Optical Fiber Cable should locate in MDL map.



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**4. Civil & Fabrication Work:** All the Civil & Fabrication work is in vendors scope if it is required to complete the project. The digging depth at least 1 Feet and width should be at least 0.5 feet.

**5. Cable Laying:** All the cable laying is in vendors scope for completion of project. All the cables should lay properly and complying all technical specifications.


## **D. GENERAL INSTRUCTIONS:**

### **1. TECHNICAL SCOPE**

- 1.1 The Vendor shall work onsite i.e., in MDL premises.
- 1.2 Vendor has to give the presentation of the proposed solution at MDL premises at the time of tender scrutiny period if asked by MDL.
- 1.3 MDL executive may visit one site visit per OEM to verify the similar installation. Bidder to co-ordinate with the site owner for necessary permissions.
- 1.4 Vendor has to implement features available in products in the proposed EOT system as per MDL's requirement.
- 1.5 The Vendor shall configure the policies for proposed solution as per MDL's requirement.
- 1.6 The solution should cover various reports and alerts in the systems as per MDL's requirement.
- 1.7 The Vendor to include and indicate at the time of bidding, hardware, software or accessories other than mentioned in SoW which is required for the proposed solution.
- 1.8 No Express/evaluation/ free versions of the any software to be quoted as part of the solution.
- 1.9 Being a turnkey project any additional hardware, software, accessories deemed necessary for successful commissioning of the project should be added in the bid of offer. After placement of PO there will be no changes to PO with respect to requirement as mentioned above. In case of requirement mentioned as above it should be provided by bidder without any additional cost to MDL.
- 1.10 Compatibility: Vendor shall ensure that offered items are compatible with each other and will work as desired in this tender.
- 1.11 All solutions required for this tender like router, Gateway, Access Point, Network Switches, Routers, Firewall, Software etc are to be installed in the proposed hardware.



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1.12 If there is any extra work needs to be done to complete the project successfully vendor needs to be done that also.

## **2. Equipment for proposed Monitoring and detailed Maintenance System**

- 2.1 The equipment's required Monitoring and detailed Maintenance solution shall be provided by bidder. Its licenses & registration shall be on MDL name.
- 2.2 The bidder to supply software licenses and any other software components required for the commissioning of proposed solution.
- 2.3 Bidder to supply the required patch chords & power supply cables required for the proposed solutions along with the Hardware.
- 2.4 All the software licenses and any other software components required for the commissioning of proposed solution should be only one time chargeable at the time of installation and commissioning only. There should not be any repetitive subscription charges. All the charges will be under vendor's scope.

## **3. Project Plan for Implementation**

- 3.1 The proposed solution has to be completely implemented as per MDL's requirement within 6 Months from the placement of purchase order.
  - a) All Equipment & Software shall be under 5 years onsite comprehensive warranty from the date of Installation and commissioning.
  - b) Engineer to visit onsite for support & service on call/need basis for 5 years.
- 3.2 The Selected Bidder should provide the detailed Project Implementation plan within 10 Days from the date of purchase order. Implementation plan that comprises of the following:
  - a) Project Implementation timelines
  - b) Project Team Composition – Project Team must comprise of Project Manager, who will act as an intermediary between Bidder and MDL.
  - c) Escalation Matrix
- 3.3 The Bidder to provide Post Implementation Support Plan to capture the details of the support framework that Bidder is proposing to meet the desired objectives and the SLA Matrix.
- 3.4 **Configuration:** Bidder to Configure the system as per the requirements of the MDL without any additional cost to the MDL. Customization of the solution would be treated as complete on successful User Acceptance Test. The MDL team shall be included in the process so that they are able to understand the details of the system and process.

### **E) Delivery:**



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Complete project shall be complete in respect and up to the satisfaction of MDL within 6 Months from the date of placement of order.

## **F) Other Terms and Conditions:**

- i. Supplier workmen shall follow Safety and Security procedures of MDL.
- ii. Making of entry passes with PVR is in the scope of supplier.
- iii. Vendor needs to follow all security and safety instructions of MDL.
- iv. Bidder shall provide catalogues for all necessary network/Wi-Fi components.
- v. Supplier shall provide training to MDL personnel.

## **G) Warranty**

The vendor shall have final and total single point responsibility for the design and performance of the Energy monitoring system and all components supplied under this specification.

The supplier shall


- a. Warrant that the Energy monitoring system and all materials to be free from defects in design, material and workmanship.
- b. Warrant that the Energy monitoring system will satisfy the requirements of the intended use and be suitable for the application.
- c. Agree to repair or replace any component under this warranty, which proves to be defective within **60 months'** after Commissioning of the Energy monitoring system.
- d. Assume responsibility for obtaining manufacturer's performance warranty for all items purchased by the supplier.

## **H) Training**

The Bidder shall provide detailed training on Equipment & software provided under this tender. Training will have to be provided at MDL's premises as follows.  
Hardware configuration & Operation, Software operation.



