

Corrigendum-I to GeM Tender No.: GEM/2026/B/7072213 dtd. 14.01.2026

Description: Supply of LAN System and Crypto PC for Yard: 16501 to 16514 (14 FPVs) Ships of Indian Coast Guard as per TSP. no: 5029 rev 06 dated 01.12.2025.

Sl.No.	TSP Clause No.	Original Clause	Modified clause
1	Section II, Para 3.2 (9)	9) The server Rack and Battery backups are to be housed separately in two different compartments. The distance between Integrated UPS and Battery Rack to be catered accordingly by supplier.	9) The server Rack and Battery backups are to be housed separately in two different compartments. The distance between Integrated UPS and Battery Rack to be catered accordingly by supplier. The approximate distance between server Rack and Battery backup is 10M

Technical Specifications for Supply of LAN System and Crypto PC for Yard: 16501 to 16514
(14 FPVs) Ships of Indian Coast Guard as per TSP. no: 5029 rev 06 dated 01.12.2026.

Sr. No.	Item description	Yard No.	Qty.	Unit
1	Supply of Main Equipment of LAN & Crypto PC as per TSP	16501	1	SET
2	Supply of Installation Material for LAN & Crypto PC including Cables & other accessories.	16501	1	SET
3	OBS (On-board Spares) for Lan & Crypto PC	16501	1	SET
4	Documentation of LAN System as per TSP	16501	1	SET
5	Connectorisation, Installation & Ops Checks.	16501	1	AU
6	Training of LAN System & Crypto PC with Biometric Kit.	16501	1	AU
7	Supply of Main Equipment of LAN & Crypto PC as per TSP	16502	1	SET
8	Supply of Installation Material for LAN & Crypto PC including Cables & other accessories.	16502	1	SET
9	OBS (On-board Spares) for Lan & Crypto PC	16502	1	SET
10	Documentation of LAN System as per TSP	16502	1	SET
11	Connectorisation, Installation & Ops Checks.	16502	1	AU
12	Training of LAN System & Crypto PC with Biometric Kit.	16502	1	AU
13	Supply of Main Equipment of LAN & Crypto PC as per TSP	16503	1	SET
14	Supply of Installation Material for LAN & Crypto PC including Cables & other accessories.	16503	1	SET
15	OBS (On-board Spares) for Lan & Crypto PC	16503	1	SET
16	Documentation of LAN System as per TSP	16503	1	SET
17	Connectorisation, Installation & Ops Checks.	16503	1	AU
18	Training of LAN System & Crypto PC with Biometric Kit.	16503	1	AU
19	Supply of Main Equipment of LAN & Crypto PC as per TSP	16504	1	SET
20	Supply of Installation Material for LAN & Crypto PC including Cables & other accessories.	16504	1	SET
21	OBS (On-board Spares) for Lan & Crypto PC	16504	1	SET
22	Documentation of LAN System as per TSP	16504	1	SET
23	Connectorisation, Installation & Ops Checks.	16504	1	AU
24	Training of LAN System & Crypto PC with Biometric Kit.	16504	1	AU
25	Supply of Main Equipment of LAN & Crypto PC as per TSP	16505	1	SET
26	Supply of Installation Material for LAN & Crypto PC including Cables & other accessories.	16505	1	SET
27	OBS (On-board Spares) for Lan & Crypto PC	16505	1	SET
28	Documentation of LAN System as per TSP	16505	1	SET
29	Connectorisation, Installation & Ops Checks.	16505	1	AU
30	Training of LAN System & Crypto PC with Biometric Kit.	16505	1	AU
31	Supply of Main Equipment of LAN & Crypto PC as per TSP	16506	1	SET
32	Supply of Installation Material for LAN & Crypto PC including Cables & other accessories.	16506	1	SET
33	OBS (On-board Spares) for Lan & Crypto PC	16506	1	SET
34	Documentation of LAN System as per TSP	16506	1	SET
35	Connectorisation, Installation & Ops Checks.	16506	1	AU
36	Training of LAN System & Crypto PC with Biometric Kit.	16506	1	AU
37	Supply of Main Equipment of LAN & Crypto PC as per TSP	16507	1	SET
38	Supply of Installation Material for LAN & Crypto PC including Cables & other accessories.	16507	1	SET
39	OBS (On-board Spares) for Lan & Crypto PC	16507	1	SET
40	Documentation of LAN System as per TSP	16507	1	SET
41	Connectorisation, Installation & Ops Checks.	16507	1	AU

42	Training of LAN System & Crypto PC with Biometric Kit.	16507	1	AU
43	Supply of Main Equipment of LAN & Crypto PC as per TSP	16508	1	SET
44	Supply of Installation Material for LAN & Crypto PC including Cables & other accessories.	16508	1	SET
45	OBS (On-board Spares) for Lan & Crypto PC	16508	1	SET
46	Documentation of LAN System as per TSP	16508	1	SET
47	Connectorisation, Installation & Ops Checks.	16508	1	AU
48	Training of LAN System & Crypto PC with Biometric Kit.	16508	1	AU
49	Supply of Main Equipment of LAN & Crypto PC as per TSP	16509	1	SET
50	Supply of Installation Material for LAN & Crypto PC including Cables & other accessories.	16509	1	SET
51	OBS (On-board Spares) for Lan & Crypto PC	16509	1	SET
52	Documentation of LAN System as per TSP	16509	1	SET
53	Connectorisation, Installation & Ops Checks.	16509	1	AU
54	Training of LAN System & Crypto PC with Biometric Kit.	16509	1	AU
55	Supply of Main Equipment of LAN & Crypto PC as per TSP	16510	1	SET
56	Supply of Installation Material for LAN & Crypto PC including Cables & other accessories.	16510	1	SET
57	OBS (On-board Spares) for Lan & Crypto PC	16510	1	SET
58	Documentation of LAN System as per TSP	16510	1	SET
59	Connectorisation, Installation & Ops Checks.	16510	1	AU
60	Training of LAN System & Crypto PC with Biometric Kit.	16510	1	AU
61	Supply of Main Equipment of LAN & Crypto PC as per TSP	16511	1	SET
62	Supply of Installation Material for LAN & Crypto PC including Cables & other accessories.	16511	1	SET
63	OBS (On-board Spares) for Lan & Crypto PC	16511	1	SET
64	Documentation of LAN System as per TSP	16511	1	SET
65	Connectorisation, Installation & Ops Checks.	16511	1	AU
66	Training of LAN System & Crypto PC with Biometric Kit.	16511	1	AU
67	Supply of Main Equipment of LAN & Crypto PC as per TSP	16512	1	SET
68	Supply of Installation Material for LAN & Crypto PC including Cables & other accessories.	16512	1	SET
69	OBS (On-board Spares) for Lan & Crypto PC	16512	1	SET
70	Documentation of LAN System as per TSP	16512	1	SET
71	Connectorisation, Installation & Ops Checks.	16512	1	AU
72	Training of LAN System & Crypto PC with Biometric Kit.	16512	1	AU
73	Supply of Main Equipment of LAN & Crypto PC as per TSP	16513	1	SET
74	Supply of Installation Material for LAN & Crypto PC including Cables & other accessories.	16513	1	SET
75	OBS (On-board Spares) for Lan & Crypto PC	16513	1	SET
76	Documentation of LAN System as per TSP	16513	1	SET
77	Connectorisation, Installation & Ops Checks.	16513	1	AU
78	Training of LAN System & Crypto PC with Biometric Kit.	16513	1	AU
79	Supply of Main Equipment of LAN & Crypto PC as per TSP	16514	1	SET
80	Supply of Installation Material for LAN & Crypto PC including Cables & other accessories.	16514	1	SET
81	OBS (On-board Spares) for Lan & Crypto PC	16514	1	SET
82	Documentation of LAN System as per TSP	16514	1	SET
83	Connectorisation, Installation & Ops Checks.	16514	1	AU
84	Training of LAN System & Crypto PC with Biometric Kit.	16514	1	AU



Additional Tender Terms & Conditions

I. DESCRIPTION & SCOPE OF WORK:

- (a) **MAIN EQUIPMENT/ITEM/SYSTEM:** Supply of LAN System and Crypto PC for Yard: 16501 to 16514 (14 FPVs) Ships of Indian Coast Guard as per TSP. no: 5029 rev 06 dated 01.12.2025.
- (b) **APPLICABLE SPECIFICATION:** SOTR/TSP No. 5029 rev 06 dated 01.12.2025 for Yard 16501 to 16514 of fourteen Fast Petrol Vessels (14 FPVs) for ICGP Ship.
- (c) **DOCUMENTATION:** As per SOTR/TSP.
- (d) **ON BOARD SPARES (OBS):** OBS for sufficient quantity for exploitation & on-board maintenance up to 2 years from date of completion of "Standard Warranty" (As mentioned in warranty clause of SOTR/TSP) is required to be provided along with the main equipment. Please refer SOTR/TSP for more details).
- (i) OBS will be ordered along with the main equipment.
 - (ii) It is mandatory to quote OBS for 2 year of exploitation period.
 - (iii) For ranking the bids OBS cost will be considered.
- (e) **BASE & DEPOT (B&D) SPARES**
- (i) Base & Depot spares are to cover spares requirement for major maintenance/overhaul requirements for 5 years including two refits **for Yard 16501 to 16514 (14 FPVs).**
 - (ii) B&D spares list along with Comprehensive Part Identification list (CPIL)/Manufacturers Recommended list of Spares (MRLS) for five-year exploitation and maintenance **to be submitted separately.**
 - (iii) Itemized list with cost along with a copy of the maintenance schedule for the equipment is to be provided in the offer. Itemized list (in LMS format to be submitted in soft copy in excel) of Base & Depot spares should be as per Appendix-6 of SOTR/TSP.
 - (iv) The B&D Spares shall be procured by MDL on behalf of Indian Coastguard. The B&D spares shall be ordered at a later date after ranging and scaling of the spares done by Indian Coast Guard.
 - (v) The delivery of B&D Spares shall be prior to the commissioning of ship. The tentative delivery date for the supply of B&D Spares shall be indicated in the tender enquiry.
 - (vi) The B&D spares ordered by MDL shall be delivered to **CGSD (Chennai).**
 - (vii) Itemized prices for B&D spares (along with the part no) for five years exploitation period with price validity for 18 months from the tender closing date to be submitted along with the offer. **The B&D rates shall be uploaded in additional financial documents.**
 - (viii) After ranging & scaling by Indian Coast Guard (ICG), order for finalized/approved B&D spares would be placed separately by MDL on behalf of ICG.
 - (ix) It is mandatory to quote for B&D Spares. Bidders not quoting for B&D Spares falls under rejection criteria. MDL reserves the right to negotiate prices quoted for B&D Spares.



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Note: Bidders shall quote for all line item in the tender, failing of which offer of the firm falls under rejection criteria.

II. **EARNEST MONEY DEPOSIT (EMD) / BID SECURITY:** Rs. 7,00,000/- (Rupees Seven Lakhs only). EMD shall be submitted as per GeM Terms & condition.

- (a) EMD exemption will be applicable as per GeM conditions and bidders shall upload valid EMD/EMD Exemption Certificate along with the bid. In case valid exemption certificate is not submitted along with original bid, the offer of the firm will be rejected.
- (b) EMD is also exempted for the bidder's permanent registered with MDL. To qualify for EMD exemption, bidder shall upload valid copy of the Registration Certificate issued by MDL, for the tendered items (**Material group – C017004 & C017005, Communication System**) for which the offer is being submitted. Firms in the process of obtaining MDL registration will not be considered for EMD exemption.
- (c) EMD shall be forwarded to DGM/PE(C-CGP), 5th Floor, New Service Block, North Yard, Mazagon Dock Shipbuilders Limited, Shipbuilding Division, Dock Yard Road, Mumbai 400010, Maharashtra, in sealed envelope super scribing Tender Enquiry No. and Due date, so as to reach us within 7 MDL working days from the tender closing date. The scanned image of EMD shall be uploaded at Part-I tender stage.

Note:

- (i) EMD of unsuccessful bidders will be returned after finalization of the tender and shall be interest free.
- (ii) EMD of successful bidders may be converted into performance security or refunded on receipt of performance security. The returned / refunded EMD would be interest free.
- (iii) Bids / Offers without EMD along with Part-I bid will not be considered.

MDL BANK DETAILS:

Name of Bank A/C Holder: Mazagon Dock Shipbuilders Limited
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
PAN No.: AAACM8029J
MDL GST: 27AAACM8029J1ZA

III. **VALIDITY PERIOD OF OFFER:** 180 days from the tender closing date.

IV. **PRE-QUALIFICATION CRITERIA:**

- a) **Technical Qualification/Work Experience Criteria for Goods:** Not Applicable
- b) **Commercial Pre-qualification:**
 - (i) The average annual financial turnover of 'The bidder' during the last three years, ending 31st March (or any other year ending followed in relevant country) of the previous financial year excluding the calendar year of tendering should be at **INR 29.30 Lakhs** as per the annual report (audited balance sheet as applicable and



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profit and loss account) of the relevant period, duly authenticated by a Chartered Accountant/Cost Accountant in India or equivalent in relevant countries.

- (ii) Bidders are requested to submit documents required for Vendor registration (i.e. GST certificate, PAN card and cancelled cheque).

V. **SUBMISSION OF OFFER IN TWO BID SYSTEM**: Offer must be submitted in two parts as follows:

a) **Part I (Techno Commercial Bid)**: The bidder shall ensure following are essentially included in the Part-I bid as applicable:

- (i) EMD/Valid EMD exemption certificate.
- (ii) Technical & Commercial offer.
- (iii) Pre-qualification documents.
- (iv) Declaration of Local Content, preference for MSE Order 2012 and/or PPP Order 2017 for purchase preference.
- (v) Blank rate sheet indicating quoted/not quoted against each line item, tax percentage, type of taxes.
- (vi) Bank details for payment by RTGS/NEFT in the format enclosed.
- (vii) Additional documents as applicable to this tender.

Note: In any case, prices are not to be mentioned in Part-I bid.

b) **Part-II (Price Bid)**: Prices for each of the listed items has to be uploaded on GEM. Itemized list with cost for B&D spares shall also be uploaded in additional financial documents.

