



निविदा पूछताछ
TENDER ENQUIRY

[वेब निविदा]
[WEB TENDER]

माझगांव डॉक शिपबिल्डर्स लिमिटेड
(भारत सरकार का उपक्रम)

MAZAGON DOCK SHIPBUILDERS LIMITED
(Formerly known as Mazagon Dock Limited)
(A Govt. of India Undertaking)
CIN: L35100MH1934GOI002079
Dockyard Road, Mumbai 400 010
Website- www.mazagondock.in
Certified - ISO 9001: 2008 for Shipbuilding Division
GST ID : 27AAACM8029J1ZA

निविदा सं./Tender No क्रय अधिकारी/Purchase Exec. Bhuvnesh Kalwar सेवा में/To	1700000510	विभाग/Department क्रय अधिकारी/Purchase Exec. Bhuvnesh Kalwar दूरभाष सं./Telephone No फैक्स सं./Fax No ई-मेल/E-Mail bkalwar@mazdock.com	P-17A COMMERCIAL 23762738 23744709
दूरभाष सं./Telephone फैक्स सं./Fax ई-मेल/E-Mail		निविदा सं./Tender No निविदा तिथि/ Tender Date निविदा बंद की तिथि/Tender Closing Date निविदा बंद होने का समय/Tender Closing Time आरएफक्यू सं./RFQ No	1700000510 09.01.2024 30.01.2024 14:00:00 2160000506

निविदा शुल्क/Tender Fee	रु/Rs	0.00
बयाना राशि/EMD Amount	रु/Rs	1,000,000.00
पूर्व बिड बैठक तिथि और समय/Pre Bid Meeting Date & Time		,00:00:00
निविदा खोलने की तिथि और समय/Tender Opening Date & Time		02.02.2024,14:00:00
प्रस्ताव वैधता तिथि है/Offer should be valid up to		28.07.2024
सुरक्षा जमा/Security Deposit		0.00 %आदेश मूल्य का/PO value
वरीय बैंक जमानत /Perf. Bank Guarantee		5.00 %आदेश मूल्य का/PO value

(आगे के विवरण हेतु कृपया सम्बंधित नियम शर्तों को पढ़ें। सुनिश्चित करें कि कोटेशन और संबंधित पत्राचार के लिए विभाग का नाम, क्रय अधिकारी का नाम, निविदा संख्या, बंद होने का समय एवं तिथि एवं आरएफक्यू सं. अपने कोटेशनमें लिखें।
Kindly read and refer relevant terms & conditions for further details. Do ensure to Quote Department Name, Purchase Executive's Name, Tender Number, closing date & time and RFQ Number in your Quotation & related correspondence)

प्रिय महोदय/महोदया
Dear Sir / Madam ,

विषय /SUB:- SUPPLY OF UPPER AIR SOUNDING SYSTEM FOR 07 SHIPS OF P17A. (04 SHIPS OF MDL AND 03 SHIPS OF GRSE)

माझगाँव डॉक शिपबिल्डर्स लिमिटेड प्रतिष्ठित/संभावित आपूर्तिकर्ताओं से निम्न हेतु, प्रतियोगितात्मक दो बोली प्रणाली में (भाग -I तकनीकी - वाणिज्य बोली एवं भाग II मूल्य बोली) बोली आमंत्रित करती है।
Mazagon Dock Shipbuilders Limited (MDL) invites Competitive – Bid from reputed Supplier for the following in TWO BID system (Part - I Techno - Commercial Bid & Part - II Price Bid).

क्र सं. SL.No.	सामग्री / सेवा विवरण Material / Service Details	मात्रा / इकाई Quantity / unit	आपूर्ति तिथि Delivery Date
00100	सामग्री सं./ Material Number :- 150000000000054109 UASS - GROUND STATION सामग्री वर्णन/Material Description :Ground Receiving Station for Upper Air Sounding	1 SET	31.12.2024

क्र सं. SL.No.	सामग्री / सेवा विवरण Material / Service Details	मात्रा / इकाई Quantity / unit	आपूर्ति तिथि Delivery Date
	System (UASS) with its Accessories. HF-INPUTS: 2X 400MHz, 1 X GPS. LOCAL GPS: INCLUDED ACCESSORIES:GPS repeater Accessories Kit for Ground Station.		
00200	सामग्री सं./ Material Number :- 150000000000074654 UASS - AT Omni, 400 MHz Antenna सामग्री वर्णन/Material Description :UASS - AT Omni, 400 MHz Antenna with its Accessories. Type : Dipole Receiving Angle : Omni Directional Frequency Range Range : As per TSP.	1 Number	31.12.2024
00300	सामग्री सं./ Material Number :- 150000000000074655 UASS -AT Overhead, 400 MHz Antenna सामग्री वर्णन/Material Description :UASS -AT Overhead, 400 MHz Antenna with its Accessories. Type : Helix Receiving Angle : Overhead Frequency Range : As per TSP.	1 Number	31.12.2024
00400	सामग्री सं./ Material Number :- 150000000000074656 UASS -ACC-AT-019,KK 27-1 Incl. Acces सामग्री वर्णन/Material Description :UASS - Lightning and radar protection unit for Omni & Helix Antenna. Suitable for Antenna : AT-OMNI, AT HELIX Antenna Cables : Interconnection cable Antenna Amplifier : Included Antenna Protection : Lightning and radar protection unit.	1 SET	31.12.2024
00500	सामग्री सं./ Material Number :- 150000000000074657 UASS - GPS Antenna सामग्री वर्णन/Material Description :GPS ANTENNA Type : helical Receiving angle : Omni directional Frequency Range : 1575 MHz Antenna Protection : Lightning and radar protection unit.	1 SET	31.12.2024
00600	सामग्री सं./ Material Number :- 150000000000074658 UASS - Ship Antenna Cable-P17A सामग्री वर्णन/Material Description :UASS - Ship Antenna cable.	300.00 Meter	31.12.2024
00700	सामग्री सं./ Material Number :- 150000000000074660 UASS - Ruggedized Laptop सामग्री वर्णन/Material Description :UASS - Ruggedized Laptop, Preinstalled and As per TSP with its Accessories. Type : Ruggedized Notebook	1 SET	31.12.2024

क्र सं. SL.No.	सामग्री / सेवा विवरण Material / Service Details	मात्रा / इकाई Quantity / unit	आपूर्ति तिथि Delivery Date
	Operating system : Windows 10 Professional or latest. Language : English Monitor : 14" (Integrated) Keyboard (Integrated)		
00800	सामग्री सं./ Material Number :- 150000000000074661 UASS - Laser Printer सामग्री वर्णन/Material Description :UASS - Laser Printer with its Accessories. Printout : Colour Printer Function : Printing Output format : DIN A4	1 Number	31.12.2024
00900	सामग्री सं./ Material Number :- 150000000000074662 UASS - UPS सामग्री वर्णन/Material Description :UASS - UPS : Uninterrupted Power Supply with 2 hrs power back up. (AS per TSP) With battery Buffered and Surge protection as per UASS System Requirement.	1 Number	31.12.2024
01000	सामग्री सं./ Material Number :- 150000000000074663 UASS -Software for UASS सामग्री वर्णन/Material Description :UASS -Software for UASS Type of License : Single License Media : DVD	1 Number	31.12.2024
01100	सामग्री सं./ Material Number :- 150000000000074664 UASS - Balloon filling unit सामग्री वर्णन/Material Description :UASS - Balloon filling unit with its accessories. (As per TSP) Suitable for Gas : Hydrogen Model : Standard Carrying case : Aluminium	1 Number	31.12.2024
01200	सामग्री सं./ Material Number :- 150000000000074674 UASS - RADIOSONDE सामग्री वर्णन/Material Description :UASS - RADIOSONDE AS PER TSP.	100 Number	31.12.2024
01300	सामग्री सं./ Material Number :- 150000000000074675 UASS-METEOROLOGICAL BALLOONS सामग्री वर्णन/Material Description :UASS-METEOROLOGICAL BALLOONS WITH ITS ACCESSORIES. Should be in standard packing.	100 Number	31.12.2024
01400	UASS -SERVICES OF ENGINEER-Installation Service Description :UASS - SERVICES OF ENGINEERS FOR CONNECTORISATION AND	1 Activity unit	31.01.2025

क्र सं. SL.No.	सामग्री / सेवा विवरण Material / Service Details	मात्रा / इकाई Quantity / unit	आपूर्ति तिथि Delivery Date
INSTALLATION. The Line item 01400 covers the following services			
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- UASS - CONNECTORISATION & INSTALLATION	1 Activity unit	
01500	UASS - TRAINING Service Description :Training as per TSP. The Line item 01500 covers the following services	1 Activity unit	28.02.2025
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- UASS - TRAINING	1 Activity unit	
01600	सामग्री सं./ Material Number :- 150000000000074677 UASS -On board spares सामग्री वर्णन/Material Description :UASS - On board spares as per TSP.	1 SET	31.12.2024
01700	सामग्री सं./ Material Number :- 150000000000074678 UASS -Base & Depot Spares सामग्री वर्णन/Material Description :UASS - Base & Depot Spare as per TSP.	1 SET	31.03.2025
01800	सामग्री सं./ Material Number :- 150000000000054138 UASS - Documentation सामग्री वर्णन/Material Description :Documentation for UASS	1 SET	28.02.2025
01900	सामग्री सं./ Material Number :- 150000000000024989 UASS - IETM LEVEL IV. सामग्री वर्णन/Material Description :IETM (level 4) Documentation as per TSP.	1 SET	28.02.2025
02000	FATS Service Description :FATS OF UASS. The Line item 02000 covers the following services	1 Activity unit	30.09.2024
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- FATS	1 Activity unit	
02100	HATS Service Description :HATS OF UASS The Line item 02100 covers the following services	1 Activity unit	30.04.2025
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- HATS	1 Activity unit	
02200	SATS	1 Activity unit	30.04.2025

क्र सं. SL.No.	सामग्री / सेवा विवरण Material / Service Details	मात्रा / इकाई Quantity / unit	आपूर्ति तिथि Delivery Date
<p>Service Description :SATS OF UASS The Line item 02200 covers the following services</p>			
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- SATS	1 Activity unit	
02300	सामग्री सं./ Material Number :- 150000000000036326 CABLES & INSTALLATION MATERIALS सामग्री वर्णन/Material Description :CABLES & INSTALLATION MATERIALS INSTALLATION MATERIAL INCLUDING CABLES, CONNECTORS OR ANY OTHER MATERIAL REQUIRED FOR MAKING SYSTEM UP & FUNCTIONAL SHOULD BE SUPPLIED.	1 SET	30.11.2024
02400	Extension of Warranty for year-1. Service Description :Rate for extension of warranty as per TSP Para 17. The Line item 02400 covers the following services	1 Activity unit	30.11.2028
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- Extension of Warranty for year-1.	1 Activity unit	
02500	Extension of Warranty for year-2. Service Description :Rate for extension of warranty as per TSP Para 17. The Line item 02500 covers the following services	1 Activity unit	30.11.2029
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- Extension of Warranty for year-2.	1 Activity unit	
02600	सामग्री सं./ Material Number :- 150000000000074678 UASS-Escalation of B&D Spares_1st year. सामग्री वर्णन/Material Description :UASS-Escalation of B&D Spares 1st year.	1 SET	31.03.2026
02700	सामग्री सं./ Material Number :- 150000000000074678 UASS-Escalation of B&D Spares_2nd year. सामग्री वर्णन/Material Description :UASS-Escalation of B&D Spares 2nd year.	1 SET	31.03.2027
02800	सामग्री सं./ Material Number :- 150000000000074678 UASS-Escalation of B&D Spares_3rd year. सामग्री वर्णन/Material Description :UASS-Escalation of B&D Spares 3rd year.	1 SET	31.03.2028
02900	सामग्री सं./ Material Number :- 150000000000074678 UASS-Escalation of B&D Spares_4th year. सामग्री वर्णन/Material Description :UASS-Escalation of B&D Spares 4th year.	1 SET	31.03.2029
03000	सामग्री सं./ Material Number :- 150000000000074678	1 SET	31.03.2030

क्र सं. SL.No.	सामग्री / सेवा विवरण Material / Service Details	मात्रा / इकाई Quantity / unit	आपूर्ति तिथि Delivery Date
UASS-Escalation of B&D Spares_5th year. सामग्री वर्णन/Material Description :UASS-Escalation of B&D Spares 5th year.			
03100	सामग्री सं./ Material Number :- 150000000000054109 UASS - GROUND STATION सामग्री वर्णन/Material Description :Ground Receiving Station for Upper Air Sounding System (UASS) HF-INPUTS: 2X 400MHz, 1 X GPS. LOCAL GPS: INCLUDED ACCESSORIES:GPS repeater Accessories Kit for Ground Station.	1 SET	28.02.2025
03200	सामग्री सं./ Material Number :- 150000000000074654 UASS - AT Omni, 400 MHz Antenna सामग्री वर्णन/Material Description :UASS - AT Omni, 400 MHz Antenna Type : Dipole Receiving Angle : Omni Directional Frequency Range Range : As per TSP.	1 Number	28.02.2025
03300	सामग्री सं./ Material Number :- 150000000000074655 UASS -AT Overhead, 400 MHz Antenna सामग्री वर्णन/Material Description :UASS -AT Overhead, 400 MHz Antenna Type : Helix Receiving Angle : Overhead Frequency Range : As per TSP.	1 Number	28.02.2025
03400	सामग्री सं./ Material Number :- 150000000000074656 UASS -ACC-AT-019, KK 27-1 Incl. Acces सामग्री वर्णन/Material Description :UASS - Lightning and radar protection unit for Omni & Helix Antenna. Suitable for Antenna : AT-OMNI, AT HELIX Antenna Cables : Interconnection cable Antenna Amplifier : Included Antenna Protection : Lightning and radar protection unit.	1 SET	28.02.2025
03500	सामग्री सं./ Material Number :- 150000000000074657 UASS - GPS Antenna सामग्री वर्णन/Material Description :GPS ANTENNA Type : helical Receiving angle : Omni directional Frequency Range : 1575 MHz Antenna Protection : Lightning and radar protection unit.	1 SET	28.02.2025
03600	सामग्री सं./ Material Number :- 150000000000074658 UASS - Ship Antenna Cable-P17A सामग्री वर्णन/Material Description :UASS - Ship Antenna cable.	300.00 Meter	28.02.2025
03700	सामग्री सं./ Material Number :- 150000000000074660	1 SET	28.02.2025

क्र सं. SL.No.	सामग्री / सेवा विवरण Material / Service Details	मात्रा / इकाई Quantity / unit	आपूर्ति तिथि Delivery Date
	UASS - Ruggedized Laptop सामग्री वर्णन/Material Description :UASS - Ruggedized Laptop, Preinstalled and As per TSP. Type : Ruggedized Notebook Operating system : Windows 10 Professional or latest. Language : English Monitor : 14" (Integrated) Keyboard (Integrated)		
03800	सामग्री सं./ Material Number :- 150000000000074661 UASS - Laser Printer सामग्री वर्णन/Material Description :UASS - Laser Printer Printout : Colour Printer Function : Printing Output format : DIN A4	1 Number	28.02.2025
03900	सामग्री सं./ Material Number :- 150000000000074662 UASS - UPS सामग्री वर्णन/Material Description :UASS - UPS : Uninterrupted Power Supply with 2 hrs power back up. (AS per TSP) With battery Buffered and Surge protection as per UASS System Requirement.	1 Number	28.02.2025
04000	सामग्री सं./ Material Number :- 150000000000074663 UASS -Software for UASS सामग्री वर्णन/Material Description :UASS -Software for UASS Type of License : Single License Media : DVD	1 Number	28.02.2025
04100	सामग्री सं./ Material Number :- 150000000000074664 UASS - Balloon filling unit सामग्री वर्णन/Material Description :UASS - Balloon filling unit with its accessories. (As per TSP) Suitable for Gas : Hydrogen Model : Standard Carrying case : Aluminium	1 Number	28.02.2025
04200	सामग्री सं./ Material Number :- 150000000000074674 UASS - RADIOSONDE सामग्री वर्णन/Material Description :UASS - RADIOSONDE AS PER TSP.	100 Number	28.02.2025
04300	सामग्री सं./ Material Number :- 150000000000074675 UASS-METEOROLOGICAL BALLOONS सामग्री वर्णन/Material Description :UASS-METEOROLOGICAL BALLOONS Should be in standard packing.	100 Number	28.02.2025
04400	UASS -SERVICES OF ENGINEER-Installation Service Description :UASS - SERVICES OF ENGINEERS FOR CONNECTORISATION AND INSTALLATION.	1 Activity unit	31.03.2025

क्र सं. SL.No.	सामग्री / सेवा विवरण Material / Service Details	मात्रा / इकाई Quantity / unit	आपूर्ति तिथि Delivery Date
The Line item 04400 covers the following services			
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- UASS - CONNECTORISATION & INSTALLATION	1 Activity unit	
04500	UASS - TRAINING Service Description :Training as per TSP. The Line item 04500 covers the following services	1 Activity unit	30.04.2025
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- UASS - TRAINING	1 Activity unit	
04600	सामग्री सं./ Material Number :- 150000000000074677 UASS -On board spares सामग्री वर्णन/Material Description :UASS - On board spares as per TSP.	1 SET	28.02.2025
04700	सामग्री सं./ Material Number :- 150000000000054138 UASS - Documentation सामग्री वर्णन/Material Description :Documentation for UASS	1 SET	30.04.2025
04800	सामग्री सं./ Material Number :- 150000000000024989 UASS - IETM LEVEL IV. सामग्री वर्णन/Material Description :IETM (level 4) Documentation as per TSP.	1 SET	30.04.2025
04900	FATS Service Description :FATS OF UASS. The Line item 04900 covers the following services	1 Activity unit	30.11.2024
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- FATS	1 Activity unit	
05000	HATS Service Description :HATS OF UASS The Line item 05000 covers the following services	1 Activity unit	30.06.2025
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- HATS	1 Activity unit	
05100	SATS Service Description :SATS OF UASS The Line item 05100 covers the following services	1 Activity unit	30.06.2025
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- SATS	1 Activity unit	

क्र सं. SL.No.	सामग्री / सेवा विवरण Material / Service Details	मात्रा / इकाई Quantity / unit	आपूर्ति तिथि Delivery Date
05200	सामग्री सं./ Material Number :- 150000000000036326 CABLES & INSTALLATION MATERIALS सामग्री वर्णन/Material Description :CABLES & INSTALLATION MATERIALS INSTALLATION MATERIAL INCLUDING CABLES, CONNECTORS OR ANY OTHER MATERIAL REQUIRED FOR MAKING SYSTEM UP & FUNCTIONAL SHOULD BE SUPPLIED.	1 SET	31.01.2025
05300	Extension of Warranty for year-1. Service Description :Rate for extension of warranty as per TSP Para 17. The Line item 05300 covers the following services	1 Activity unit	30.11.2029
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- Extension of Warranty for year-1.	1 Activity unit	
05400	Extension of Warranty for year-2. Service Description :Rate for extension of warranty as per TSP Para 17. The Line item 05400 covers the following services	1 Activity unit	30.11.2030
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- Extension of Warranty for year-2.	1 Activity unit	
05500	सामग्री सं./ Material Number :- 150000000000054109 UASS - GROUND STATION सामग्री वर्णन/Material Description :Ground Receiving Station for Upper Air Sounding System (UASS) HF-INPUTS: 2X 400MHz, 1 X GPS. LOCAL GPS: INCLUDED ACCESSORIES:GPS repeater Accessories Kit for Ground Station.	1 SET	30.04.2025
05600	सामग्री सं./ Material Number :- 150000000000074654 UASS - AT Omni, 400 MHz Antenna सामग्री वर्णन/Material Description :Ground Receiving Station for Upper Air Sounding System (UASS) HF-INPUTS: 2X 400MHz, 1 X GPS. LOCAL GPS: INCLUDED ACCESSORIES:GPS repeater Accessories Kit for Ground Station.	1 Number	30.04.2025
05700	सामग्री सं./ Material Number :- 150000000000074655 UASS -AT Overhead, 400 MHz Antenna सामग्री वर्णन/Material Description :UASS -AT Overhead, 400 MHz Antenna	1 Number	30.04.2025

निविदा सं./ Tender No:- 1700000510		निविदा तिथि/ Tender Date:- 09.01.2024		आरएफक्यू सं./RFQ No:- 2160000506	
क्र सं. SL.No.	सामग्री / सेवा विवरण Material / Service Details	मात्रा / इकाई Quantity / unit	आपूर्ति तिथि Delivery Date		
	Type : Helix Receiving Angle : Overhead Frequency Range : As per TSP.				
05800	सामग्री सं./ Material Number :- 150000000000074656 UASS -ACC-AT-019, KK 27-1 Incl. Acces सामग्री वर्णन/Material Description :ASS - Lightning and radar protection unit for Omni & Helix Antenna. Suitable for Antenna : AT-OMNI, AT HELIX Antenna Cables : Interconnection cable Antenna Amplifier : Included Antenna Protection : Lightning and radar protection unit.	1 SET	30.04.2025		
05900	सामग्री सं./ Material Number :- 150000000000074657 UASS - GPS Antenna सामग्री वर्णन/Material Description :GPS ANTENNA Type : helical Receiving angle : Omni directional Frequency Range : 1575 MHz Antenna Protection : Lightning and radar protection unit.	1 SET	30.04.2025		
06000	सामग्री सं./ Material Number :- 150000000000074658 UASS - Ship Antenna Cable-P17A सामग्री वर्णन/Material Description :UASS - Ship Antenna cable.	300.00 Meter	30.04.2025		
06100	सामग्री सं./ Material Number :- 150000000000074660 UASS - Ruggedized Laptop सामग्री वर्णन/Material Description :UASS - Ruggedized Laptop, Preinstalled and As per TSP. Type : Ruggedized Notebook Operating system : Windows 10 Professional or latest. Language : English Monitor : 14" (Integrated) Keyboard (Integrated)	1 SET	30.04.2025		
06200	सामग्री सं./ Material Number :- 150000000000074661 UASS - Laser Printer सामग्री वर्णन/Material Description :UASS - Laser Printer Printout : Colour Printer Function : Printing Output format : DIN A4	1 Number	30.04.2025		
06300	सामग्री सं./ Material Number :- 150000000000074662 UASS - UPS सामग्री वर्णन/Material Description :UASS - UPS : Uninterrupted Power Supply with 2 hrs power back up. (AS per TSP) With battery Buffered and Surge protection as per UASS System Requirement.	1 Number	30.04.2025		
06400	सामग्री सं./ Material Number :- 150000000000074663	1 Number	30.04.2025		

क्र सं. SL.No.	सामग्री / सेवा विवरण Material / Service Details	मात्रा / इकाई Quantity / unit	आपूर्ति तिथि Delivery Date
	UASS -Software for UASS सामग्री वर्णन/Material Description :UASS -Software for UASS Type of License : Single License Media : DVD		
06500	सामग्री सं./ Material Number :- 150000000000074664 UASS - Balloon filling unit सामग्री वर्णन/Material Description :UASS - Balloon filling unit with its accessories. (As per TSP) Suitable for Gas : Hydrogen Model : Standard Carrying case : Aluminium	1 Number	30.04.2025
06600	सामग्री सं./ Material Number :- 150000000000074674 UASS - RADIOSONDE सामग्री वर्णन/Material Description :UASS - RADIOSONDE AS PER TSP.	100 Number	30.04.2025
06700	सामग्री सं./ Material Number :- 150000000000074675 UASS-METEOROLOGICAL BALLOONS सामग्री वर्णन/Material Description :UASS-METEOROLOGICAL BALLOONS Should be in standard packing.	100 Number	30.04.2025
06800	UASS -SERVICES OF ENGINEER-Installation Service Description :UASS - SERVICES OF ENGINEERS FOR CONNECTORISATION AND INSTALLATION. The Line item 06800 covers the following services	1 Activity unit	31.05.2025
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- UASS - CONNECTORISATION & INSTALLATION	1 Activity unit	
06900	UASS - TRAINING Service Description :Training as per TSP. The Line item 06900 covers the following services	1 Activity unit	30.06.2025
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- UASS - TRAINING	1 Activity unit	
07000	सामग्री सं./ Material Number :- 150000000000074677 UASS -On board spares सामग्री वर्णन/Material Description :UASS - On board spares as per TSP.	1 SET	30.04.2025
07100	सामग्री सं./ Material Number :- 150000000000054138 UASS - Documentation सामग्री वर्णन/Material Description :Documentation for UASS	1 SET	30.06.2025

क्र सं. SL.No.	सामग्री / सेवा विवरण Material / Service Details	मात्रा / इकाई Quantity / unit	आपूर्ति तिथि Delivery Date
07200	सामग्री सं./ Material Number :- 150000000000024989 UASS - IETM LEVEL IV. सामग्री वर्णन/Material Description :IETM (level 4) Documentation as per TSP.	1 SET	30.06.2025
07300	FATS Service Description :FATS OF UASS. The Line item 07300 covers the following services	1 Activity unit	31.01.2025
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- FATS	1 Activity unit	
07400	HATS Service Description :HATS OF UASS The Line item 07400 covers the following services	1 Activity unit	31.08.2025
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- HATS	1 Activity unit	
07500	SATS Service Description :SATS OF UASS The Line item 07500 covers the following services	1 Activity unit	31.08.2025
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- SATS	1 Activity unit	
07600	सामग्री सं./ Material Number :- 150000000000036326 CABLES & INSTALLATION MATERIALS सामग्री वर्णन/Material Description :CABLES & INSTALLATION MATERIALS INSTALLATION MATERIAL INCLUDING CABLES, CONNECTORS OR ANY OTHER MATERIAL REQUIRED FOR MAKING SYSTEM UP & FUNCTIONAL SHOULD BE SUPPLIED.	1 SET	28.02.2025
07700	Extension of Warranty for year-1. Service Description :Rate for extension of warranty as per TSP Para 17. The Line item 07700 covers the following services	1 Activity unit	30.11.2029
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- Extension of Warranty for year-1.	1 Activity unit	
07800	Extension of Warranty for year-2. Service Description :Rate for extension of warranty as per TSP Para 17. The Line item 07800 covers the following services	1 Activity unit	30.11.2030

क्र सं. SL.No.	सामग्री / सेवा विवरण Material / Service Details	मात्रा / इकाई Quantity / unit	आपूर्ति तिथि Delivery Date
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- Extension of Warranty for year-2.	1 Activity unit	
07900	सामग्री सं./ Material Number :- 150000000000054109 UASS - GROUND STATION सामग्री वर्णन/Material Description :Ground Receiving Station for Upper Air Sounding System (UASS) HF-INPUTS: 2X 400MHz, 1 X GPS. LOCAL GPS: INCLUDED ACCESSORIES:GPS repeater Accessories Kit for Ground Station.	1 SET	30.06.2025
08000	सामग्री सं./ Material Number :- 150000000000074654 UASS - AT Omni, 400 MHz Antenna सामग्री वर्णन/Material Description :Ground Receiving Station for Upper Air Sounding System (UASS) HF-INPUTS: 2X 400MHz, 1 X GPS. LOCAL GPS: INCLUDED ACCESSORIES:GPS repeater Accessories Kit for Ground Station.	1 Number	30.06.2025
08100	सामग्री सं./ Material Number :- 150000000000074655 UASS -AT Overhead, 400 MHz Antenna सामग्री वर्णन/Material Description :UASS -AT Overhead, 400 MHz Antenna Type : Helix Receiving Angle : Overhead Frequency Range : As per TSP.	1 Number	30.06.2025
08200	सामग्री सं./ Material Number :- 150000000000074656 UASS -ACC-AT-019, KK 27-1 Incl. Acces सामग्री वर्णन/Material Description :UASS - Lightning and radar protection unit for Omni & Helix Antenna. Suitable for Antenna : AT-OMNI, AT HELIX Antenna Cables : Interconnection cable Antenna Amplifier : Included Antenna Protection : Lightning and radar protection unit.	1 SET	30.06.2025
08300	सामग्री सं./ Material Number :- 150000000000074657 UASS - GPS Antenna सामग्री वर्णन/Material Description :GPS ANTENNA Type : helical Receiving angle : Omni directional Frequency Range : 1575 MHz Antenna Protection : Lightning and radar protection unit.	1 SET	30.06.2025