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## I) Submittals

- Bidder shall submit time-line and responsibility matrix.
- Design, Network & infrastructure diagram.
- Project implementation plan.
- Presentation of proposed solution with architecture of solution.
- The System Integrators (SI), including Original Equipment Manufacturers (OEM) will be required to submit a written undertaking, explicitly stating their commitment and liability to provide full technical Support, spares, operational and maintenance support to the MDL for the entire contract period and warranty period.
- Any other hardware / software required for proposed solution.
- If MDL has to signed any end user license agreement or any other agreement, Vendor has to inform MDL 15 Days prior.
- Vendor has to provide backup of all software's used in this project.
- Vendor has to provide list of probable spares used in this EMS system project.


**Note:** The vendor needs to submit all the above documents after the placement of order.

## J) Documentation & Reports

- Licenses of Software should be for unlimited time.
- Implementation procedure / guide.
- Standard Operating Procedure SOP for entire setup like start & stop equipment, software etc.
- Screen shots of all step-by-step installation of proposed solution.
- Administrator and user Operational Manual / Guide
- Entire set up Architecture diagram



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- Escalation matrix of OEM / System Integrator
- Reports as per the MDL's requirement as and when required during the contract period.

### K) MDL's scope includes the following activities

MDL shall provide,

- Site for installation of Gateway Devices, access points, if needed.
- Provision of uninterruptable power supply with environmental protection as per MDL standards (for sensors as well as communication equipment).

Note: All other required materials / machinery / spares / equipment / consumables are to be arranged by Vendor.

### L) Project Timelines:

Complete implementation of solution.	D1=(D + 6 Months)
Warranty period	D2=(**D1 + 60 Months)
D – Date of Placement of order.	
D1 – Date of Installation and commissioning.	



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**M) Site Visit declaration:**

**BIDDER DECLARATION FOR SITE VISIT**

To,  
Mazagon Dock Shipbuilders Ltd.,  
Dockyard Road, Mumbai - 400010.

Ref: Tender No: \_\_\_\_\_ Dated \_\_\_\_\_ /20\_\_

**Item Description:** Design, Supply, Installation, Testing & Commissioning of Energy Monitoring System for Electrical Distribution Feeders and energy generation in Solar Power plants (SPP) in MDL.

We have visited the installation site at MDL on \_\_\_\_\_ (Date) to survey the site and understand the scope.

We hereby confirm that we have understood the Scope of Supply, Scope of Work and other requirements given in the tender for, Design, Supply, Installation, Testing & Commissioning of Energy Monitoring System for Electrical Distribution Feeders and energy generation in Solar Power plants (SPP) in MDL.

COMPANY NAME \_\_\_\_\_  
SIGNATURE \_\_\_\_\_  
NAME: \_\_\_\_\_  
DISIGNATION: \_\_\_\_\_  
DATE: \_\_\_\_\_

(To be submitted along with the Technical Bid, by the Bidder on their Company's Letter head, duly signed by Authorized Signatory with Company Seal & Date)



**MAZAGON DOCK SHIPBUILDERS LIMITED, MUMBAI**

**Enclosure:- 12**

**BIDDER DECLARATION FOR SITE VISIT**

To,

**Mazagon Dock Shipbuilders Ltd.,**

**Dockyard Road, Mumbai- 400 010.**

**Ref: Tender No.:** \_\_\_\_\_ **Dated** \_\_\_\_\_ **/20**\_\_

**Item Description:** - Design, Supply, Installation, Testing and commissioning of Energy Monitoring System for Electrical Distribution Feeders and energy generation in Solar Power Plants (SPP) in MDL.

We have visited the installation site at MDL on \_\_\_\_\_(date) to survey the site and understand the scope.

We hereby confirm that we have understood the Scope of Supply, Scope of Work and other requirements given in the tender for Supply, Installation, Testing and commissioning of Energy Monitoring System for Electrical Distribution Feeders and energy generation in Solar Power Plants (SPP) in MDL

COMPANY NAME \_\_\_\_\_

SIGNATURE \_\_\_\_\_

NAME: \_\_\_\_\_

DISIGNATION: \_\_\_\_\_

DATE: \_\_\_\_\_

**Counter signed by MDL Officer:**

Signature: \_\_\_\_\_

Stamp:

Date: \_\_\_\_\_

## Corrigendum -2

Sr. No.	SOW Para No.	Existing para-Description	Updated Para Description
1	3.9	Supplier shall provide outdoor rated Omni-directional antenna if required	Delete para 3.9 of SOW
2	3.13	Supplier shall provide single controller to manage all networking devices such as Antennas, Access-points and Firewall Gateway	Delete para 3.13 of SOW
3	3.15	Centralized logging system shall be provided for all networking devices to capture logs of access points, antennas (if needed), firewall & controllers.	Centralized logging system shall be provided for all networking devices to capture logs of access points.