VI. **BID REJECTION CRITERIA**

a) **Categorical rejection criteria**: The following conditions / deviations are non-negotiable and therefore any bid falling under these conditions / deviations shall be summarily rejected. Bidders to note that they shall not be provided any opportunity to rectify these conditions / deviations post Part-I bid opening:

- (i) Bids received without EMD (other than those who are exempted from payment of EMD).
- (ii) Non-submission of itemized cost for B&D spares in additional financial documents.
- (iii) Bids received after tender closing date and time.
- (iv) Bids received other than through GeM portal.
- (v) Bidders who are debarred under PPP MII order 2017, GeM, CPPP including Tender holiday issued by MDL.

b) **Liabile rejection criteria**:

- (i) Incomplete / misleading / ambiguous bids in the considered opinion of TNC /CNC.
- (ii) Bid with technical requirements and or terms not acceptable to MDL / Customers / External agency nominated as applicable.
- (iii) Any deviation sought, which is not accepted to MDL.
- (iv) Bid received from non –local supplier i.e. Bidder who submit their quote with less than 20% local content.



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VII. **REVERSE AUCTION (RA):**

- (i) MDL reserves the right to extend, reschedule, postpone, suspend/pause, resume and extend the Reverse Auction, or cancel the Reverse Auction process at any time, before ordering, without assigning any reason, with intimation to bidders.
- (ii) If the lowest price received during ERA is unreasonable or it is unacceptable on ground of being too high when compared with estimated price, MDL reserves the right to seek justification of the price from lowest bidder.
- (iii) If the price is not considered reasonable, MDL may not accept such bid and can go for another tender process. MDL reserves the right to cancel the tender cum RA process.

VIII. **INTEGRITY PACT (IP):** The Integrity pact essentially envisages the agreement between prospective vendors / bidders & buyers committing the person/officials of both the parties not to exercise any corrupt influence on any aspects of the contract. Only those vendors/bidders who enter into such an integrity pact with the buyer would be competent to participate in the bid. Therefore, non-acceptance and non-submission of IP by the vendors/bidders shall render the bid liable for rejection. The format of integrity Pact is enclosed with tender documents. IP shall be submitted on plain paper.

The 'Integrity pact' duly filled as per enclosed format to be submitted along with the offer. Bidders to ensure that each page of Integrity pact shall be duly signed by the bidder. Non-submission of Integrity Pact by the bidders duly signed on each page along with Part-I bid shall render the bid liable for rejection.

The original IP to be submitted or couriered to MDL within 15 days after tender closing date.

Address: DGM/PE (C-P15B), 5th Floor, New Service Block, North Yard, Mazagon Dock Shipbuilders Limited, Shipbuilding Division, Dock Yard Road, Mumbai-400010, Maharashtra

INDEPENDENT EXTERNAL MONITORS (IEM):

Presently the panel consisting of the following Independent External Monitors (IEMs) has been appointed by MDL, in terms of Integrity Pact (IP) which forms part of MDL Tenders / Contracts.

- i) Shri M. N. Krishnamurthy, IPS (Retd.) - Email ID: krishnamurthymn19@gmail.com
- ii) Shri Deepak Kashyap, IRTS (Retd)- Email id : deepakkashyapnd02@gmail.com

This panel is authorized to examine / consider all references made to it under this tender / contract. The bidder(s), in case of any dispute(s) / complaint(s) pertaining to this tender falling under provisions of Integrity Pact may raise the same directly with the IEMs on the panel viz Shri M. N. Krishnamurthy, IPS(Retd.) Email ID: krishnamurthymn19@gmail.com; Shri Deepak Kashyap, IRTS (Retd) Email ID : deepakkashyapnd02@gmail.com.



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IX. DELIVERY PERIOD/COMPLETION SCHEDULE:

Project	Yard No.	Tender line item Nos.	Delivery Period from PO
Fast Petrol Vessels (14 FPVs)	16501	Line Item 1 to 4	PO Date + 3 Months
		Line Item 5 to 6	PO Date + 4 Months
	16502	Line Item 7 to 10	PO Date + 6 Months
		Line Item 11 to 12	PO Date + 7 Months
	16503	Line Item 13 to 16	PO Date + 9 Months
		Line Item 17 to 18	PO Date + 10 Months
	16504	Line Item 19 to 22	PO Date + 12 Months
		Line Item 23 to 24	PO Date + 13 Months
	16505	Line Item 25 to 28	PO Date + 15 Months
		Line Item 29 to 30	PO Date + 16 Months
	16506	Line Item 31 to 34	PO Date + 18 Months
		Line Item 35 to 36	PO Date + 19 Months
	16507	Line Item 37 to 40	PO Date + 21 Months
		Line Item 41 to 42	PO Date + 22 Months
	16508	Line Item 43 to 46	PO Date + 24 Months
		Line Item 47 to 48	PO Date + 25 Months
	16509	Line Item 49 to 52	PO Date + 27 Months
		Line Item 53 to 54	PO Date + 28 Months
	16510	Line Item 55 to 58	PO Date + 30 Months
		Line Item 59 to 60	PO Date + 31 Months
	16511	Line Item 61 to 64	PO Date + 33 Months
		Line Item 65 to 66	PO Date + 34 Months
	16512	Line Item 67 to 70	PO Date + 36 Months
		Line Item 71 to 72	PO Date + 37 Months
	16513	Line Item 73 to 76	PO Date + 39 Months
		Line Item 77 to 78	PO Date + 40 Months
	16514	Line Item 79 to 82	PO Date + 42 Months
		Line Item 83 to 84	PO Date + 43 Months

X. WARRANTY/ GUARANTEE:

- a) The equipment along with associated auxiliaries/components shall be warranted for a period of twelve (12) months from the date of delivery of equipment to MDL or twelve (12) months after planned delivery date of the ship by MDL to the Indian Coast Guard, whichever is later.
- b) The Supplier cannot absolve their responsibility for warranty of system even though it is inspected & approved by Coast Guard and MDL.
- c) During the period of warranty / guarantee if any defect noticed in the equipment / item supplied, the supplier/ contractor will have to rectify such defects immediately at no extra cost to MDL.



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- d) If the defects are not remedied within a reasonable/stipulated time, MDL may proceed to rectify the defects at the supplier's risk & cost, but without prejudice to MDL's rights under the contract.

XI. **PERFORMANCE SECURITY (EPBG):**

- (a) Performance Security for an amount equal to 5% of order value payable in Indian Rupees shall be submitted.
- (b) Performance Security is to be furnished as per GeM after notification of the award of contract and it should remain valid for a period of 60 (sixty) days beyond the date of completion of all contractual obligations of the supplier, including warranty obligations.

- XII. **PLANNED SHIP DELIVERY DATE (D):** The planned date for delivery of the ships to the Indian Coast Guard by MDL is as below:

Project	Yard No.	Planned Ship Delivery Date
Fast Petrol Vessels (14 FPVs)	16501	SEPTEMBER-2026
	16502	DECEMBER-2026
	16503	DECEMBER-2026
	16504	DECEMBER-2026
	16505	MARCH-2027
	16506	JUNE-2027
	16507	SEPTEMBER-2027
	16508	DECEMBER-2027
	16509	MARCH-2028
	16510	JUNE-2028
	16511	SEPTEMBER-2028
	16512	DECEMBER-2028
	16513	MARCH-2029
	16514	JUNE-2029

XIII. **Payment Terms:**

(a) **Main Equipment / Item / System:**

- (i) On receipt of Invoice, 95 % of Payment shall be made within 10 days from generation of Consignee Receipt & Acceptance Certificate (CRAC) of material and as reduced by any deductibles and / or the amount leviable towards liquidated damages, if any plus 100% taxes, duties etc. as applicable.
- (ii) Payment of the balance of the value of the supplies may be payable and as reduced by any deductibles and / or the amount leviable towards liquidated damages, if any, on submission & confirmation of PS of equivalent amount valid up to warranty period plus 60 days.



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XIV. **PRICING:**

- (a) Prices of all items/services shall be quoted for delivery of the items/services to MDL Anik Chembur store / Dockyard road (Mumbai) / Nhava Yard destination including Charges towards inland transportation, insurance, and other local costs incidental to the delivery of the Goods/Services.
- (b) The prices quoted shall remain firm and fixed during the currency of the order / contract unless agreed otherwise by MDL.
- (c) **Price Variation Clause: (For Goods & Services):** Not Applicable

XV. **TAXES & DUTIES:** To be included in the submitted quote, as per GEM & Govt. guidelines.

XVI. **INSPECTION:**

- (a) Inspection Agency: Not Applicable. In case of COTs solution CoC (Certificate of Conformity) or Firm's Warranty/Guarantee certificate should be provided by supplier.
- (b) Receipt Inspection: CGRPT & MDL.

XVII. **CONSIGNEE/DELIVERY LOCATION:**

- a) Material scheduled for delivery are to be delivered at Mazagon Dock Shipbuilder Limited, Anik Chembur Electrical/Electronic Store, Kurla, Mahul Road, Mumbai - 400074 store located in Mumbai, Tel: 022-255 40404/44838/43123.

Note: - 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.

- b) Following document should be submitted along with material:
 - (i) PO copy & subsequent amendments issued to it, if any.
 - (ii) Delivery Challans clearly indicating MDL Purchase Order No, Inspection Note, Details and Packing List co-relating the items in the inspection report, if applicable.
 - (iii) Copy of Warranty Certificate etc.
 - (iv) Test Certificate, if applicable.
 - (v) Technical documentation, if applicable.
 - (vi) E-Way bill (if applicable) details are to be submitted during the delivery of the items.
- c) Unloading of the equipment/ items will be arranged by MDL. In case of delivery of Large/ Bulky/ Heavy consignments, supplier is required to give 2 to 4 day's advance intimation to MDL clearly indicating approx. dimensions and weight of consignments for arranging fork lift/crane for unloading.

XVIII. **PRESERVATION & PACKING:** As per respective SOTR/TSP.

XIX. **CONTACT DETAILS FOR QUERIES:** In case of any clarifications regarding tender condition/SOTRs/TSPs/specifications, bidders are requested to contact the following person, before the closing date of the tender.



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Design Dept.	Mr. Vinit S Wagh, DGM/PE(D-CGP)	+91 22 2376 3017	vswagh@mazdock.com
	Ms Neha Singh, M(D - L&WN)	+91 22 2376 3384	nssingh@mazdock.com
Commercial Dept.	Mr. Dattatray S Chavan, DGM/PE (C-CGP)	+91 22 2376 2782	dschavan@mazdock.com
	Mr. Deepak Kumar, Asst. Manager (C-P15B)	+91 22 2376 2762	deepakkumar100565@mazdock.com

XX. We look forward to receive your most competitive and reasonable offer against this tender.

DECLARATION CERTIFICATE FOR LOCAL CONTENT
(Tender value Less than Rs 10 Crores)

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).

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

IN RESPECT OF BID/ TENDER No:

ISSUED BY (Name of Firm):

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

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

- (a) The facts contained herein are within my own personal knowledge.
- (b) I have 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) I seek benefits against the following policy:

1) PPP MSE Order 2012

2) PPP MII 2017

(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

Attach separate sheet duly signed if the space not sufficient.

NB: Local content percentage shall be declared item wise or tender wise strictly as per the terms of the 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 19.07.2024 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 19.07.2024.

SIGNATURE: _____

DATE: _____

Seal / Stamp of Bidders

ACTUAL LOCAL CONTENT CERTIFICATE
(Tender value Less than Rs 10 Crores)

Note 1: This certificate shall be submitted by the successful bidder post execution of the contract.

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

IN RESPECT OF CONTRACT No./PO No......
ISSUED BY (Name of Firm):

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

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

(a) The facts contained herein are within my own personal knowledge.

(b) My/our company had declared the local content at the time of tender as under

Tender Item Sr. No.	Local content calculated as above %	Location of local value addition

(c) My/our company has completed the above referred contract and the actual local content of the delivered item/s calculated using the definition given at the time of Bid is as under:

Tender Item Sr. No.	Declared minimum Local content at the time of bidding (%)	Achieved Local content of delivered items (%)

NB: Local content percentage shall strictly be declared item wise or tender wise as was declared at the time of bid/tender

(d) 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 19.07.2024 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. I undertake to retain the relevant documents for 7 years from date of execution.

(e) 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 19.07.2024.

SIGNATURE: _____

DATE: _____

Seal / Stamp of Bidders

Integrity Pact (IP) Format

Mazagon Dock Shipbuilders Limited (MDL) hereinafter referred to as **"The Principal/Buyer"**

And.....hereinafter referred to as **"The Bidder/ Contractor"**

Preamble

	The Principal/Buyer intends to award, under laid down organizational procedures, contract/s forThe Principal/Buyer values full compliance with all relevant laws of the land rules, regulations, economic use of resources and of fairness / transparency in its relations with its Bidder(s) and /or Contractor(s). In order to achieve these goals, the Principal/Buyer will appoint an Independent External Monitor (IEM), who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.
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Section 1 - Commitments of the Principal/Buyer:

(1)	The Principal/Buyer commits itself to take all measures necessary to prevent corruption and to observe the following principles:
a)	No employee of the Principal/Buyer, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
b)	The Principal/Buyer will during the tender process treat all Bidder(s) with equity and reason. The Principal/Buyer will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.
c)	The Principal/Buyer will exclude from the process all known prejudiced persons.
d)	The Principal/Buyer undertakes to scrupulously follow the tender containing Standard Terms & Conditions (STAC) and General Terms & Conditions (GT&C) in respect of procurement contracts for goods, services and civil works.
(2)	If the Principal/Buyer obtains information on the conduct of any of its employees which is a criminal offence under the relevant Anti Corruption Laws of India, or if there be a substantive suspicion in this regard, the Principal/Buyer will inform the Chief Vigilance Officer, MDL and in addition can initiate disciplinary actions.

Section 2 - Commitments of the Bidder(s)/Contractor(s):

(1)	The Bidder(s)/Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.
a)	The Bidder(s)/Contractor(s) will not, directly or through any other persons or firm, offer promise or give to any of the Principal/Buyer's employees involved in the tender process or the execution of the contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage or any kind whatsoever during the tender process or during the execution of the contract.
b)	The Bidder(s)/Contractor(s) will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.
c)	The Bidder(s)/Contractor(s) will not commit any offence under the relevant Anti-Corruption Laws of India; further the Bidder(s)/Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to other, any information or document provided by the Principal/Buyer as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

	d)	The Bidder(s)/Contractor(s) of foreign origin shall disclose the name and address of the Agents/representatives in India, if any. Similarly, the Bidder(s)/Contractor(s) of Indian Nationality shall furnish the name and address of the foreign principals, if any. All payments made to the Indian Agent/representative have to be in Indian Rupees only. Further details as mentioned in the "Guidelines of Indian Agents of Foreign suppliers" shall be disclosed by the Bidders(s)/Contractor(s). Copy of the "Guidelines on Indian Agents of Foreign Suppliers" as annexed and marked as Annexure-A.
	e)	The Bidder(s)/Contractor(s) will when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.
	f)	The Bidder (s)/Contractor(s), their agents, representatives shall not do such things so as to interfere with the procedures laid down in the Principal/Buyer's tender containing the Standard Terms and Conditions (STAC) and General Terms and Conditions (GT&C) in respect of procurement contracts for goods, services and civil works.
	g)	The Bidder commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.
(2)		The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlines above or be an accessory to such offences.