निविदा सं./ Tender No:- 1700000510		निविदा तिथि/ Tender Date:- 09.01.2024		आरएफक्यू सं./RFQ No:- 2160000506	
क्र सं. SL.No.	सामग्री / सेवा विवरण Material / Service Details	मात्रा / इकाई Quantity / unit	आपूर्ति तिथि Delivery Date		
08400	सामग्री सं./ Material Number :- 150000000000074658 UASS - Ship Antenna Cable-P17A सामग्री वर्णन/Material Description :UASS - Ship Antenna cable.	300.00 Meter	30.06.2025		
08500	सामग्री सं./ Material Number :- 150000000000074660 UASS - Ruggedized Laptop सामग्री वर्णन/Material Description :UASS - Ruggedized Laptop, Preinstalled and As per TSP. Type : Ruggedized Notebook Operating system : Windows 10 Professional or latest. Language : English Monitor : 14" (Integrated) Keyboard (Integrated)	1 SET	30.06.2025		
08600	सामग्री सं./ Material Number :- 150000000000074661 UASS - Laser Printer सामग्री वर्णन/Material Description :UASS - Laser Printer Printout : Colour Printer Function : Printing Output format : DIN A4	1 Number	30.06.2025		
08700	सामग्री सं./ Material Number :- 150000000000074662 UASS - UPS सामग्री वर्णन/Material Description :UASS - UPS : Uninterrupted Power Supply with 2 hrs power back up. (AS per TSP) With battery Buffered and Surge protection as per UASS System Requirement.	1 Number	30.06.2025		
08800	सामग्री सं./ Material Number :- 150000000000074663 UASS -Software for UASS सामग्री वर्णन/Material Description :UASS -Software for UASS Type of License : Single License Media : DVD	1 Number	30.06.2025		
08900	सामग्री सं./ Material Number :- 150000000000074664 UASS - Balloon filling unit सामग्री वर्णन/Material Description :UASS - Balloon filling unit with its accessories. (As per TSP) Suitable for Gas : Hydrogen Model : Standard Carrying case : Aluminium	1 Number	30.06.2025		
09000	सामग्री सं./ Material Number :- 150000000000074674 UASS - RADIOSONDE सामग्री वर्णन/Material Description :UASS - RADIOSONDE AS PER TSP.	100 Number	30.06.2025		
09100	सामग्री सं./ Material Number :- 150000000000074675 UASS-METEOROLOGICAL BALLOONS सामग्री वर्णन/Material Description :UASS-METEOROLOGICAL BALLOONS	100 Number	30.06.2025		

निविदा सं./ Tender No:- 1700000510		निविदा तिथि/ Tender Date:- 09.01.2024		आरएफक्यू सं./RFQ No:- 2160000506	
क्र सं. SL.No.	सामग्री / सेवा विवरण Material / Service Details	मात्रा / इकाई Quantity / unit	आपूर्ति तिथि Delivery Date		
Should be in standard packing.					
09200	UASS -SERVICES OF ENGINEER-Installation Service Description :UASS - SERVICES OF ENGINEERS FOR CONNECTORISATION AND INSTALLATION. The Line item 09200 covers the following services	1 Activity unit	31.07.2025		
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- UASS - CONNECTORISATION & INSTALLATION	1 Activity unit			
09300	UASS - TRAINING Service Description :Training as per TSP. The Line item 09300 covers the following services	1 Activity unit	31.08.2025		
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- UASS - TRAINING	1 Activity unit			
09400	सामग्री सं./ Material Number :- 150000000000074677 UASS -On board spares सामग्री वर्णन/Material Description :UASS - On board spares as per TSP.	1 SET	30.06.2025		
09500	सामग्री सं./ Material Number :- 150000000000054138 UASS - Documentation सामग्री वर्णन/Material Description :Documentation for UASS	1 SET	31.08.2025		
09600	सामग्री सं./ Material Number :- 150000000000024989 UASS - IETM LEVEL IV. सामग्री वर्णन/Material Description :IETM (level 4) Documentation as per TSP.	1 SET	31.08.2025		
09700	FATS Service Description :FATS OF UASS. The Line item 09700 covers the following services	1 Activity unit	31.03.2025		
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- FATS	1 Activity unit			
09800	HATS Service Description :HATS OF UASS The Line item 09800 covers the following services	1 Activity unit	31.10.2025		
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- HATS	1 Activity unit			
09900	SATS Service Description :SATS OF UASS	1 Activity unit	31.10.2025		

क्र सं. SL.No.	सामग्री / सेवा विवरण Material / Service Details	मात्रा / इकाई Quantity / unit	आपूर्ति तिथि Delivery Date
The Line item 09900 covers the following services			
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- SATS	1 Activity unit	
10000	सामग्री सं./ Material Number :- 150000000000036326 CABLES & INSTALLATION MATERIALS सामग्री वर्णन/Material Description :CABLES & INSTALLATION MATERIALS INSTALLATION MATERIAL INCLUDING CABLES, CONNECTORS OR ANY OTHER MATERIAL REQUIRED FOR MAKING SYSTEM UP & FUNCTIONAL SHOULD BE SUPPLIED.	1 SET	31.05.2025
10100	Extension of Warranty for year-1. Service Description :Rate for extension of warranty as per TSP Para 17. The Line item 10100 covers the following services	1 Activity unit	30.11.2029
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- Extension of Warranty for year-1.	1 Activity unit	
10200	Extension of Warranty for year-2. Service Description :Rate for extension of warranty as per TSP Para 17. The Line item 10200 covers the following services	1 Activity unit	30.11.2030
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- Extension of Warranty for year-2.	1 Activity unit	
10300	सामग्री सं./ Material Number :- 150000000000054109 UASS - GROUND STATION सामग्री वर्णन/Material Description :Ground Receiving Station for Upper Air Sounding System (UASS) HF-INPUTS: 2X 400MHz, 1 X GPS. LOCAL GPS: INCLUDED ACCESSORIES:GPS repeater Accessories Kit for Ground Station.	1 SET	31.12.2024
10400	सामग्री सं./ Material Number :- 150000000000074654 UASS - AT Omni, 400 MHz Antenna सामग्री वर्णन/Material Description :Ground Receiving Station for Upper Air Sounding System (UASS) HF-INPUTS: 2X 400MHz, 1 X GPS.	1 Number	31.12.2024

क्र सं. SL.No.	सामग्री / सेवा विवरण Material / Service Details	मात्रा / इकाई Quantity / unit	आपूर्ति तिथि Delivery Date
	LOCAL GPS: INCLUDED ACCESSORIES:GPS repeater Accessories Kit for Ground Station.		
10500	सामग्री सं./ Material Number :- 150000000000074655 UASS -AT Overhead, 400 MHz Antenna सामग्री वर्णन/Material Description :UASS -AT Overhead, 400 MHz Antenna Type : Helix Receiving Angle : Overhead Frequency Range : As per TSP.	1 Number	31.12.2024
10600	सामग्री सं./ Material Number :- 150000000000074656 UASS -ACC-AT-019,KK 27-1 Incl. Acces सामग्री वर्णन/Material Description :UASS - Lightning and radar protection unit for Omni & Helix Antenna. Suitable for Antenna : AT-OMNI, AT HELIX Antenna Cables : Interconnection cable Antenna Amplifier : Included Antenna Protection : Lightning and radar protection unit.	1 SET	31.12.2024
10700	सामग्री सं./ Material Number :- 150000000000074657 UASS - GPS Antenna सामग्री वर्णन/Material Description :GPS ANTENNA Type : helical Receiving angle : Omni directional Frequency Range : 1575 MHz Antenna Protection : Lightning and radar protection unit.	1 SET	31.12.2024
10800	सामग्री सं./ Material Number :- 150000000000074658 UASS - Ship Antenna Cable-P17A सामग्री वर्णन/Material Description :UASS - Ship Antenna cable.	300.00 Meter	31.12.2024
10900	सामग्री सं./ Material Number :- 150000000000074660 UASS - Ruggedized Laptop सामग्री वर्णन/Material Description :UASS - Ruggedized Laptop, Preinstalled and As per TSP. Type : Ruggedized Notebook Operating system : Windows 10 Professional or latest. Language : English Monitor : 14" (Integrated) Keyboard (Integrated)	1 SET	31.12.2024
11000	सामग्री सं./ Material Number :- 150000000000074661 UASS - Laser Printer सामग्री वर्णन/Material Description :UASS - Laser Printer Printout : Colour Printer Function : Printing Output format : DIN A4	1 Number	31.12.2024

निविदा सं./ Tender No:- 1700000510		निविदा तिथि/ Tender Date:- 09.01.2024		आरएफक्यू सं./RFQ No:- 2160000506	
क्र सं. SL.No.	सामग्री / सेवा विवरण Material / Service Details	मात्रा / इकाई Quantity / unit	आपूर्ति तिथि Delivery Date		
11100	सामग्री सं./ Material Number :- 150000000000074662 UASS - UPS सामग्री वर्णन/Material Description :UASS - UPS : Uninterrupted Power Supply with 2 hrs power back up. (AS per TSP) With battery Buffered and Surge protection as per UASS System Requirement.	1 Number	31.12.2024		
11200	सामग्री सं./ Material Number :- 150000000000074663 UASS -Software for UASS सामग्री वर्णन/Material Description :UASS -Software for UASS Type of License : Single License Media : DVD	1 Number	31.12.2024		
11300	सामग्री सं./ Material Number :- 150000000000074664 UASS - Balloon filling unit सामग्री वर्णन/Material Description :UASS - Balloon filling unit with its accessories. (As per TSP) Suitable for Gas : Hydrogen Model : Standard Carrying case : Aluminium	1 Number	31.12.2024		
11400	सामग्री सं./ Material Number :- 150000000000074674 UASS - RADIOSONDE सामग्री वर्णन/Material Description :UASS - RADIOSONDE AS PER TSP.	100 Number	31.12.2024		
11500	सामग्री सं./ Material Number :- 150000000000074675 UASS-METEOROLOGICAL BALLOONS सामग्री वर्णन/Material Description :UASS-METEOROLOGICAL BALLOONS Should be in standard packing.	100 Number	31.12.2024		
11600	UASS -SERVICES OF ENGINEER-Installation Service Description :UASS - SERVICES OF ENGINEERS FOR CONNECTORISATION AND INSTALLATION. The Line item 11600 covers the following services	1 Activity unit	31.01.2025		
0000000010	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- UASS - CONNECTORISATION & INSTALLATION	1 Activity unit			
11700	UASS - TRAINING Service Description :Training as per TSP. The Line item 11700 covers the following services	1 Activity unit	28.02.2025		
0000000010	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- UASS - TRAINING	1 Activity unit			
11800	सामग्री सं./ Material Number :- 150000000000074677	1 SET	31.12.2024		

क्र सं. SL.No.	सामग्री / सेवा विवरण Material / Service Details	मात्रा / इकाई Quantity / unit	आपूर्ति तिथि Delivery Date
UASS -On board spares सामग्री वर्णन/Material Description :UASS - On board spares as per TSP.			
11900	सामग्री सं./ Material Number :- 150000000000054138 UASS - Documentation सामग्री वर्णन/Material Description :Documentation for UASS	1 SET	28.02.2025
12000	सामग्री सं./ Material Number :- 150000000000024989 UASS - IETM LEVEL IV. सामग्री वर्णन/Material Description :IETM (level 4) Documentation as per TSP.	1 SET	28.02.2025
12100	FATS Service Description :FATS OF UASS. The Line item 12100 covers the following services	1 Activity unit	30.09.2024
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- FATS	1 Activity unit	
12200	HATS Service Description :HATS OF UASS The Line item 12200 covers the following services	1 Activity unit	30.04.2025
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- HATS	1 Activity unit	
12300	SATS Service Description :SATS OF UASS The Line item 12300 covers the following services	1 Activity unit	30.04.2025
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- SATS	1 Activity unit	
12400	सामग्री सं./ Material Number :- 150000000000036326 CABLES & INSTALLATION MATERIALS सामग्री वर्णन/Material Description :CABLES & INSTALLATION MATERIALS INSTALLATION MATERIAL INCLUDING CABLES, CONNECTORS OR ANY OTHER MATERIAL REQUIRED FOR MAKING SYSTEM UP & FUNCTIONAL SHOULD BE SUPPLIED.	1 SET	30.11.2024
12500	Extension of Warranty for year-1. Service Description :Rate for extension of warranty as per TSP Para 17. The Line item 12500 covers the following services	1 Activity unit	30.11.2028
000000001	सेवा सं./Service Number :-	1 Activity unit	

क्र सं. SL.No.	सामग्री / सेवा विवरण Material / Service Details	मात्रा / इकाई Quantity / unit	आपूर्ति तिथि Delivery Date
0	संक्षिप्त वर्णन/Short Description :- Extension of Warranty for year-1.		
12600	Extension of Warranty for year-2. Service Description :Rate for extension of warranty as per TSP Para 17. The Line item 12600 covers the following services	1 Activity unit	30.11.2029
000000001	सेवा सं./Service Number :-	1 Activity unit	
0	संक्षिप्त वर्णन/Short Description :- Extension of Warranty for year-2.		
12700	सामग्री सं./ Material Number :- 150000000000054109 UASS - GROUND STATION सामग्री वर्णन/Material Description :Ground Receiving Station for Upper Air Sounding System (UASS) HF-INPUTS: 2X 400MHz, 1 X GPS. LOCAL GPS: INCLUDED ACCESSORIES:GPS repeater Accessories Kit for Ground Station.	1 SET	31.03.2025
12800	सामग्री सं./ Material Number :- 150000000000074654 UASS - AT Omni, 400 MHz Antenna सामग्री वर्णन/Material Description :Ground Receiving Station for Upper Air Sounding System (UASS) HF-INPUTS: 2X 400MHz, 1 X GPS. LOCAL GPS: INCLUDED ACCESSORIES:GPS repeater Accessories Kit for Ground Station.	1 Number	31.03.2025
12900	सामग्री सं./ Material Number :- 150000000000074655 UASS -AT Overhead, 400 MHz Antenna सामग्री वर्णन/Material Description :UASS -AT Overhead, 400 MHz Antenna Type : Helix Receiving Angle : Overhead Frequency Range : As per TSP.	1 Number	31.03.2025
13000	सामग्री सं./ Material Number :- 150000000000074656 UASS -ACC-AT-019, KK 27-1 Incl. Acces सामग्री वर्णन/Material Description :UASS - Lightning and radar protection unit for Omni & Helix Antenna. Suitable for Antenna : AT-OMNI, AT HELIX Antenna Cables : Interconnection cable Antenna Amplifier : Included Antenna Protection : Lightning and radar protection unit.	1 SET	31.03.2025

क्र सं. SL.No.	सामग्री / सेवा विवरण Material / Service Details	मात्रा / इकाई Quantity / unit	आपूर्ति तिथि Delivery Date
13100	सामग्री सं./ Material Number :- 150000000000074657 UASS - GPS Antenna सामग्री वर्णन/Material Description :GPS ANTENNA Type : helical Receiving angle : Omni directional Frequency Range : 1575 MHz Antenna Protection : Lightning and radar protection unit.	1 SET	31.03.2025
13200	सामग्री सं./ Material Number :- 150000000000074658 UASS - Ship Antenna Cable-P17A सामग्री वर्णन/Material Description :UASS - Ship Antenna cable.	300.00 Meter	31.03.2025
13300	सामग्री सं./ Material Number :- 150000000000074660 UASS - Ruggedized Laptop सामग्री वर्णन/Material Description :UASS - Ruggedized Laptop, Preinstalled and As per TSP. Type : Ruggedized Notebook Operating system : Windows 10 Professional or latest. Language : English Monitor : 14" (Integrated) Keyboard (Integrated)	1 SET	31.03.2025
13400	सामग्री सं./ Material Number :- 150000000000074661 UASS - Laser Printer सामग्री वर्णन/Material Description :UASS - Laser Printer Printout : Colour Printer Function : Printing Output format : DIN A4	1 Number	31.03.2025
13500	सामग्री सं./ Material Number :- 150000000000074662 UASS - UPS सामग्री वर्णन/Material Description :UASS - UPS : Uninterrupted Power Supply with 2 hrs power back up. (AS per TSP) With battery Buffered and Surge protection as per UASS System Requirement.	1 Number	31.03.2025
13600	सामग्री सं./ Material Number :- 150000000000074663 UASS -Software for UASS सामग्री वर्णन/Material Description :UASS -Software for UASS Type of License : Single License Media : DVD	1 Number	31.03.2025
13700	सामग्री सं./ Material Number :- 150000000000074664 UASS - Balloon filling unit सामग्री वर्णन/Material Description :UASS - Balloon filling unit with its accessories. (As per TSP) Suitable for Gas : Hydrogen Model : Standard Carrying case : Aluminium	1 Number	31.03.2025

क्र सं. SL.No.	सामग्री / सेवा विवरण Material / Service Details	मात्रा / इकाई Quantity / unit	आपूर्ति तिथि Delivery Date
13800	सामग्री सं./ Material Number :- 150000000000074674 UASS - RADIOSONDE सामग्री वर्णन/Material Description :UASS - RADIOSONDE AS PER TSP.	100 Number	31.03.2025
13900	सामग्री सं./ Material Number :- 150000000000074675 UASS-METEOROLOGICAL BALLOONS सामग्री वर्णन/Material Description :UASS-METEOROLOGICAL BALLOONS Should be in standard packing.	100 Number	31.03.2025
14000	UASS -SERVICES OF ENGINEER-Installation Service Description :UASS - SERVICES OF ENGINEERS FOR CONNECTORISATION AND INSTALLATION. The Line item 14000 covers the following services	1 Activity unit	30.04.2025
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- UASS - CONNECTORISATION & INSTALLATION	1 Activity unit	
14100	UASS - TRAINING Service Description :Training as per TSP. The Line item 14100 covers the following services	1 Activity unit	31.05.2025
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- UASS - TRAINING	1 Activity unit	
14200	सामग्री सं./ Material Number :- 150000000000074677 UASS -On board spares सामग्री वर्णन/Material Description :UASS - On board spares as per TSP.	1 SET	31.03.2025
14300	सामग्री सं./ Material Number :- 150000000000054138 UASS - Documentation सामग्री वर्णन/Material Description :Documentation for UASS	1 SET	31.05.2025
14400	सामग्री सं./ Material Number :- 150000000000024989 UASS - IETM LEVEL IV. सामग्री वर्णन/Material Description :IETM (level 4) Documentation as per TSP.	1 SET	31.05.2025
14500	FATS Service Description :FATS OF UASS. The Line item 14500 covers the following services	1 Activity unit	31.12.2024
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- FATS	1 Activity unit	
14600	HATS	1 Activity unit	31.07.2025

निविदा सं./ Tender No:- 1700000510		निविदा तिथि/ Tender Date:- 09.01.2024		आरएफक्यू सं./RFQ No:- 2160000506	
क्र सं. SL.No.	सामग्री / सेवा विवरण Material / Service Details	मात्रा / इकाई Quantity / unit	आपूर्ति तिथि Delivery Date		
Service Description :HATS OF UASS The Line item 14600 covers the following services					
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- HATS	1 Activity unit			
14700	SATS Service Description :SATS OF UASS The Line item 14700 covers the following services	1 Activity unit	31.07.2025		
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- SATS	1 Activity unit			
14800	सामग्री सं./ Material Number :- 150000000000036326 CABLES & INSTALLATION MATERIALS सामग्री वर्णन/Material Description :CABLES & INSTALLATION MATERIALS INSTALLATION MATERIAL INCLUDING CABLES, CONNECTORS OR ANY OTHER MATERIAL REQUIRED FOR MAKING SYSTEM UP & FUNCTIONAL SHOULD BE SUPPLIED.	1 SET	28.02.2025		
14900	Extension of Warranty for year-1. Service Description :Rate for extension of warranty as per TSP Para 17. The Line item 14900 covers the following services	1 Activity unit	30.11.2029		
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- Extension of Warranty for year-1.	1 Activity unit			
15000	Extension of Warranty for year-2. Service Description :Rate for extension of warranty as per TSP Para 17. The Line item 15000 covers the following services	1 Activity unit	30.11.2030		
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- Extension of Warranty for year-2.	1 Activity unit			
15100	सामग्री सं./ Material Number :- 150000000000054109 UASS - GROUND STATION सामग्री वर्णन/Material Description :Ground Receiving Station for Upper Air Sounding System (UASS) HF-INPUTS: 2X 400MHz, 1 X GPS.	1 SET	30.09.2025		

क्र सं. SL.No.	सामग्री / सेवा विवरण Material / Service Details	मात्रा / इकाई Quantity / unit	आपूर्ति तिथि Delivery Date
	LOCAL GPS: INCLUDED ACCESSORIES:GPS repeater Accessories Kit for Ground Station.		
15200	सामग्री सं./ Material Number :- 150000000000074654 UASS - AT Omni, 400 MHz Antenna सामग्री वर्णन/Material Description :Ground Receiving Station for Upper Air Sounding System (UASS) HF-INPUTS: 2X 400MHz, 1 X GPS. LOCAL GPS: INCLUDED ACCESSORIES:GPS repeater Accessories Kit for Ground Station.	1 Number	30.09.2025
15300	सामग्री सं./ Material Number :- 150000000000074655 UASS -AT Overhead, 400 MHz Antenna सामग्री वर्णन/Material Description :UASS -AT Overhead, 400 MHz Antenna Type : Helix Receiving Angle : Overhead Frequency Range : As per TSP.	1 Number	30.09.2025
15400	सामग्री सं./ Material Number :- 150000000000074656 UASS -ACC-AT-019,KK 27-1 Incl. Acces सामग्री वर्णन/Material Description :UASS - Lightning and radar protection unit for Omni & Helix Antenna. Suitable for Antenna : AT-OMNI, AT HELIX Antenna Cables : Interconnection cable Antenna Amplifier : Included Antenna Protection : Lightning and radar protection unit.	1 SET	30.09.2025
15500	सामग्री सं./ Material Number :- 150000000000074657 UASS - GPS Antenna सामग्री वर्णन/Material Description :GPS ANTENNA Type : helical Receiving angle : Omni directional Frequency Range : 1575 MHz Antenna Protection : Lightning and radar protection unit.	1 SET	30.09.2025
15600	सामग्री सं./ Material Number :- 150000000000074658 UASS - Ship Antenna Cable-P17A सामग्री वर्णन/Material Description :UASS - Ship Antenna cable.	300.00 Meter	30.09.2025
15700	सामग्री सं./ Material Number :- 150000000000074660 UASS - Ruggedized Laptop सामग्री वर्णन/Material Description :UASS - Ruggedized Laptop, Preinstalled and As per TSP. Type : Ruggedized Notebook Operating system : Windows 10 Professional or latest. Language : English	1 SET	30.09.2025

क्र सं. SL.No.	सामग्री / सेवा विवरण Material / Service Details	मात्रा / इकाई Quantity / unit	आपूर्ति तिथि Delivery Date
	Monitor : 14" (Integrated) Keyboard (Integrated)		
15800	सामग्री सं./ Material Number :- 150000000000074661 UASS - Laser Printer सामग्री वर्णन/Material Description :UASS - Laser Printer Printout : Colour Printer Function : Printing Output format : DIN A4	1 Number	30.09.2025
15900	सामग्री सं./ Material Number :- 150000000000074662 UASS - UPS सामग्री वर्णन/Material Description :UASS - UPS : Uninterrupted Power Supply with 2 hrs power back up. (AS per TSP) With battery Buffered and Surge protection as per UASS System Requirement.	1 Number	30.09.2025
16000	सामग्री सं./ Material Number :- 150000000000074663 UASS -Software for UASS सामग्री वर्णन/Material Description :UASS -Software for UASS Type of License : Single License Media : DVD	1 Number	30.09.2025
16100	सामग्री सं./ Material Number :- 150000000000074664 UASS - Balloon filling unit सामग्री वर्णन/Material Description :UASS - Balloon filling unit with its accessories. (As per TSP) Suitable for Gas : Hydrogen Model : Standard Carrying case : Aluminium	1 Number	30.09.2025
16200	सामग्री सं./ Material Number :- 150000000000074674 UASS - RADIOSONDE सामग्री वर्णन/Material Description :UASS - RADIOSONDE AS PER TSP.	100 Number	30.09.2025
16300	सामग्री सं./ Material Number :- 150000000000074675 UASS-METEOROLOGICAL BALLOONS सामग्री वर्णन/Material Description :UASS-METEOROLOGICAL BALLOONS Should be in standard packing.	100 Number	30.09.2025
16400	UASS -SERVICES OF ENGINEER-Installation Service Description :UASS - SERVICES OF ENGINEERS FOR CONNECTORISATION AND INSTALLATION. The Line item 16400 covers the following services	1 Activity unit	31.10.2025
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- UASS -	1 Activity unit	

क्र सं. SL.No.	सामग्री / सेवा विवरण Material / Service Details	मात्रा / इकाई Quantity / unit	आपूर्ति तिथि Delivery Date
CONNECTORISATION & INSTALLATION			
16500	UASS - TRAINING Service Description :Training as per TSP. The Line item 16500 covers the following services	1 Activity unit	30.11.2025
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- UASS - TRAINING	1 Activity unit	
16600	सामग्री सं./ Material Number :- 150000000000074677 UASS -On board spares सामग्री वर्णन/Material Description :UASS - On board spares as per TSP.	1 SET	30.09.2025
16700	सामग्री सं./ Material Number :- 150000000000054138 UASS - Documentation सामग्री वर्णन/Material Description :Documentation for UASS	1 SET	30.11.2025
16800	सामग्री सं./ Material Number :- 150000000000024989 UASS - IETM LEVEL IV. सामग्री वर्णन/Material Description :IETM (level 4) Documentation as per TSP.	1 SET	30.11.2025
16900	FATS Service Description :FATS OF UASS. The Line item 16900 covers the following services	1 Activity unit	30.06.2025
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- FATS	1 Activity unit	
17000	HATS Service Description :HATS OF UASS The Line item 17000 covers the following services	1 Activity unit	30.01.2026
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- HATS	1 Activity unit	
17100	SATS Service Description :SATS OF UASS The Line item 17100 covers the following services	1 Activity unit	30.01.2026
000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- SATS	1 Activity unit	
17200	सामग्री सं./ Material Number :- 150000000000036326 CABLES & INSTALLATION MATERIALS सामग्री वर्णन/Material Description :CABLES & INSTALLATION MATERIALS	1 SET	30.08.2025

क्र सं. SL.No.	सामग्री / सेवा विवरण Material / Service Details	मात्रा / इकाई Quantity / unit	आपूर्ति तिथि Delivery Date
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INSTALLATION MATERIAL INCLUDING CABLES, CONNECTORS OR ANY OTHER MATERIAL REQUIRED FOR MAKING SYSTEM UP & FUNCTIONAL SHOULD BE SUPPLIED.

17300	Extension of Warranty for year-1. Service Description :Rate for extension of warranty as per TSP Para 17. The Line item 17300 covers the following services	1 Activity unit	30.11.2029
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000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- Extension of Warranty for year-1.	1 Activity unit	
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17400	Extension of Warranty for year-2. Service Description :Rate for extension of warranty as per TSP Para 17. The Line item 17400 covers the following services	1 Activity unit	30.11.2030
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000000001 0	सेवा सं./Service Number :- संक्षिप्त वर्णन/Short Description :- Extension of Warranty for year-2.	1 Activity unit	
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नियम और शर्तें : भाग ए में लिखी हुई और इतर संलग्नपत्रे इस निविदा एक अभिन्न अंग हैं |हमें आशा है की,हमें प्रतियोगित्मिक और उचित प्रस्ताव इस निविदा के लिए प्राप्त होगा |
Terms & Conditions as indicated in Part A of this tender and other enclosures / annexures form an integral part of this tender document. We look forward to receive your most competitive and reasonable offer against this Tender.