Section 3 - Disqualification from tender process and exclusion from future contracts:

		If the Bidder(s)/Contractor(s) before contract award or during execution of Contract has committed a transgression through a violation of Section 2, above or in any other form such as to put his reliability or credibility as Bidder(s) in question, the Principal/Buyer is entitled to disqualify the Bidder(s)/Contractor(s) from the tender process or to terminate the contract, if already signed for such reason, as per the procedure mentioned in the "Guidelines on Banning of business dealings" Copy of the "Guidelines on Banning of business dealings" is annexed and marked as Annexure-B.
	1)	If the Bidder(s)/Contractor(s) has committed a transgression through a violation of Section 2 such as to put his reliability or credibility into question, the Principal/Buyer is entitled also to exclude the Bidder(s)/Contractor(s) from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of the transgression. The severity will be determined by the circumstances of the case, in particular the number of transgressions, the position of the transgressors within the company hierarchy of the Bidder(s) and the amount of the damage. The exclusion will be imposed for a minimum of <u>six</u> months and maximum of <u>five</u> years, which may be further extended at the discretion of the Principal/Buyer.
	2)	A transgression is considered to have occurred, if the Principal/Buyer after due consideration of the available evidence, concludes that no reasonable doubt is possible.
	3)	The Bidder (s) accepts and undertakes to respect and uphold the Principal/Buyer's absolute right to resort to and impose such exclusion and further accepts and undertakes not to challenge or question such exclusion on any ground, including the lack of any hearing before the decision to resort to such exclusion is taken. This undertaking is given freely and after obtaining legal advice.
	4)	If the Bidder(s)/Contractor(s) can prove that he has restored/ recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/Buyer may revoke the exclusion prematurely.

Section 4 – Sanctions for Violation:

(1)	Any breach of the aforesaid provisions by the Bidder or any one employed by him or acting on his behalf (whether with or without the knowledge of the Bidder) or the commission of any offence by the Bidder or any one employed by him or acting on his behalf, as defined in
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	Chapter IX of the Indian Penal Code, 1860 or the Prevention of Corruption Act 1988 or any other Act enacted for the prevention of corruption shall entitle the Principal/Buyer to take all or any one of the following actions, wherever required –
a)	To immediately call off the pre-contract negotiations without assigning any reason or giving any compensation to the Bidder. However, the proceedings with the other Bidder (s) would continue.
b)	The Earnest Money Deposit/Security Deposit/Performance Bond shall stand forfeited either fully or partially, as decided by the Principal/Buyer, and the Principal/Buyer shall not be required to assign any reason there for.
c)	To immediately cancel the contract, if already signed, without giving any compensation to the Bidder.
d)	To recover all sums already paid by the Principal/Buyer, in case of an Indian Bidder with interest thereon at 2% higher than the prevailing Base Rate of SBI, and in case of a Bidder from a country other than India with interest thereon at 2% higher than the LIBOR. If any outstanding payment is due to the Bidder from the Buyer in connection with any other contract for any other Defence stores, such outstanding payment could also be utilized to recover the aforesaid sum and interest.
e)	To en-cash the advance Bank Guarantee and Performance Bond/Warranty bond, if furnished by the Bidder, in order to recover the payments, already made by the Principal/Buyer, along with interest.
f)	To cancel all or any other contracts with the Bidder.
g)	To debar the Bidder from entering into any bid from Principal/Buyer for a minimum period of five years, which may be further extended at the discretion of the Principal/Buyer.
h)	To recover all sums paid in violation of this Pact by Bidder(s) to any middleman or agent or broker with a view to securing the contract.
i)	If the Bidder or any employee of the Bidder or any person acting on behalf of the Bidder, either directly or indirectly, is closely related to any of the officers of the Buyer, or alternatively, if any close relative of an officer of the Buyer has financial interest/stake in the Bidder's firm, the same shall be disclosed by the Bidder at the time of filing of tender. Any failure to disclose the interest involved shall entitle the Buyer to rescind the contract without payment of any compensation to the Bidder.
	The term 'close relative' for this purpose would mean spouse whether residing with the Principal/Buyer's employee/employees or not, but not include a spouse separated from the Principal/Buyer's employee/employees by a decree or order of a competent court; son or daughter or step son or step daughter and wholly dependent upon Principal/Buyer's employee/employees, but does not include a child or step child who is no longer in any way dependent upon the Principal/Buyer's employee/employees or of whose custody the Principal/Buyer's employee/employees has been deprived of by or under any law; any other person related, whether by blood or marriage, to the Principal/Buyer's employee/employees or to the Principal/Buyer's employee/employees wife or husband and wholly dependent upon Principal/Buyer's employee/employees.
j)	The Bidder shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of the Principal/Buyer, and if he does so, the Principal/Buyer shall be entitled forthwith to rescind the contract and all other contracts with the Bidder. The Bidder shall be liable to pay compensation for any loss or damage to the Principal/Buyer resulting from such rescission and the Principal/Buyer shall be entitled to deduct the amount so payable from the money(s) due to the Bidder.
k)	In cases where Irrevocable Letters of Credit have been received in respect of any contract signed by the Principal/Buyer with the Bidder, the same shall not be opened.
(2)	The decision of the Principal/Buyer to the effect that a breach of the provisions of this Integrity Pact has been committed by the Bidder shall be final and binding on the Bidder, however, the same Bidder can approach the Monitor(s) appointed for the purposes of this Pact.

Section 5 - Previous Transgression:

(1)	The Bidder declares that no previous transgressions occurred in the last three years with any other company in any country conforming to the anti-corruption approach or with any other public sector enterprise in India that could justify his exclusion from the tender process.
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(2)	If the bidder makes incorrect statement on this subject, he can be disqualified from the tender process or further action can be taken.
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Section 6 - Equal treatment of all Bidders/Contractor(s)/Subcontractors:

(1)	The Bidder(s)/Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this integrity Pact, and to submit it to the Principal before contract signing.
2)	The Principal/Buyer will enter into agreements with identical conditions as this one with all bidders, contractors and subcontractors.
(3)	The Principal/Buyer will disqualify from the tender process all bidders who do not sign this Pact or violate its provisions.

Section 7 - Criminal charges against violation Bidder(s)/Contractor(s)/

Subcontractor(s):

(1)	If the Principal/Buyer obtains knowledge of conduct of a Bidder, Contractor or subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor of subcontractor which constitutes corruption or if the Principal has substantive suspicion in this regard, the Principal/Buyer will inform the same to the Chief Vigilance Officer, MDL.
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Section 8 - Independent External Monitor/Monitors:

(1)	The Principal/Buyer appoints competent and credible independent External Monitor for this Pact. The task of the Monitor is to review independently and objectively whether and to what extent the parties comply with the obligations under this agreement.
(2)	The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the Chairman & Managing Director of the Principal/Buyer.
(3)	The Bidder(s)/Contractor(s) accepts that the Monitor has the right to access without restriction to all project documentation of the Principal/Buyer including that provided by the Contractor. The Contractor will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Subcontractors. The Monitor is under contractual obligation to treat the information and documents of the Bidder(s)/Contractor(s)/Subcontractor(s) with confidentiality.
(4)	The Principal/Buyer will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations, between the Principal/Buyer and the Contractor. The parties offer to the Monitor the option to participate in such meetings.
(5)	As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the Management of the Principal/Buyer and request the Management to discontinue or take corrective action, or to take other relevant action. The Monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action. However, the Monitor shall give an opportunity to the Bidder(s)/Contractor(s) to present its case before making its recommendation to the Principal/Buyer.
(6)	The Monitor will submit a written report to the Chairman & Managing Director of the Principal within 8 to 10 weeks from the date of reference or intimation to him by the Principal/Buyer and, should the occasion arise, submit proposals for correcting problematic situations.
(7)	Monitor shall be entitle to compensation on the same terms as being extended to / provided to Independent Directors on the Board of Principal/Buyer.
(8)	If the Monitor has reported to the Chairman & Managing Director of the Principal, a substantiated suspicion of an offence under relevant Anti-Corruption Laws of India and the Chairman & Managing Director of the Principal/Buyer has not, within the reasonable time taken visible action to proceed against such offence or reported it to the Chief Vigilance Officer, the Monitor may also transmit this information directly to the Central Vigilance Commissioner, Government of India.
(9)	The word 'Monitor' would include both singular and plural.

Section 9 - Pact Duration:

	This pact begins when both parties have legally signed it. It expires for the Contractor 12 months after the last payment under the contract and for all other Bidders 06 months after the contract has been awarded. If any claim is made / lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above unless it is discharged / determined by Chairman & Managing Director of the Principal/Buyer.
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Section 10 - Other provisions:

(1)	This agreement is subject to Indian Law, place of performance and jurisdiction is the Registered Office of the Principal/Buyer, i.e. Mumbai (For MDL). The Arbitration clauses provided in the main tender document/ contract shall not be applicable for any issue/dispute arising under this Integrity pact.
(2)	Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.
(3)	If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.
(4)	Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

Section 11 – Fall Clause: #

“The Bidder undertakes that it has not supplied/is not supplying similar products/ systems or subsystems at a price lower than that offered in the present bid in respect of any other Ministry/Department of the Government of India or PSU and if it is found at any stage that similar product/systems or sub systems was supplied by the Bidder to any other Ministry/Department of the Government of India or a PSU at a lower price, then that very price, with due allowance of elapsed time, will be applicable to the present case and the difference in the cost would be refunded by the Bidder to the Principal/Buyer, if the contract has already been concluded.”

For & on behalf of
Mazagon Dockshipbuilders Limited

(Office Seal)

Place_____

Date_____

Witness 1:

(Name & Address)

For & on behalf of
Bidder/Contractor

(Office Seal)

Witness 2:

(Name & Address)

GUIDELINES FOR INDIAN AGENTS OF FOREIGN SUPPLIERS

1.0	There shall be compulsory registration of agents for all Global (Open) Tender and Limited Tender. An agent who is not registered with MDL shall apply for registration.
1.1	An agent shall represent only one Foreign Supplier and not represent two suppliers or quote on their behalf in the same tender.
	However, either the Indian Agent on behalf of the Foreign Suppliers (also includes foreign manufacturers) or the Foreign Suppliers (also includes foreign manufacturers) directly could bid in a tender, but not both. In cases where an agent participates in a tender on behalf of one manufacturer, shall not quote on behalf of another manufacturer along with the first Manufacturer in a subsequent/parallel tender for the same item.
1.2	Registered agents will file an authenticated Photostat copy duly attested by a Notary Public/Original certificate of the principal confirming the agency agreement and giving the status being enjoyed by the agent and the commission/remuneration/salary/ retainer ship being paid by the principal to the agent before the placement of order by MDL.
1.3	Wherever the Indian representatives have communicated on behalf of their principals and the foreign parties have stated that they are not paying any commission to the Indian agents, and the Indian representative is working on the basis of salary or as retainer, a written declaration to this effect should be submitted by the party (i.e. Principal) before finalizing the order.

2.0 DISCLOSURE OF PARTICULARS OF AGENTS/ REPRESENTATIVES IN INDIA, IF ANY.

2.1	Tenderers of Foreign nationality shall furnish the following details in their offer:	
	2.1.1	The name and address of the agents/representatives in India, if any and the extent of authorization and authority given to commit the Principals. In case the agent/representative be a foreign Company, it shall be confirmed whether it is real substantial Company and details of the same shall be furnished.
	2.1.2	The amount of commission/remuneration included in the quoted price(s) for such agents/representatives in India.
	2.1.3	Confirmation of the Tenderer that the commission/ remuneration if any, payable to his agents/ representatives in India, may be paid by MDL in Indian Rupees only.
2.2	Tenderers of Indian Nationality shall furnish the following details in their offers:	
	2.2.1	The name and address of the foreign principals indicating their nationality as well as their status, i.e, whether manufacturer or agents of manufacturer holding the Letter of Authority of the Principal specifically authorizing the agent to make an offer in India in response to tender either directly or through the agents/representatives.
	2.2.2	The amount of commission/remuneration included in the price (s) quoted by the Tenderer for himself.
	2.2.3	Confirmation of the foreign principals of the Tenderer that the commission/remuneration, if any, reserved for the Tenderer in the quoted price (s), may be paid by MDL in India in equivalent Indian Rupees on satisfactory completion of the Project or supplies of Stores and Spares in case of operation items .
2.3	In either case, in the event of contract materializing, the terms of payment will provide for payment of the commission /remuneration, if any payable to the agents/representatives in India in Indian Rupees on expiry of 90 days after the discharge of the obligations under the contract.	
2.4	Failure to furnish correct and detailed information as called for in paragraph-2.0 above will render the concerned tender liable to rejection or in the event of a contract materializing, the same liable to termination by MDL. Besides this there would be a penalty of banning business dealings with MDL or damage or payment of a named sum.	

GUIDELINES ON BANNING OF BUSINESS DEALINGS
CONTENTS

Sr.	Description
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1. Introduction

1.1	Mazagon Dock Shipbuilders Limited (MDL), being a Public Sector Enterprise and 'State', within the meaning of Article 12 of Constitution of India, has to ensure preservation of rights enshrined in Chapter III of the Constitution. MDL as also to safeguard its commercial interests. MDL deals with Agencies, who have a very high degree of integrity, commitments and sincerity towards the work undertaken. It is not in the interest of MDL to deal with Agencies who commit deception, fraud or other misconduct in the execution of contracts awarded / orders issued to them. In order to ensure compliance with the constitutional mandate, it is incumbent on MDL to observe principles of natural justice before banning the business dealings with any Agency.
1.2	Since banning of business dealings involves civil consequences for an Agency concerned, it is incumbent that adequate opportunity of hearing is provided and the explanation, if tendered, is considered before passing any order in this regard keeping in view the facts and circumstances of the case.

2. Scope

2.1	MDL reserves its rights to remove from list of approved suppliers / contractors or to ban business dealings if any Agency has been found to have committed misconduct and also to suspend business dealings pending investigation.
2.2	Similarly, in case of sale of material there is a clause to deal with the Agencies / customers / buyers, who indulge in lifting of material in unauthorized manner.
2.3	However, absence of such a clause does not in any way restrict the right of MDL to take action / decision under these guidelines in appropriate cases.
2.4	The procedure of (i) Removal of Agency from the List of approved suppliers / contractors; (ii) Suspension and (iii) Banning of Business Dealing with Agencies, has been laid down in these guidelines.
2.5	These guidelines apply to all the Divisions/Yards of MDL.
2.6	It is clarified that these guidelines do not deal with the decision of the Management not to entertain any particular Agency due to its poor / inadequate performance or for any other reason.
2.7	The banning shall be with prospective effect, i.e., future business dealings.

3. Definitions

In these Guidelines, unless the context otherwise requires:

i)	'Bidder / Contractor / Supplier / Purchaser / Customer' shall mean and include a public limited company or a private limited company, a firm whether registered or not, an individual, a cooperative society or an association or a group of persons engaged in any commerce, trade, industry, etc. 'Bidder / Contractor / Supplier / Purchaser / Customer' in the context of these guidelines is indicated as 'Agency'.
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ii)	'Inter-connected Agency' shall mean two or more companies having any of the following features:
	a) If one is a subsidiary of the other.
	b) If the Director(s), Partner(s), Manager(s) or Representative(s) are common;
	c) If management is common;
	d) If one owns or controls the other in any manner;
iii)	'Competent Authority' and 'Appellate Authority' shall mean the following:
	a) Functional Director shall be the 'Competent Authority' for the purpose of these guidelines. CMD, MDL shall be the 'Appellate Authority'.
	b) CMD, MDL shall have overall power to take suo-moto action on any information available or received by him and pass such order(s) as he may think appropriate, including modifying the order(s) passed by any authority under these guidelines.
iv)	'Investigating Department' shall mean any Department or Unit investigating into the conduct of the Agency and shall include the Vigilance Department, Central Bureau of Investigation, the State Police or any other department set up by the Central or State Government having powers to investigate.
v)	'List of approved Agencies – Bidder / Contractors / Suppliers / Purchasers / Customers shall mean and include list of approved / registered Agencies - Bidder / Contractors / Suppliers / Purchasers / Customers, etc.

4. Initiation of Banning / Suspension

	Action for banning / suspension business dealings with any Agency should be initiated by the department having business dealings with them after noticing the irregularities or misconduct on their part. Besides the concerned department, Vigilance Department may also be competent to initiate such action.
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5. Suspension of Business Dealings

5.1	If the conduct of any Agency dealing with MDL is under investigation by any department, the Competent Authority may consider whether the allegations under investigation are of a serious nature and whether pending investigation, it would be advisable to continue business dealing with the Agency. If the Competent Authority, after consideration of the matter including the recommendation of the Investigating Department, if any, decides that it would not be in the interest to continue business dealings pending investigation, it may suspend business dealings with the Agency. The order to this effect may indicate a brief of the charges under investigation. If it is decided that inter-connected Agencies would also come within the ambit of the order of suspension, the same should be specifically stated in the order. The order of suspension would operate for a period not more than six months and may be communicated to the Agency as also to the Investigating Department. The Investigating Department may ensure that their investigation is completed and whole process of final order is over within such period.
5.2	The order of suspension shall be communicated to all Commercial Departmental Heads. During the period of suspension, no business dealing may be held with the Agency.
5.3	As far as possible, the existing contract(s) with the Agency may continue unless the Competent Authority, having regard to the circumstances of the case, decides otherwise.
5.4	If the gravity of the misconduct under investigation is very serious and it would not be in the interest of MDL, as a whole, to deal with such an Agency pending investigation, the Competent Authority may order suspension of business dealing with Agency and send his recommendation to Chief Vigilance Officer (CVO), MDL along with the material available, copy of which may be issued to the Agency concerned with intimation to CVO MDL. Such an order would operate for a period of six months from the date of issue.
5.5	If the Agency concerned asks for detailed reasons of suspension, the Agency may be informed that its conduct is under investigation. It is not necessary to enter into correspondence or argument with the Agency at this stage.
5.6	It is not necessary to give any show-cause notice or personal hearing to the Agency before issuing the order of suspension. However, if investigations are not complete in

	six months' time, the Competent Authority may extend the period of suspension by another three months, during which period the investigations must be completed.
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6. Ground on which Banning of Business Dealings can be initiated

6.1	If the security consideration, including questions of loyalty of the Agency to the State, so warrants;
6.2	If the Director / Owner of the Agency, proprietor or partner of the firm, is convicted by a Court of Law for offences involving moral turpitude in relation to its business dealings with the Government or any other public sector enterprises or MDL, during the last five years;
6.3	If there is strong justification for believing that the Directors, Proprietors, Partners, owner of the Agency have been guilty of malpractices such as bribery, corruption, fraud, substitution of tenders, interpolations, etc;
6.4	If the Agency continuously refuses to return / refund the dues of MDL without showing adequate reason and this is not due to any reasonable dispute which would attract proceedings in arbitration or Court of Law;
6.5	If the Agency employs a public servant dismissed / removed or employs a person convicted for an offence involving corruption or abetment of such offence;
6.6	If business dealings with the Agency have been banned/blacklisted by Government Agencies/ Statutory bodies, DGQA, Defence Shipyards, DPSUs or with whom commercial transactions have been suspended for sufficient and justifiable reasons.
	If the Agency having same promoters/Directors /Partners as the barred/blacklisted Company as at 6.6 above for the duration for which the barring/ blacklisting of sister concern persists.
6.7	If the Agency has resorted to Corrupt, fraudulent practices including misrepresentation of facts; If the agency who had fraudulently dealt with the Company for pecuniary gains or had connived with dealing officers for mutual benefit.
6.8	If the Agency uses intimidation / threatening or brings undue outside pressure on the MDL or its official in acceptance / performances of the job under the contract;
6.9	If the Agency indulges in repeated and / or deliberate use of delay tactics in complying with contractual stipulations;
6.10	Wilful indulgence by the Agency in supplying sub-standard material irrespective of whether pre-dispatch inspection was carried out by MDL or not;
6.11	Based on the findings of the investigation report of CBI / Police against the Agency for malafide / unlawful acts or improper conduct on his part in matters relating to the MDL or even otherwise;
6.12	Established litigant nature of the Agency to derive undue benefit;
6.13	Continued poor performance of the Agency in several contracts;
6.14	If the Agency misuses the premises or facilities of the MDL, forcefully occupies, tampers or damages the Company's properties including land, water resources, forests / trees, etc. If the Agency who knowingly collude to defeat competition with the aim of deriving undeserved profit or gain from doing business with MDL. (Note: The examples given above are only illustrative and not exhaustive. The Competent Authority may decide to ban business dealing for any good and sufficient reason).

7. Banning of Business Dealings

7.1	Decision to ban business dealings with any Agency would apply throughout the Company.
7.2	There will be a Standing Committee to be appointed by the CMD which may include HOD of respective Commercial Section/Capital Works/OTS, HOD (M), rep of Legal Dept. and OIC (SR&R) for processing the cases of "Banning of Business Dealings". The functions of the committee shall, inter-alia include:
	i) To study the report of the Investigating Agency and decide if a prima-facie case for banning exists, if not, send back the case to the Competent Authority.
	ii) To recommend for issue of show-cause notice to the Agency by the concerned department.
	iii) To examine the reply to show-cause notice and call the Agency for personal hearing, if

		required.
	iv)	To submit final recommendation to the Competent Authority for banning or otherwise.
7.3		If the Competent Authority is prima-facie of view that action for banning business dealings with the Agency is called for, a show-cause notice may be issued to the Agency as per paragraph 9.1 and an enquiry held accordingly.
8		Removal from List of Approved Agencies - Suppliers / Contractors, etc.
8.1		If the Competent Authority decides that the charge against the Agency is of a minor nature, it may issue a show-cause notice as to why the name of the Agency should not be removed from the list of approved Agencies - Suppliers / Contractors, etc.
8.2		The effect of such an order would be that the Agency would not be disqualified from competing in Open Tender Enquiries but LTE may not be given to the Agency concerned.
8.3		Past performance of the Agency may be taken into account while processing for approval of the Competent Authority for awarding the contract.
9.		Show-cause Notice
9.1		In case where the Competent Authority decides that action against an Agency is called for, a show-cause notice has to be issued to the Agency. Statement containing the imputation of misconduct or misbehavior may be appended to the show-cause notice and the Agency should be asked to submit within 15 days a written statement in its defence.
9.2		If the Agency requests for inspection of any relevant document in possession of MDL, necessary facility for inspection of documents may be provided.
9.3		The Competent Authority may consider and pass an appropriate speaking order:
	a)	For exonerating the Agency if the charges are not established;
	b)	For removing the Agency from the list of approved Suppliers / Contractors, etc.
	c)	For banning the business dealing with the Agency.
9.4		If it decides to ban business dealings, the period for which the ban would be operative may be mentioned. The order may also mention that the ban would extend to the interconnected Agencies of the Agency.
10.		Appeal against the Decision of the Competent Authority
10.1		The Agency may file an appeal against the order of the Competent Authority banning business dealing, etc. The appeal shall lie to Appellate Authority. Such an appeal shall be preferred within one month from the date of receipt of the order banning business dealing, etc.
10.2		Appellate Authority would consider the appeal and pass appropriate order which shall be communicated to the Agency as well as the Competent Authority.
11.		Review of the Decision by the Competent Authority
		Any petition / application filed by the Agency concerning the review of the banning order passed originally by Competent Authority under the existing guidelines either before or after filing of appeal before the Appellate Authority or after disposal of appeal by the Appellate Authority, the review petition can be decided by the Appellate Authority upon disclosure of new facts / circumstances or subsequent development necessitating such review. The Competent Authority may refer the same petition to the separate Standing Committee which may be constituted by Appellate Authority for examination and recommendation.
12.		Circulation of the names of Agencies with whom Business Dealings have been banned
12.1		Depending upon the gravity of misconduct established, the Competent Authority may direct HOD (Materials)/OIC (SR&R) to circulate the names of Agency with whom business dealings have been banned, to the Government Departments, other Public Sector Enterprises, etc. for such action as they deem appropriate.
12.2		If Government Departments or a Public Sector Enterprise request for more information about the Agency with whom business dealings have been banned, a copy of the report of Inquiring Authority together with a copy of the order of the Competent Authority / Appellate Authority may be supplied.
12.3		If business dealings with any Agency have been banned by the Central or State Government or any other Public Sector Enterprise, MDL may, without any further enquiry or investigation, issue an order banning business dealing with the Agency and its inter-connected Agencies.



MAZAGON DOCK SHIPBUILDERS LIMITED

(A Govt. Of India Undertaking)

SHIPBUILDING DESIGN- ELECTRICAL & WEAPON DEPARTMENT
DOCKYARD ROAD, MUMBAI - 400 010

**TECHNICAL SPECIFICATION FOR PROCUREMENT OF
LOCAL AREA NETWORK (LAN) FOR FAST PATROL VESSEL OF INDIAN
COAST GUARD.**

(QUANTITY: ONE SET PER SHIP)

PROJECT	:	FAST PATROL VESSEL
YARD NO	:	16501/16502/16503/16504/16505/16506/16507/16508/16509 /16510/16511/16512/16513/16514.
CLIENT	:	INDIAN COAST GUARD
DOCUMENT NO	:	5029
CLASSIFICATION NOTATION	:	+A1 HSC (Special Government Service) +AMS or equivalent.
DATE	:	01 December 2025

6	Section I: Para 1.6, 2.2,2.5,3.2,4.1 to 4.5, 5 to 9,11 to 14, 26, 27, 29(d), 33 deleted. Section I: Para 10.4, 10.6, 16,17,18,24,30,36.1,39 Modified Section II: Para 3.1, 3.3, 3.4,3.5, 3.6,3.7,3.8,5 Modified Section II: Para 3.15, 4 (B) deleted	01-12-25	ICG
5	Pre-Qualification criteria Modified, Section II, Par 2, Table sl no 16 deleted. Para 3.2, Table Sl. no 1, Modified COTs Grade UPS. Para 3.4, Changed to 24 Port Ethernet Switch. Para 3.6, Printer size changed to A4 as per PDMAT letter.	24-09-25	ICG
4	Delivery Date Modified, Section II Par 3.3 (d,e,t,u,h), 3.8 Modified	16-09-25	ICG
3	TSP modified as per ICG comments received vide letter dated 30 July'25	01-08-25	ICG
2	Comments incorporated as per ICG email dated 15 July'25 regarding deletion of ROBO Rack & server from TSP.	23-07-25	ICG
1	Comments incorporated as per ICG letter for ROBO Rack & server	20-5-25	ICG
0	TSP Prepared based on Build specs of FPV Project.	15-04-25	ICG
Re v	Description	DATE	Authori sed By
	 Neha Singh M (D-L&Wn) Prepared By		 Sudhir Sonawane CM (D-L&Wn) Checked By
			 P.K.Modak DGM (D-L&WN) Section Head



MAZAGON DOCK SHIPBUILDERS LTD.,
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SECTION I

1. GENERAL REQUIREMENTS

1.1 **APPLICATION:** Mazagon Dock Shipbuilders Ltd., Mumbai is premier shipyard of India. The items projected in this specification are for use on Fast Patrol Vessels (FPV) of Indian Coast Guard (ICG). Indian Coast Guard have awarded contract of 14 numbers of FPV to MDL. MDL Yard number shall be Y-16501/ 16502/ 16503/ 16504/ 16505/ 16506/ 16507/ 16508/ 16509/ 16510/ 16511/ 16512/ 16513/ 16514.

1.2 SECURITY OF INFORMATION

The information contained in this TSP/SOTR is restricted in nature. Adequate measures shall be taken to ensure safe custody of this document. The content of this document not be divulged to any other firm/third party without the prior permission of MDL/Indian Coast Guard.