माझगाँव डॉक शिपबिल्डर्स लिमिटेड के लिए /For Mazagon Dock Shipbuilders Ltd



Tender Enquiry

Enclosure to Tender Enquiry: Part 'A': Tender Terms and Conditions
Tender No. 1700000510
Item: Upper Air Sounding System (UASS)
Project: P17A
Type of tender: Open Tender Enquiry for Indian Bidders

Section I - Notice Inviting Tender (NIT)

1. Notice Inviting Tender (NIT): Mazagon Dock Shipbuilders Limited (MDL), Mumbai is India's leading Shipbuilding Company with ISO 9001:2015 accreditation. Mazagon Dock Shipbuilders Limited, invites offer in two bid system i.e. Part-I (Techno Commercial Bid) and Part-II (Price Bid) from Indian bidders through online bidding via MDL e-procurement portal (<https://eprocuremdl.nic.in>) for Item /Services.
2. **The Tender Document.**
 - i. **Bidders must read the complete 'Tender Document'.**
 - ii. Bids must be uploaded till the deadline for submission of bids. Bidders in their own interest are requested to upload their bids well in advance of tender closing date to avoid the last minute difficulties in uploading the bids. Request for extension, if at all to be made, shall be forwarded at least 3 working days in advance to the tender closing date / time (excluding tender closing date) with proper reasoning. **However, the extension would be granted by MDL on merit of the case at MDL discretion and would be binding on all bidders.**
3. **Eligibility Criteria for Participation in this Tender:** Subject to provisions in the Tender Document, participation in this Tender Process is open to all bidders who fulfil the 'Eligibility' and Pre-Qualification criteria. Bidder shall be required to declare fulfilment of Eligibility Criteria.
4. **Submission of Bids:** No manual Bids shall be made available or accepted for submission (except for originals of scanned copies as per sub-clause above). Bidder must comply with the conditions of the eProcurement portal, including registration, compatible Digital Signature Certificate (DSC) etc. In the case of downloaded documents, Bidder must not make any changes to the contents of the documents while uploading, except for filling in the required information.
5. **Disclaimers and Rights of MDL:** The issue of the Tender Document does not imply that MDL is bound to select bid(s), and it reserves the right without assigning any reason to
 - (a) reject any or all of the Bids, or
 - (b) cancel the tender process; or
 - (c) abandon the procurement of the Goods/Services; or
 - (d) issue another tender for identical or similar Goods/Services.

Note: Please refer to appended TEF and the complete Tender Document for further details.

Tender Inviting Authority



Tender Enquiry

Enclosure to Tender Enquiry: Part 'A': Tender Terms and Conditions
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Section II - Tender Enquiry Form (TEF)

Integrity Pact shall be signed on each page by the authorized representative of the bidder and submit/upload along with the Part-I bid, failing which the bid shall be categorically rejected.

Bidder to note that the shortfall information/documents shall be sought only in case of historical documents which pre-existed at the time of the tender opening i.e submitted along with original bid and which have not undergone change since then.

1. Preamble:

- a) The tendered items are for 07 Ship sets of Project 17A. Four Ships viz. Y-12651, 12652, 12653, 12654 are being constructed at Mazagon Dock Shipbuilders Limited, Mumbai (herein referred as MDL), Mumbai and three ships viz. Y-3022, 3023 & 3024 are being constructed at Garden Reach Shipbuilders & Engineers Limited (herein referred as GRSE), Kolkata.
- b) The tender shall be processed by MDL for 07 Ships set. However, Purchase order for MDL and GRSE will be placed separately by respective shipyards as per scope given in tender.
- c) Equipment along with its associated auxiliaries/components for four Ship sets are to be delivered to MDL, Mumbai and for three Ship sets to be delivered to GRSE, Kolkata.
- d) **B&D spares:** Decision for placement of order for B&D spares will be taken at later date post ranging and scaling done by Indian Navy. MDL & GRSE will place orders for B&D spares separately. B&D Spares are to be delivered to Material Organization, Visakhapatnam.
- e) Tender line items are inseparable and non-divisible in nature.

2. Description & Scope of Supply / Work: (As per TSP P17A/5083 Ver 02 dtd 03.10.2023)

3. Pre-Qualification Criteria:

(a) Technical Qualification/Work Experience Criteria for Goods:

- i. The firm should have past experience of installation of the equipment onboard ships. Further, the firm should supply a minimum of 100 systems across the globe with a manufacturing capability of around 15000 radiosondes per annum.
- ii. The firm should have participated in the WMO inter comparison of their radiosondes (This would help IN to access the performance and reliability of the system)
- iii. The equipment so provided should be of plug and play type and any accessories that are need to operationalize the equipment should be provided by the firm irrespective whether it was reflected in the TSP or not. However, hydrogen gas and balloons do not fall under this category.

(b) Commercial Qualification Criteria for Goods:

- 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 1,30,35,715/-** as per the annual report (audited balance sheet as applicable and 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 Shop and establishment registration certificate or registration certificate from registrar of firms or certificate of incorporation from Registrar of Companies (Not required for permanent registered vendors with MDL)

Note:

a) Applicability to 'Make in India':

Bidders (manufacturer or principal of authorised representative) who have a valid/approved on going 'Make in India' agreement/program and who while meeting all



Tender Enquiry

Enclosure to Tender Enquiry: Part 'A': Tender Terms and Conditions

Tender No. 1700000510

Item: Upper Air Sounding System (UASS)

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other criteria above, except for any or more of sub-criteria in Experience and Past Performance above, would also be considered to be qualified provided:

- (i) their foreign 'Make-in-India' associates meets all the criteria above without exemption, and
 - (ii) the Bidder submits appropriate documentary proof for a valid/approved on going 'Make in India' agreement/program.
 - (iii) the bidder (manufacturer or principal of authorised representative) furnishes along with the bid a legally enforceable undertaking jointly executed by himself and such foreign Manufacturer for satisfactory manufacture, Supply (and erection, commissioning if applicable) and performance of 'The Product' offered including all warranty obligations as per the general and special conditions of contract.
- b) Authorized Representatives:
Bids of bidders quoting as authorised representative of a principal manufacturer would also be considered to be qualified, provided:
- (i) their principal manufacturer meets all the criteria above without exemption, and
 - (ii) the principal manufacturer furnishes a legally enforceable tender-specific authorisation in the prescribed form assuring full guarantee and warranty obligations and all contractual obligation as per the tender terms and conditions; and
 - (iii) the bidder himself should have been associated, as authorised representative of the same or other Principal Manufacturer for same set of services as in present bid (supply, installation, satisfactorily commissioning, after sales service as the case may be) for same or similar 'Product' for past three years.
- c) Joint Ventures and Holding Companies: Credentials of the partners of Joint ventures cannot (repeat cannot) be clubbed for the purpose of compliance of PQC in supply of Goods/Equipment, and each partner must comply with all the PQC criteria independently.
However, for the purpose of qualifying the Financial Standing Criteria, the Financial Standing credentials of a Holding Company can be clubbed with only one of the fully owned subsidiary bidding company, with appropriate legal documents proving such ownership.
- d) The condition of prior turnover and prior experience is relaxed **only to all Start-ups** recognised by Department for Promotion of Industry and Internal Trade (DPIIT) subject to meeting of quality & technical specifications. Start-ups may be MSME or otherwise. MSEs & Start-ups shall be given relaxation of 25% in prior turnover. However, for procurement of items related to public safety, health, critical security operation and equipment etc. vendor shall meet prior experience criteria.
Note: MSEs would be treated as owned by SC/ ST entrepreneurs:
- (i) In case of proprietary MSE, proprietor(s) shall be SC /ST;
 - (ii) In case of partnership MSE, the SC/ ST partners shall be holding at least 51% (fifty-one percent) shares in the unit;
 - (iii) In case of Private Limited Companies, at least 51% (fifty-one percent) share shall be held by SC/ ST promoters.
- e) It is clarified that the work executed by the contractors for their in-house or capital use need not be considered for the purpose of bidders' experience of completion of similar works.
- f) Bidders need to upload / submit supporting documentary evidence in support of the Pre-Qualification Criteria viz. Work / Purchase Order, Work Completion Certificate/ Proof of payment with Tax Invoice / Store Receipt and Acceptance Report or any other evidence



Tender Enquiry

Enclosure to Tender Enquiry: Part 'A': Tender Terms and Conditions
Tender No. 1700000510
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that confirms that the work is completed which is issued by the party for whom the work is done. MDL has a right to verify / cause verification of authenticity of the said documents whenever felt necessary.

4. Earnest Money Deposit (EMD) / Bid Security:

- (a) EMD applicable for this tender is Rs. 10,00,000/- (INR Ten Lakhs only).
- (b) EMD in the form of NEFT / Demand Draft / Pay order / Bank Guarantee / Insurance Security Bond / e-Bank Guarantee drawn in favor of MAZAGON DOCK SHIPBUILDERS LIMITED or bid bond shall be forwarded to HOD (Commercial) 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. The bid bond/ Bank Guarantee should be valid for 4 more weeks beyond the offer validity period indicated in the tender. Either of these instruments should be drawn on as per the list of banks approved by SBI/ Canara bank published on MDL website, payable at Mumbai. Crossed DD/ Pay Order issued by Co-operative banks however will be accepted subject to realization. Authorized Indian agent of the overseas bidders can submit EMD in the form of NEFT / DD/ Pay Order in Indian Rupees. Similarly, authorized Indian agent of the overseas bidders can submit BG on behalf of foreign bank as per list of banks approved by SBI / Canara bank as bank of international repute published on MDL website. Bidders to advise their bank/ banker to send EMD directly to commercial department or through SWIFT to dispense with additional step of verification of authenticity of signatories. In case of EMD transmitted through SWIFT, it shall be the responsibility of the bidder that he directs the receiving banker to forward the message duly authenticated to the concerned commercial officer mentioned in the tender. No change/modification in the text of the prescribed format of the BG is permissible.
- (c) Bidders should mention EMD details on MDL e-procurement portal.
- (d) In case of online remittance of EMD amount, scanned image as per format, duly filled, shall be uploaded in Part-I Techno-commercial bid. Further, the bidder should specifically mention the details of company name as well as nature of remittance, tender number/order number etc. in the text/narration fields of Bank's NEFT remittance in order to identify the same.
- (e) EMD can also be remitted online through MDL website: <https://www.mazagondock.in/OnlinePayment.aspx>.
Or one can find Online payment tab on MDL website home page as under:
 - Go to www.mazagondock.in
 - Click on Online payment tab available on home page.
 - 4 option viz. Career, Tender, Security, Scrap/ Disposal will be available.
 - Click on the Tender tab and make the payment online using Debit cards, Credit Cards, Net banking, BHIM/ UPI etc. after filling the required details.
- (f) Bids received without EMD will be categorical rejected other than exempted categories. Following bidders shall be exempted from submission of EMD.
 - i. State & Central Government of India Departments & Public Sector Undertakings.
 - ii. Firms registered with MDL. To qualify for EMD exemption, firms should necessarily submit valid copy of the Registration Certificate issued by MDL, for the items for which the offer is being submitted. Firms in the process of obtaining MDL registration will not be considered for EMD exemption.
 - iii. Micro and Small Enterprises who are manufacturer or Service Provider and give specific confirmation to this effect at the time of bid submission and whose credentials are validated online through Udyam Registration (as validated by Government from time to time) and through uploaded supporting documents.
 - iv. Firms registered with NSIC under its "Single Point Registration Scheme". (Exemption will apply only to items/services for which they are registered. To qualify for EMD exemption, firms should necessarily submit valid copy of the Registration Certificate along with the list of items / services for which they are registered, as issued by NSIC, in Part-I offer / bid. Firms in the process of obtaining NSIC registration will not be considered for EMD exemption.
 - v. Start-ups as recognized by Department of Industrial Policy and Promotion (DIPP).



Tender Enquiry

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- vi. The recognised institutes such as VJTI/IIT.
- vii. Common/Deemed DPSU registered vendors qualify for EMD exemption. Such firms shall submit valid copy of the registration certificate issued by DPSUs (other than MDL) for the items / services for which the offer is being submitted in Part-I offer/bid. Firms in process of obtaining registration in other DPSUs will not be considered for EMD exemption.
- viii. Green Channel Status vendors qualify for EMD exemption. Such firms shall submit valid copy of the Green channel certificate issued by MoD for the items for which the offer is being submitted in Part-I offer/bid. Firms in process of obtaining this certificate will not be considered for EMD exemption.

Note: Bidder shall submit/upload the supporting documentary evidence along with Part I bid for claiming EMD exemption.

- (g) The original of EMD other than online EMD must be submitted to the HOD(C), Mazagon Dock Shipbuilders Ltd., Dockyard Road, Mazagaon, Mumbai-400010 within seven (7) MDL working days from the Tender closing date, in an envelope super-scribing the Tender no., Tender date, Tender closing date, Purchase Officer's name & brief description of the goods/ services tendered. If the original BG is not received in MDL, the Bid would be considered invalid & rejected accordingly.
- (h) EMD of unsuccessful bidders will be returned after finalization of the tender and shall be interest free.
- (i) 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.

5. Validity Period of Offer:

- (a) Bid / Offer shall have the validity period of **180 days** from the tender closing date.
- (b) In case the day up to which the bids are to remain valid falls on/ subsequently declared a holiday or closed day for MDL, the bid validity shall automatically be deemed to be extended upto the next working day.
- (c) In exceptional circumstances, before the expiry of the original time limit, MDL may request the bidders to extend the validity period for a specified additional period. The request and the bidders' responses shall be made in writing or electronically. A bidder may agree to or reject the request. A bidder who has agreed to MDL's request for extension of bid validity, in no case, he shall be permitted to modify his bid.
- (d) Validity of the B&D spares shall be 365 days from the tender closing date or 365 days from date of submission of B&D spares list in ILMS format along with final CPL/PIL in ILMS format by the bidder whichever is later.

6. (A) Delivery Period/Contract Period (For Goods):

- (a) Delivery Period / Contract Period: Delivery/contract period shall be as per para 15 of TSP P17A/5083 Ver 02 dtd 03.10.2023.
- (b) **Part Delivery:** Part Supply shall be accepted.
- (c) The delivery dates mentioned against each line item/service are for indicative purpose. The delivery/contract schedule given at above para shall be considered for all purposes.

7. (A) 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 submitted in the Part-I bid as applicable:
 - (i) Technical & Commercial offer.
 - (ii) Integrity Pact (IP) Signed (On each page) as per enclosed format.
 - (iii) Earnest Money Deposit (EMD).
 - (iv) Pre-qualification documents.
 - (v) Valid MSME Udyam Certificate, MDL Registration Certificate & ISO Accreditation Certificate.
 - (vi) Taxes and duties certificate for which they are registered.
 - (vii) Acceptance of Tender terms & General Condition of Contract (GCC).



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- (viii) Declaration of Local Content, preference for MSE Order 2012 / PPP Order 2017 for purchase preference.
- (ix) Compliance Certificate w.r.t. Land Border Clause
- (x) Unique GeM Seller ID.
- (xi) Blank rate sheet indicating quoted/not quoted against each line item, tax percentage, type of taxes and FE content.
- (xii) Bank details for payment by RTGS/NEFT in the format enclosed.
- (xiii) Bidder contact details as per attached annexure "Contact Details of the bidder."
- (xiv) Undertaking for product support as per TSP.
- (xv) "Certificate of conformity" as per TSP.
- (xvi) TSP/SOTR Compliance Matrix/Deviation form
- (xvii) Weight control Data sheet
- (xviii) On Board spares (OBS) list for each ships set in excel format with cost breakup in percentage of total OBS cost.
- (xix) 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 strictly in the prescribed format provided in the e-procurement portal. Bids received other than this given format will be **rejected**.

Note:

- (i) If, in the price structure quoted for the required goods, there is discrepancy between the unit price and total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly;
- (ii) If there is an error in a total corresponding to the addition or subtraction of sub-totals, the sub-totals shall prevail and the total shall be corrected; and
- (iii) If there is a discrepancy between words and figures, the amount in words shall prevail.
- (iv) For inseparable (overall lowest) requirement, if a firm quotes NIL charges/consideration, the bid shall be treated as unresponsive and will not be considered.

8. **Bid Modification:** Modification in bids, if any, is to be made by bidders prior to the tender closing date & time.

9. **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 after tender closing date and time.
 - (ii) Bids received other than through e-portal (in case of e-tender)
 - (iii) Bidders who are debarred under PPP MII order 2017, GeM, CPPP including Tender holiday issued by MDL.
 - (iv) Bids received without Integrity Pact duly signed by the bidder on each page.
 - (v) Bids received without EMD (other than those who are exempted from payment of EMD).

- (b) **Liabe rejection criteria:** Non-compliance/non-acceptance to any of the terms and conditions of the tender other than following shall render the bid liable for rejection;

- (i) Clause mentioned under loading criteria

Note: Equal time and opportunity for submission of deficient techno-commercial documents and clarification shall be given to the bidders. Bidders are required to submit such documents / clarifications within the duration / date stipulated by MDL failing which their bids will be rejected.

10. **Performance Security (PS):**



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- (a) Separate Performance Security for an amount equal to 5% of each order value (excluding taxes, duties) payable in Indian Rupees shall be submitted.
- (b) Performance Security is to be furnished within 25 days 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.
- (c) Performance security may be furnished in the form of NEFT / Demand Draft / Pay order / Bank Guarantee / Insurance Security Bond / e-Bank Guarantee in favour of Mazagon Dock Shipbuilders Limited, Mumbai from the list of Banks approved by SBI / Canara Bank published on MDL website.
- (d) PS can also be remitted online through MDL website: <https://www.mazagondock.in/OnlinePayment.aspx>.
Or
one can find Online payment tab on MDL website home page as under:
 - Go to www.mazagondock.in
 - Click on Online payment tab available on home page.
 - 4 option viz. Career, Tender, Security, Scrap/ Disposal will be available.
 - Click on the Tender tab and make the payment online using Debit cards, Credit Cards, Net banking, BHIM/ UPI etc. after filling the required details.
- (e) Further, the bidder should specifically mention the details of company name as well as nature of remittance, tender number/order number etc. in the text/narration fields of Bank's NEFT remittance in order to identify the same. The duly filled & signed copy of annexure is to be submitted to respective dealing commercial executives.
- (f) In cases where the supplier / contractor has not submitted the PS and already commenced supply / services, dealing commercial executives shall advice Finance department for withholding the PS from his bills if any. In such case, interest is to be recovered for the period starting from 26th day of transmission / notification of order/contract by any mode and amount involved at the relevant rate of interest. For Indian suppliers, the interest will be SBI BPLR plus 2%.
- (g) PSU may submit Indemnity bond in lieu of Performance Security Bank Guarantee in case of single tender only.
- (h) PSBG shall be valid for validity period of PSBG plus four weeks for settlement of claim.
- (i) The performance security will be forfeited and credited to MDL's account in the event of a breach of contract by the contractor. It will be refunded to the contractor without interest, after he duly performs and completes the contract in all respects but not later than 60(sixty) days of completion of all such obligations including the warranty under the contract.
- (j) Where the duration of contract is very long and banks are unwilling to issue BGs for long duration, rolling bank guarantee towards performance security can be submitted where it will be valid for at least one year with claim period of three months within which the same can be extended for further period by amendment.
- (k) Performance security on reducing balance can be accepted when the contract period extends beyond one year. This will be effective on completion of one year and thereafter on six monthly / yearly basis.
- (l) No exemption can be granted to any unit including MSME, SSI units and MDL Registered Supplier.
- (m) In case of failure to submit performance security deposit by the supplier within 25 days of transmission / notification of order by any mode, the EMD will be forfeited (if available) and MDL reserves the right to cancel the order and invoke the risk purchase clause.
- (n) In the event of defects due to poor workmanship leading to non-performance of the Equipment/Item and bidder failure to attend the defects within a reasonable period of time, the PSBG will be encashed by MDL. MDL's decision in this regard shall be final and binding on the supplier / contractor.
- (o) In the event of postponing of delivery of deliverables/services or extension of guarantee desired & sought by MDL, the Performance Security has to be extended and its amendment charges shall be borne by MDL.

11. Warranty/Guarantee:

- (a) The equipment / item along with associated auxiliaries/components supplied shall be warranted / guaranteed for satisfactory Performance for the period of 24 months from date of receipt in MDL. Refer TSP clause.



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- (b) The Supplier cannot absolve their responsibility for warranty of material even though it is inspected by & approved by the inspection authorities.
- (c) 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.
- (d) 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.
- (e) **Warranty Extension Charges:** Bidders have to quote for warranty /guarantee extension charges of total basic price of Main equipment & OBS respectively in the price sheet attached with the tender. Bidder should note that these charges will be considered for ranking purpose and therefore must be indicated in their quote. Further bidders to note that MDL if desires to extend the warranty / guarantee period after completion of warranty, the charges for warrantee / guarantee period extension quoted by the bidder shall be considered on pro-rata basis for the actual extension period. Suitable communication for warranty extension period will be communicated to the supplier in case warranty extension is desired. Bidders shall not claim for warranty extension in case this clause is not being exercised. The quoted warranty / guarantee extension charges applicable for a period of two years will be ranked on compounding basis.
- The scope of this warranty extension charges would be same which would be provided during original warranty period as a continuation to original warranty covering the entire Scope i.e. Main Equipment and OBS.
- In case a bidder does not quote warranty/ guarantee extension charges in their Part-II Price Bid, the said charges will be considered as 0% while ranking of the bid. In such case bidder has to extend warranty / guarantee if required at no extra cost up to 2 years beyond contractual agreed period.

12. **Currency of Bidding:** Indian Rupees only.

13. Pricing:

- i) Prices of all items/services shall be quoted for delivery of the items/services to the following destination including Charges towards inland transportation, insurance, and other local costs incidental to the delivery of the Goods/Services.

Items/services	Delivery/Work Address
UASS	MDL, Mumbai Store for 4 MDL Shipset (Y-12651-Y-12654)
UASS	GRSE, Kolkatta Store for 3 Shipset (Y-3022 to Y-3024)
B&D Spares	Material Organization, Visakhapatnam

- ii) The prices quoted shall remain firm and fixed during the currency of the order / contract unless agreed otherwise by MDL.

14. **Tie Breaker:** When multiple bidders quote same price for particular item(s)/services under such situation, following action in given sequence shall be done:

- (a) Incase of divisible, 50-50 qty to be given to each.
- (b) Incase of non-divisible, supplementary bid to be obtained.
- (c) Incase of both divisible and non-divisible, lottery option to be exercised after above options are not conclusive.

15. Taxes & Duties:

- (a) Bidders must clearly mention the applicable Taxes & Duties in the rate sheet enclosed in the tender. The item-wise rates (i.e. Basic + Packing, Forwarding, Freight & Insurance) quoted in the Rate sheet should exclude Taxes, Cess & Duties. Bidder should indicate GST rates as applicable separately under each of the head in the same rate sheet, which will be paid extra based on tax invoice to the extent applicable.



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- (b) Supplier / contractor will not be entitled to any increase in rate of taxes occurring during the period of extended delivery completion schedule if there is delay in supplies / completion attributed to him. However, if there is a decrease in taxes, the same must be passed on to MDL.
- (c) Income tax applicable on cost of services rendered in India in relation to the contract, shall be payable by bidders.
- (d) TDS (GST) shall be carried out as per the existing Laws and Acts.
- (e) **Goods and Services Tax (GST):**
- (i) The prevailing rate of GST is to be indicated in your blank rate sheet in Part-I.
- (ii) For MDL's GST number, please visit our website. MDL's GST Number is **27AAACM8029J1ZA**.
- (iii) Bidder shall mention MDL GSTIN while invoicing and avoid any data entry error on GST portal.
- (iv) Bidders shall mandatorily mention their GST number in their offer.
- (v) Bidders shall mention the HSN (Harmonised System of Nomenclature) code for the quoted items and services in their offer. These codes must be in accordance with GST law and responsibility of specifying correct HSN codes for goods &/or services is that on the bidder. MDL shall not be responsible for any error in HSN no. specified by vendor. However, if any penalty is levied on MDL or any loss of ITC to MDL occurs or any delay in availing ITC by MDL occurs due to such error, vendor shall reimburse such loss after intimation by MDL or the amount shall be recovered from the SD or any outstanding payments to the vendor.
- (vi) Bidder must mention HSN numbers in invoices as reflected in the order. These codes must be in accordance with GST law.
- (vii) If bidder is registered under GST, bidder should note that successful bidder shall ensure timely submission of invoice and file all applicable returns under GST Law in the stipulated time & any losses of ITC to MDL arising due to delay in submission of invoice or delay in filing will be recovered from their invoice wherever MDL is eligible to avail tax credit. Any default towards payments of tax and / or uploading of monthly returns by supplier / contractor, MDL retains right to withhold payments towards tax portion until the same is corrected & complied by the supplier/ contractor with the requirement of GST along with satisfactory evidence.
- (viii) Original invoice to be submitted to Bill Receipt Centre at MDL gate and a copy of the invoice to be submitted to the respective stores.
- (ix) If the GST rating of supplier / contractor on GST portal/ Govt. website is found to be negative/ blacklisted, the MDL reserves the right to reject the offer of such bidders. Similarly, on post placement of the contract/order, MDL shall reimburse GST to the vendor only after he makes the payment of GST and fulfils all requirements as per GST law for successful GST along with penalties/interest, if any, incurred by MDL.
- (x) In case, MDL is unable to avail ITC, supplier/ contractor at their own cost shall rectify the shortcoming in the returns to be filed immediately thereafter. Further, if the ITC is delayed / denied to MDL/ reversed subsequently as per GST laws due to non/ delayed receipt of goods and/ or services and/ or tax invoices or expiry of timelines prescribed in GST Laws for availing ITC, nonpayment of taxes or non-filing of returns or any other reason not attributable to MDL, such amount shall be recoverable from supplier / contractor along with interest and penalty as levied on MDL under GST Law for the number of days the ITC was delayed. This amount shall be recovered from the SD or any outstanding payments. If the short coming is not rectified by supplier / contractor and MDL ends up in reversal of credits and / or payments, supplier / contractor is fully liable for making good all the loss incurred by MDL as a result of default.
- (xi) If bidder is registered under GST, Suppliers shall be responsible for the financial and non-financial consequences in case of non-compliance of GST provisions/requirements/timelines on their part.
- (f) **Custom Duty:**
- (i) Basic custom duty (BCD) and Cess as applicable on Import content will be reimbursed to the Indian bidders by MDL against documentary proof of payment (submissions of original receipts). Applicable GST on BCD and Cess shall also be payable.
- (ii) Basic custom duty (BCD) and Cess as applicable on all imported goods shall be loaded appropriately for arriving at landed price.



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- (iii) Indian Supplier will forward to MDL, separate lists of items required to be imported by themselves and their sub-supplier giving the respective drawing references three months prior to actual import for scrutiny by Directorate of NSM to MDL.
- (iv) At the time of claiming reimbursement based on above, the following documents have to be forwarded:
 - Copy of the Import Purchase Order
 - Copy of the Import Invoice
 - Certification by Supplier that items being imported are for fitment on warships.
 - Air Way Bill / Bill of Lading marked as Freight Paid
 - Insurance Policy/Insurance Document.
 - Evidence/Receipt towards payment of above taxes / duties
- (v) The following certificates will be given.
 - End Use Certificate if applicable. Format to be provided by vendor immediately after placement of order.
 - E-Way Bill as applicable as per prevailing rule.

16. Payment Terms:

- (a) Advance payment is not applicable for this tender.
 - (i) On receipt of Invoice, 95 % of Payment shall be made within 15 days of receipt/completion of material/services subject to acceptance of material/services 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/services 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 claim period.
 - (iii) **Part Payment:** Part Supply, Part Payment shall be accepted.
- (b) **Services/Training:**
 - (i) 100% payment for all kinds of services like STW, HAT, SAT, installation, commissioning assistance, training wherever included in the same order will be admissible for payment **within 15 days** against certification by the designated acceptance authority after satisfactory completion of the respective activities/services.
 - (ii) In case SATs gets delayed beyond twelve months from the delivery date of the ship, then the said balance amount shall be released against submission of a Bank Guarantee for an equivalent amount valid till the estimated period of completion of SATs plus one month.
 - (iii) No claims by the firms will be entertained after 03 years from date of execution/completion of order.