1.3 SUPPLIER'S OFFER

- 1.3.1 The offer shall strictly conform to the details indicated in this specification and in the referred standards / drawings / documents (All Latest Issues are to be followed).
- 1.3.2 Unless referred to by supplier, before submission of offer & obtain clarifications, omission, if any, in the specifications shall not relieve the supplier of his responsibility to ascertain these requirements to perform work and furnish material in accordance with codes specified.
- 1.3.3 The offer should be complete with all relevant details as per Section I & II.
- 1.3.4 Any clarification required regarding Technical Specification / Requirement should be sought prior to submission of the offer.
- 1.3.5 Any incorrect / incomplete submission / non confirmation to any requirement shall lead to non-acceptance of offer.
- 1.3.6 Vendor has to ensure complete awareness of the relevant International / Indian / IMO standards/IRS Rules/ ABS Rules. Suppliers to note that no kind of correspondence as regards to non-awareness / ignorance on its part will be entertained, post order. Vendor to adhere strictly to all requirements mentioned in technical requirements.

1.4 DEVIATIONS -

- a. In case the items offered are NOT conforming to the details given in the Specification, the offer should clearly indicate a comparative statement of the requirement indicated in the Specification vis-a-vis that of the items offered, indicating limitations/advantages, for Indian Coast Guard/ MDL consideration. Refer APPENDIX - 1 for Format. Onus of proving the equivalence of the alternate specifications, if any, quoted in lieu of those required as per tender rests with the Supplier.



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- b. No deviations shall be granted after the placement of order.
- c. In case no deviation is indicated in the offer, it shall be presumed that the offer conforms to the technical specification and therefore binding on the supplier.

1.5 CERTIFICATE OF CONFORMITY -

- a. The offer should be complete with **CERTIFICATE OF CONFORMITY** as per format detailed at **APPENDIX - 2** for COTs item/equipment.
- b. **IMPORTANT NOTE** - The offer received without the "Certificate of Conformity", duly filled in and signed, may not be considered.

2.

INTRODUCTION

Configuration & Technical Parameter of 14 No's of FPV of ICG

- 2.1 This General Specifications relate to Design, approval of the equipment by the classification society, Manufacture and Supply of 14 (fourteen) ship set of Equipment for Project "Fast Patrol Vessel (FPVs)" of Indian Coast Guard.
- 2.2 **Class notation for 14 FPV is:** - +A1 HSC (Special Government Service) + AMS or equivalent.
- 2.3 The Supplier should submit the quotation based on the General Conditions & Requirements (GCR) and the Technical Requirement for Procurement of each equipment. Should there be any discrepancies between the GCR and the Technical requirement of each equipment, the technical requirement/ specification shall prevail.
- 2.4 The Year of production of equipment and system to be of latest manufacture (during or after Year 2023). This is to confirm to the current production standards and should have 100% of the defined life at the time of delivery. (other than permitted running hours during assembly / acceptance trials)

3. Technical Parameters of 14 FPV: -

- 3.1 The general conditions and requirements specified in this chapter are intended to meet the functional requirements of a FPV for operation in oceans environment and performance of all the ICG charter of duties. The vessel shall be capable for operation on Maritime zones of India and around island territories in depths greater than 3.5 meters.
- 3.2 **Service life of ship:** The expected service life of ship is 20 years @ 2500 hrs. annual exploitation.
- 3.3 **Ship's Support Systems Supplies:** - Following ship's support supplies shall be available for the propulsion system. For electrical supplies, in case of different requirements (voltage/frequency, etc.), the equipment supplier shall provide suitable provision (transformer/converter/UPS, etc.).

Table 5



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Sr. No	System	Supplies	Remarks
(a)	Electrical	415 V AC @ 50 Hz, 3 phase	Any other power requirement shall be met by the equipment supplier.
		230 V AC @ 50 Hz, 1 phase	
		24V DC	

4. **Documentation:** Various documents will be submitted by the equipment supplier as per the scope of supply and responsibility. Quality documentation is to be submitted in comprehensive and time bound manner for meeting ship's detailed design and production targets as well as equipment production and delivery schedule. Documentation to be submitted by the equipment supplier are broadly indicated below:

Table 6

Sr. No.	Documentation	Remarks
(i)	Design Binding Document	For progressing with detailed design, integration & installation.
(ii)	Equipment STW/Ops Check documentation	For preparing installation/ inspection/ Test/ trials and Operational Checks documentation
(iii)	Technical Manuals for equipment operation, maintenance, etc.	For ship's crew, training and repair organizations.

- 4.1 All documentation (including documents, drawings, manuals, etc.) should be in English language. Dimensional details in the drawings should be as per scale. Technical data and parameters should be in metric units (SI Units).
- 4.2 Soft Copy of Document should be in following Acceptable formats :-
a) Documents and data in MS-WORD/EXCEL, as applicable
b) Orthographic drawings (2D) in DXF/DWG format.
c) Above drawings/data are to be submitted in soft copies in latest software version.
- 4.3 Hard documents to be provided suitably grouped and indexed and in moisture proof bound folders.
- 4.4 **Binding Design Documentation:** Three copies (one set for MDL, Two sets for ICG) and three sets on CD ROM of the following binding drawings/documents are to be supplied by the OEM within one month of placement of order: -
4.4.1 Binding Data of documents should consist of following: -
a) Block diagram of the system.
b) Binding Data of equipment including Top, Bottom, front, rear view with maintenance envelop and special requirement (if any).
c) Schematic of the System including cable pattern numbers & Cable Length.
d) Installation documents (if any) covering detailed procedure for installation with sequence of activities.



- e) Installation drawings indicating overall dimensions, weight, maintenance envelope, etc. of each unit.
- f) Inter unit-cabling diagram with cables specifications.
- g) Cable connection Schedule. (Connectorization Details)
- h) Power supply scheme for the system.
- i) Heat dissipation of individual units in compartment & in close loop ventilation system, as required for the system.
- j) Parts identification list, indicating part no, qty., maker's name, Specification etc.
- k) Cable length limitation etc., if any.
- l) Power consumption of each equipment.
- m) Training Plan.
- n) Drawings.

4.5 **Documentation Associated with STW/Ops-check:** - Documentation associated with equipment setting to Work (STW)/ Operation Check (Ops-chk) shall be submitted by the equipment supplier within the agreed time schedule, with designated classification society and Shipyard/ Indian Coastguard.

4.5.1 STW/Ops-check documents shall include Ops-check schedule, procedure, pre-requisites, data to be recorded, time interval for data recording, formats for data recording, safety and precautions to be observed during trials, estimated time of the trials and all other relevant data/information required for the successful completion of the trials.

4.6 **Technical Manuals for Equipment (Operation, Maintenance & Logistics) :-**

7.6.1 The technical manuals/documentation pertaining to equipment & its associated auxiliaries/support systems, shall include technical description/information, specifications, drawings, installation, operational & maintenance requirements, spares & logistics, etc., in systematic, structured & comprehensive manner.

7.6.2 Under operating instructions, pre-starting inspection/checks, starting & shutdown procedures, functional parameters, trouble shooting, fault analysis, precautions, etc. to be suitably covered.

7.6.3 Procedures for undertaking all maintenance routines till the end of service life (for the entire life cycle) (including major overhaul), are to be clearly specified along with preservation/ de-preservation & upkeep requirements (when equipment is not in use, during long refit of ship).

Procedures for setting to work, test & trials of equipment are also to be well documented.

7.6.4 Following technical manuals/documentation (in hard and soft form) shall be provided by the equipment supplier along with equipment supply.

Table 6

Description	Content	Number of copies
Technical Manuals	Technical Description and Operating Instructions Manual	06



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	Installation Manual	06
	Parts and Tools Catalogue including CPL & PIL in ILMS/SLMS Format	06
Technical Documentation	Installation Drawings	03
	As fitted Drawings	03

NOTE: 1) Draft copy of the above listed Manuals & Documentations (in hard and soft form) shall be prepared by the supplier and shall be submitted to shipyards for comments & to classification society under copy to MDL/ICG for approval, well ahead of the delivery date of the equipment. Approval on the same shall be given within two weeks of receipt of the Manuals & Documentations complete in all respects & required format.

2) Delivery of main equipment shall be considered completed only on receipt of all approved Manuals & Documentations as detailed in Table -6 above.

3) All Manuals & Documentations should be categorised as per the above subject/content description only.

5. During execution of the project, following organizations would be associated for ship design, construction, quality control and Ship trials/acceptance:-

(a)	Design	:	Shipyard / ICG
(b)	Construction	:	Shipyard and CGRPT Mumbai, at Shipyard.
(c)	Quality Control	:	Nominated Classification society
(d)	Ship Trials	:	Indian Coast Guard/Nominated Classification Society.

6. **SERVICES OF ENGINEERS** – Requirement of services of engineers for following tasks would form part of the order and therefore cost for the same to be included in offer:

- Connectorization, Installation, Assistance and supervision as and when required for the System
- Assistance and supervision in finalization of installation drawings by the shipyard.
- Availability of service of engineers (OEM reps) to be provided by the firm for FPV Project at MDL.
- Supervision in preparatory work for installation of the system on board ship and Supervision during installation of the system on board ship to be provided by the Supplier.
- Complete Connectorization/check wire of all system cables (Power Cables, Ethernet) has to be carried out by Supplier.
- Deputation of Engineers for the referred services should be done as per schedule indicated by the yard.
- Carrying out the Receipt Inspection, STW and present the system for Ops-check in standalone mode as well as in integrated mode.

7. **INSPECTION AUTHORITY –**



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- (a) For Design :- MDL/ICG/ CGRPT
- (b) For Drawing approval :- ICG/CGRPT
- (c) Inspection Authority :- N. A for COTs item
- (d) Inspection Agency :- N. A for COTs item
- (e) Receipt Inspection :- CGRPT and MDL.
- (f) Ship Trials :- IRS/ABS Classification Society & CGRPT.

The system will be subjected to receipt inspection (For COTs) and final test and trials by the IRS/ABS Classification Society & CGRPT as mutually agreed with the manufacturer. Any deviation from the mentioned specifications will be brought to the notice of CGRPT (Indian Coast Guard).

8. Maintenance & Logistics:

- a) Equipment supplier shall ensure high reliability and low maintenance of equipment.
- b) Equipment design should therefore ensure ease of maintenance and accessibility to important sub-assemblies/components/accessories.
- c) Equipment supplier shall provide maintenance schedules, planned maintenance intervals and procedure for undertaking maintenance of equipment on-board and ashore

9. Spares:

- a) Installation & Commissioning Consumable, On-Board Spares, Base & Depot Spares, special tools, test equipment, etc., are to be recommended by equipment supplier, taking into account operational and maintenance requirements of the equipment. Equipment supplier shall submit comprehensive list of all types of spares & tools under appropriate category along with the technical offer. Different categories of spares & tools shall be supplied, in consultation with Shipyard/ICG, based upon ranging and scaling by ICG.
- b) Documentation for equipment spares shall include Comprehensive Part List (CPL) & Part Identification List (PIL), for meeting ICG's Logistics Management System (LMS)/Ship's Logistics Management System (SLMS) requirements. All details on spares are to be submitted by equipment supplier in compatible format in electronic media.

9.1 Installation Tools and Commissioning Consumables:

- a) **Installation Tools:** Special tools required for setting to work, testing & tuning, on-board trials (HATs/SATs) and post CST inspection of critical internal parts and reassembly of the equipment and its auxiliary systems shall be supplied. Tools shall be ordered along with the main equipment & delivered along with the main equipment.
- b) **Commissioning Consumables/Materials:** The Commissioning consumables/materials (Junction Box, Switch socket, Connection Box etc.) shall be included in the scope of supply. Commissioning consumables shall be delivered before STW



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of the main equipment, tentative schedule of which shall be indicated in the Tender Enquiry.

- c) An itemised list with cost for the same is also to be indicated in the offer to facilitate their procurement in future, if required.
- d) One set of standard tools adequate for undertaking the maintenance onboard should be supplied along with the offer.

9.2 **On Board Spares (OBS):**

- (i) The manufacturer's recommended list of On-Board Spares (MRL-OBS) required for servicing and maintenance, including breakdown maintenance **for two years of operation after completion of the standard warranty period**, should be included in the scope of supply. A list of On-Board Spares along with the maintenance schedule is to be submitted. The On-Board Spares and special tools shall cater to all on-board maintenance routines and possible repair requirements. Preservation requirements of On-Board Spares, if any, shall be indicated in the offer. The list of On-Board Spares required for auxiliary equipment/system shall also be indicated in the offer.
- (ii) The On-Board Spares shall be ordered along with the main equipment. In case of any defect or deficiency observed in OBS while handing over of OBS to ship's Crew, the same may be made good by the respective OEM without any cost implications.
- (iii) An item-wise list with cost (in LMS format to be submitted in soft copy in Excel) of On-Board Spares, special tools, and test equipment should be as per Appendix-6.
- (iv) The Manufacturer's Recommended List of On-Board Spares has to be recommended based on the likely consumption rate of the spares and on the exploitation pattern of the equipment.
- (v) Firms quoting lesser Manufacturer's Recommended List of On-Board Spares in terms of range and depth will have to make good deficiencies at their cost without any financial responsibility or liability to ICG/MDL within 30 days of intimation to render equipment operational.
- (vi) A certificate of sufficiency of Manufacturer's Recommended List of On-Board Spares is to be submitted by the firm for 03 years of operation of the ship.
- (vii) MDL/ICG would have the option to amend the Manufacturer's Recommended List of On-Board Spares proposed by the firm during the Technical Negotiation of the equipment within quoted price to ensure its sufficiency, based on its past experience of the exploitation of the same or similar equipment.



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(viii) The Manufacturer's Recommended List of On-Board Spares should also include the spare conforming to Classification Society rule requirements for the vessel.

10. Five-Year Base & Depot Spares/Comprehensive Part Lists: Base & depot spares are to cover spares requirements for major maintenance/overhaul requirements for 5 years including two refits.

- a) Recommendation for insurance, on long term storage may be indicated. The firm is to submit Comprehensive Part Identification List (CPIL) and Manufacturer Recommended List of Spares (MRLS) for five years exploitation and maintenance.
- b) Itemized list with cost in editable format along with a copy of the maintenance schedule for the equipment is to be provided in the offer. Itemized list (in LMS format to be submitted in soft copy in excel) of Base & Depot spares should be as per **Appendix-6**
- c) The B & D Spares shall be procured by MDL on behalf of Indian Coastguard. The B & D Spares shall be ordered at a later date, after ranging and scaling of the Spares done by Indian Coast Guard.
- d) The delivery of B&D Spares shall be prior to the Commissioning of the First of Class Ship. Delivery date for the supply of B & D Spares shall be indicated in the Tender Enquiry
- e) Quotation for MRL-B&D along with part no for five years exploitation with price to be supplied along with the offer with item wise cost. The Quotation for spares should have 18 Months validity.

11. INDIGENISATION / LOCAL SUPPORT: (Applicable to equipment with import content)

- a) The supplier is to indicate if the equipment is original OEM supply or manufactured in INDIA under license (specifying the import content). The manufacturer is to engage into a co-operation with a reputed manufacturer of similar equipment's in India and accordingly plan for progressive indigenization.
- b) In this respect, the equipment manufacturer shall confirm that he will be able to authorize priority works at his works and provide the necessary local support as required to meet the ship construction and trial programme and provide the necessary after sale support to the ICG. Future plans for indigenous production of the equipment associated control/monitoring devices and transfers of technology are to be indicated in the proposal for consideration of Indian Coast Guard Headquarters.

12. Product Support: Equipment supplier is to provide product support for ship's life of 20 years. In case the equipment is likely to be obsolescent, the supplier shall notify the Coast Guard with at least two years prior notice, along with valid reasons and recommended solution.



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- a) The firm/OEM to submit undertaking to provide product support for minimum period of 20 years from date of delivery of the vessel.
- b) Undertaking for upgrade/currency of software for all equipment min 05 years from date of delivery of vessel. In case of obsolescence within 05 years from date of delivery of the 14 FPV, the same to be upgraded without any additional cost.
- c) Firm to indicate after sales and product support facilities in India with response time for attending defect and providing spares.
- d) All upgradation and modification carried out on equipment during its life cycle must to be intimated to ICG. Further, any upgradation/modification during guarantee period of the equipment same to be included free of cost.
- e) Firm should agree to enter into the rate contract / All-inclusive Annual maintenance contract (AIAMC) with ICG for maintenance and supply of spares.
- f) The OEMs of electronic equipment being fitted should provide upgradation of the equipment/sub components/software in case of obsolescence within 05 years from date of acceptance of the vessel without any additional cost.

13. Operational Cycle: The operating refit cycle of ship is as follows:

- (a) 1st and 2nd Ops refit cycle – Operation cycle of 24 months followed by a refit.
- (b) 3rd and 4th Ops refit cycle – Operation cycle of 18 month followed by a refit.
- (c) Balance Ops and refit cycle – Operation cycle of 15 month followed by a refit.
- (d) First three refits are short refit (SR) followed by a normal refit (NR). Second NR will be medium repair (MR).
- (e) Short refit is for duration of 04 months. Normal refit is for duration of 05 months and medium refit for duration of 12 months.

14. Interchangeability: Equipment design is to ensure that components and parts having same dimensions and characteristics should be inter-changeable between different units of similar kind in the ship, without affecting the specified equipment performance.

15. Tally and Diagram Plates:-

- 15.1 Cable Tallies as per approved system drawing to be prepared by OEM.
- 15.2 Cable tallies should be supply for both the ends.

16. Shock Mounts:- The equipment would be mounted on shock mounts on-board the ship. Suitable shock mounts are to be provided by the firm.

17. Lifting Arrangement: - Equipment components weighing more than 40 kilograms are to be provided with eyebolts/lifting arrangement, for ease of handling/lifting on board the ship or ashore. During transportation/transit of equipment, adequate provisions (such as supports, locking arrangement, jacking, etc.) are to be made for preventing any damage to the equipment & its associated components. Any component requiring special handling shall be clearly marked and appropriate handling instructions shall be provided by equipment supplier. One set of special lifting gear (if any) shall be supplied to shipyard.



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18. Packing & Shipping:

- a. All equipment shall be adequately packed and protected with supports to ensure adequate protection during all methods of transportation. The container shall clearly indicate the commodity description with caution marks, weight, size, etc.
- b. A separate document giving complete details & instruction for storage, preservation, handling & transportation after delivery shall be supplied & a copy must be included with the shipping document. The supplier should indicate the delivery schedule port of embarkation, transport, packing, preservation, insurance etc.
- c. The list of actual deliverables against each of the above serials shall be forwarded to shipyards in soft copy (MS Excel format) with required part nos. within one week of finalization of PNC in order to detail them in the purchase order.

19. Training :

- a) The equipment supplier is to impart training, to ship's crew, on aspects related to operation, installation, maintenance and repair of the equipment.

20. Security of Information: The information contained in this document is not to be divulged to any other firm/third party without the prior permission of the Indian Coast Guard and MDL. Adequate measures are to be taken to ensure safe custody of this document.

21. Warranty:

- 21.1 The equipment along with associated auxiliaries/components shall be warranted by the equipment supplier for the stipulated performance for a period of twelve (12) months from the date of delivery of equipment to MDL or twelve (12) months after planned delivery date (D) (mentioned in subsequent Para) of the ship by shipyard MDL to the Indian Coast Guard, whichever is later. This is to be referred as 'Standard Warranty'.
- 21.2 During the said period, the equipment supplied shall be warranted against any malfunction, defects, material failure, non-compliance to ordered specifications, sub-optimal performance, design deficiency, poor workmanship and quality. Any expenditure on account of equipment malfunction, repair or supply of spares against warranty defects shall be borne by the equipment supplier. If any defective part is required to be taken back to OEM's factory/works (i.e. importing and re-exporting from Country of origin) for the purpose of service, the entire liability including expenditure towards the same shall be borne by the supplier. The spare parts required / consumed for scheduled servicing & maintenance activities in the period of 'Standard Warranty' shall also be provided by the OEM without any commercial implication.
- 21.3 The Supplier warrants for a period of 12 months from date of acceptance of the 14 FPV by the Shipyard at the designated Indian port or as applicable, that the vessel and the associated equipment and service supplied under this contract and



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each component used in the manufacture there of shall be free from all types of defects/failures.

- 21.4 In case of systems/equipment, which have not completed trials prior delivery, the warranty of that particular system/equipment and service would commence from the day of successful completion of trials. The Supplier will undertake update (if any) of software's for all equipment up to 5 years from the date of acceptance of the vessel.
- 21.5 If within the period of warranty, the 14 FPV and (or) stores and (or) spares are reported by the Shipyard to have failed to perform as per the specifications, the Supplier shall either replace or rectify the same free of charge, maximum within 15 days of notification of such defect by the Shipyard provided that the goods are used and maintained by the Shipyard as per instructions contained in the operating Manual.
- 21.6 Warranty of the equipment would be extended by user in log book, Spares and all consumables required for warranty repairs shall be provided free of cost by Supplier. All activities including diagnosis, rectification, calibration, transportation etc., required for making equipment serviceable and available would be Supplier's responsibility.
- 21.7 The Supplier also undertakes to diagnose, test, adjust, calibrate and repair/replace the goods/equipment arising due to accidents by neglect or misuse by the operator or damage due to transportation of the goods during the warranty period, at the cost mutually agreed to between the Shipyard and the Supplier subject to acceptability by the Shipyard. The Supplier shall intimate the assignable cause of the failures.
- 21.8 Supplier hereby warrants that necessary service and repair backup during the warranty period, shall be provided by the Supplier and he will ensure that cumulative downtime period for the 14 FPV and or the fitted equipment /system equipment does not exceed 45 days of the warranty period. Thereafter, the Shipyard reserves the right to make good the defects at Suppliers risk and cost.
- 21.9 If the associated equipment and service, spares of 14 no's of FPV fails frequently and/or, the cumulative down time exceeds 45 days of the warranty period or a common defect is noticed repeatedly with respect to a particular item/component/sub-component, that complete item/ equipment shall be replaced free of cost by the Supplier within 45 days of receipt of the notification from the Shipyard duly modified/upgraded through design improvement in all equipment supplied/yet to be supplied and Engineering Support Package (ESP) supplied/yet to be supplied. Thereafter, the Shipyard reserves the right to make the defects at Supplier risk and cost.
- 21.10 In case the complete delivery of the ESP is delayed beyond the period stipulated in this contract, then the Supplier undertakes that the warranty period for the goods/stores shall be extended to that extent.



21.11 The Supplier warrants that the 14 FPV's, the associated equipment and service supplied will conform to the Temperature and Humidity conditions as mentioned in this document.

21.12 The Supplier agrees to provide back to back warranty of equipment /system or any other item whose specified warranty by the OEM is more than 12 months and shall extend the same warranty to the Shipyard at no. additional terms and conditions.

22. **Planned Ship Delivery date(D):** The planned date for delivery of the Ships to the Indian Coastguard by MDL are tabulated below:

Sl. No.	Yard No.	Planned Delivery Date
1.	16501	Sep-2026
2.	16502	Dec-2026
3.	16503	Dec-2026
4.	16504	Dec-2026
5.	16505	Mar-2027
6.	16506	Jun-2027
7.	16507	Sep-2027
8.	16508	Dec-2027
9.	16509	MAr-2028
10.	16510	Jun-2028
11.	16511	Sep-2028
12.	16512	Dec-2028
13.	16513	Mar-2029
14.	16514	Jun-2029

23. **Weight Recording / Weight Certificate:** Weights of all components are to be recorded and a suitable certificate shall be submitted, by the equipment supplier. The designated inspection authorities shall countersign such certificates. Format for weight control data sheet, is placed at **Appendix-3** of this document.

23.1 Net weight of each component is to be recorded in presence of designated inspection authority and the weight certificate is to be submitted by the equipment supplier, along with equipment supply. Format for weight certificate, is placed at **Appendix-4** of this document.

23.2 The supplier shall have to submit, reasons for variation between allocated weight and actual/certified weight for each and every item, wherever applicable, to Coast Guard and MDL for their consideration and further necessary action.

24. **Technical Assistance:**

24.1 The Supplier shall provide the necessary representative(s) as and when required, in carrying out inspection and supervise the work that is done on the equipment, during the following phases:

- Preparation for installation of equipment by shipyard.
- Setting to Work.



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- c) Ops-Check.
- d) Assistance in trouble shooting.
- e) Post CST equipment Inspections.
- f) Assistance in operation during equipment guarantee period.

24.2 The supplier shall indicate total cost for executing all technical assistance activities mentioned above, in the price bid. Activity-wise cost break up shall also be given in the price bid, to facilitate the payment on satisfactory completion of the activity.

24.3 Shipyard has to progress on ship construction activities, simultaneously on ships of the coastguard project or on ships of different projects. View this, there shall be every likelihood of clash of requirement of technical assistance. In such eventuality, in order to avoid delays on one ship due to similar work requirement on other ship, supplier shall depute their dedicated separate/independent team of supervisors/specialists for required technical assistance, on the required ships. Rotation of supervisors/specialist amongst the various ships/projects shall be avoided.

24.4 The supplier shall provide checklist for installation and setting to work to the shipyards to ensure the completeness of the activities by shipyards in order to avoid waiting period of the supplier specialists.

25. **Receipt Inspection:** All items will be subjected to final inspection by Inspection authority CGRPT (MBI). Receipt inspection for the major equipment shall be carried out in the presence of OEM rep/Supplier to verify completeness of the scope of supply and intactness of the supplied equipment. Defective / damaged parts and deficiency, if any, in supply shall be made good by OEM free of cost. OEM shall be intimated the date of receipt inspection.

26. **Compliance Matrix** - A compliance matrix, in the following format, shall be submitted by the Suppliers along with their offer, for each Para, including Para which are not applicable; separately for TSP.

TSP Para Reference	Offer Para reference	Remarks if any
--------------------	----------------------	----------------

27. **Supplier's responsibility-**

- a) Supplier to Prepare system drawing/Cable drawing in AutoCAD .dwg format .
- b) Supplier to prepare cable schedule, connection schedule of the system.
- c) Connectorisation of the delivered equipment and termination of the cable will be done by OEM onboard.
- d) Interfacing of third party equipment/System and handshaking of data will be OEM's responsibility to prove system on board.



SECTION II

1. Scope of Supply –

- 1.1 The Scope of Supply includes Supply, Installation, Testing, Commissioning, Training, Documentation, STW, Ops-check (operational Check) of Local Area Network (LAN) for Indian Coast Guard Ship.
- 1.2 The above LAN Systems consist of PC's, Servers, Printer, Xerox, camera, laptop etc. The above mention system is envisaged to fulfil the internal communication and data exchange needs meeting all on-board requirements.
- 1.3 The detail Scope of supply covering Binding Data, Manufacturing, Supply, Ops-check, Commissioning, Training and Trials and complete supply of LAN for Fast patrol Vessel is elaborated below :-

2. System Configuration: -

LAN System				
Sr. No	Title	Sub-Equipment's	Quantity/ Ship	Unit
A	Local Area Network (LAN)	1) 24U Conventional rack	01	No.
		2) Server with pre-loaded Licensed Software	01	No.
		3) UPS for Server & Ethernet Switch for 30 min backup	01	Set
		4) 24 Port Ethernet Switch	01	Nos
		5) Computer with UPS and Preloaded Operating system of Windows 10 Pro or latest	11	Nos
		6) 0.8 KVA Online UPS with 30 Min runtime for each PC	11	Nos
		7) Laser Jet colour printers	03	Nos
		8) Modem	01	No
		9) Multi-Function Device	01	Nos
		10) Scanner	02	Nos
		11) Heavy Duty Copier	01	Nos
		12) Digital Video Camera	01	Nos
		13) DSLR	01	Nos
		14) Laptop	01	Nos
		15) Paper Shredding Machine	02	Nos



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		16) Microsoft Office 23 with Hindi version or latest for each PC	11	Nos
		17) Reputed Anti-Virus Software - 03 years validity for each PC	11	Nos
		21) CAT 6+ cable	500	Meter
		23) Installation Material for LAN System	01	Set
		24) 04 Socket Spike Protector with one switch, supply on indication and fuse (Make - Havells/Philips/Anchor)	01	No
B	Crypto PC	18) Crypto PC (for Crypto work) with printer & security device (enhanced finger printing ID Biometric kit)	01	Nos
		19) Installation Material for Crypto PC.	01	Set

2.1 Any other accessories/software/Installation material/set-up require other than mention in above table for making System Up & functional has to be catered by the supplier free of cost.

2.2 The detailed requirements for the system stated above are enumerated in succeeding paragraphs.

3. TECHNICAL REQUIREMENTS AND SPECIFICATIONS OF LAN:-

- a) The scope of work includes Supply, Installation, Configuration, Testing, Commissioning and training of Administrative LAN System as per below Specification for fourteen ships of FPV Project.
 - b) All Computers are to be configured
 - c) Supply of all components as per the bill of material. There should not be mix and match of active components. These should be preferably of the same manufacturer for case of a common tool for monitoring.
 - d) Supply of all documentation and other deliverables.
 - e) Associated cable work, crimping, etc. and installation of all passive components.
 - f) Installation, Configuration and commissioning of all active and passive components.
 - g) Install, configure and commission all software components E.g. OS.
 - h) Configuration, Integration and bringing up all the nodes.
 - i) Training of LAN.
 - j) No Internet connection shall be provided on ships. Supplier has to make necessary arrangement of Portable CD drive to install software or drivers (if required).
 - k) The Supplier shall provide 45 Nodes or Node points for overall LAN System nad Patch code from I/O to I.T equipment.
 - l) The LAN System should be connected via CAT 6+ cable.
 - m) The Parts & accessories of LAN equipment shall be easily available in local market.
- Following are the minimum required Configuration and Features of LAN. However, Supplier should supply complete package of the System.