17. Payment Mode & Documents:

- (a) All the payments to indigenous bidders due shall be made through Real Time Gross Settlement (RTGS) / National Electronic Fund Transfer (NEFT) by MDL.
- (b) **Documents for Payments for Indian Bidders (Goods):**
 - (i) Suppliers invoice.
 - (ii) PO copy with amendments if any
 - (iii) Confirmation of receipt and verification of Bank Guarantee for Advance Payment, Performance security as the case may be.
- (c) **Documents for Payments for Services:**
 - (i) Set of Original + 2 Copies of signed Invoice showing item / activity wise prices as per the Contract / Order.
 - (ii) Work Completion Certificate Duly Certified by MDL.



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- (iii) Documents Such as Guarantees etc. as per the order terms.
- (iv) Certificate issued by MDL confirming that the work is completed in time and no penalty is applicable OR in case of delays, admissible amount of penalty will be specified by MDL in this certificate for reduction of equal amount from Contractor's invoice. (MDL will issue this certificate generally by E-Mail immediately on completion of the work.

Note: Invoices should be submitted at "Receipt Section" adjacent to the ARS Punching Section, South Yard MDL.

(d) **Alternate MSME vendor payment through TReDS:**

- i) In order to address the financial needs of MSME firms, GoI has introduced a platform for facilitating the financing of trade receivables of MSMEs from buyers, through multiple financiers which is termed as Trade Receivables Discounting System (TReDS). At TReDS, auctioning of invoices at competitive & transparent environment is done by financiers based on Buyer's credit profile.
- ii) MDL is registered on the "Invoicemart" TReDS platform and M1xchange of M/s Mynd Solutions Pvt. Ltd.
- iii) MSME bidders desirous to receive payments through TReDS platform may avail the facility if they are already registered on
 - a) "Invoicemart" TReDS platform or by registering on it.
Contact details at "Invoicemart" TReDS platform are as below:
022 6235 7373 and a new mail id service@invoicemart.com.
 - b) "M1xchange" TReDS platform or by registering on it.
Contact details at "M1xchange" TReDS platform are as below:
+91 9920455374 Ms Ashwathi Jayandran email id: ashwathi.jayandran@m1xchange.com
+91 8839915724 Ms Priyanka Shah email id prinyaka.shah@m1xchange.com

- (e) **E Invoice:** Wherever GST is applicable, payment will be released against e-Invoice, or Invoice accompanied with Vendor's Self Declaration that " We do not fall under the category of registered persons notified under Rule 48(4) of the Central GST Rules, 2017 and we are not required to comply with e-Invoicing provisions under GST Act, as our aggregate turnover in any preceding financial year from 2017-18 onwards has not exceeded Rs. 10 Crores as per GST act" (from 1st October 2022-Turnover limit reduced to Rs. 10 Crs. from Rs. 20 Crs.)

18. Exchange Rate Variation (ERV).

- (a) ERV clause is applicable where the delivery period is more than one year (One-year period shall be from date of order) and there is FE content.
- (b) F.E. Elements: **Indigenous bidders quoting imported component should clearly state** Base Exchange rate for each such foreign currency used for converting the foreign exchange content into Indian Rupees **and FE content.**
- (c) To work out the variation due to changes (if any) in the exchange rate(s), the base date for this purpose will be the due date of opening of tenders. The variation may be allowed between the above base date and exchange rate applicable on the date of Bill of lading/contractual delivery if bill of lading is delayed whichever is earlier. ERV shall be reimbursed subject to submission of proof and limited to FE content in their offer/actual whichever is less.
- (d) The applicable exchange rates as above will be according to the TT selling rates of exchange as quoted by authorised exchange bankers approved by RBI on the dates in question
- (e) Please note that no upward revision in F.E. content, once specified in the order based on your quote will be entertained.
 - (f) FE variation up to +/- 5% to be absorbed by either side. FE Variation only on the percentage beyond +/- 5% (i.e. upward and downward) at the time of actual import shall be reimbursed/recovered by MDL.
 - (g) No ERV shall be payable on the portion of contract price paid to the contractor as an interest free advance.



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- (h) Wherever stage payment, if any, is allowed with reference to procurement of bulk material, ERV will be limited to the date of such procurement or upto a date three months before scheduled delivery whichever is earlier.
- (i) Any increase or decrease in the customs duty by reason of the variation in the rate of exchange in terms of the contract will be to the buyer's account. In case the delivery period is revised/ extended, ERV will not be admissible, if this is due to the supplier's default; however, ERV benefits arising out of downward trends should be passed on to MDL.
- (i) Following documents are required for claiming ERV.
- A bill of ERV claim enclosing worksheet.
 - Banker's Certificate / debit advice detailing FE paid & Exchange rate, date of the transaction.
 - Copies of import orders placed on the suppliers.
 - Invoice of supplier for the relevant import orders

19. **Mode of Dispatch:** Road/Rail/Air/Sea.

20. **Consignee:**

- (a) Material scheduled for delivery are to be delivered at MDL (Electronic store located in Mumbai) & GRSE(Kolkatta).
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:
- PO copy & subsequent amendments issued to it, if any.
 - Inspection Release Note (IRN) issued by nominated inspection officer.
 - Delivery Challans clearly indicating MDL Purchase Order No, Inspection Note Details and Packing List co-relating the items in the inspection report.
 - Copy of Warranty Certificate, Preservation Certificate etc.
 - Technical documentation, if applicable.
 - 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.
- (d) The Consignee details for Base & Depot spares shall be Material Superintendent, Material Organization, Naval Store(CWH), Material Organization, Visakhapatnam.
- (e) The consignment must be delivered by giving at least one-week advance notice to Material Superintendent, Naval Store(CWH), Material Organization, Visakhapatnam under intimation to MDL clearly indicating weight, dimensions of the consignment etc.

21. **Work Done Certificate (WDC) / Completion Certificate (WCC):**

- a. Work Completion certificate (WCC) shall be issued on Satisfactory completion of respective work with inspection and acceptance reports. Agency responsible to issue WCC shall be Planning/user dept. (Chief manager & above).
- b. The WDC shall include cumulative statement of jobs carried out till last WDC. The necessary service entry shall be made in SAP system by the WDC certifying authority & will be submitted to the contractor for further invoicing. The WDC shall bear relevant Service Entry Sheet No., PO No. and respective item Sr. No., sub service line item of the PO.
- c. The WDC must clearly mention the mutually agreed completion schedule and actual work done schedule for start date & end date.
- d. In case of delays, the duration along with numbers of delayed days shall be specified in respective WDCs to invoke LD clause and effect recoveries from sub contractor's invoice.

22. **Inspection & Testing:**



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For Goods:

It shall be as per TSP P17A/5083 Ver 02 dtd 03.10.2023. Other general conditions related to inspection of material are as under:

- (a) The decision of the Inspecting Authority or their representatives, as the case may be, on any question of the intent, meaning and the scope of Specifications / Standards shall be final, conclusive and binding on the Bidder/ Supplier / Contractor.
- (b) **Receipt Inspection:** MDL with WOT/SOT/Customer shall carry out necessary inspection of the items on receipt in the MDL on the basis of appropriate MDL Inspection system requirements & the Inspection documents submitted by suppliers. Any objection raised by MDL inspection team against quality of material or workmanship shall be satisfactorily corrected by the supplier at his expenses including replacement as may be required within shortest possible time within 30 days. Items damaged during transit shall also be rectified or replaced by the supplier within shortest possible time.
- (c) **Rejection of the material:** Any portion of the equipment found defective/rejected, the supplier shall collect the same at his cost from the MDL Yard, all incidental charges being born by supplier, (inclusive of custom duty, if payable), within 30 days from the date of intimation to the supplier of such rejection. The MDL reserves the rights to dispose-off the rejected item at the end of a total period of 90 days in any manner, to the best advantage to the MDL & recover storage charges & any consequential damages, from sale proceeds of such disposal.

23. Loading Criteria:

Deviations sought by the bidder shall be loaded on the bidder/s quoted prices during price evaluation by MDL for ranking of bids to judge L1, as under.

- (a) Varied payment terms quoted by indigenous bidders as compared to the terms stated in the Tender document shall be normalized by adopting the Benchmark Prime Lending Rate of State Bank of India plus 2% thereon on the amount (s) at variation and / or for the period (in no. of days) at variation.

24. Ranking of Bids: Tender line items are inseparable and non-divisible in nature.

- (a) Ranking of bids shall be done by considering following factors:
 - i. The comparison of the responsive tenders shall be on total outgo from the MDL's pocket, for the procurement to be paid to the supplier or any third party, including all elements of costs duties, levies, freight insurance etc. excluding GST (where ITC is available). Therefore, it should normally be on the basis of FOR destination basis, duly delivered, commissioned, as the case may be.
- (b) Discount given, if any, by the bidders, after the last date for submission of the bids but before opening of the price bids, will not be considered for determining the ranking of bids but will be considered after the said bidder is adjudged as L1.
- (c) On-line ranking visible to the bidders after opening Part-II price bid is without loading parameters. However, the L1 bidder will be evaluated offline by applying all applicable loading parameters as per tender and clarifications during techno-commercial scrutiny / TNC meeting.
- (d) Loading/Ranking will be done on original submitted bid at the time of closing of tender. However, in case MDL invites supplementary price bid from technically qualified bidders, then same will also be considered while ranking of bids.

25. **Price Negotiation:** Usually, there shall be no price negotiations. However, MDL reserves its right to negotiate with the lowest acceptable bidder (L-1), who is techno-commercially suitable and on whom the contract would have been placed but for the decision to negotiate.

26. **Public Procurement Policy (Preference to Make In India) Order 2017:** The Government of India has issued revised Public Procurement (Preference to Make in India) order 2017 on 16th Sep' 2020 as part of its policy to encourage "Make in India" and promote manufacturing and production of goods and services in India with a view to enhancing income and employment. Subject to the provisions of this order and to



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any specific instructions issued by Nodal Ministry or in pursuance of this order, Purchase Preference shall be given to local suppliers in all the procurements undertaken by MDL in the manner specified below:

(a) **Aspects of 'Preference to Make in India':** The following terminology / definitions used in the policy is enumerated below and applicable to the tender:

(i) **Local content:** means the amount of value added in India which shall be the total value of item (goods, services or works or their combination) under procurement (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. Different definition of Local Content may be specified by the Nodal Ministry for items assigned to them, which will prevail over above.

Note:

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

b. Any participating bidder shall not be Joint Venture/Consortium; except in case of manufacture under license/technology collaboration agreements with phased indigenization under the PPP Make-in-India Policy 2017.

(ii) **Class-I Local Supplier:** means a supplier or service provider, whose goods, services or works offered for procurement, meets the minimum local content of 50%.

(iii) **Class-II Local Supplier:** means a supplier or service provider, whose goods, services or works offered for procurement, meets the minimum local content of 20% but less than that prescribed for "Class-I local supplier".

(iv) **Non-Local Supplier:** means a supplier or service provider, whose goods, services or works offered for procurement, has local content less than that prescribed for "Class-II local supplier" under this order.

(v) **L1:** means the lowest tender or lowest bid or lowest quotation received in a tender, bidding process or other procurement solicitation as adjudged in the evaluation process as per the tender or other procurement solicitation.

(vi) **Margin of Purchase Preference:** means the maximum extent to which the price quoted by a **Class-I Local Supplier** may be above the L1 for the purpose of purchase preference. The margin of purchase preference shall be **20%**.

Note:

(i) Procedure for determination of L1 price shall be as per tender clause 'Ranking of Bids'.

(ii) Purchase preference shall be given to **Class-I local supplier only**. No Purchase Preference will be given to Class-II or Non-Local Suppliers.

(iii) If Price/s of all class-I local supplier/s in a tender is more than 20% of L1's price, no purchase preference shall be applicable.

(b) **Eligibility Criteria to bid:**

Class I and Class II local Supplier are eligible to bid for this tender (Non-Local Supplier shall be categorically rejected)

Parallel contract: The tender requirement is for Parallel Contract / Order basis in the ratio of 60:40. The Purchase Preference to MSE & Class I suppliers shall be as per PPP Order shall be applicable.

Minimum local content: The "local content" requirement to categorize a supplier as "Class-I local supplier" is minimum 50%. For "Class-II local supplier", the "local content" requirement is minimum 20%.

(c) **Purchase Preference(PP):**

a) Purchase preference shall be given to only "Class-I Local Supplier" (Class II Local Supplier are not eligible for purchase preference) in procurements undertaken in the manner specified in the succeeding sub-paras:

b) The Class-I local suppliers, under PPP-MII Order, participating in any government tender, may or may not be MSEs, as defined under the MSME Act. Similarly, MSEs participating in any government tender, may or may not be Class-I local suppliers.



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Suppliers may be categorised in following four broad categories for consideration or applicability of purchase preference:

Category	Terminology
Supplier is both MSE & Class-I local supplier.	"MSE Class-I local supplier"
Supplier is MSE but not Class-I local supplier.	"MSE but non-Class-I local supplier"
Supplier is not MSE but is Class-I local supplier.	"Non-MSE but Class-I local supplier"
Supplier is neither MSE nor Class-I local.	"Non-MSE non-Class-I local supplier"

- c) In the procurement of goods, services which are covered by para above and which are not divisible in nature, and in procurement of services where the bid is evaluated on price alone (Items covered under Para 3A(c) of PPP-MII Order, 2017) and both MSEs as well as Class-I local suppliers are eligible for purchase preference Purchase preference shall be accorded as under:
- i) L-1 is "MSE Class-I local supplier": Contract shall be awarded to L-1.
 - ii) L-1 is not "MSE Class-I local supplier" but the "MSE Class-I local supplier" falls within 15% margin of purchase preference. Purchase preference shall be given to lowest quoting "MSE Class-I local supplier". If lowest quoting "MSE Class-I local supplier" does not accept the L-1 rates, the next higher "MSE Class-I local supplier" falling within 15% margin of purchase preference is to be given purchase preference and so on. If all "MSE Class-I local supplier" do not accept L-1 rates, then Para 24.3.4.5(iii) shall be followed.
 - iii) If conditions mentioned in sub paras 24.3.4.5(i) and 24.3.4.5 (ii) above are not met i.e. L1 is not "MSE Class-I local supplier" and "MSE Class-I local supplier" is not eligible to take benefit of purchase preference as per PPP-MSE Order or all "MSE Class-I local supplier" do not accept L-1 rates, the contract is to be awarded / purchase preference to be given in different possible scenarios as under:
 - a) L-1 is "MSE but non-Class-I local supplier" or "Non-MSE but Class-I local supplier": Contract be awarded to L-1.
 - b) L-1 is "Non-MSE non-Class-I local supplier": Firstly, purchase preference shall be given to eligible MSE as per PPP-MSE Order. If MSEs not eligible or does not accept then purchase preference to be given to eligible Class-I Local supplier as per PPP-MII Order. If Class-I Local supplier is also not eligible or does not accept then contract be awarded to L-1.
- d) Non-local suppliers, including MSEs falling in the category of Non-local suppliers, shall be eligible to bid only against Global Tender Enquiry..
- (d) **Declaration/Verification of Local content:**
- (i) Participating bidders to indicate the percentage of local content (i.e. value added in India) along with the details of location/s where the local value addition is made, in their bids, item wise or tender wise. The indicated local content percentage shall decide categorization of the vendors as "Class-I Local Supplier" / "Class-II Local Supplier" / "Non-local Supplier". All bidders should declare that the item and service offered meets the minimum local content & indicate its percentage in their offer which shall meet or excel required local content specified in tender. This declaration is necessary even if Custom Duty Exemption and / or ERV (if applicable) are not being sought. Certification as under is to be submitted mandatorily in technical Offer-Part-I bid. Self-certification by Chief Financial Officer or Other legally responsible person nominated in writing by the Chief Executive or Senior Member / Person with Management Responsibility of Corporation / Partnership / Individual. However, in cases of procurement for value in excess of Rs. 10 Crores, the bidders shall provide a certificate from statutory auditor or cost auditor of the company (in case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of supplier other than companies) giving the percentage of local content.



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- (ii) Bidders to be noted that once the declaration / certification is committed at tender submission stage, the same cannot be altered subsequently at technical negotiation stage or after award of contract otherwise would be treated / considered as false declaration by bidder and necessary action shall be initiated as per tender clause '**Debarment of bidders / suppliers**' of the said Order for debarment.
- (iii) Declared Local Content shall be the basis for categorization of the vendors and tender evaluation. However, MDL reserves the right to undertake detailed examination of declared local content and may call vendor to submit relevant documents.
- (iv) In cases where MDL received the complaint from any vendor or person, along with the fees prescribed below, verification of Declared Local Content shall be carried out by seeking additional info as deemed necessary and the bidders (including unsuccessful bidders) against the tender shall be obliged to furnish the necessary documents. Failing to do so, the vendor may invite penal action as per the provisions of the Order. If MDL possess the capability, then it shall perform the verification. However, if in the opinion of MDL matter needs to be dealt at higher level, then the complaint shall be referred to Nodal Ministry and their fees / expenses / charges applicable as per the Nodal Ministry, if any, shall be borne by the complainant. MDL is authorized to prescribe fees for handling complaints under revised PPP MII 2017 Order. The fees for filing a complaint under the order shall be Rs. 10,000/- per case. The complaint shall be filed to the Chairman, Public Grievance Cell. The fee shall be deposited by complainant in MDL's Account by NEFT.
- (v) On scrutiny of offer, if all the bidders participating in the tender happen to have either not submitted the declaration certificate or not declared / specified the local content percentage in the declaration certificate or specified local content lower than the minimum local content requirement as per the tender, the subject tender shall be cancelled & matter shall be taken up with Ministry, by the user department, as per the procedure indicated at above Purchase Preference Para or as amended by MoD / DPIIT / DoE.
- (vi) On opening of the price bids, if it is identified that there is difference in local content declaration made & local content percentage as per price quoted is now not meeting (i.e. lesser than) the specified tender requirement (i.e. only on the quoted price without any loading) then such bidder shall be disqualified and shall not be considered for ranking purpose. The bid would be treated / considered as given false declaration and necessary action for debarment shall be initiated.

Note: The original of the uploaded copy of Local Content Declaration shall be received in MDL within seven MDL working days from the tender closing date. Not receipt of the same is a "liable for bid rejection" criteria.

(e) **PPP MSE Order 2012:**

Purchase Preference under PPP MSE Order 2012 shall prevail over Purchase preference under PPP MII Order 2017. Bidders to be noted that, in case of participation of MSE and Local Supplier against a same tender, MSE bidder will be given preference over other bidders to match with L1 bidder provided it has chosen Purchase Preference under PPP MSE Order 2012 in the tender & it is meeting Purchase Preference Criteria as per Public Procurement Policy for MSEs Order 2012. Bidder has to indicate his choice for Purchase Preference which will not be permitted to be changed once bid is opened.

Purchase Preference under PPP MSE Order 2012 shall prevail over Purchase preference under PPP MII Order 2017 and Purchase preference shall be accorded as per para 27(c)(a).

(f) **Price negotiation & contract placement:**

- (i) MDL has right to negotiate with L1 bidders on the quoted prices. However, it shall be ensured that Local Content percentage as declared by the vendor is maintained or increased but not reduced.
- (ii) After the contract is awarded and the supplies are completed, the supplier shall provide a "Local content certificate" (in the format provided at the time of PO placement) declaring the actual Local content percentage achieved while executing the contract. In case of failure to provide Local Content Certificate for the executed order within reasonable time, the issue be referred for debarment.



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Note: In cases of procurement for value in excess of Rs. 10 Crores, the supplier shall provide a Local Content certificate (in the format provided at the time of PO placement) from statutory auditor or cost auditor of the company (in case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of supplier other than companies) giving the percentage of local content.

- (iii) Supplier shall be intimated that the supporting documentation towards realization of committed Local Content as per the contract / order terms & conditions shall be maintained for a period of seven years from the date of completion of the contract for audit purpose. Nodal Ministry may constitute committees with internal & external experts for independent verification of self-declarations and auditor's / accountant's certificates on random basis and in the case of complaints.

Note: The Actual Local Content Certificate as above, shall be mandatorily submitted by the successful bidder post execution of PO.

(g) **Debarment of bidders / suppliers:**

- (i) False declaration will be in breach of Code of Integrity under Rule 175(1)(i)(h) of GFR 2017 for which a bidder or its successors can be debarred for up to 2 years as per Rule 151(iii) of GFR 2017 along with such other actions as may be permissible under law.

- (ii) A supplier who has been debarred by any procuring entity for violation of said Order shall not be eligible for preference under said Order for procurement by any other procuring entity for the duration of debarment. The debarment for such other procuring entities shall take effect prospectively from the date on which it comes to the notice of other procurement entities, in such a manner that ongoing procurements are not disrupted.

- (h) **Reciprocity Clause:** Entities of countries which have been identified by the nodal Ministry/ Department as not allowing Indian companies to participate in their Government procurement for any item related to that nodal Ministry shall not be allowed to participate in Government procurement in India for all items related to that nodal Ministry/ Department, except for the list of items published by the Ministry/ Department permitting their participation.

27. Purchase Preference to MSEs: MDL reserves its option to give purchase preference to MSEs compared to the non-MSE enterprises as per policies of the Government from time to time. This preference shall only apply to products produced and services rendered by Micro and Small Enterprises. If an MSE bidder quotes a price within the band of the lowest (L-1) +15 percent in a situation where the L-1 price is quoted by someone other than an MSE, the MSE bidders are eligible for being awarded up to 25 percent of the total quantity being procured if they agree to match the L-1 price. In case of more than one such eligible MSE, this 25 percent quantity shall be distributed proportionately among these bidders.

28. 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 be categorically rejected and no further communication in this regard will be entertained by MDL. The format of integrity Pact is enclosed with tender documents. IP shall be submitted on plain paper.

The 'Integrity pact' dully 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 be categorical rejected. Bidders shall send original IP immediately to MDL post submission of bid.

Independent External Monitors (IEM): The following Independent External Monitors (IEMs) will have the power to access the entire project document and examine any complaints received by him. In case of any change in IEMs it will be informed accordingly.



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For any administrative enquires and clarification on tender, bidders shall contact Commercial Dealing Executive. In case of issues related to Integrity Pact (IP) please contact Independent External Monitor (IEM) whose details are as below:

- i) Mr. P V Rao
Email id: pasupuletirao@yahoo.co.in

29. Freak Low Bid:

- (a) If the quoted L-1 rate is less than estimate by more than 40% w.r.t. estimate and if the quoted L-1 rate is less than L2 by more than 30% w.r.t. L2 then such quote is shall be treated as freak low quote.
- (b) In case of freak low quote, meeting may be held with L-1 bidder to ascertain whether the quoted prices are "workable". The proper justification shall be given by the bidder.

30. **Option Clause:** MDL the right to increase/decrease the ordered quantity by up to 50 % at any time, till final delivery date (or the extended delivery date of the contract), by giving reasonable notice even though the quantity ordered initially has been supplied in full before the last date of the delivery period (or the extended delivery period)

31. **Book Examination Clause:** In case it is found to the satisfaction of the BUYER that the seller has engaged an Agent or paid commission or influenced any person to obtain the contract as described in clauses relating to Agents/Agency commission and penalty for use of undue influence, the seller, on a specific request of the buyer shall provide necessary information/Break-up data/ inspection of the relevant financial documents/information.

32. **Progress Monitoring & Review Mechanism:** The required dates are indicated in tender. On placement of order a kick off meeting is to be held in MDL to chalk out the sequence and priority of the activities and the deliverables in line with the prevailing construction status of the ship. In this meeting, a progress monitoring team shall be constituted comprising vendor's representative engineer, MDL's executives (one each from Planning, Design and Ship Manager). This team shall carry out periodic reviews (initially quarterly followed by monthly reviews) to decide and chalk out the detailed sequence and priority of the completion of work and deliverables. The vendor would have to adhere to the recommendations and decisions of the said team while executing the work.

33. **Hindrance Register:** All hindrances with date of occurrences and removal shall be noted in the Hindrance Register. The Hindrance Register shall document reasons for the delay vis-à-vis the mutually agreed schedule. All hindrances such as delay in MDL Inputs (Drawings/Material/Documents/Services/ Inspection call), delay by TPI/Inspection Agency/Customer(Navy), delay on account of specialist services, non-performance by the contractor, delinquency by the vendor, force majeure or any other relevant reason shall be recorded. The Hindrance Register shall be signed by the reps. of both MDL as well as Contractor. Executive in the rank of Chief Manager and above shall be the nodal executive of the User Department.

34. **Public Grievance Cell:** A public grievance cell headed by Shri R. R. Kumar, ED (EY) has been set up in the company. Members of public having complaints or grievances are advised to contact above Authorities on Wednesday between 10.00 hours and 12.30 hours in his office at 3rd Floor, West Block, Mazagon Dock Shipbuilders Ltd or send their complaints / grievances to him in writing for redressal. Telephone No. is 23762106(MDL).

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

36. **Breach of Obligation:** In case of breach of any obligation mentioned under, the bidder shall be disqualified / debarred from the bidding process for a period of one year from the date of notification;



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- i) Bidder has withdrawn / modified / amended / impaired / derogated from the tender during the period of bid validity.
- ii) Bidder fails or refuses to execute the contract upon notification of acceptance of bid by MDL during the period of bid validity.

37. Land Border:

a) This clause is applicable from a country which shares a land border with India” for the purpose of this Order means: -

- i) An entity incorporated, established or registered in such a country; or
- ii) A subsidiary of an entity incorporated, established or registered in such a country; or
- iii) An entity substantially controlled through entities incorporated, established or registered in such a country; or
- iv) An entity whose beneficial owner is situated in such a country; or
- v) An Indian (or other) agent of such an entity; or
- vi) A natural person who is a citizen of such a country; or
- vii) A consortium or joint venture where any member of the consortium or joint venture falls under any of the above

b) Bidders from a country sharing land border with India shall Mandatorily requires registration with registration Committee by the Department for promotion of Industry and Internal Trade (DPIIT). Registration shall not be applicable for the bidders from those country to which the Government of India has extended Line of credit or in which the government of India is engaged in development project.

c) Bidder shall comply orders issued by ministry of Finance department of expenditure Vide OM 6/18/2019- PPD dated 23 July 2020 & 24 July 2020 and OM No F.7/10/2021/-PPD(1) dated 23.02.2023.

38. Discrepancies between Original and Additional/Scanned Copies of a Tender:

Discrepancies can be observed in responsive tenders between the original copy and other copies of the same tender set. In such a case, the text, and so on, of the original copy will prevail. Such a discrepancy in an offer should be conveyed to the tenderer asking him to respond by a target date and if the tenderer does not agree to MDL's observation, the tender is liable to be rejected.

39. Right to Reject any or all Bids:

MDL reserves its right to accept or reject any or all Bids, abandon/ cancel the Tender process, and issue another tender for the same or similar Goods/Services at any time before the award of the contract. It would have no liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the grounds for such action(s).

40. Cancellation of Procurement Process/ Rejection of All Bids/Re-tender:

If competition is lacking, then in such cases lack of competition shall not be determined solely on the basis of the number of Bidders. Even when only one Bid is submitted, the process may be considered valid provided following conditions are satisfied:

- a) The procurement was satisfactorily advertised and sufficient time was given for submission of bids.
- b) The qualification criteria were not unduly restrictive; and
- c) Prices are reasonable in comparison to market values

The decision to cancel the procurement and reasons for such a decision shall be communicated to all bidders that participated in the procurement process. During Re-tendering, all participated bidders of earlier tender shall be informed.