3.1 24U Conventional Rack :-

Sl. No.	Description	Qty	Unit
1	24U Conventional Rack	1	No

1. The Scope of Work includes Supply, Installation & Commissioning of 01 Numbers of Conventional Rack with UPS of minimum 30 Minutes backup for Server & Ethernet switch with its Installation material.
2. The Rack should support 19" width of IT equipment like server, Switches & Router.
3. The Racks height should not exceed 1800mm including top fan outlet (if any) and 600 width for Server application
4. The Rack should have UPS connected with minimum Battery backup for 30 Minutes, Power Distribution unit with dual power supply facility and cable tray.
5. The manufacturer should include mounting hardware for equipment fixing.
6. The front and rear doors should be easily detachable. And Easily Openable
7. Grounding and bonding as per UL Standards
8. The unit should have sufficient ventilation to provide adequate airflow required by the major Network manufacturers.
9. Rack should have provision for cable Entry and Exit from both top and bottom
10. Rack should have Front Toughened Glass Door with lock and key
11. The unit should be shipped fully assembled as one orderable Unit.
12. Suitable arrangements to be provided to mount these equipment's on-board Ship using shock/vibration Mounts based on the equipment fully loaded weight.

3.2 UPS with Batteries :-

S/N	Description	Qty	Unit
1	COTs Grade True Online UPS for Server and 24 port Ethernet Switch with 30 Min battery backup	1	No
2	Sealed maintenance free batteries with battery Rack	As required	

- 1) True online COTs UPS.
- 2) Robust Mechanical design
- 3) Supplier should provide heavy duty 1.5 KVA UPS or UPS of power rating for backup of 30 min (For 01 servers and 01 no of 24 port Ethernet switch).
- 4) Supplier should indicate the power consumption of server, switch etc. to decide correct UPS power rating.
- 5) UPS shall be of reputed make i.e. either Numeric/V-Guard/WAP/APC. Further, same to be supplied at the time of System commissioning.
- 6) Sealed maintenance free batteries to be provided during STW of the system with suitable warranty provisions in a casing /cabinet and ups with suitable mounting arrangement On-Board Ship including cabling & Installation.
- 7) Warranty: As per warranty clause
- 8) The batteries of the UPS are to be housed separately in order to avoid any damage to servers/switches view damage to batteries. The batteries used are to be Maintenance free sealed Batteries, leak proof modules. UPS should be integrated with Server Rack.
- 9) The server Rack and Battery backups are to be housed separately in two different compartments. The distance between Integrated UPS and Battery Rack to be catered accordingly by supplier.



10) For UPS power supply input, suppliers are advised to consider Ship power supply before bidding. In case of any Transformer requirement, same has to be catered by Supplier.

3.3 Server: -

S/N	Description	Qty	Unit
1	Server	1	No

- a) 19 inch Rack Mountable with Rack mounting Kit and Cable Management Arm (CMA)
- b) **Height:** 1U/2U
- c) **Processor :-** Intel Xeon Dual core processor or latest.
- d) The server should have preloaded licensed software (Minimum Windows Server 2008 Enterprise Edition or latest).
- e) Raid Controller: Minimum 3 port SAS/SASTA Controller with 1 Gb Cache
- f) **Monitor:** 19" Backlit Monitor, TCO certified or higher.
- g) **Keyboard:** 104 keys standard keyboard.
- h) **Mouse:** Optical mouse (2 buttons & scroll) with mouse pad.
- i) **Networking:** Dual LAN (10/100/1000) Network card suitable for interconnecting all the allied I.T equipment.
- j) Energy efficient
- k) Configuration of Server and its components will be as per the Ship staff requirements.
- l) All eleven computers shall be connected through LAN with CAT6+ cabling.
- m) The Server shall be of reputed make and shall be of either M/s HP/ M/s DELL/ M/s ASUS/ M/s HCL make.
- n) Warranty :As per warranty clause

3.4 Ethernet Switch :-

S/N	Description	Qty	Unit
1	a) 24 Port Ethernet Switch	1	No

- a) Suitable 24 Port Ethernet Switch for connecting Server, Computers, Printers, Scanners & Modem.
- b) The Switch should be offered in such a way that it should fit the overall LAN requirement.
- c) The Ethernet Switch shall be of reputed make.
- d) Supplier should note that all 11 computers, server, Printers & Scanners, up link/downlink will be connected to this Ethernet Switch. Supplier should cater for all the ports required for functioning of same.

Note: All necessary licenses for meeting the compliance as stated in the specifications to be included.

3.5 Computer :-

S/N	Description	Qty.	Unit
1	Computer with UPS and Preloaded Operating system of Windows 10 Pro or latest	11	Nos

- a) Eleven (11) number of PCs of latest version.



- b) **Chipset:** - 8 core processor 12 generation or latest, Intel original motherboard.
- c) **Memory:** - 16 GB DDR3 RAM with adequate expandability.
- d) **Hard Disk:** Minimum 500 GB SSD or 1TB Hard disk.
- e) **Monitor:** - 18.5" LED/TFT Digital Colour Monitor (Same as desktop OEM)
- f) **Mouse & Keyboard:** - Cordless mouse and keyboard.
- g) **DVD:** - 02 DVD drive with one DVD writer.
- h) **USB:** - minimum 06 USB port.
- i) **Networking:** - 10/100/1000 on board integrated Network port and compatible with CAT6+ cabling.
- j) Inbuilt Speakers with provision to Wi-Fi enable.
- k) All 11 computers shall be connected through LAN with CAT 6+ cabling.
- l) Preloaded licensed software of minimum Microsoft Windows 10 Pro with media or latest operating system.
- m) Supplier should also supply Microsoft Office 23 with Hindi version or latest for each PC.
- n) Reputed Anti - Virus Software with 03 years' validity from the date of Supply.
- o) Since the computers are to be installed on-board ship, proper securing arrangement has to be provided by Supplier.
- p) The computer shall be of reputed make and shall be of either M/s HP, M/s DELL, M/s ASUS or M/s HCL make.
- q) **UPS for Computers –**
 - i. Minimum 0.8 KVA UPS for each PC.
 - ii. Type-online.
 - iii. Back up time :30 minutes.
 - iv. overload protection.
 - v. short-circuit protection.
 - vi. surge protection.
 - vii. COTs UPS shall be of reputed make i.e. either Numeric/V-Guard/WAP/APC. Further, same to be supplied at the time of System commissioning.
- r) Supplier should provide appropriate securing arrangements

3.6 **Laser Jet colour printers :-**

S/N	Description	Qty.	Unit
1	A4 size Laser jet colour printers	03	Nos

- a) 03 Laser jet colour printers.
- b) Print Speed – Upto 30 ppm in black & white and upto 20 ppm in colour.
- c) Paper Capacity- up to 500 sheets.
- d) Automatic duplex printing.
- e) Connectivity - USB, Ethernet and Wi-Fi. It will be connected to LAN.
- f) Automatic document feeder.
- g) In Built scanning facility.
- h) Touchscreen display.
- i) The Laser Jet colour printer shall be of reputed make.

3.7 **Modem :-**

S/N	Description	Qty.	Unit
1	Modem upto 1GB/s download Speed and 250 Mbps upload speed.	01	No



- a) Data Rates: Up to 1 Gigabit per second download speed and up to 250 Mbps upload speed.
- b) The Modem shall be of reputed make.

3.8 Multi-Function Device :-

S/N	Description	Qty.	Unit
1	Multi Function device	01	No

- a) The device Should have Print, Copy, scan & fax functionality.
- b) **Print Speed in of A4** – Up-to 30 ppm in black & white and upto 20 ppm in colour.
- c) **Print Resolution** - upto 1200 x1200 dpi.
- d) **Paper Capacity** - Upto 500 sheets.
- e) **Scanning Resolution** - Upto 600 x 600 dpi.
- f) **Connectivity** – USB, Ethernet & Wi-Fi.
- g) Automatic document feeder.
- h) Touchscreen Display.
- i) Automatic duplex printing.
- j) Printer should have mounting arrangement suitable for mounting on ship Deck/Bulkhead Mounting.
- k) The Multi-Function Device shall be of reputed make.

3.9 Scanner :-

S/N	Description	Qty.	Unit
1	Flatbed Scanner	02	Nos

- a) 02 numbers of Flatbed Type Scanners.
- b) Print Speed should be upto 25 ppm in Black & white and upto 20 ppm in colour.
- c) Print Resolution should be upto 600 x 600 dpi.
- d) Paper Capacity should be 50 sheets.
- e) Scanning Resolution should be 600 x 600 dpi.
- f) It should have USB connectivity.
- g) Automatic document feeder shall be provided.
- l) The Scanner shall be of reputed make.

3.10 Heavy Duty Photocopier :-

S/N	Description	Qty.	Unit
1	Heavy Duty Photocopier with LAN Connectivity	01	Nos

- a) 01 number of Heavy duty photocopier with LAN connectivity.
- b) Print Speed should be Up-to 75 ppm in black and white.
- c) Print & Scan Resolution should be Up-to 1200 x 1200 dpi.
- d) Paper Capacity should be Up-to 2000 sheets.
- e) It should have LAN connectivity & Wi-Fi.
- f) **Security Features** - User authentication, access control and data encryption.
- g) It should have Large touchscreen display, finishing options, document scanning and should support cloud connectivity.
- h) The Heavy Duty Photocopier shall be of reputed make.



3.11 Digital Video Camera :-

- 01 number of Digital Video camera with telephoto lens and cables for connecting to PCs.
- Minimum resolution of 4K.
- Screen size 3 inches.
- Zoom lens minimum 20X.
- Optical sensor 6MP.
- Photo sensor size 3½.
- It should support Wifi feature.
- Should be supplied with standard accessories.
- The Digital Video Camera shall be of reputed make.

3.12 DSLR Camera :- Should have following Features

- 01 number of DSLR camera with all accessories (Min specs of optical sensor resolution 32.4 MP.
- Screen display 3inch.
- High-speed continuous shooting upto 10 fps.
- Easy connectivity via Wifi, Bluetooth, USB.
- camera bag and other Standard accessories.
- The DSLR shall be of reputed make.

3.13 Laptop :-

S/N	Description	Qty.	Unit
1	Laptop With Preloaded Operating system of Windows 11 pro or latest version	01	Nos

- 01 number of Laptop of Latest Version
- Chipset: - Minimum i7, 12th Gen Processor.
- Memory: - Minimum 08GB RAM.
- Storage: - Min 512 GB SSD.
- Display: - Minimum 14" Display with integrated graphics card.
- Operating System - Windows 11 Pro or higher.
- The Laptop shall be of reputed make.

3.14 Paper Shredding Machine :-

- 02 number of Paper shredding machine (Cutting type - Strip-cut, Cross-cut or Microcut)
- The Paper Shredding Machine shall be of reputed make.

4. TECHNICAL REQUIREMENTS AND SPECIFICATIONS OF CRYPTO PC

I. The Scope of work includes Supply, Installation & Commissioning of Crypto PC (for Crypto work) with printer & security device (enhanced finger printing ID Biometric kit).

II. Following are the technical specification for Crypto PC

Sr. No	Technical parameter	Description of Technical parameter	As Required
1	Operating	Operating System (factory Pre-loaded)	Windows 11



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	System	Professional
	Recovery Image media	On line / Cloud
	OS Certificate	Windows
	Chipset	I7 or higher, 12 th Generation or higher
	Number of cores	12 processing core or higher (core to process in hyper threading)
2	Memory	Type of RAM
		DDR4
	RAM Size (GB)	8
	RAM Speed (MHz)	2666
	Total Number of DIMM Slots Available	2
	Number of DIMM Slots populated	1
	RAM Expandability up to (using spare DIMM Slots in GB)	64
3	Storage	Total Number of Internal of Internal Bays available
		1
	Number of 3 point 5 inches Internal Bays	1
	Number of 3 point 5 Inches Internal bay populated	1
	Type of Drives used to populate the Internal bays	HDD
	Number of Internal Bays populated with HDD	1
	Capacity of each HDD (GB)	1000@7200 rpm
	Total HDD Capacity (GB)	1000
4	Cabinet version	Cabinet Form Factor
		SFF (7 TO 13 Litres)
	Cabinet Volume (Litres)	7.6
	External Bays (Number)	1
	Optical Drive	N/A
	Internal Speaker	No
	Audio-In	Yes
	Audio-Out	Yes
	Headphone Out	Yes
	Microphone-in	Yes
5	Connectivity	Wireless Connectivity
		No
	If yes, Type of Wireless Connectivity	NA
	Number of Ethernet Ports	1
	Types of Ethernet Ports	10/100/1000 on board Integrated Gigabit Port.
	Bluetooth Connectivity	No
6	Ports	Number of USB Version 2 Points 0 Ports
		4
	Number of USB Version 3 Points 0/3 Point 1, Gen 1 Ports	4
	Number of Serial Port	1
	Number of VGA Port	1
	Number of HDMI Port	1



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7	Monitor	Size of the Monitor	21.5"
		Monitor Technology	TN
		LED Backlit Monitor Size (INCHES)	21.5
		Monitor Resolution (PIXELS)	Minimum 1600 X 900
		TCO Certification for Monitor	8.0
		Number of VGA Ports in the Monitor	1
		Number of HDMI Ports in the Monitor	1
8	Power	Power Supply Capacity (Watt)	180
		Minimum Power Efficiency range (%)	90 - 94
9	Certification	ROHS Compliance	Yes
		DEE/Energy Star for the given Model	Yes
10	Input Devices	Mouse Connectivity	Wired
		Type of Mouse	Optical Scroll
		Keyboard Connectivity	Wired
11	UPS	0.8 KVA line interactive UPS to provide 30 minutes backups on running load	
12	Make	The Computer shall be of reputed make.	
13	Software	Crypto Software is in ICG scope.	