41. Conflict of Interest among Bidders/ Agents:

A bidder shall not have conflict of interest with other bidders. Such conflict of interest can lead to anti-competitive practices to the detriment of MDL's interests. The bidder found to have a conflict of interest shall be disqualified. A bidder may be considered to have a conflict of interest with one or more parties in this bidding process, if:

- (i) they have controlling partner (s) in common; or
- (ii) they receive or have received any direct or indirect subsidy/ financial stake from any of them; or
- (iii) they have the same legal representative/agent for purposes of this bid; or



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- (iv) they have relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another Bidder; or
 - (v) Bidder participates in more than one bid in this bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all bids in which the parties are involved. However, this does not limit the inclusion of the components/ sub-assembly/ Assemblies from one bidding manufacturer in more than one bid.
 - (vi) In cases of agents quoting in offshore procurements, on behalf of their principal manufacturers, one agent cannot represent two manufacturers or quote on their behalf in a particular tender enquiry. One manufacturer can also authorise only one agent/dealer. There can be only one bid from the following:
 - 1. The principal manufacturer directly or through one Indian agent on his behalf; and
 - 2. Indian agent on behalf of only one principal.
 - (vii) Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the contract that is the subject of the Bid;
 - (viii) In case of a holding company having more than one independently manufacturing units, or more than one unit having common business ownership/management, only one unit should quote. Similar restrictions would apply to closely related sister companies. Bidders must proactively declare such sister/ common business/ management units in same/ similar line of business
- Note:** The undertaking by the bidders for above para (Conflict of Interest among Bidders/ Agents) shall be submitted/uploaded along with Part I bid.

42. Corrigendum to Tender Document: Before the deadline for submitting bids, MDL may update, amend, modify, or supplement the information, assessment or assumptions contained in the Tender Document by issuing a corrigendum. The corrigendum shall be published in the same manner as the original Tender Document. Without any liability or obligation, the Portal may send intimation of such corrigendum to bidders who have downloaded the document under their login. However, the bidders' responsibility is to check the website(s) for any corrigendum. Any corrigendum thus issued shall be considered a part of the Tender Document. To give reasonable time to the prospective bidders to take such corrigendum into account in preparing their bids, MDL may suitably extend the deadline for the bid submission, as necessary. After MDL makes such modifications, any Bidder who has submitted his bid in response to the original invitation shall have the opportunity to either withdraw his bid or re-submit his bid superseding the original bid within the extended time of submission.

43. Contacting MDL during the evaluation: If a Bidder needs to contact MDL for any reason relating to this tender and/ or its bid, it should do so only in writing or electronically. Any effort by a Bidder to influence MDL during the processing of bids, evaluation, bid comparison or award decisions shall be construed as a violation of the Code of Integrity, and bid shall be liable to be rejected as nonresponsive in addition to other punitive actions for violation of Code of Integrity as per the Tender Document.

44. Cartel Formation/Pool Rates

It is possible that sometimes a group of bidders quote the same rate against a tender. Such pool/cartel formation is against the basic principle of competitive bidding and defeats the very purpose of an open and competitive tendering system. Such and similar tactics to avoid/control true competition in a tender leading to "Appreciable Adverse Effect on Competition" (AAEC) have been declared as an offence under the Competition Act, 2002, as amended by the Competition (Amendment) Act, 2007. Such practices should be severely discouraged with strong measures. In case of evidence of cartel formation, detailed cost analysis may be done by associating experts if necessary. Besides, suitable administrative actions can be resorted to, such as rejecting the offers, reporting the matter to trade associations, the Competition Commission or NSIC, etc., and requesting them, inter-alia, to take suitable strong actions against such firms. New firms may also be encouraged to get themselves registered for the subject goods to break the monopolistic attitude of the firms forming a cartel. Changes in the mode of procurement (GTE instead of OTE) and packaging/slicing of the tendered quantity and items may also be tried. A warning clause may also be included in the bid documents to discourage the bidders from indulging in such practices.



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Purchaser may also debar the tenderers indulging in cartel formation/collusive bidding/bid rigging for a period of two years from participation in the tenders of the Purchaser.

45. Registration on Government E-Marketplace (GeM) Portal:

Bidders shall mandatorily obtain the unique GeM Seller ID and submit the same to MDL prior to Price Bid opening. Requirement of unique GeM Seller ID is applicable only where the total amount of bid is more than Rs. 25 lakhs (inclusive of taxes etc.). Non-submission of Unique GeM Seller ID is under rejection criteria.

46. Additional Instructions:

- (a) Bidder shall abide to all tender terms & conditions including General Conditions of Contract (GCC).
- (b) The bidder shall also abide to all statutory requirements, Official Secret Act 1923, Security and Safety Rules as per references, which are part of this tender. If contractors' employees are not adhering to the health, safety and environment norms and the contractors not equipping their employees with suitable safety gears, will be viewed seriously. For non-adherence to above will be levied as per extant guidelines of Security and Safety Rules prevailing time to time, to the contractor without prejudice to other rights to enforce the safety requirements.
- (c) MDL shall not be bound by any printed conditions or provisions in the sellers bid forms or acknowledgement of contract, invoices, packing list and any other documents which purport to impose any conditions at variance with the tender terms / final negotiated & accepted terms.
- (d) In case of improper on-line filling or non-submission of Acceptance formats for Tender Enquiry Form (TEF), GCC, it shall be presumed that all our tender terms & conditions are acceptable to the bidder.
- (e) Wherever the clauses in tender document (Part A) are getting repeated in GCC, then in such cases bidders are requested to refer the clauses in the tender doc (Part A) and offer their comments/acceptance, accordingly.

47. E-Portal and E-Tender Guidance:

- a) **Submission of bids against e-Tenders:** The bidder is required to quote online on the *e-Procurement* website www.eprocuremdl.nic.in by the deadline, by submitting the Techno-commercial Bid & Price Bid in Electronic format only. The prices/quotes & a few declarations shall have to be entered/uploaded by the bidder online in the Tender's entry forms & other bid documents' scanned/soft copies shall have to be uploaded as part of the bid. All bids should be digitally signed using DSC (as explained below).
- b) To participate in e-Tender (s), every bidder must register themselves on the ASP's website (*registration is free of cost*) & must possess a legally valid Class-II/B or above Digital Signature Certificate (DSC) as per IT Act-2000, using which they can sign their electronic bids. The DSC can be procured from any Certifying Authority (CA) authorized by Controller of Certifying Authorities (CCA) of Govt. of India.
- c) National Informatics Centre (NIC) have been appointed by MDL as the Application Service Provider (ASP).
- d) Online User Manual is available on the website for the guidance of users & for participating in the e-Procurement/ e-Tendering, the bidder must ensure having the requisite (IT) infrastructure at their office premises.
- e) For any further details of e tendering & digital signatures, please contact 0120- 4200462, 0120-4001002, 8826246593, eproc-support@gov.in.
- f) Problems in hardware/software, internet connectivity, system configurations, Browser setting etc., for whatsoever reason shall not be considered for extension of tender closing date and time.
- g) MDL will not be responsible for an error in downloading of tender documents from web by the bidders. The version appearing on MDL website will be considered final and authentic.

48. Contact Details for Queries: All bidders are requested to get their queries, if any, clarified in advance (i.e. 7 days in advance to tender closing date) to avoid last minute delay. In case of any clarifications regarding tender, bidders are requested to contact the following executives.



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Department	Name of Executives	Contact No	Email
Technical	Mr. C.G.K. Rao DGM/PE(D-P17A)	022 2376 3035	gk rao@mazdock.com
	Mrs. Neha Singh, DM (Design-Elec & Weapon)	022 2376 3384	nssingh@mazdock.com
	Mr. Satish Chandra CM/PE(C-P17A)	022 2376 2747	schandra@mazdock.com
	Mr. Bhuvnesh Kalwar DM (C-P17A)	022 2376 2738	bkalwar@mazdock.com

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

Yours faithfully,

For MAZAGON DOCK SHIPBUILDERS LIMITED



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Section III - General Conditions of Contract (GCC) for Goods and Services

The word 'Purchaser' refers to MAZAGON DOCK SHIPBUILDERS LIMITED, (MDL), a Company registered under the Indian Companies Act, 1913 and it includes its successors or assignees.

The word 'Bidder' (including the term 'tenderer', 'consultant' 'vendor' or 'service provider' in certain contexts) means any legal entity such as firm(s) of Proprietorship / Partnership Firm / Limited Liability Partnership / Private Limited / Limited company / Society registered under Society's Act / Statutory Bodies/ Consortium/ Joint Venture etc. participating in a procurement process.

The word 'Owner' means the person or authority with whom Mazagon Dock Shipbuilders Limited (Purchaser) has contracted to carry out work in relation to which orders are placed by the Purchaser on the Bidder/Supplier/Contractor under this contract for supply or manufacture of certain items and would include Department of Defence Production, Ministry of Defence, Government of India, the Indian Navy, the Coast Guard and any other specified authority.

1. **Tenets of Interpretation** (Applicable for Goods and Services):

Unless where the context requires otherwise, throughout the contract:

- (i) The heading of these conditions shall not affect the interpretation or construction thereof.
- (ii) Writing or written includes matter either whole or in part, in digital communications, manuscript, typewritten, lithographed, cyclostyled, photographed, or printed under or over signature or seal or digitally acceptable authentication, as the case may be.
- (iii) Words in the singular include the plural and vice-versa.
- (iv) Words importing the masculine gender shall be taken to include other genders, and words importing persons shall include any company or association or body of individuals, whether incorporated or not.
- (v) Terms and expression not herein defined shall have the meanings assigned to them in the contract Act, 1872 (as amended) or the Sale of Goods Act, 1930 (as amended) or the General Clauses Act, 1897 (as amended) or of INCOTERMS, (current edition published by the International Chamber of Commerce, Paris) as the case may be.
- (vi) Any reference to 'Goods' shall be deemed to include the incidental Works/ Services also.
- (vii) Any generic reference to GCC shall also imply a reference to TEF as well.
- (viii) In case of conflict, provisions of TEF shall prevail over those in GCC.
- (ix) Any reference to 'Contract' shall be deemed to include all other documents (inter-alia GCC, TEF).
- (x) Any reference to any legal Act, Government Policies or orders shall be deemed to include all amendments to such instruments, from time to time, till date.
- (xi) Fall Clause shall be expressly applicable in the case of Rate Contract.

2. **Language of Contract** (Applicable for Goods and Services):

Unless otherwise stipulated in TEF, the contract shall be written in the Official Language or English. All correspondence and other contract documents, which the parties exchange, shall also be written/ translated accordingly in that language. For purposes of interpretation of the contract, the English documents/ translation shall prevail.

3. **Governing Laws and Jurisdiction** (Applicable for Goods and Services):

3.1 **Governing Laws and Jurisdiction:**

- (i) This Contract, its meaning and interpretation, and the relation between the Parties shall be governed by the Laws of India for the time being in force.
- (ii) Irrespective of the place of delivery, or the place of performance or the place of payments under the contract, the contract shall be deemed to have been made at the place from which the Purchase Order/Contract/Letter of Intent has been issued. The courts of such a place shall alone have jurisdiction to decide any dispute arising out or in respect of the contract.

3.2 **Changes in Laws and Regulations**

Unless otherwise stipulated in the contract, if after the last deadline for the bid submission (Techno-commercial), any law, regulation, ordinance, order or bye-law having the force of law is enacted,



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promulgated, abrogated, or changed in India (which shall be deemed to include any change in interpretation or application by the competent authorities) that subsequently affects the Delivery Date and/ or the contract Price, then such Delivery Date and/ or Contract Price shall be correspondingly increased or decreased, to the extent that the contractor has thereby been affected in the performance of any of its obligations under the contract. Notwithstanding the foregoing, such additional or reduced cost shall not be separately paid or credited if the same has already been accounted for in the price adjustment provisions where applicable.

4. **Confidentiality, Secrecy and IPR Rights** (Applicable for Goods and Services):

- (i) **IPR Rights:** All deliverables, outputs, plans, drawings, specifications, designs, reports, and other documents and software submitted by the contractor under this Contract shall become and remain the property of MDL and subject to laws of copyright and must not be shared with third parties or reproduced, whether in whole or part, without MDL's prior written consent. The contractor shall, not later than upon termination or expiration of this Contract, deliver all such documents and software to MDL, together with a detailed inventory thereof. The contractor may retain a copy of such documents and software but shall not use it for any commercial purpose.
- (ii) **Confidentiality:** All documents, drawings, samples, data, associated correspondence or other information furnished by or on behalf of MDL to the contractor, in connection with the contract, whether such information has been furnished before, during or following completion or termination of the contract, are confidential and shall remain the property of MDL and shall not, without the prior written consent of MDL neither be divulged by the contractor to any third party, nor be used by him for any purpose other than the design, procurement, or other services and work required for the performance of this Contract. If advised by MDL, all copies of all such information in original shall be returned on completion of the contractor's performance and obligations under this contract.
- (iii) **Secrecy:** If the Contract declares the subject matter of this Contract as coming under the Official Secrets Act, 1923 or if the contract is marked as "Secret", the contractor shall take all reasonable steps necessary to ensure that all persons employed in any connection with the contract, have acknowledged their responsibilities and penalties for violations under the Official Secrets Act and any regulations framed thereunder.
- (iv) **Obligations of the contractor:**
 - a) Without MDL's prior written consent, the contractor shall not use the information mentioned above except for the sole purpose of performing this contract.
 - b) The contractor shall treat and mark all information as confidential (or Secret – as the case may) and shall not, without the written consent of MDL, divulge to any person other than the person(s) employed by the contractor in the performance of the contract. Further, any such disclosure to any such employed person shall be made in confidence and only so far as necessary for such performance for this contract.
 - c) Notwithstanding the above, the contractor may furnish to its holding company or its Subcontractor(s) such documents, data, and other information it receives from MDL to the extent required for performing the contract. In this event, the contractor shall obtain from such holding company/ Subcontractor(s) an undertaking of confidentiality (or secrecy – as the case may be) similar to that imposed on the contractor under the above clauses.
 - d) The obligation of the contractor under sub-clauses above, however, shall not apply to information that:
 - (i) the contractor needs to share with the institution(s) participating in the financing of the contract;
 - (ii) now or hereafter is or enters the public domain through no fault of Contractor;
 - (iii) can be proven to have been possessed by the contractor at the time of disclosure and which was not previously obtained, directly or indirectly, from MDL; or



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- (iv) otherwise lawfully becomes available to the contractor from a third party that has no obligation of confidentiality.
- e) The above provisions shall not in any way modify any undertaking of confidentiality (or Secrecy – as the case may be) given by the contractor before the date of the contract in respect of the contract/ the Tender Document or any part thereof.
- f) The provisions of this clause shall survive completion or termination for whatever reason of the contract.

5. Permits, Approvals and Licenses (Applicable for Goods and Services):

Whenever the supply of Goods and incidental Works/ Services requires that the contractor obtain permits, approvals, and licenses from local public authorities, it shall be the contractor's sole responsibility to obtain these and keep these current and valid. Such requirements may include but not be restricted to export licence or environmental clearance if required. If requested by the contractor, MDL shall make its best effort to assist the contractor in complying with such requirements in a timely and expeditious manner, without any dilution of the Contractor's responsibility in this regard.

6. Transfer of Title of Goods (Applicable for Goods):

- (i) Unless otherwise stated in the contract, notwithstanding any inspection and approval by the Inspecting Officer on the contractor's premises, or any payments made to the contractor, property in the Goods (and resultant rights and liabilities) shall not pass on to MDL until the Goods have been received, inspected, and accepted by the consignee. The Goods and every constituent part thereof, whether in the possession or control of the contractor, his agents or servants or a carrier, or the joint possession of the contractor, his agents or servants and MDL, his agents, or servants, shall remain in every respect at the risk of the contractor, until their actual delivery to a person stipulated in the contract as the interim consignee for despatch to the consignee. The Contractor shall be responsible for all loss, destruction, damage, or deterioration of or to the Goods from any cause whatsoever while the Goods after approval by the Inspecting Officer are awaiting despatch or delivery or are in the course of transit from the contractor to the consignee or, as the case may be, interim consignee. The Contractor shall alone be entitled and responsible for making claims against any carrier in respect of non-delivery, short delivery, mis-delivery, loss, destruction, damage, or deterioration of the Goods entrusted to such carrier by the contractor for transmission to the consignee or the interim consignee as the case may be.
- (ii) Provided that where, under the terms of the contract, the Goods are required to be delivered to an interim consignee for despatch to the consignee, the Goods shall be at MDL's risk after their delivery to the interim consignee.

7. Extension of Delivery Period (Applicable for Goods):

- (i) If at any time during the currency of the contract, the contractor encounters conditions hindering timely delivery of the Goods and performance of incidental Works/ Services, he shall promptly inform MDL in writing about the same and its likely duration. He must make a request to MDL for an extension of the delivery schedule. On receiving the contractor's communication, MDL shall examine the situation and, at its discretion, may agree to extend the delivery schedule, with or without liquidated damages and with and without denial clause by issuing an amendment to the contract.
- (ii) **Conditions for Extension of Delivery Period:** When the period of delivery is extended due to unexcused delay by the contractor, the amendment extending the delivery period shall, inter alia, be subject to the following conditions:
 - a. **Liquidated Damages:** MDL shall recover from the contractor, under the provisions of this clause, liquidated damages on the Goods and incidental Works/ Services, which the contractor has failed to deliver within the delivery period stipulated in the contract.
 - b. **Denial Clause:**



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- (i) No increases in price on account of any statutory increase in or fresh Imposition of GST, customs duty or on account of any other taxes/ duty/ cess/ levy), leviable in respect of the Goods and incidental Works/ Services stipulated in the said contract which takes place after the original delivery date, shall be admissible on such of the said Goods, as are delivered after the said date; and
- (ii) Notwithstanding any stipulation in the contract for an increase in price on any other ground, including price variation clause or foreign exchange rate variation, or any other variation clause, no such increase after the original delivery date shall be admissible on such goods delivered after the said date.
- (iii) Nevertheless, MDL shall be entitled to the benefit of any decrease in price on account of reduction in or remission of GST, customs duty or on account of any other Tax or duty or any other ground as stipulated in the price variation clause or foreign exchange rate variation or any other variation clause which takes place after the expiry of the original delivery date.

(iii) **Liquidated damages**

If the contractor fails to deliver any or all of the Goods or fails to perform the incidental Works/ Services (e.g. installation, commissioning or operator training) within the time frame(s) incorporated in the contract, MDL shall, without prejudice to other rights and remedies available to MDL under the contract, deduct from the contract price, as agreed liquidated damages, but not as a penalty, a sum equivalent to the 0.5 % percent (excluding taxes) of the delivered price of the delayed Goods and/ or incidental Works/ Services for each week of delay or part thereof until actual delivery or performance, subject to a maximum deduction of the 5% of the delayed Goods' or incidental Works/ Services' contract price(s). Besides liquidated damages during such a delay, the denial clause shall also apply. Any failure or delay by any sub-contractor, though their employment may have been sanctioned shall not be admitted as a ground for any extension of time or for exempting the contractor from liability for any such loss or damage as aforesaid.

8. Defaults, Breaches & Termination of Contract (Applicable for Goods and Services):

- (i) Termination due to Breach, Default, and Insolvency
 - a. **Defaults and Breach of Contract:** In case the contractor undergoes insolvency or receivership; neglects or defaults, or expresses inability or disinclination to honour his obligations relating to the performance of the contract or ethical standards or any other obligation that substantively affects MDL's rights and benefits under the contract, it shall be treated as a breach of Contract. Such defaults could include inter-alia:
 - (i) **Default in Performance and Obligations:** If the contractor fails to deliver any or all of the Goods or fails to perform any other contractual obligations (including Code of Integrity or obligation to maintain eligibility and Qualifications based on which contract was awarded) within the period stipulated in the contract or within any extension thereof granted by MDL.
 - (ii) **Insolvency:** If the contractor being an individual or if a firm, any partner thereof, shall at any time, be adjudged insolvent or shall have a receiving order or order for the administration of his estate made against him or shall take any proceeding for composition under any Insolvency Act for the time being in force or make any conveyance or assignment of his effects or enter into any assignment or composition with his creditors or suspend payment or if the firm be dissolved under the Partnership Act, or
 - (iii) **Liquidation:** if the contractor is a company being wound up voluntarily or by order of a Court or a Receiver, Liquidator or Manager on behalf of the Debenture-holders is appointed, or circumstances shall have arisen which entitle the Court or Debenture-holders to appoint a Receiver, Liquidator or Manager.
 - b. **Notice for Default:** As soon as a breach of contract is noticed, a show-cause 'Notice of Default' shall be issued to the contractor, giving two weeks' notice, reserving the right to invoke contractual remedies. After such a show-cause notice, all payments to the



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contractor would be temporarily withheld to safeguard needed recoveries that may become due on invoking contractual remedies.

c. **Terminations for Default:**

- (i) **Notice for Termination for Default:** In the event of unsatisfactory resolution of 'Notice of Default' within two weeks of its issue as per sub-clause above, MDL if so decided, shall by written Notice of Termination for Default sent to the contractor, terminate the contract in whole or in part, without compensation to the contractor.
- (ii) Such termination shall not prejudice or affect the rights and remedies, including under sub-clause below, which have accrued and/ or shall accrue to MDL after that.
- (iii) Unless otherwise instructed by MDL, the contractor shall continue to perform the contract to the extent not terminated. All warranty obligations, if any, shall continue to survive despite the termination.

d. **Contractual Remedies for Breaches/Defaults or Termination for Default:** If there is an unsatisfactory resolution within this period, MDL shall take one; or more of the following contractual remedies.

- (i) Temporary withhold payments due to the contractor till recoveries due to invocation of other contractual remedies are complete.
- (ii) Call back any loaned property or advances of payment, if any, with the levy of interest at the prevailing rate (MIBID - Mumbai Interbank Bid Rate).
- (iii) Recover liquidated damages and invoke denial clause for delays.
- (iv) Encash and/ or Forfeit performance or other contractual securities.
- (v) Prefer claims against insurances, if any.
- (vi) Terminate contract for default, fully or partially including its right for Risk-and-Cost Procurement as per following sub-clause.
- (vii) **Risk and Cost Procurement:** In addition to termination for default, MDL shall be entitled, and it shall be lawful on his part, to procure Goods same to those terminated, with such terms and conditions and in such manner as it deems fit at the "Risk and Cost" of the contractor. Such 'Risk and Cost Procurement' must be contracted within one year from the breach of Contract. The Contractor shall be liable for any loss which MDL may sustain on that account provided the procurement, or, if there is an agreement to procure, such agreement is made. The Contractor shall not be entitled to any gain on such procurement, and the manner and method of such procurement shall be in the entire discretion of MDL. It shall not be necessary for MDL to notify the contractor of such procurement. It shall, however, be at the discretion of MDL to collect or not the security deposit from the firm/ firms on whom the contract is placed at the risk and cost of the defaulted firm.

Note: Regarding the Goods which are not readily available in the market and where procurement difficulties are experienced, the period for making risk procurement shall be nine months instead of six months provided above.

- (viii) Initiate proceedings in a court of law for the transgression of the law, tort, and loss, not addressable by the above means.

9. **Closure of Contract** (Applicable for Goods and Services):

The contract shall stand closed upon successful performance of all obligations by the firm, including completion of warranty obligations and final payment. If no claim is received within 03 years from last supplies/services, then no claim shall be entertained thereafter.

10. **General** (Applicable for Goods and Services)

Unless otherwise indicated specifically by the bidder / contractor in his bid, it shall be construed as his acceptance of all the conditions mentioned in this GCC.

11. **Communication and language for documentation** (Applicable for Goods and Services)



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Any letter, facsimile message, e-mail intimation or notice sent to the Bidder/Supplier/ Contractor at the last known address mentioned in the offer / order shall be deemed to be valid communication for the purpose of the order/contract. Unless stated otherwise by the purchaser, Language for communication and all documentation shall be same, which the Purchaser has used, in the tender enquiry.

12. **Preservation and maintenance:** (Applicable for Goods)

Should any material require any preservation till its final installation/fitment, the detailed procedure (Long term and short term) for the same as also the time of interval after which the state of preservation needs to be reviewed is to be stated by the Bidder/Supplier/Contractor.

Further the de-preservation prior to the material/equipment being commissioned and the maintenance procedure together with its periodicity is also to be indicated by the Bidder / Supplier / Contractor.

13. **Freight and insurance.** (Applicable for Goods)

For Indigenous Bidders. Bidder shall quote for 'Door Delivery to Purchaser,' all charges towards door delivery viz. transport, Insurance charges etc. shall be borne by the Bidder / Supplier / Contractor.

For Foreign Bidders: For overseas bidders, bidder shall agree for supplying the goods on CIF/CIP, Incoterm basis. The Bidder / Supplier / Contractor shall immediately on despatch of the items, inform all relevant details of despatch such as Order Number, Bill of Lading/AWB Number marked as Freight Paid, Insurance policy/document, number of packages, value of consignment, invoice number etc. as per contractual terms.

14. **Demurrage (Applicable for Goods):** Storage, and Demurrage, fines etc. charges will be payable by the Bidder / Supplier / Contractor for all shipments in case of improper documentation, wrong declarations, error in weight measurements, packing list, invoice, late receipt of documents etc. i.e. for reasons which are not attributable to the purchaser.

15. **Cancellation of tender** (Applicable for Goods and Services)

The Purchaser reserves the right to cancel/withdraw the tender in toto or part and or award the contract / order in full or part without assigning any reason whatsoever and without thereby incurring any liability to the affected Bidder or Bidders or any obligations to inform the affected Bidder or Bidders of the grounds for MDL action.

16. **Facility provision** (Applicable only for Services)

The Purchaser would consider providing facilities like - compressed air at one point, crange facility for handling heavy loads for lowering onto the ship and water intended for use by the Contractor / Bidder for execution of contract for working within the Purchaser's premises at no extra cost to the Contractor / Bidder. Industrial gases, electrical power, office space / RU store facility may be provided at one point only if possible and available and on chargeable basis if so desired by the Contractor / Bidder. The contractor / Bidder shall make his own arrangements for fixing necessary fittings, wires, welding machines, transformer, etc. for power, connecting lines, storage etc for water and necessary fittings, pipes, breaker, hoses etc. for compressed air.

17. **Purchaser's property.** (Applicable for Goods and Services)

All property (such as materials, drawings, documents etc.) issued by the Purchaser or any other individual or firm on behalf of the Purchaser in connection with the contract shall remain confidential, being the property of the Purchaser and the Bidder/Supplier/Contractor shall undertake to return all such property so issued and will be responsible for any or all loss thereof and damage thereto resulting from whatever causes and shall reimburse the Purchaser the full amount of loss and damage.



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On completion of work in any compartment / location of the purchaser's premises, the Bidder/Supplier/Contractor must ensure that the place is left in a reasonably clean state and all scrap is transferred to nearby scrap-bins.

18. **Risk purchase** (Applicable for Goods and Services)

If the equipment / article / service or any portion thereof be not delivered / performed by the scheduled delivery date / period, any stoppage or discontinuation of ordered supply / awarded contract without written consent by Purchaser or not meeting the required quality standards the Purchaser shall be at liberty, without prejudice to the right of the Purchaser to recover Liquidated Damages / penalty as provided for in these conditions or to any other remedy for breach of contract, to terminate the contract either wholly or to the extent of such default. Amounts advanced or part thereof corresponding to the undelivered supply shall be recoverable from the Contractor / Bidder at the prevailing bank rate (Benchmark Prime Lending Rate (BPLR) by SBI) of interest.

The Purchaser shall also be at liberty to purchase, manufacture or supply from stock as it deems fit, other articles of the same to make good such default and/or in the event of the contract being terminated, the balance of the articles of the remaining to be delivered there under. Any excess over the purchase price, cost of manufacture or value of any articles supplied from the stock, as the case may be, over the contract price shall be recoverable from the Bidder / Supplier / Contractor.

19. **Recovery-adjustment provisions:** (Applicable for Goods and Services)

Payment made under one order shall not be assigned or adjusted to any other order except to the extent agreed upon in writing by the Purchaser. During the currency of the contract, if any sum of money is payable by the Bidder / Supplier / Contractor the same shall be deducted from any sum then due or thereafter may become due to the Bidder / Supplier / Contractor under the contract or any other contract with the Purchaser.