**I. Printer & security device (enhanced finger printing ID Biometric kit)
Specification for Crypto PC :-**

A) Laser Jet colour printers & Biometric Kit for Crypto PC:-

- 01 number of Laser jet colour printers.
- Print Speed – Upto 30 ppm in black & white and upto 20 ppm in colour.
- Paper Capacity- up to 500 sheets.
- Automatic duplex printing.
- Connectivity - USB, Ethernet and Wi-Fi. It will be connected to LAN.
- Automatic document feeder.
- The Laser Jet colour printer shall be of reputed make.
- Supplier should provide Enhanced finger printing ID Biometric kit for Crypto PC
- The Biometric kit shall be of reputed make.

5. DELIVERY TIMELINES

The delivery timeline for LAN of all the Fourteen (14) Yards are as follows:-

Timelines for Deliverables of LAN for FPV of ICG

Sr No	Activity	Yard 1650 1	Yard 1650 2	Yard 1650 3	Yard 1650 4	Yard 1650 5	Yard 1650 6	Yard 1650 07	Yard 1650 08	Yard 1650 09	Yard 1650 10	Yard 1650 11	Yard 1650 12	Yard 1650 13	Yard 1650 14
	Placement of Order	P													
1	Submission of Binding Data (BD) along with other relevant document to MDL & ICG	P + 2 Months													



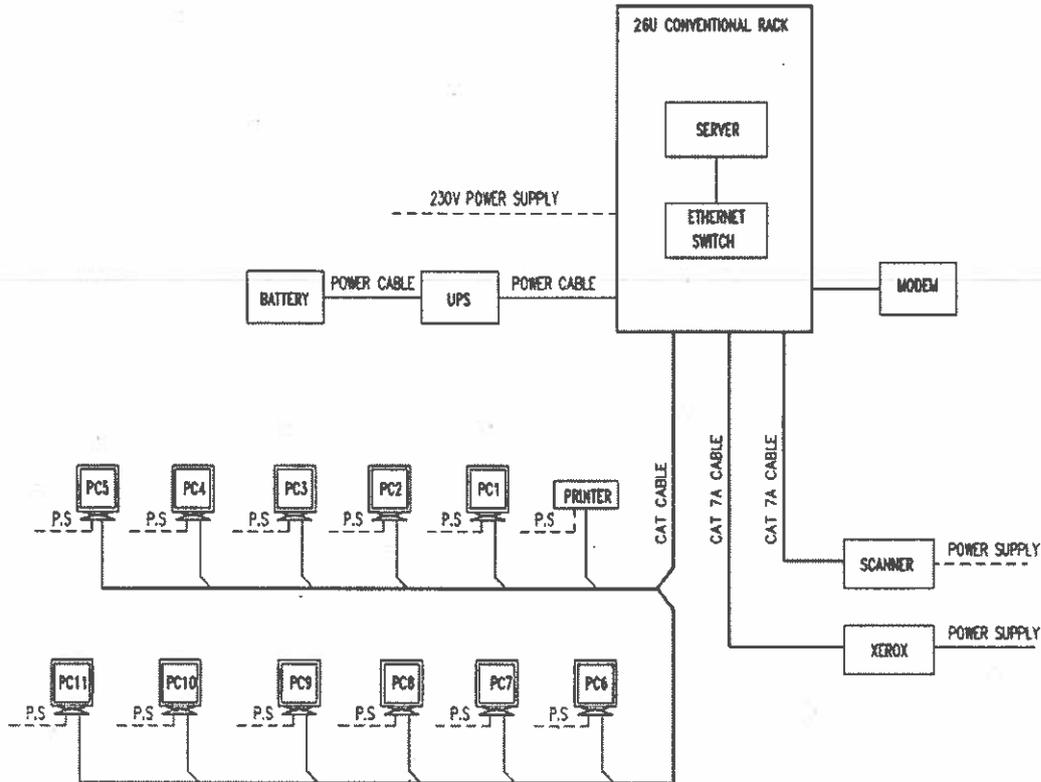
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2	Delivery date of Installation Material	P + 3 M	P + 6 M	P + 9 M	P + 12 M	P + 15 M	P + 18 M	P + 21 M	P + 24 M	P + 27 M	P + 30 M	P + 33 M	P + 36 M	P + 39 M	P + 42 M
3	Delivery date of main Equipment	P + 3 M	P + 6 M	P + 9 M	P + 12 M	P + 15 M	P + 18 M	P + 21 M	P + 24 M	P + 27 M	P + 30 M	P + 33 M	P + 36 M	P + 39 M	P + 42 M
4	Delivery date of OBS	P + 3 M	P + 6 M	P + 9 M	P + 12 M	P + 15 M	P + 18 M	P + 21 M	P + 24 M	P + 27 M	P + 30 M	P + 33 M	P + 36 M	P + 39 M	P + 42 M
5	Installations & Connectorization of System, Setting to Work and Ops Check of System	P + 4 M	P + 7 M	P + 10 M	P + 13 M	P + 16 M	P + 19 M	P + 22 M	P + 25 M	P + 28 M	P + 31 M	P + 34 M	P + 37 M	P + 40 M	P + 43 M
6	Training	P + 4 M	P + 7 M	P + 10 M	P + 13 M	P + 16 M	P + 19 M	P + 22 M	P + 25 M	P + 28 M	P + 31 M	P + 34 M	P + 37 M	P + 40 M	P + 43 M
7	Delivery of Documents	P + 3 M	P + 6 M	P + 9 M	P + 12 M	P + 15 M	P + 18 M	P + 21 M	P + 24 M	P + 27 M	P + 30 M	P + 33 M	P + 36 M	P + 39 M	P + 42 M



INDICATIVE BLOCK DIAGRAM OF LAN (FPV)



* P.S. - POWER SUPPLY



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APPENDIX - 1
(Refer Para No. 1.4)

DEVIATION LIST

The Supplier shall fill in this form for the deviations of their bid from the requirements as stated in the Material Requisition. If no deviation is required Supplier shall fill in "NIL" in the 'Deviation column. Supplier shall sign/date and affix their company seal.

SR. No.	DOCUMENT No./ CLAUSE No.	REQUIREMENT	DEVIATION WITH REASONS	ICG/ MDL REACTIONS

SUPPLIER'S COMPANY SEAL

SUPPLIER'S SIGNATURE & DATE

A-ACCEPTED N-NOT ACCEPTED C-CONDITIONAL ACCEPTANCE (SEE ATTACHED SHEET)

ICG's COMMENT ON DEVIATION.



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APPENDIX- 2
(Refer Para No. 2.1)

CERTIFICATE OF CONFORMITY

(To be filled in by the **SUPPLIER** & submitted as part of the Offer)

M/s. _____

With reference to the subject **Requisition** received along with the MDL Inquiry and our QUOTATION No. _____ Dated _____ we hereby confirm / clarify the following:

1. **REGISTRATION WITH CGP/ MDL:**

We are NOT Registered / already REGISTERED (*) with _____ for manufacture and supply of following items

- (a) _____
(b) _____

2. **PAST PERFORMANCE:**

We have NOT Supplied / have SUPPLIED (*) identical / similar (*) ITEM to MDL in the past. The relevant Order references are given below :

- (a) _____
(b) _____

3. **REQUISITION / DRAWINGS / SPECIFICATIONS / SOR:**

We ARE NOT / ARE (*) fully aware of the relevant Drawings / Specifications / TSP etc. indicated in the REQUISITION and the related Documents.

4. **DEVIATION:**

The OFFER is fully in compliance with the Requisition WITHOUT any deviation / EXCEPT for the deviations listed in the attached format (*).

5. **BINDING DATA:**

OUR Drawings with necessary BINDING DATA such as Overall Dimensions, SEATING Details / Bolting Plan, Connection / Interface Details, Face to Face Dimensions is ENCLOSED / NOT Enclosed (*) with the offer. We have noted that any change in Binding Data shall require specific approval from MDL/IHQ of MoD (N).

6. **DOCUMENTS / DATA:**

The following Technical Documents / DATA SHEETS are enclosed herewith

- (a) (To be specified if applicable)

For M/s. _____

Signature: _____

Date : _____

Stamp: _____

(*) Strike out which is **NOT APPLICABLE**.



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APPENDIX-3
 (Refer Para No. 3..1.5)

WEIGHT CONTROL DATA SHEET

EQUIPMENT DESCRIPTION		EQUIPMENT NO.	
COMPARTMENT		LOCATION	

SWBD :

- TOLERANCE CODE
 PRELIMINARY EST.
 DESIGN EST.
 M.T.O (CALC)
 WEIGHED
 TOLERANCE ± %

1. WEIGHT (Kg.)

(a)	DRY		Kg ±	%
(b)	FLUID		Kg ±	%
(c)	OPERATING		Kg ±	%
(d)	TEST		Kg ±	%
(e)	TOTAL		Kg ±	%

2. EQUIPMENT DIMENSIONAL DATA (mm) & Co-ordinates of CoG

 PLAN ELEVATION	 PLAN ELEVATION	 PLAN ELEVATION
---	---	---

OVERALL SIZE		CENTRE OF GRAVITY	
'A'		'X'	
'B'		'Y'	
'C'		'Z'	

NOTE :

- ALL OFFERS SHALL INCLUDE THIS DATA SHEET DULY FILLED IN BY THE SUPPLIER (SIGNED, DATED & SEAL AFFIXED).
- ALL FINISHED ITEMS SHALL BE WEIGHED & A CERTIFICATE SHALL BE PROVIDED AS PER ATTACHED SHEET.
- SEPARATE SHEETS SHALL BE COMPLETED FOR EACH INSTALLED EQUIPMENT.
- ORIGIN OF 'X', 'Y' AND 'Z' TO BE INDICIATED.

SUPPLIER'S SEAL

SUPPLIER'S SIGNATURE & DATE



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APPENDIX - 4
(Refer Para No. 4.2.1)

WEIGHT CERTIFICATE

EQUIPMENT DESCRIPTION:

EQUIPMENT NO. :

The form shall be completed by Supplier & shall be supplied along with the equipment.

SUPPLIER'S NAME		Ref. Drg. No.	
ADDRESS		Part No.	
TELEPHONE NO.		EQPT. NO.	
ORDER NO.			

METHOD OF WEIGHING:
Supplier shall prescribe Method & Equipment Used:

	DATE OF LAST CALIBRATION	SPECIFIED ACCURACY REQUIREMENT
	NOTE :-	

RESULT OF WEIGHING TOTAL EQUIPMENT DRY WEIGHT

(Excluding packing, temporary protection etc.)

ALLOCATED WEIGHT

(Weight estimate agreed by purchaser and supplier based on order specs).

REASONS FOR VARIATION BETWEEN ALLOCATED WEIGHT AND CERTIFIED WEIGHT:

WEIGHING ADDRESS:

Date:

WITNESSED BY

FOR SUPPLIER

FOR PURCHASER

Representative

Representative

Signature / Date & Seal

Signature/Date & Seal



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APPENDIX - 6
**MANUFACTURER'S RECOMMENDED LIST OF SPARES TOOLS AND SOFTWARE (MRL-
OBS)**

VESSEL/ EQUIPMENT: 14 FPV

S r N o	Eqpt Part No./ Model no./SI No.	Eqpt Descripti on	OEM Name	Vend or Name	Illustrated Spare Part List (ISPL) Reference/ Part No. of	Desc of Spare	Count ry of Origin	Unit Pric e	Seller Order No. & Date	Curre ncy Code	Tot al Qty	V E D* C at eg or y	Reco mme nded scale for 01 Traini ng Ship	Re mar ks

MANUFACTURER'S RECOMMENDED LIST OF SPARES (MRL-B&D)

VESSEL/ EQUIPMENT: 14 FPV

S e r N o	Eqpt Part No./ Model no./SI No.	Eqpt Descripti on	OEM Name	Vend or Name	Illustrated Spare Part List (ISPL) Reference/ Part No. of Spare	Desc of Spare	Count ry of Origin	Unit Pric e	Seller Order No. & Date	Curre ncy Code	Tot al Qty	V E D* C at eg or y	Reco mme nded scale for 01 Traini ng Ship	Re mar ks

*VED- VITAL / ESSENTIAL/ DESIRABLE analysis of spares to be carried out by OEM prior to submission to the Buyer.

Original Equipment Manufacturer (OEM): _____ (Complete Address)

- Data regarding maintenance spares/stores like lubricants, sealing compound, gases should be given separately giving source of supply.
- Data furnished as OBD and B&D should also include software backups, as applicable
- In "Remarks" column following information (if applicable) be given:-
 - If an item has a shelf/operational life it be marked as 'G' and life be indicated
 - Matching set of components be indicated.
 - Item which can be locally manufactured in India should be marked 'LM'.
 - Items which cannot be manufactured in India due to sophisticated design/ technology may be marked as 'SI' (Special Item).
 - If a component/assembly is common to other similar equipment offered by the OEM earlier, these should be marked 'CM' and Name of the equipment be indicated.
- OBS and B&D spares list should be drawn out of the 'Part List' of the equipment, which should be separately given as part of Technical Manuals.
- If the main equipment consists of other equipment, then OBS and B&D spares list should be prepared for them under proper heads. OBS and B&D spares list is to be prepared as per the maintenance concept of the customer.



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6. Items provided along with the equipment as spares should also be included in OBS and B&D list
7. Modules/ Shop Replaceable Unit (SRU) / assemblies should be listed and their components should be included under them so as to relate each item of spare to their module / SRO / assembly.
8. OBS and B&D list for test equipment should also be provided on the similar format.

Cost to be indicated in Price bid only.



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APPENDIX - 7
TABLE OF CONNECTIONS FORMAT

SR NO	CABLE NO	CABLE TYPE	NO: OF CORES	FROM DEVICE	CONN REF	TERMINAL / PIN NO	TO DEVICE	CONN REF	TERMINAL / PIN NO	SIGNAL
1	CAB-1	XXX 3 CORE CABLE	1	DEV-A	P1	1	DEV-B	J1	1	
			2			2			2	
			3			3			3	

APPENDIX-8

TABLE-1 FORMAT FOR PROVIDING DIMENSIONAL DETAILS

SR NO	DEVICE	DIMENSIONS (WXHxD)	Wt IN KG	HEAT DISSIPATION DATA	POWER CONSUMPTION

TABLE-2 DETAILS OF SHOCK MOUNTS USED

SL No.	Type of shock mounts	Part Number	Used In	Qty.

TABLE-3 DIMENSIONAL DETAILS OF SHOCKMOUNTS

SR NO	SHOCK MOUNT TYPE	PART NO	DIMENSIONS