20. **Indemnification** (Applicable for Goods and Services):

The Bidder / Supplier / Contractor, his employees, licences, agents or Sub-Supplier / Sub-contractor, while on site of the Purchaser for the purpose of this contract, indemnifies the Purchaser against direct damage and/or injury to the property and/or the person of the Purchaser or that of Purchaser's employees, agents, Sub-Contractors / Suppliers occurring and to the extent caused by the negligence of the Bidder / Supplier / Contractor, his employees, licensees, agents or Sub-contractor by making good such damages to the property, or compensating personal injury and the total liability for such damages or injury shall be as mutually discussed and agreed to.

21. **Transfer of suppliers / contractor's rights:** (Applicable for Goods and Services)

The Bidder / Supplier / Contractor shall not either wholly or partly sell, transfer, assign or otherwise dispose of the rights, liabilities and obligations under the contract between him and the Purchaser without prior consent of the Purchaser in writing.

22. **Subcontract and right of purchaser** (Applicable for Goods and Services)

The Bidder / Supplier / Contractor under no circumstances undertake or subcontract any work / contract from or to any other Sub-contractor without prior written approval of the Competent Authority of Purchaser. In the event it is found that such practice has been indulged in, the contract is liable to be terminated without notice and the Bidder / Supplier / Contractor is debarred all from future tender enquiries / work orders. However, in no circumstances a contractor is permitted to subcontract any part of the contract to the bidders who had quoted for the concerned tender.

23. **Patent rights** (Applicable for Goods and Services)

The Bidder / Supplier / Contractor shall hold harmless and keep the Purchaser indemnified against all claims arising as a result of infringement of any patent / copy rights on account of manufacture, sale or use of articles covered by the order.

24. **Agents/Agency Commission** :(Applicable for Goods and Services)



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The seller confirms and declares to the buyer that the seller is the original manufacturer or authorized distributor/stockiest of original manufacturer of the goods referred to in this contract and has not engaged any individual or firm, whether Indian or foreign whatsoever, to intercede, facilitate or in any way to recommended to the Buyer or any of its functionaries, whether officially or unofficially, to the award of the Contract / Purchase order to the Seller; nor has any amount been paid, promised or intended to be paid to any such individual or firm in respect of any such intercession, facilitation or recommendation.

The Seller agrees that if it is established at any time to the satisfaction of the Buyer that the present declaration is in any way incorrect or if at a later stage it is discovered by the Buyer that the Seller has engaged any such individual/firm, and paid or intended to pay any amount, gift, reward, fees, commission or consideration to such person, party, firm or institution, whether before or after the signing of this Contract / Purchase order, the Seller will be liable to refund that amount to the Buyer. The seller will also be debarred from participation in any RFQ/Tender for new projects/program with Buyer for a minimum period of five years.

The buyer will also have a right to consider cancellation of the Contract either wholly or in part, without any entitlement or compensation to the Seller who shall in such event be liable to refund all payments made by the buyer in terms of the Contract along with interest at the rate of 2% per annum or 6% whichever is higher above LIBOR (London Inter Bank Offer Rate) (for foreign vendors) and base rate of SBI plus 2% (for Indian Vendors).

The Buyer will also have the right to recover any such amount from any contracts concluded earlier with Buyer.

25. **Use of undue influence / corrupt practices** :(Applicable for Goods and Services) The Bidder / Supplier / Contractor undertakes that he has not used corrupt practices or used any undue influence which is not admissible as per Indian law to obtain contract/order or in doing any business with the purchaser.

If found that Bidder / Supplier / Contractor is involved in such wrong practices, then Purchaser is entitled to cancel the contract/s and all or any other contracts and then to recover from the Bidder / Supplier / Contractor the amounts of any loss arising from such contracts' cancellation, including but not limited to imposition of penal damages, forfeiture of Performance security, encashment of the Bank Guarantee and refund of the amounts paid by the Purchaser.

26. **Immunity of Government of India clause**: (Applicable for Goods and Services)

It is expressly understood and agreed by and between M/s. (Bidder / Supplier / Contractor) and Mazagon Dock Shipbuilders Limited, Dockyard Road, Mumbai - 400 010 (MDL) is entering into this Agreement solely on its own behalf and not on the behalf of any person or entity. In particular, it is expressly understood and agreed that the Government of India is not a party to this Agreement and has no liabilities, obligations or rights hereunder. It is expressly understood and agreed that MDL is an independent legal entity with power and authority to enter into contracts solely in its own behalf under the applicable of Laws of India and general principles of Contract Law. The (Bidder / Supplier / Contractor) expressly agrees, acknowledges and understands that MDL is not an agent, representative or delegate of the Government of India. It is further understood and agreed that the Government of India is not and shall not be liable for any acts, omissions and commissions, breaches or other wrongs arising out of the contract. Accordingly, (Bidder / Supplier / Contractor) hereby expressly waives, releases and foregoes any and all actions or claims, including cross claims, impleader claims or counter claims against the Government of India arising out of this contract and covenants not to sue Government of India in any manner, claim, cause of action or thing whatsoever arising of or under this Agreement.

27. **Export licence** (Applicable for Goods and Services): The export licenses that may be required for delivery of the various items/equipment to MDL shall be arranged by the Bidder / Supplier / Contractor from the concerned authorities in their country without any time and cost implications on the Purchaser.



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28. **Banned or de-listed contractors / suppliers.** (Applicable for Goods and Services)
The Bidder / Supplier / Contractor declares that they being Proprietors / Directors / Partners have not been any time individually or collectively blacklisted or banned or de-listed by any Government or quasi Government agencies or PSUs. If a bidder's entities as stated above have been blacklisted or banned or de-listed by any Government or quasi Government agencies or PSUs, this fact must be clearly stated and it may not necessarily be a cause for disqualifying him.
29. **Duty of personnel of supplier/contractor** (Applicable for Goods and Services)
MDL being a Defence Public Sector Undertaking, Bidder / Supplier / Contractor undertakes that their personnel deployed in connection with the entrusted work will not indulge in any activities other than the duties assigned to them.
30. **Dispute resolution mechanism and arbitration** (Applicable for Goods and Services)
(a) Dispute resolution mechanism(DRM)
i) Any dispute/differences between the parties arising out of and in connection with the contract shall be settled amicably by mutual negotiations at HoS/HoD level.
ii) In case of non-settlement by (i) above, if at any time, before, during or after the contract period any unsettled claim, dispute or difference arose between the parties, upon or in relation to or in connection with or in any way touching or concerning this tender/agreement/order/contract, the same shall be referred to the concerned Functional Director.
The Functional Director shall then nominate an Executive of the rank of General Manager whom he thinks fit and competent or a Committee of Executives who/which shall then scrutinise the claims/disputes that have been referred to the concerned functional Director and make efforts for amicable settlements by mutual discussions/negotiations.
iii) In case no amicable settlement is arrived by (ii) above within a period of three months, then the contractor shall approach Public Grievance Cell and address the disputes as per the provisions made under the relevant clause of the contract.
iv) In case the issues/disputes do not get settled within a period of six months from the date of submission of the dispute to the Grievance Cell, then the contractor may invoke Arbitration Clause of the contract.
(b) Arbitration (Applicable for Goods and Services)
Unresolved disputes/differences, if any, shall then be settled by arbitration. The Arbitration proceedings shall be conducted at Mumbai, India, in English Language, under the Arbitration and Conciliation Act, 1996.
MDL prefers to have arbitration through Institutes such as Indian Council of Arbitration (ICA)/ICA-DR, with the mutual consent of the parties.
In case of unresolved difference/dispute between the Purchaser and Supplier, being Central Public Sector Enterprises/Central Govt. departments, the disputes shall be resolved firstly through mutual discussion or through the empowered agencies of the Govt. or through arbitration by reference by either party to the department of Public Enterprises, as per extant guidelines. If disputes/differences remain unresolved/unexecuted, the same shall be referred first to the Cabinet Secretariat and then, if necessary to the PMO.
Any changes to arbitration clause must be vetted by HOD (Legal) before incorporation in contract/PO.
31. **Jurisdiction of courts** (Applicable for Goods and Services)
All contracts shall be deemed to have been wholly made in Mumbai and all claims there under are payable in Mumbai City and it is the distinct condition of the order that no suit or action for the purpose of enforcing any claim in respect of the order shall be instituted in any Court other than that situated in Mumbai City, Maharashtra State, India i.e. courts in Mumbai shall alone have jurisdiction to decide upon any dispute arising out of or in respect of the contract.
32. **Contract labour (regulation and abolition) act 1970**(Applicable for Services)



Tender Enquiry

Enclosure to Tender Enquiry: Part 'A': Tender Terms and Conditions
Tender No. 1700000510
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Contractor / Bidder shall obtain licence under Section 12 and 13 of the Contract Labour (Regulation and Abolition) Act, 1970 and rules made there under and the same should be kept valid at least until the expiry of contract with Purchaser. The registration and Licence under the Contract Labour (Regulation and Abolition) Act 1970 shall be renewed in time every year and if work continues for more than a year, a copy of the Licence is produced as and when demanded by the concerned authorities of Purchaser.

The Contractor / Bidder shall carryout his obligations and duties under the Contract Labour (Regulation and Abolition) Act, 1970 and the rules framed there under.

In the event any employee/s of Contractor / Bidder is advised by the concerned Department to deploy their employees for job during weekly-off, Sundays and holidays, the Contractor / Bidder must inform through Concerned Department the name/s of the employee/s in the prescribed format to CISF / Security and to the concerned Divisional Personnel by mentioning specifically 'Compensatory - Off', before 3 days from the date actual payment.

33. **Minimum wages act** (Applicable for Services)

The Contractor / Bidder shall pay to his employees not less than the minimum wages and allowances applicable to the Engineering Industry as notified from time to time by the Central Government or the State Government whichever is higher under the Minimum Wages Act. Contractor / Bidder shall be responsible for timely payment of wages of all his employees engaged in the Purchaser's Yard, not less than the prescribed minimum wages in each case and without any deductions of any kind, except as specified by Government or permissible under the Payment of Wages Act.

The Contractor / Bidder must settle all the pending dues of the employees i.e. arrears of wages, proportionate leave wages, proportionate bonus payment, etc.

Before winding up the site, the Contractor / Bidder shall pay all terminal dues to his employees such as Notice pay, Gratuity, Retrenchment compensation, etc.

34. **Bonus Act** (Applicable for Services)

The Contractor / Bidder shall pay to his eligible employees a Statutory Bonus as per 'Payment of Bonus Act' at the rate prescribed by the Statutory Authorities from time to time.

35. **Factories Act** (Applicable for Services)

The Contractor / Bidder shall observe all applicable Rules and Regulations stipulated under Factories Act applicable to contract labour.

The Contractor / Bidder shall maintain a separate register prescribed under the Act and pay Privilege Leave wages to all eligible employees.

On completion of execution of the contract and before winding up, the Contractor / Bidder shall pay proportionate Privilege Leave wages to all eligible employees.

36. **Employees' Provident Funds and Miscellaneous Provisions Act, 1952** (Applicable for Services)

The Contractor / Bidder, where applicable, shall cover his employees deployed in the Purchaser's Yard

i. under the Employees' Provident Funds and Miscellaneous Act, 1952,

ii. under the Family Pension Scheme, and

iii. under the Employees' Deposit Linked Insurance Scheme and pay the contributions both

in respect of his employees and his own. He shall submit all the necessary returns and other particulars periodically as prescribed under the said Act. Contractor / Bidder shall cover from the first day working all his contract labour on MDL jobs by filling requisite returns to concerned Statutory authorities and obtaining Code Numbers / Account Numbers. Contractor / Bidder shall remit employees' and employers' contributions directly to the concerned authorities along with Inspection and Administrative Charges as per relevant provisions of the concerned Acts and Schemes made there under within 15 days from the close of every month. The Contractor / Bidder must submit copies of P. F. dues payment challans, copy of Form No. 12 (A), copy of form No. 6 (A) (Annually) and copies of Muster Roll of their workmen every month to Corporate Personnel Department before



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renewal of passes for entry into the yard. The Contractor / Bidder must also attend to P. F. Inspections by concerned authorities and submit copy of the Inspection Report.

The Contractor / Bidder through his own P. F. code number shall fill in P. F. / Pension settlement forms of all the employees engaged in Purchaser's Yard, well in advance of last working day and forwards the said settlement forms to the respective P. F. Commissioner's office for settlement. Contractors who are yet to obtain PF code shall apply for Code no s to PF Commissioners Office and furnish copies of the same to Corporate Personnel Department. Purchaser shall recover PF dues from the contractors running bills till such time the PF Code no is obtained.

The Contractor / Bidder may contact Corporate Personnel Department for the purpose to seek any / all clarification / necessary advice for completion of procedural work such as filling labour challans, E. S. I., P. F. - declaration forms, covering their labour under Group Insurance Policy, etc. An Administrative charge @ Rs. 10/- per employee per month for such consultancy will be recovered from all the contractors from the bills of the respective contracts

37. **Employees' State Insurance Act** (Applicable for Services)

The Contractor / Bidder should also cover all the eligible contract labourers working on MDL jobs, under the Employees' State Insurance Act and Scheme by furnishing necessary returns to appropriate authority and pay both employees' and employers' contributions in respect of these employees to the concerned authorities within 20 days from the close of every month. The contractor shall produce copy of R. D. F. duly acknowledged by ESI local office for confirmation that the workmen are covered under ESI Act and Scheme.

Contractor / Bidder should produce proof of such remittances to Corporate Personnel Department of MDL along with full details of contributions etc. within 25 days from the close of month. He shall also give an undertaking that he will not engage any one on our work who is not duly covered under the said Act and Scheme. The contract employees who are out of coverage of ESI Act and Scheme should be covered under Group Insurance Policy linked with workman compensation Act. Those Bidders / contractors do not have their ESI Code No.; they should submit documentary evidence of application for obtaining ESI Code no to Corporate Personnel Department.

38. **Safety:**(Applicable for Goods & Services)

The Contractor / Bidder must observe all safety precautions in connection with the work to be performed by him, his agents or labourers. In the event of any accident happening in our yard resulting in loss of lives or otherwise damaging any part of the property, the contractor shall be required to make good the loss to the Company and shall be responsible for all consequences that follow from the loss and / or injuries to the persons involved in such accidents. The standard of safety to be observed in the Company shall be decided by the Executive-in-Charge Safety, or any Executive appointed for the purpose before the commencement of work in the yard. It will be essential for contractor to ascertain the standard precautions which contractor is required to observe in discharging his work as per the standards prevalent in MDL. The decision of MDL in matters concerning Safety shall be final and binding on the contractor.

The Contractor / Bidder shall be required to provide his workmen with Boiler Suits of any suitable colour other than blue or white, with the Name of the Contractor in prominent letters on the boiler suits along with personal protection gears like safety shoes, hand gloves etc. workmen of the Contractor / Bidder must wear throughout their working while in the premises of MDL. Contractor's workmen working without safety gears are to be disallowed for work.

39. **Police verification of employees** (Applicable for Services)

Contractor / Bidder shall have to produce and submit to the Chief Security Executive of Purchaser, verification through Mumbai Police of Character and Antecedents of their employees / workers for while working on ships under construction in Purchaser's Yards, for working onboard ships under modernisation / refit / repairs at Mumbai ports / Naval Dockyard. Entry passes will not be issued in the absence of Police Verification Report and employees without Police Verification shall not be employed by them in Purchaser's Yard / Mumbai ports / Naval Dockyard and any lapse on the part of Contractor / Bidder shall be viewed seriously as per applicable laws of the land. Employment of



MAZAGON DOCK SHIPBUILDERS LIMITED
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Dockyard Road, Mumbai – 400 010

SHIPBUILDING DESIGN ELECTRICAL & WEAPON

TECHNICAL SPECIFICATION OF UPPER AIR SOUNDING SYSTEM FOR P17A PROJECT.

PROJECT : P-17 A
YARD NOS. : MDL YARDS :-12651 , 12652 , 12653 , 12654
GRSE YARDS: - 3022, 3023, 3024.
CLIENT : INDIAN NAVY
TSP NO : 5083
DATE : 05/07/2023
IHQ APPROVAL : Approved vide IHQ letter CD/17A 658 dt 07 Oct' 22.
FILE REF NO: : DR/17A/5083

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1. GENERAL REQUIREMENTS

1.1 Application:-

1.1.1 Mazagon Dock Shipbuilders Ltd., Mumbai is premier shipyard of India. The items and services projected in this specification are of use on Indian Naval Ships (PROJECT – P17A). Indian Navy has awarded contract of Project P17A between MDL & GRSE. Project P17A comprises of seven Frigates, four ships to be built by MDL and three ships to be built at Garden Reach Shipbuilder's Engineers Ltd (GRSE), Kolkata. MDL Yard Nos. shall be Yard-12651, 12652, 12653 and 12654. GRSE Yard Nos. shall be Yard-3022, 3023 and 3024. MDL will provide lead yard services to GRSE for this project. MDL will process the tender for all seven ships up to PNC stage. The purchase orders will be placed by MDL and GRSE for their respective yards. The offer should be considering delivery and services at respective shipyards Mumbai and Kolkata for the respective ships.

1.1.2 All the items offered must be suitable for application in Naval Ships.

1.2 Security of Information:-

1.2.1 The information contained in this TSP 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 prior permission of Indian Navy.

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 and clarifications obtained, before submission of offer, 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 Para 2 (Scope of Supply).

1.3.4 Any clarification required regarding Technical Specification / Requirement should be sought prior to submission of the offer.

1.4 Deviations:-

1.4.1 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 IHQ of MoD (N) / MDL consideration. Refer APPENDIX - 1 for the 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.

1.4.2 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.



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1.4.3 No deviations shall be granted after the placement of order.

1.5 Certificate of Conformity:-

1.5.1 The offer should be complete with CERTIFICATE OF CONFORMITY as per format detailed at APPENDIX – 2.

Important Note: The offer received without the “Certificate of Conformity”, duly filled in and signed, may not be considered.

1.6 Order of Precedence:-

1.6.1 Unless otherwise noted herein or in the contract, in the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

1.7 Pre-Qualification Criteria:-

- 1.7.1 The firm should have past experience of installation of the equipment onboard ships. Further, the firm should have supplied a minimum of 100 systems across the globe with a manufacturing capability of around 15000 radiosondes per annum.
- 1.7.2 The firm should have participated in the WMO inter comparison of their radiosondes (This would help IN to assess the performance and reliability of the system)
- 1.7.3 The equipment so provided should be of plug and play type and any accessories that are needed to operationalize the equipment should be provided by the firm irrespective of whether it was reflected in the TSP or not. However, hydrogen gas and balloons do not fall under this category.



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2. DESCRIPTION OF EQUIPMENT

2.1 **Brief Description:-**

2.1.1 Upper Air Sounding System (UASS) is equipment used for obtaining vertical profile of various meteorological parameters over a place/ station. UASS has a ground receiver, computing system and antennas. Radiosonde is the sensing cum transmitting unit which is released in the atmosphere attached with Met balloon filled with Hydrogen gas. The Met balloon ascends along with Radiosonde which measures the meteorological parameters during ascents. Recorded Met data is simultaneously transmitted to the ground based receiver where it is processed and analysed in desired format.

2.1.2 The equipment consists of following two parts:-

- a) Ground receiving / processing station, antennas, balloon filling units and accessories.
- b) Consumable items/units consisting of :-
 - i. Met sensors & Transmitter (Radiosonde)
 - ii. Met balloons and Hydrogen gas.

2.2 **Meteorological Parameters:-** The meteorological parameters recorded with respect to height and times are as follows:-

- a) Temperature.
- b) Humidity.
- c) Atmospheric Pressure.
- d) Wind speed & Wind Direction.
- e) Derived Parameters - / modified refractive index with respect to height, T-Phi gram with various indices, ballistic wind, ballistic temperature and ballistic density etc.

2.3 **Qualitative Requirements (QRs)**

2.3.1 The Upper Air Sounding System should:

- a. Be lightweight, compact and self-contained unit that is ergonomically designed with a well-balanced centre of gravity. It should be designed to optimize work comfort in stooped or prone positions.
- b. Automatically receive and process the Radiosonde data.
- c. Print significant levels of PTU, Wind Speed/ Direction, Standard Isobaric Levels, Geopotential Height, Balloon Ascent Rate, Refractive Indices, Modified Refractive Indices, etc. along with time elapsed in tabular form.
- d. Output the observed data to an external device (e.g. PC or printer)
- e. Code Meteorological messages in the WMO FM 35-V and FM 36 V formats or as applicable at the time of supply.
- f. Output the data in ANSCII or binary format via RS 232-C line for a PC in real time after the sounding.
- g. Monitor and report on the system performance during soundings.



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- h. Perform self-diagnostics and automatic system tests before each ascent.
- i. Calculate Refractive Index and Modified Refractive Index (MRI) values.
- j. Independently operate/ receive data from its own Radiosonde and not interfere with other UASS systems operating in the vicinity.

2.3.2 The Upper Air Sounding System should have following additional facilities

- a. Zooming, enhancement, comparison, etc of various parameters in different combinations
- b. Facility for installation of additional software on user's option/requirement
- c. Provision for integration of processed UASS data with ships network.

3. OPERATIONAL/TECHNICAL PARAMETERS

3.1 **Operational Parameters :-** The operational parameters are functional requirements with clearly define basic profile of the equipment / system, specifying minimum acceptable performance requirements thereby defining 'Core Capabilities' of the equipment system. The various essential operational parameters required by Upper Air Sounding System Components are as follows:-

Sr. No	Components of UASS	Operational Parameters
(a)	Ground Receiving station	(i) Should receive Upper Air Met Parameters data transmitted by corresponding paired Radiosonde. (ii) The received data should be processed by computing unit. The output analyzed data must be displayable in a portable ruggedized computing cum display unit, which can be used for both transferring the Upper Air Met Data and also display the output data to the required end user at various required formats /graphs. (iii) The Systems adequate protection from lightning strikes.
(b)	Balloon Filling Unit	A System of gears to aid in safe filling of Met Balloons with required quantity of Hydrogen and subsequent attachment of the Radiosonde with the Met Balloon



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3.2 Technical Parameters :- These are the technical characteristics required in the system to achieve the operational capabilities based on the operational parameters at Para 3.1. The Following are the overall 'Technical Parameters which are drawn out after due analysis of contemporary and developing technology in the field.

Sr. No.	Components of UASS	Technical Parameters
(a)	Ground Station	Receiver Until Containing (i) Power Supply 110v AC-220V AC. (ii) Tunable 400 MHz receiver with diversity input (2 separate antennas inputs). (iii) Local GPS module for position detection and differential correction. (iv) Feeding Signal for indoor GPS repeater. (v) Universal Serial Bus (USB)for connection to notebook (vi) 2x400 MHz antenna input with diversity. (vii) 1XGPS antenna input. (viii) GPS indoor repeater output.
(b)	Ruggedized Laptop	(i) Intel dual core CPU or equivalent , 80 GB HDD,512 MB RAM (ii) Screen :13.3'TFT (iii) Operating System : MS Windows(latest version) (iv) Ruggedness Specification as per MIL-STD 810G, MIL-STD-461F, Ingress Protection (IP65) and ISO Certification 9001 and 140001
(c)	System Software	(i) Operating System : MS Windows (appropriate latest version) (ii) It should start preparation of Radiosonde handshake with system software. (iii) It should indicate Frequency setting of transmitter and receiver. (iv) It should have Real time display of meteorological parameters. (v) It should have Graphical display of meteorological data. (vi) It should have Automatic generation of meteorological messages in the format viz. TEMP, PILOT, STANAG, CLIMAT, etc. (vii) The display of data should be user settable such as graphic/numeric/ combination etc for display of meteorological data.



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		(viii) Facility to view trajectory of the Balloon on the tough-Book display.
(d)	Accessories	(i) Radiosonde initialization cable (ii) USB cable (iii) Power supply cable (iv) Any other component as required for the system.
(e)	Antenna Set	(i) Complete antenna Set consisting of: (ii) Omni directional 400 MHz antenna (complete coverage except overhead) (iii) Helical 400 MHz antenna (overhead coverage) (iv) Local DGPS antenna (differential GPS reference) (v) All antennae with 100M cable. (vi) Any other antennae system as compatible for the system to meet QRs.
(f)	Lightening and Radar Protection Kit	Consisting of:- (i) 2x antenna amplifier (400MHz antenna) (ii) 3x lightning protection (2x 400MHz, 1x GPS signal) (iii) 3x radar filter (2x 400MHz, 1x GPS signal). (iv) Mounting box for antenna mast.
(g)	Colour Laser Printer A4	Latest available model
(h)	Balloon Filling Unit	Consisting of:- (i) Mechanical balloon filling unit with automatic cut off valve with a gauge and with manual cut-off along with balloon launcher. (ii) Appropriate weights, tools, accessories etc. (iii) Aluminium coffer for transportation.
(i)	Radiosonde Digital	With Pressure, Temperature and Humidity Sensor (i) Sampling rate: 1Hz (ii) Transmission range: 300 km (iii) Programme frequency (400-460 MHz). (iv) Including C/A-code based GPS receiving module. (v) Including dry lithium battery (no preparation necessary).



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		(vi) Including de-reeler/unwinder. (vii) Unwinder of length 150 ft with each Radiosonde. (viii) Incorporates the software for Ambient Air temperature. (ix) Individually packed in sealed vaccumized bag.
(j)	UPS	(i) Latest available model with 2 Hours power backup.
(k)	Balloons	(i) 350 Gm.
(l)	Documentation-Set	(i) 2x operator manual(hardcopy) (ii) 2x maintenance/trouble shooting manual (hardcopy) (iii) 2x CD-ROM with all manuals and technical drawings etc.
(m)	Installation and Training in India	(i) Installation of the system in India (2 engineers) (ii) 4 working days training covering: (a) Normal system operation (b) Advanced features (c) Maintenance (d) For clarifications/ Standby (iii) Including costs for travelling and accommodation (iv) Including teaching material for 10 persons

4. Maintainability & Ergonomic Parameters: These parameters will primarily relate to aspects like maintenance, crew, comfort, storage of equipment packing material etc. Following are the key Maintainability & Ergonomic Parameters:-

(a) **Physical Parameters:** -Following are the physical parameters of the components.

Sr. No.	Item	Weight (less than or equal to)	Size/Dimensions
(i)	Ground Receiving Station	10 kg/portable	Less than or equal to 75x50x25 cm (rack mountable) and also portable
(ii)	Ruggedized Laptop	03 kg/ portable	Compact size portable
(iii)	Balloon Filling Unit	10 kg/ portable	Less than or equal to 5 x 5 x 5 ft (easily portable)



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(iv)	Radiosonde	200gm	Size/Dimension – Less than or equal to 15X15X10cm (usage with 200 gm., 250 gm., 300 gm. and 350 gm. balloons). Data collection height to be as follows (though dependent on the type and weight of balloon used and prevailing atmospheric conditions) (a) A minimum height of 30,000 ft. above MSL is required for Air Operation. (b) A minimum height of 65,000 ft above MSL is required for ballistic/missile operation.
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(b) The Upper Air Sounding System should have following additional facilities/physical properties:-

- (i) Compatibility with any Windows based PC (latest version).
- (ii) Facility for data storage and archival on hard disk of capacity 01 Tera Bytes or better.
- (iii) Data transfer using Compact Discs, pen Drives, External HDD to other PCs.
- (iv) Facilities for graphical display of temperature, humidity, vapour pressure, balloon ascent rate, Modified Refractive Index, Y-Phi gram with various indices, profiles and all latest STANAG formats.
- (v) RADIOSONDES: - The consumables viz. Radiosondes should be packed in a thermal protection material and to be ready to use plug-in for launch.

(c) **Reliability/ Environment Testing:-** The System should be designed with built in Test Equipment (BITE) in such a way that it indicates any manufacturing defects/ malfunction of any sensor in radiosonde during the initialization/ ground testing stage itself. Ground Receiving Station and Tough book shall be compliant to environmental requirements as per JSS 55555 or any other equivalent National / MIL - 810F/International Standards (Type of equipment, whether COTS or manufactured indigenously or imported to be indicated by the firm in their technical offer). The system is intended to be used on sea platforms. The marine version of system should have resistance for the salty/rugged environment and rolling/pitching effects of moving ships and hence should comply with Marine grade standards.

(d) **EMI/EMC(MIL-STD 461 E/F):-** The UASS System should be EMI/EMC compliant. The System should comply to MIL-STD 461 E/F.

(e) **Transportability:-** The process of relocating any of the system to another site should not involve any major cost/ difficulty to user except requirement of necessary external power supply, frames, brackets and harness etc. for installing the system at new site.



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- (f) **Durability/ Preservation**:- The UASS are required for installation onboard moving platforms like ships and Vehicles on rugged hilly terrain and static locations. The system should guarantee the shelf-life of 10 years for ground station including all hardware components, antennas and accessories under the Indian tropical conditions as given below:-

<u>Sr. No.</u>	<u>Parameter</u>		<u>Essential</u>	<u>Desirable</u>
(i)	Minimum temperature	-	Minus (20°C)	Minus (40°C)
(ii)	Maximum temperature	-	+ 55°C	+ 70°C
(iii)	Humidity (RH)	-	0% to 100%	0% to 100%

- (g) **Wind Finding Options**:- The wind finding options to be based on the navigational aid networks on an independent and passive wind measurement method through differential GPS/IRNSS/GNSS or any available constellation.

- (h) The operation and maintenance of the equipment installed anywhere in India including onboard ship should be simple and easy under the Indian tropical conditions as given below:-

<u>Sr. No.</u>	<u>Parameter</u>		<u>Essential</u>
(i)	Minimum temperature	-	Minus (20°C)
(ii)	Maximum temperature	-	+55C
(iii)	Humidity (RH)	-	0% to 100%

- (i) **Pre-Launch Preparation**:- The pre-launch calibration/testing and ground check procedure to be completed within a period of less than 10 minutes during day or night. This should include:-
- The Radiosondes should be equipped with transmitters than can be ready for use by plugging-in/ switching on the battery power.
 - The Radiosondes should be small, lightweight and tolerable for transportation, storage and field use.
 - The radio receiver for receiving data transmissions from ascending Radiosondes are to be with digital data output and plug into any PC or laptop through a suitable port or the USB.

- (j) **Basic Features**:- The system should incorporate the latest advances in electronics and technology. The features to include:-

- Small and light weight receivers which can easily be deployable either for temporary or permanent service.



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- (ii) Availability of Software in Windows environment for real-time plotting of data and for logging.
- (iii) The settings of the receiver are to be completely non-volatile and should maintain the settings even when transferred to other geographical locations.
- (iv) Should be completely autonomous with captive power.
- (v) Should have real-time and off-line data visualization tool with facility to data export to ASCII and other popular formats.
- (vi) The batteries should be Maintenance free.
- (vii) The system should have Auto-Validation features for the sensors of the Radiosonde.
- (viii) By performing the calibration test the Radiosondes should be declared as go/ no go.

(k) **Cyber Security Aspects**:- The following cyber security aspects should be catered to by the system:-

- (i) **Protection of Communication Interfaces.** All interfaces (if available) should be documented along with their purpose and communication protocols. All unused communication interfaces should be disabled through software/hardware. Provision to enable/disable these interfaces should be provided.
- (ii) **Update/ Patch Management.** The system should have a facility for updating/patching the Operating System and application software. Mechanism for undertaking the same should be clearly outlined in system documentation.
- (iii) **System Security.** Access control mechanisms to prevent unauthorized access to the system must be provided.

(l) **Maintenance Philosophy**:- The desired repair and maintenance philosophy of the equipment are as follows.

- (i) The equipment should be modular in design to facilitate speedy repairs and should use latest technology available to facilitate high MTBF (>2000H).
- (ii) The equipment should be maintainable using only Built in Test (BITE) features and hence the system should have 'BITE' facility up to LRU level. It should be easy to maintain in field through repairs, by replacement and in house repairs of replaceable i.e. LRUs/ PCBI Module using SMTs/ STEs.
- (iii) The maintenance should involve only common tools and test equipment. Engineering Support Packages (ESP) and life time support by the developer will be provided for repair of PCBs/ modules by the in house maintenance agency.



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(iv) Upgrades in hardware and software, if necessitated for any reason, would be provided by the manufacturer for the entire life of the equipment.

(m) **Documentation**:- The details of documents/publications that should be provided at the time of user trials/maintenance evaluation are as follows:-

(i) **User Trials**:- Technical description and Repair Manual, User's Hand book, list of SMTs/ STEs/ ISPLs, CES and any other document felt necessary.

(ii) **Maintenance Evaluation**: - User's Handbook, Maintenance Manual, Draft Overhaul Manual where required, Identification list MRLS for 24 month maintenance, Manufacturing drawings specification's and interchangeability data.

(iii) **Technical Evaluation**:- User's handbook, technical Manual, Design/ performance Specifications and Acceptance Test Procedures and Specifications.

(n) **Obsolescence**: - The system should guarantee in-service life of 10 years (in addition to warranty period) for ground station including all hardware components, antennas and accessories under the Indian tropical conditions. As the system is IT intensive, the system should be easily upgradable to the latest software available in the field to facilitate extended (Life extension/ upgrade) period of utilization. The consumable items viz Radiosondes to have a shelf life of two years when preserved/ stored in a humidity controlled/ air conditioned environment.

(o) **Training**:- At least, three working days of on site operators training covering normal system operation, advanced features, maintenance/ Troubleshooting to enable users to exploit the system must be provided to at least five personnel.

5. The proposed UASS system should conform to technical specifications prescribed and shall perform according to the said technical specifications.

6. The developer should commit to provide Product Support for the stores, assemblies/ sub-assemblies, fitment items and consumables, for a period of 10 years excluding 02 years of warranty period after the delivery of Upper Air Sounding Systems.

7. **Scope of Supply** :-

The supplier's scope of system supply shall cover the supply of equipment, connectorization, Installation material, spares, drawings and documentation, installation supervision, setting to work, testing, on-board commissioning, harbour and sea trials of Upper Air Sounding System. The supplier is to list down in detail, the deliverables to be provided at various stages of supply as mutually agreed upon. The complete scope of supply of the system by supplier per ship shall include as given in succeeding paragraphs.



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7.1 Main Equipment: - Following is the list of tentative first fitting items to be supplied. List may vary based on the system being offered. First fitting items are to be supplied as listed below. This list may undergo revision after the receipt of detailed technical proposal and breakup of the items from the supplier and suggestions if any from IN / MDL / OEM during TNC for satisfactory performance/operation of the system.

Sr No	DESCRIPTION	QTY/SHIP
i.	Ground Receiving Station with System Software	1 Set
ii.	Tough book/PC with system software	1 EA
iii.	Antenna set comprising of a. Omni directional 400 Mhz antenna – 1 no b. Helical 400 Mhz antenna – 1 no c. Local DGPS/GRNSS antenna – 1 no d. Antenna cables of requisite length Or any other antennae system as compatible	1 Set
iv.	Lightening and Radar Protection Kit	1 EA
v.	Balloon Filling Unit	1 EA
vi.	Radiosondes	100 EA
vii.	Balloons	100 EA
viii.	UPS with 2 Hours power backup	1 EA
ix.	HP Colour Laser Printer A4	1 EA

Item wise breakdown of the cost should be mentioned in the offer.

7.2 Cables: - Power cable will be supplied by MDL. Firm should supply all type of cable required i.e. power, antenna cables (approx. Length between antenna and ground station is 100 Mtrs), inter units cabling and all connectors required to be connected to the system. LFH (Limited Fire Hazard) cables are to be used for internal wiring except for certain internal wiring like communication cables, flat wires, computer cables where LFH cables may not be available. Firm to quote for cables as a set and provide the breakup for each cable as a percentage of the total cable cost. Cable laying shall be done by the yard

7.3 Connectorization:- Connectorization of entire system cables including glanding, Splicing of FO (if any), Crimping of Ethernet cables(if any) & connectorization of all other cables and its Single point responsibility shall be in supplier's scope and cost shall be included in the offer. Any suggestion regarding selection of cables to be used and procedure / restrictions for laying the system cables on board ship etc. along with their technical information are to be brought to the notice of MDL at the initial stage of the project. Any limitation on the cable runs with respect to system performance, method of cable laying with respect to EMC requirement should also to be clearly brought out by the supplier.



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7.4 Installation Material:-

7.4.1 One set of installation material that includes special tools if any, special cables if any, shock/vibration mounts etc, recommended by Supplier, for satisfactory completion of system installation on board ship should be supplied. The make, model number and quantity for each type of item offered has to clearly indicated in the technical offer along with application of the same. The cost for each item has to be indicated separately.

7.4.2 **Accessories & Support Hardware:** – Accessories (JBs, Power Distribution Panel etc.) & support Hardware (if any) required to complete the installation of System but not indicated in above mentioned Scope of supply should also be included in the offer by Supplier. Responsibility for ensuring Completeness and adequacy of the system offered shall be borne by supplier.

7.4.2.1 All accessories / items required for the installation, setting to work, commissioning and normal functioning of the equipment are to be included in the scope of supply. A complete list showing all items / accessories being supplied is to be provided by the supplier in the offer.

7.4.2.2 The OEM must supply a copy of all embedded software and firmware loaded on various EPROMs / EPROMs / Flash memory/ Solid state Disks/HDD/Removable Compact Flash Card etc to facilitate second and third level maintenance. Any special type tool/ Utility like JTAG etc required for loading of software/firmware must also be provided by the OEM.

7.4.3 **Shock Mounts:** - Suitable shock mounts required for mounting of the equipment are to be provided by the firm.

7.5 **Special Tools and Test Equipment for Installation:** – One set of STTE for MDL & One set of STTE for GRSE if any, required for installation shall be supplied along with equipment. The same may be included in offer.

7.6 **Testing and Tuning Spares:-** One set for MDL and one set for GRSE of Testing and Tuning Spares and Test Equipment recommended by the Supplier and approved by IHQ, required for the satisfactory completion of STW, HATS/ SATS and Commissioning of the system, are to be supplied. Finalized/ approved list will be part of the Order. List & Cost of Testing & Tuning spares should be included in the offer.

7.7 **On Board Spares (OBS):-** One set of On-board spares for the period of ONE year to be quoted along with the technical offer taking into account the IN's maintenance philosophy and test equipment policy for first and second level maintenance as per **APPENDIX-6**. This should include the list of spare parts, tools and accessories, which must be carried on the ship, for preventive maintenance, trouble shooting and quick repairs to ensure no more than 30 minutes of Down time for the system at any given instance. The make, model Number and quantity each item offered has to be clearly indicated in the technical offer. The cost for each item has to be indicated separately. The finalized / approved list of spares is to be provided in INCAT (Indian Naval Catalogue for Inventory) compatible format in electronic media



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for ILMS (Integrated Logistics Management System) of Indian Navy, for the management of spares. The supplier shall also provide the description of the part and OEM part number. The supplier shall provide the list in both hard copy as well as soft copy. The spares are to be supplied in standard metallic boxes with packing list indicating the contents, duly preserved for long term duration.

- 7.8 Five year Base & Depot Spares:-** OEM to quote for One set of B&D spares for 7 ships. The OEM should forward this recommended list of B&D spares for Auto Plotter system for vetting of IHQ MOD (Navy). B & D Spares should consist of spare parts and modules required to replenish depot holdings for a period of five years. These should also contain complete subsystems and assembly spares for the major refit (and thorough checking thereafter) of the system. It should also include exclusive Depot Spares comprising components for carrying out spares of PCBs up to component level, using workshop level automatic test facilities available with IN. IN's maintenance philosophy is given at **APPENDIX-6**. The manufacturer should clearly indicate the basis for ranging and scaling of spares. The list of spares should be submitted by the supplier along with the techno commercial proposal for the system. The supplier shall also provide finalised / approved list of B&D spares in INCAT (Indian Naval Catalogue of Inventory) databank compatible format in electronic media. Procurement of number of sets of B&D spares is to be offered as an option to IN which may / may not be procured along with the system.

NOTE: ILMS FORMAT FOR SPARES - List of all spares and tools shall be submitted, in INCAT compatible format detailed at **APPENDIX-6** in soft as well as hard copies, along with the offer.

8. Documentation:-

8.1 All associated documentation, drawing and equipment list applicable shall be in English language, properly bound, labelled and shall contain dimensions and other parameters in metric units (SI Units). The drawing and documentation shall be complete to permit installation, operation testing and maintenance of equipment on board. These shall cover all sub-assemblies and accessories of the equipment. The payment under heading of documentation shall be released only on receipt of all documentation.

8.2 Drawings/documents shall be prepared by using following Software:

- Documents – Latest version of MS Word 2000.
- Orthographic Drawings & 3D Model of Equipment - AutoCAD 2010 or its latest version. Supplier to provide the 3D-Model in STP/IGES format or its equivalent for uploading in Modelling software used by MDL.

8.1.1 Binding Drawings & Installation Specification: The following list of drawings & documents are to be provided by the supplier as part of binding data & installation specification. These documents are to be forwarded to MDL for approval within 02 Months from the placement of order. Two sets of hard copies & 1 set in CD ROM of Binding drawings with details as mentioned below are to be forwarded.

- 1) Drawings should also clearly indicate items/components that are imported, bought out and COTS along with full details thereon. This should include source of procurement/ import, the model and the make of the bought out /COTS items. In case of electronic modules fabricated/assembled indigenously with imported/bought out components, requisite information to ensure quality and traceability is to be provided.



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- 2) Installation drawings indicating over all dimensions of all devices, weight, CG, cable entry, ventilation ports, shock mounts, lifting points, door opening and maintenance envelope List indicating the dimensional details of the devices as per format at Table-1 of **Appendix-7**. A table indicating the drawing number of each unit is to be provided by the supplier along with binding data / installation specs.
- 3) List of Installation materials, OBS, B&D spares, T & T Spares, ASIC components shall be indicated in the Binding data / Installation specification.
- 4) Sequence of activities & procedure for installation, alignment, set to work and commissioning of the system.
- 5) Seat Machining requirements, Seating and Installation details, Alignment requirements etc.
- 6) Shipping in/ out details for major equipment is to be provided by the supplier.
- 7) Type of door opening for maintenance / operation to be clearly indicated. Desired clearances to be indicated.
- 8) List of shock mounts for each equipment as per Table – 2 of **Appendix-7** and dimensional details of shock mount as per Table-3 of **Appendix- 7**.
- 9) Recommended arrangement of devices in nominated compartments.
- 10) Power supply requirements / power consumption of individual units.
- 11) Block diagram/Inter unit Cabling diagram.
- 12) Cable form list as per format at **Appendix-4** to be provided as part of Installation Specification.
- 13) Table of connections as per format at **Appendix-3**.
- 14) Parts identification list - indicating Part No., Quantity, Maker's name, Specification etc. shall form the part of Binding data of individual unit.
- 15) List of Connector Plugs, Heat shrink boots & adapters to be provided along with Installation specifications as per the format at **Appendix-5**.
- 16) A storage requirement in the store as well as on board till the system is switched on.
- 17) Special instructions if any for storage, preservation, lifting, painting and installation.
- 18) Mounting arrangement of each individual sub assembly.
- 19) Noise and Vibration data detailing the maximum expected noise and vibration levels of each equipment.
- 20) Drawings and 3D Model of equipment in CD-ROM.

8.1.2 An illustrated list of documents which may be submitted by the Seller is as under

- (i) User Handbook/ Operators Manual in English.
- (ii) **Technical Manuals.**
 - (a) **Part I:-** Tech description, specifications, functioning of various systems.
 - (b) **Part II:-** Inspection/ Maintenance tasks for operator level staff. Minor trouble shooting procedures and use of Special Maintenance Tools (SMTs)/ Special Test Equipment (STEs) (if any).
 - (c) Norms of consumption, mandatory/ non-mandatory spares list for each system.
 - (d) Table of Tools & Equipment (TOTE) & carried spares (if any)
 - (e) Complete Equipment Schedule.
 - (f) Repair, Servicing and Maintenance schedule.
 - (g) Condemnation limits



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(h) Packing specifications/ instructions.

(j) Do It Yourself (DIY) video on operator level trouble shooting.

(k) Any additional information suggested by the OEM.

8.1.3 Exploitation Documentation: The Bidder will be required to provide the technical literature preferably in IETM (Interactive Electronic Training Manuals) in Level 4 format or higher. This should be provided with both Technical Bids and Commercial Proposals. These are the set of documents intended for the complete exploitation of the system, i.e. servicing, operation, maintenance on board the ship. The documents shall cover the aspects of operation and maintenance, catering from daily routines up to major overhaul, replacement of major assemblies/components and 'Fault analysis'. Test and trial documentation covering installation checks, set to work and OPS Checks as applicable shall be provided by the supplier. The following list of the exploitation documents shall be included in the technical offer.

- i. Technical description & operating instructions, album of illustration, service log, complete OBS & SPTA list in INCAT databank compatible format in electronic media for Integrated Logistics Management System (ILMS) / Ship's Logistics Management System (SLMS), schematic diagrams, maintenance manuals, details of special tools / instruments / equipment / Jigs & Fixtures used, chart of equivalents for combustible materials, Factory test reports (FATs), material certification. Part Identification List, indicating Part No., Quantity, Makers name, materials, etc. Installation, alignment and setting to work procedures (stating pre-requisite conditions, if any). Any special instructions for installation, preservation, painting, storing, handling/lifting, etc.
- ii. The following nos of copies(hard as well as soft copy in reproducible CD ROM) are to be supplied to MDL per ship: -

S.No	Description	1 ST Ship		2 ND Ship		3 RD Ship		4 th Ship	
		Print	CD	Print	CD	Print	CD	Print	CD
		Nos of Sets							
i.	Technical and Operating Instruction Manual	15		1		1		1	
ii.	On Board Maintenance Manual	15		1		1		1	
iii.	Depot Maintenance Manual	15							
iv.	Installation and Testing Manual	15		1		1		1	
v.	Parts and Tools Catalogue	15	1	1	1	1	1	1	1
vi.	Installation Drawings	15		1		1		1	
vii.	Conformation of Standard Specified	15		1		1		1	
viii.	IN Approved HAT/SAT documentation	15		1		1		1	
ix.	Certified Test Report with	15		1		1		1	



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	actual test values								
x.	As fitted drawing – Paper prints	15		1		1		1	
xi.	IETM Documents-Level IV-hard(if applicable)& soft copy (CD-ROM)	-	02	-	02	-	02	-	02

iii. The following no's of copies are to be supplied for GRSE per ship set

S.No	Description	1 ST Ship		2 ND Ship		3 RD Ship	
		Nos of Sets					
		Print	CD	Print	CD	Print	CD
i)	Technical and Operating Instruction Manual	05	1	1 Set	1	1 Set	1
ii)	On Board Maintenance Manual	05		1 Set		1 Set	
iii)	Depot Maintenance Manual	05		1 Set		1 Set	
iv)	Installation and Testing Manual	05		1 Set		1 Set	
v)	Parts and Tools Catalogue	05		1 Set		1 Set	
vi)	Installation Drawings	05		1 Set		1 Set	
vii)	Conformation of Standard Specified	05		1 Set		1 Set	
viii)	IN Approved HAT/SAT documentation	05		1 Set		1 Set	
ix)	Certified Test Report with actual test values	05		1 Set		1 Set	
x)	As fitted drawing – Paper prints	05		1 Set		1 Set	
xi)	IETM Documents-Level IV-Hard copy (if applicable) & reproducible soft copy (CD-ROM)	-	02	-	02	-	02

8.1.4 The development cost for IETM Level-IV documentation shall be amortized for four ship of MDL & three ship of GRSE. However, 02 no's of reproducible CDs shall be submitted by firm for all ship-sets (both MDL and GRSE).

8.1.5 The IETM of UASS System will be Integrated with Centralized Ship IETM Database at a later date hence requisite Authoring source code developed on COTS based software to be provided in a cd along with IETM Documents.



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- 9 **Training**:- At least, three working days of on site operators training covering normal system operation, advanced features, maintenance/troubleshooting to enable users to exploit the system has to be provided to at least five personnel at INS Kohassa, Andaman & Nicobar Islands.
- 10 **Quality Assurance Programme**: - The detail design, material and workmanship shall be in accordance with the best world-wide recognized marine practices, to ensure reliability, durability and ease of maintenance which comply with the ship's requirements. The design shall be such that weight and size are reduced to the minimum practicable, ensuring no compromise in reliability or significant design criteria. A draft quality assurance program is to be specified by the manufacturer in his offer. The QAP/ATP checks would be carried out by the Authorised Inspection Agency, as appointed by the Indian Navy.
- 10.1.1 Within one month of signing of the Contract, the supplier will submit the Quality Assurance Plan (QAP) and Acceptance Test Procedure (ATP). IHQ MoD/ DNOM reserve the right to modify the ATP if necessary. The QAP will have details like, brief of equipment, technical and environmental specifications etc. The ATP will contain procedures to verify all technical specification of the system.
- 10.1.2 The equipment manufacturer shall submit quality inspection and control plan, within 01 Month from the approval of Binding document (refer Para 15) to the relevant inspection agency under intimation to MDL containing the following details:-
- The details of Test Procedure and method of proving the performance of the system both in factory and on board ship.
 - Factory Acceptance Test (FAT) plan. FATs will be conducted in the presence of a team of officers constituted by IHO/MoD (N). FAT document must be approved by IHQ MoD/DND atleast 01 months prior to FATs.
 - Details of test equipment, test methods, preliminary qualification tests, etc. are to be indicated.
 - Shop floor tests prior to dispatch by supplier should be conducted.
 - Amendment to the Quality Inspection and control plan proposed, if any, shall be formalised post order after discussions between Naval Headquarters/ DQA(N).
 - List of relevant hardware and software specifications to which the testing/acceptance would conform to and the performance parameters required to be checked during the various acceptance phases.
 - List of specifications that cannot be conclusively demonstrated /proved during System Acceptance Tests and for which documentary evidence will be furnished by the manufacturer. The manufacturer will undertake to make good, free of cost, any defects noticed during ship- borne tests/trials/operations.
 - Fully finished products/stores of imported nature shall be accepted at MDL Stores against validation of following import documents:
 - Bill of Lading
 - Country of Origin
 - Shipping Bill
 - Bill of entry for warehouse
 - Original manufacturer's test certificate/ quality assurance/ guarantee certificates complying to MIL STD 810/ equivalent.



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- vi. Original manufacturer's certificates confirming that spares are tested for fitment on main equipment for which spares are ordered i.e. PAC firms confirmation certificate complying to MIL 810/equivalent
- vii. Inspection agency release note
- viii. Firms guarantee/warranty certificate
- ix. In case of COTs Item :- Certificate of Conformity (CoC) – Is the certificate issued by the OEM stating that the supplied items shall meet the specified requirements indicated by the purchaser. The certificate shall also include the governing specifications with test severities and values achieved.
- x. FATs report

11 Trials:-

11.1 **Requirement of Factory Acceptance Test (FAT) Schedule:-** The supplier will prepare Factory Acceptance Test (FAT) schedule to verify functional features of the system for all seven sets of P17A Project. FAT will be conducted by the team detailed by IHQ MoD (Navy)/DNOM, before the dispatch of stores to consignee. During production, QA checks will be carried out as per approved QAP/ATP and Inspection Note (I-Note) will be issued on successful completion of all QA activities and FATs. For Quality Assurance activities and testing, the vendors will arrange for requisite test facilities at OEM premises for establishing conformance.

11.1.1 The supplier shall prepare Factory Acceptance Trial schedule/ document and submit to IHQ of MoD (N)-DND through MDL, for vetting and approval at least 01 months prior to commencement of FATs (refer Para 15). The date of the FATs shall be mutually finalised between the supplier and IHQ of MoD (N)-DND. The FATs will be carried out by a nominated Naval Team. The schedule should state how the supplier would demonstrate that the delivered system will meet the functional and performance requirements indicated in the TSP. The FAT procedure shall comprise of following:-

- (a) Functional Tests
- (b) Verification of design, especially firmware and software
- (c) Test equipment used, calibration requirements
- (d) Pass / fail criteria
- (e) Expected duration and time schedule

11.2 **Ops Check/Harbour Acceptance Trials (HATs) and Sea Acceptance Trials (SATs):** The system would be subjected to Ops (operational) check/Harbour Acceptance Trials (HATs) and Sea Acceptance Trials (SATs) as applicable by IN norms. Draft Ops check/HATs & SATs documents shall be prepared and submitted for vetting and approval of IHQ of MoD (N)-DND within 03 months of completion of FATs. The document shall include HATs & SATs schedule, procedure, pre requisites, testing procedure, requirements at harbour/ sea, 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 conduct of trials and all other relevant data / information required for the successful completion of trials. The supplier shall offer the system for HATs/ SATs to the satisfaction of WATT (Mbi) for four ships of MDL and WATT (V) for three ships of GRSE as per the approved documents. Single point responsibility of successful of proving the system/equipment on board the ship shall be borne by the supplier.



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12 Service of Engineer/ Technical assistance:-

12.1.1 The Supplier shall provide the necessary representative(s) as and when required, in carrying out inspection and during the following phases:

- a) Installation
- b) Connectorisation and Setting To Work (STW)
- c) HATS
- d) SATS

12.1.2 The supplier shall estimate the requirement of man-days of their qualified supervisors / specialists and their stay at shipyard / on Board the Ship to assist shipyard in all activities. This requirement shall be elaborated in the technical offer. The supplier shall indicate total cost (in the price bid) for executing each technical assistance activities, in the offer. No extra man days/payments, on this account, shall be admissible or considered on completion of the total technical assistance. In addition the supplier may be required to provide assistance in operation during guarantee period, if required by the Yard.

12.1.3 If additional man-days are required for carrying out the activities beyond the scope of specified activities, the work shall be taken up only after obtaining the written approval/consent from MDL.

12.1.4 Shipyard has to progress on ship construction activities, simultaneously on ships of the same Class/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.

13 Weight Recording/Weight Certificate: - Net weight of each item shall be recorded in the presence of Inspection Agency on the Weight Certificate attached at APPENDIX- 9. The weight certificate shall be delivered along with the documentation for the main equipment. Also the Weight Control Data Sheet shall be issued in the format as detailed at **APPENDIX- 8** along with offer. The supplier shall have to submit, reasons for variation between allocated weight and actual/certified weight for each and every item, wherever applicable, to IHQ of MoD (N)-DND and MDL for their consideration and further necessary action. The supplier shall endeavour to estimate the weight of the equipment/item very precisely so as to restrict the variation in weight to a maximum of 1%. In case, during production, if supplier anticipates the increase in weight by more than 1%, they should immediately inform to IHQ of MoD (N)-DND and MDL about the same so that its implications on the ship's performance and other related matters could be examined jointly by IHQ of MoD(N)-DND and MDL and appropriate timely corrective actions could be taken.

14 Planned Delivery Dates of Ships:- The planned dates for delivery of the Ships to the Indian Navy by MDL and GRSE are tabulated below:-

Ship No	Shipyard	Yard No.	Planned Delivery date
1	MDL	12651	Aug 2024
2	MDL	12652	Feb 2025



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3	MDL	12653	Aug 2025
4	MDL	12654	Feb 2026
5	GRSE	3022	Aug 2025
6	GRSE	3023	Apr 2026
7	GRSE	3024	Aug 2026

15 Delivery Period:-The delivery timeline for UASS for all the seven yards are as follows:-

Timelines for Deliverables of UASS for P17A MDL Ships								
Sr.No	Activity	Yard 12651	Yard 12652	Yard 12653	Yard 12654	Yard 3022	Yard 3023	Yard 3024
	Placement of Order	P						
1	Submission of Binding Data (BD) to MDL/GRSE	P + 2 Months						
2	Binding Data (BD) Approval	P + 3 Months						
3	Submission of Quality Assurance Plan	P + 4 Months						
4	Approval of Quality Assurance Plan (QAP) by WDB	P+ 5 Months						
5	Completion of Inspection	P+7 Month	P+9 Months	P+11 Month	P+13 Month	P+7 Month	P+10 Month	P+16 Month
6	Completion of FATS	P+9 Month	P+11 Month	P+13 Month	P+15 Month	P+9 Month	P+12 Month	P+18 Month
7	Delivery date of Item from Purchase Order placement	P+12 Month	P+14 Month	P+16 Month	P+18 Month	P+12 Month	P+15 Month	P+21 Month
8	Warranty	Twenty Four (24) months from the date of Supply to MDL and GRSE for the respective Yards.						

16 Warranty:- Twenty Four (24) months from the date of Supply to MDL and GRSE for the respective Yards. The equipment supplied shall be warranted from defects, performance for the said period and cover all the defects arising from malfunctioning through design faults, inappropriate material, bad production and non-conformance to specifications. Any expense on account of repair/supply of spares against guarantee defects shall be borne by the supplier. If any defective part to be taken back to OEM's factory (i.e. importing and re exporting from Country of origin), for service purpose the liability of the same shall be



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borne by the supplier. Supplier shall indicate, in the offer, the rate for extended warranty period, in case the warranty period as detailed above expires.

- 17 **Extension of Warranty**:- Supplier shall mandatorily indicate, in their offer, the rate for extension of warranty for 02 years, in the event of expiry of warranty period as detailed above along with the attendant commercial terms and conditions if any.

18 **PACKING & SHIPPING** –

- a) All equipment shall be adequately packed and protected with supports to ensure adequate protection during all methods of transportation. Each unit within a package/container shall be clearly marked in English for identification. The container shall clearly indicate the commodity description with caution marks, weight, size, etc. The instrumentation and sensors meters etc which are likely to be damaged during transit and installation are to be removed from the main equipment and shall be supplied in a separate suitable box/packing.
- b) The list of actual deliverables against each of the above serials shall be forwarded to MDL and GRSE 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.
- c) A separate document giving complete details and instructions for storage, preservation, handling and transportation after delivery shall be supplied. The supplier shall indicate the delivery schedule, port of embarkation, transport, packing, preservation, insurance, etc.

- 19 **RECEIPT INSPECTION** - Receipt inspection for the major equipment at MDL & GRSE shall be carried out in the presence of OEM rep 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.

19.1 **INSPECTION AUTHORITY**

(a)	Drawing & Binding Data approval	:	IHQ / Directorate of Electrical Engineering (DEE)
(b)	Inspection Authority	:	DNOM of Indian Navy / IACS
(c)	Receipt Inspection	:	Joint Inspection for MDL Yards by Warship Overseeing Team (WOT-Mb) of IN & Mazagon Dock Shipbuilders Ltd (MDL) & for GRSE Yards WOT(KOL) & GRSE.
(d)	Ship Trials	:	WATT(MB)



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20 COMPLIANCE MATRIX

A compliance matrix, in the following format, shall be submitted by the Suppliers along with their offer, for each para, including paras which are not applicable to the supplier:

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

21 POWER SUPPLY:-

- i. The following power supply will be made available from the ship for the system:-
 1. 415 V AC, 50 Hz, 3 phase (characteristics as per **APPENDIX -10**)
 2. 230 V AC, 50 Hz, 1 phase – Max 10 Amp.
- ii. If the system is operating on certain other power supply, a suitable converter / transformer shall be provided by the firm to meet this power supply requirement.
- iii. All the equipment of the System should be able to withstand +/- 10% fluctuation in voltage and +/- 3% fluctuation in frequency of Ship's Power Supplies. Provision for transient protection should exist.
- iv. The system should be capable of switching over to alternate battery/ships supplies in emergency.



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APPENDIX- 2

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 DQA (WP) / DQA (N) / MDL:

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

2. PAST PERFORMANCE:

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

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 : _____



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Stamp:

(*) Strike out which is NOT APPLICABLE.



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APPENDIX-6

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DETAILS OF SPARES MANAGEMENT SYSTEM AS PER INCAT COMPATIBLE FORMAT
(Refer Clause No. 2.11.5)

CODES USED IN ILMS RELATIONAL DATA MODEL

Codification Scheme for Item

Sr.No.	Type of Store	Part I	Part II	Part III
1	Naval Stores (DS Cat Number)	N	GpCI	Part No
2	Naval Stores (Admiralty)	N	CIGr	Pattern No
3	E&SP Non-Russian	E	OEM Code	Part No
4	E&SP Russian	S	OEM Code	Part No
5	BEL Stores	E	OEM Code	Part No

- Note:
- SNo 1 and 2 are DSCat and Admiralty Scheme respectively. DSCat is preferable.
 - All E&SP items need to be finally codified as E&SP Non-Russian, SNo 3.
 - Make extra efforts & use scheme as per SNo 3 for all E&SP items.

Few Codes Used in ILMS

	<u>EASKType</u>		<u>ItemDeno</u>
E	Equipment	cc	Cubic centimetre
A	Assembly	cm	centimetre
S	Sub-assembly	cuF	Cubic feet
K	Kit	cuM	Cubic metre
		doz	dozen
	<u>EqptType</u>	fm	fathom
MAJ	Major	ft	feet
MED	Medium	gal	gallon
MIN	Minor	gm	gram
		gro	gross
	<u>SubstituteType</u>	kg	kilogram
F	Functional	lb	pound
I	Indigenised	lit	litre
R	Re-referenced (same item)	m	metre
S	Superseding (Item or Item Code)	mg	milligram
		mi	millilitre
		mm	millimetre
	<u>RoutineType</u>		
Y	Yearly	no	number
Q	Quarterly	pr	pair
M	Monthly	qr	quire
H	Hourly	qtl	quintal
B	Bi-annually	rm	ream
		set	set
		sqF	Square feet
		sqM	Square metres
		tnM	Tonne Metric (1000 kg)
		yd	yard



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CODES USED IN ILMS RELATIONAL DATA MODEL

<u>Currency Code</u>		<u>Country Code</u>	
rbl	Russian Rouble	BLG	Republic of Bulgaria
Yen	Japanese Yen	Bel	Belgium
US\$	US Dollar	CAN	Canada
UK#	UK Pound Sterling	DEN	Denmark
SP\$	Singapore Dollar	FIN	Finland
SFr	Swiss Franc	Fra	France
Rs	Rupees	Ger	Germany
MAr	Malaysian Ringitt	HON	Hong Kong
HO\$	Hong Kong Dollar	ITL	Italy
FIM	Finland FIM	Ind	India
MAr	Malaysian Ringitt	JAP	Japan
Eu	Euro Currency	Kor	Republic of Korea
Dkr	Danish Kroner	Mal	Malaysia
Dfl	Netherlands	NOR	Norway
DUg	Dutch Guilder	NRL	Netherlands
CA\$	Canadian Dollar	NZL	New Zealand
Bfr	Belgian Francs	POL	Poland
Ash	Austrian Schilling	Rus	Russia
AU\$	Australian Dollar	SA	South Africa
		SGP	Singapore
		SWZ	Switzerland
		Spn	Spain
		Swe	Sweden
BIS	Bureau of Indian Standards	UAE	United Arab Emirates
BS	British Standards	UK	United Kingdom
DIN	DIN	USA	United States of America
ISI	Indian Standards Institute	Ukr	Ukraine
ISO	International Standard Organization		
JSS	Joint Services Specifications		
NAT	NATO Specifications		
XXX	Miscellaneous		
		A	Inflation Adjusted Price
		C	Central Procurement Price
		D	LP (Direct/Local) Price
		E	POEP (Estimated)
		K	Book Price (Kitaab)
		Q	Budgetary Quote Price

Note : More codes can be added should the need arise.



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SPARE PART DETAILS FOR ILMS COMPATIBILITY BY OEM/PRODUCTION DIRECTORATES

S No	ELEMENT	STRUCTURE	BY	REMARKS
1.	Item/Eqpt Code	Char(32)	OEM	Consist of OEM Code/Name and OEM Part Number. Part Number to be restricted to 24 Char.
2.	Item/Eqpt Desc	Char(60)	OEM	Put Unique Identifier
3.	Item/Eqpt Denom	Char(3)	OEM	Strictly use Codes supplied by ILMS. It shall mostly be <i>nos.</i> or <i>set.</i>
4.	Substitute Item Code	Char(32)	OEM	OEM name and OEM Part Number.
5.	Year Obsolescence	Char(4)	OEM	In case of main eqpt. only.
6.	EASK Item Code	Char(32)	OEM	Identifier for E/A/S/K
7.	EASK Type	Char(1)	OEM	Eqpt/Assembly/Sub-assembly/Kit
8.	EASK Book Ref.	Varchar(31)	OEM	Book/Drawing reference.
9.	Qty Constituent	Small Integer	OEM	Incase of spare parts, number fitted in the equipment, Small Integer range 0 – 62, 000.
10.	Months Shaft Life	Tiny integ	OEM	Zero(0) for non-shelf item
11.	Specs Name	Char(30)	OEM	DIN, ISI etc.
12.	Specs Value	Varchar(20)	OEM	Number associated with Corresponding specs
13.	Characteristics Name	Varchar(30)	OEM	Special Properties like Max Temp, Drawing etc.
14.	Char Value	Varchar(60)	OEM	Value of Property, Drawing reference etc.
15.	Substitute Type	Char(1)	OEM	Indigenous/Upgraded etc.
16.	Hours Estimated Life	Small Integ	OEM	
17.	Hours MTBF	Small Integ	OEM	
18.	Hours MTBR	Small Integ	OEM	
19.	Routine Type	Char(1)	OEM	In case of Main Eqpt. only as per attached list of codes. (Yearly, Monthly, Hourly etc.)
20.	Routine Periodicity	Small Integ	OEM	5000 Hrly etc.
21.	Recom BD Spares	Small Integ	OEM	Recommended by mfg.
22.	Recom OB Spares	Small Integ	OEM	Recommended by mfg.



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S No	ELEMENT	STRUCTURE	BY	REMARKS
23.	Supplier Name	Char(50)	OEM	Use Supplier's name with unique location identifier eg. BEL Hyderabad. Must exist in Supplier table
	Address	Char(30)		
	Address Line1	Char(30)		
	Address Line2	Char(30)		
	City	Varchar(30)		
	State	Char(20)		
	Pin code	Char(7)		
	Country Code	Char(3)		Use codes provided above. You may use full name of country when in doubt. Telephone No., Fax No. and Email etc. as required.
	KompassControl No	Char(9)		
24.	Dealer Name	Char(50)	OEM	Address and other details as per above format. Put the details in the Supplier Table and use the dealer's name with unique location identifier.
25.	Certification Type	Char(3)	OEM	Certification applicable to Supplier. As per attached list of codes.
26.	Certification No.	Char (30)	OEM	ISO-9000 etc.
27.	Qty	Real	OEM	Total quantity for which price is applicable
28.	CurrencyCode	Char(3)	OEM	As per attached list of codes
29.	Unit PriceCC	Money	OEM	Price in Currency Code (CC) only unit qty and not for total qty.
30.	TotalPrice	Money	OEM	Price for total quantity.
31.	Price Date	Small Date Time	OEM	
32.	PriceRef	Varchar(60)	OEM	Quotation/Order reference.



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OEM / SUPPLIER / SUPPLIER / AUTHORIZED DISTRIBUTOR DETAILS

Name of OEM of Supplier	Country	Name of Authorized Dealers	Address WITHOUT city, state, country, PIN/ZIP (Comma Separated)	City	State	Country	PIN/ZIP Code	All Phone Numbers (Multi line entry)	All Fax Numbers (multi line entry)	All email Addresses (multi line entry)	Kompass Control No	Certification Reference	Remarks
Char (50)	Char (30)	Char (50)	Char(100)	Char (30)	Char (20)	Char (30)	Char (7)	Char (15)	Char (15)	Char (40)	Char (9)	Char (30)	Char (120)
Not null	Not null		Not null	Not null	Not null	Not null	Not null	Not null	Not null				
Supplier													
Authorized Distributor													

Note: - "Not null" : should not be left blank.



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APPENDIX - 7

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 TYPE	MOUNT	PART NO	DIMENSIONS



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APPENDIX- 8

WEIGHT CONTROL DATA SHEET

EQUIPMENT DESCRIPTION		EQUIPMENT NO.	
COMPARTMENT		LOCATION	

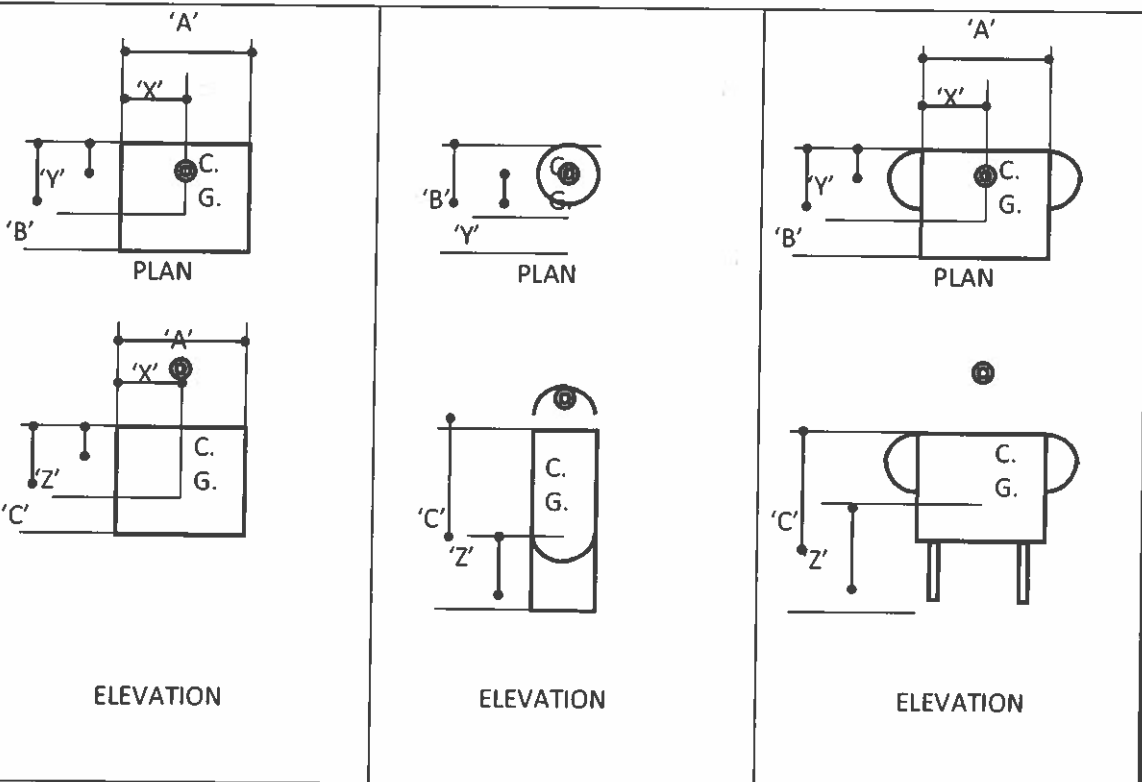
SWBD :

TOLERANCE PRELIMINARY DESIGN M.T.O WEIGHE D TOLERANCE + %
 E CODE RY EST. EST. (CALC)

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



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



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Dockyard Road, Mumbai -400 010.

DESIGN - L&Wh	T.S.P. NO.	P17A/5083
MDLYARDS-12651,12652,12653,12654 GRSE YARDS-3022,3023,3024	REV. NO.	3
	DATE	30/11/2023
TSP- UPPER AIR SOUNDING SYSTEM	PAGE	40 of 42

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



**MAZAGON DOCK
SHIPBUILDERS LTD.,**
(A Govt. Of India Undertaking)
Dockyard Road, Mumbai -400 010.

DESIGN - L&Wn
MDLY ARDS-12651,12652,12653,12654
GRSE YARDS-3022,3023,3024
TSP- UPPER AIR SOUNDING SYSTEM

T.S.P. NO.	P17A/5083
REV. NO.	3
DATE	30/11/2023
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APPENDIX - 9

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.

ORDER NO.

EQPT. NO.

METHOD OF WEIGHING:

Supplier shall prescribe Method & Equipment Used:

DATE OF LAST CALIBRATION

SPECIFIED
REQUIREMENT

ACCURACY

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:

WITNESSED BY
FOR SUPPLIER

FOR PURCHASER

Representative

Representative

Date:

Signature / Date & Seal

Signature/Date & Seal

APPENDIX-10



**MAZAGON DOCK
SHIPBUILDERS LTD.,**
(A Govt. Of India Undertaking)
Dockyard Road, Mumbai -400 010.

DESIGN - L&Wn
MDLYARDS-12651,12652,12653,12654
GRSE YARDS-3022,3023,3024
TSP- UPPER AIR SOUNDING SYSTEM

T.S.P. NO.	P17A/5083
REV. NO.	3
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MAIN AC SUPPLY VOLTAGE CHARACTERISTICS:

415V, 50Hz, 3Phase, 3Wire

CHARACTERISTIC	DESCRIPTION	VALUE
VOLTAGE	Normal Voltage	415V
	Load range tolerance	
	Line to line	± 5%
	Constant load tolerance	± 1%
	Single phase of 3 phase system	± 6%
	Maximum unbalance	2%
	Maximum modulation	2%
	Transients (excluding spikes)	
	Frequent transients	-10% to 6%
	Recovery time	0.5Sec
	Infrequent transients	-16% to +15%
	Recovery time	1Sec
WAVEFORM	Maximum Individual Harmonic	3%
	Maximum total harmonic	5%
FREQUENCY	Nominal frequency	50Hz
	Load range tolerance	± 2.5%
	Constant load tolerance	± 0.5%
	Modulation	0.25%
	Infrequent transients	± 10%
	Recovery time	2Sec



Tender Enquiry

Enclosure to Tender Enquiry: Part 'A': Tender Terms and Conditions
Tender No. 1700000510
Item: Upper Air Sounding System (UASS)
Project: P17A
Type of tender: Open Tender Enquiry for Indian Bidders

Section V - Annexure / Format

EMD Bank Guarantee Format

(On Non-Judicial stamp paper of value Rs. 500/- . However, the value of stamp paper to be confirmed from Legal Department, MDL.)

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

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

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

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

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

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

7. Notwithstanding anything contained herein above:

- i) Our liability under this guarantee shall not exceed Rs.....
- ii) This Bank Guarantee shall be valid upto and including; and



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iii) We are liable to pay the guarantee amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written claim or demand on or before(validity + ---weeks from the date of expiry of this guarantee).

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

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

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

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



Tender Enquiry

Enclosure to Tender Enquiry: Part 'A': Tender Terms and Conditions
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Project: P17A
Type of tender: Open Tender Enquiry for Indian 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.

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 |



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	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.



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- | | |
|----|---|
| 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 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



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		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.
(2)	If the bidder makes incorrect statement on this subject, he can be disqualified from the tender process or further action can be taken.

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.
-----	---

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



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	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:

	<p>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.</p> <p>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.</p>
--	---

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.”



Tender Enquiry

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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)



Tender Enquiry

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Annexure-A

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:	
	2.1.1	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.	



Tender Enquiry

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Annexure-B

GUIDELINES ON BANNING OF BUSINESS DEALINGS CONTENTS

Sr.	Description
1.	Introduction
2.	Scope
3.	Definitions
4.	Initiation of Banning / Suspension
5.	Suspension of Business Dealings
6.	Ground on which Banning of Business Dealing can be initiated
7.	Banning of Business Dealings
8.	Removal from List of Approved Agencies-Suppliers/ Contractors etc.
9.	Procedure for issuing Show-cause Notice
10.	Appeal against the Decision of the Competent Authority
11.	Review of the Decision by the Competent Authority
12.	Circulation of the names of Agencies with whom Business Dealings have been banned

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
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	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'.
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.



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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



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		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.
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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.



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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.



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Performance Security (PS) Bank Guarantee Format

(ILLUSTRATIVE FORMAT)

(On Non-Judicial stamp paper of value Rs. 500/-. However, the value of stamp paper to be confirmed from Legal Department, MDL.)

IN CONSIDERATION OF MAZAGON DOCK SHIPBUILDERS LIMITED, a company incorporated under the Companies Act 1956 and having its registered office at Dockyard Road, Mumbai 400010 (hereinafter referred to as the "the Purchaser" which expression shall, unless it be repugnant or contrary to the subject or context thereof, be deemed to mean and include its successors and assigns) having placed an order on Messers a partnership firm/sole proprietor business/a company registered under the Companies Act, 1956 having its office at(hereinafter called " the Contractor/ Supplier" which expression shall, unless it be repugnant or contrary to the subject or context thereof, be deemed to mean and include its successors and assigns) vide order No..... dated..... (hereinafter called "the order" which expression shall include any amendments/alterations to "the order" issued by "the Purchaser") for the supply , delivery at site, installation and commissioning of certain equipment, item/services/civil works etc. as stated in the said Order and the Purchaser having agreed with the Contractor/Supplier to accept a Bank Guarantee in lieu of Performance Security payable under the said order for the fulfillment and performance of the said order, We, Bank having office at (hereinafter referred to as "the Bank" which expression shall include its successors and assigns) hereby agree to pay to the Purchaser without any demur on first demand an amount not exceeding Rs..... (Rupees.....only) being 5% (10% in case of Capital Procurement) of the order value against any loss or damage, costs, charges and expenses caused to or suffered by the Purchaser by reason of non performance and non-fulfillment or for any breach on the part of the Contractor / Supplier of any of the terms and conditions of the said order.

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

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

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

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

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

7. Notwithstanding anything contained herein above:

- i) Our liability under this guarantee shall not exceed Rs.....
- ii) This Bank Guarantee shall be valid upto and including; and



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iii) We are liable to pay the guarantee amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written claim or demand on or before(validity + 60 days from the date of expiry of this guarantee).

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

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

For Bank
(by its constituted attorney)

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



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

Date: **Supplier's Seal:** **Authorized Signature of the Supplier:**

Certified that the particulars as per Serial Numbers 2, 7 to 11 are correct as per our records.

Date: **Bank's Stamp** **Authorized Signature of the Officer of the Bank.**

Note: Based on the Illustrative Format as above, the concerned Dealing Officer / HOD(C) may formulate / design the required forms / documents / tender enquiries / registers / STACS / proformas to suit to the requirements on case to case basis in line with the corresponding articles in Purchase Manual Volume-I.



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Details for Remittance towards EMD/PS

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

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

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

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

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

Signature of Vendor/Representative

3. **SAP Parked Document No:** _____ **Date:** _____

(To be filled in by MDL's Commercial Executive)

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



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Official Secret Act 1923 *(ILLUSTRATIVE FORMAT)*

SECTION 2(B) : "PROHIBITED PLACE"

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

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

SECTION 3 : "PENALTIES FOR SPYING"

If any per unlawfully -

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

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

SECTION 4 : "COMMUNICATION WITH FOREIGN AGENTS"

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

SECTION 5 : "WRONGFUL COMMUNICATION OF INFORMATION"

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

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

Shall be guilty of an offence under this Act.

SECTION 6 : "UNAUTHORISED USE OF UNIFORMS"

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

SECTION 7 : "INTERFERING WITH OFFICERS OF POLICE"

No person in the vicinity of any "PROHIBITED PLACE" shall abstract any Police Officer engaged on guard, sentry or similar duty. If any person move in the provisions of this section, shall be punishable with imprisonment, which may extend up to 3 years.

SECTION 8 : "DUTY OF GIVING INFORMATION"

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

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

SECTION 9 : "INCITEMENT"

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

SECTION 10 : "PENALTY FOR HARBOURING SPIES"

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

SECTION 11 : "SEARCH WARRANTS"



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

Note: Based on the Illustrative Format as above, the concerned Dealing Officer / HOD(C) may formulate / design the required forms / documents / tender enquiries / registers / STACS / proformas to suit to the requirements on case to case basis in line with the corresponding articles in Purchase Manual Volume-I.



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Format for Compliance Certificate w.r.t. Land Border Clause

Declaration of Compliance of Order (Public Procurement No.1, 2 & 3) dtd 23 Jul 2020 & 24 Jul 2020 on Restrictions under Rule 144 (xi) of the General Financial Rules (GFRs), 2017

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 Public Procurement No.1, 2 & 3) dtd 23 Jul 2020 & 24 Jul 2020 and OM No F.7/10/2021/-PPD(1) dated 23.02.2023 on Restrictions under Rule 144 (xi) of the General Financial Rules (GFRs), 2017 & prescribed tender conditions).

DECLARATION BY AUTHORISED SIGNATORY OF THE FIRM

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

- 1) The facts contained herein are within my own personal knowledge.
- 2) I have read the Order (Public Procurement No.1, 2 & 3) dtd 23 Jul 2020 & 24 Jul 2020 and OM No F.7/10/2021/-PPD(1) dated 23.02.2023 on the subject of Restrictions under Rule 144 (xi) of the General Financial Rules (GFRs), 2017 regarding restrictions on procurement from a bidder of a country which shares a land border with India and comply to all the provisions of the Order
- 3) I certify that M/s(name of bidder entity) **is not from such a country or, is from such a country** (strike out whichever is not applicable). I hereby certify that this SUPPLIER fulfills all requirements in this regard and is eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority is attached]
- 4) I understand that the submission of incorrect data and / or if certificate / declaration given by M/s(name of bidder entity) is found to be false, this would be a ground for immediate termination and further legal action in accordance with law as per Clause 12 of the Public Order on Restrictions under Rule 144 (xi) of the General Financial Rules (GFRs), 2017

AUTHORISED SIGNATURE: _____ **DATE:** _____

Seal / Stamp of Bidder



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Enclosure-A

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 THE CHIEF EXECUTIVE OR SENIOR MEMBER/PERSON WITH MANAGEMENT RESPONSIBILITY (CORPORATION, PARTNERSHIP OR INDIVIDUAL)

IN RESPECT OF BID/ TENDER No: _____

ISSUED BY: Mazagon Dock Shipbuilders Limited

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 understand that a bidder can seek benefit either Public Procurement Policy for MSEs –Order 2012 or Public Procurement (preference to Make in India) Order 2017 and/or both and once the option is declared / selected it is not permitted to be modified subsequently. Accordingly, I seek the benefit from the below declared purchase preference policy.



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i. I seek benefits against the following policy:

1) PPP MSE Order 2012 (Applicable for MSE manufacturers)

2) PPP MII 2017 (Applicable for Class I suppliers as well as MSE manufacturers)

(Note: If not declared / selected is shall be deemed that Purchase Preference benefit is sought under PPP MII 2017 policy.)

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

Tender Item Sr. No	Local content calculated as above %	Location of local value addition (Location shall be the specified as name of city or district, etc.)

Attach separate sheet duly signed if the space not sufficient.

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

Note 2: The Actual Local Content Certificate (to be provided at the time of PO placement), shall be mandatorily submitted by the successful bidder post execution of PO.

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

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

SIGNATURE: _____

DATE: _____

Seal / Stamp of Bidder



Tender Enquiry

Enclosure to Tender Enquiry: Part 'A': Tender Terms and Conditions
Tender No. 1700000510
Item: Upper Air Sounding System (UASS)
Project: P17A
Type of tender: Open Tender Enquiry for Indian Bidders

Enclosure-B

DECLARATION CERTIFICATE FOR LOCAL CONTENT **(Tender value More 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).

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

IN RESPECT OF BID/ TENDER No: _____

ISSUED BY: Mazagon Dock Shipbuilders Limited

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 understand that a bidder can seek benefit either Public Procurement Policy for MSEs –Order 2012 or Public Procurement (preference to Make in India) Order 2017 and/or both and once the option is declared / selected it is not permitted to be modified subsequently. Accordingly, I seek the benefit from the below declared purchase preference policy.



Tender Enquiry

Enclosure to Tender Enquiry: Part 'A': Tender Terms and Conditions
Tender No. 1700000510
Item: Upper Air Sounding System (UASS)
Project: P17A
Type of tender: Open Tender Enquiry for Indian Bidders

ii. I seek benefits against the following policy:

1) PPP MSE Order 2012 (Applicable for MSE manufacturers)

2) PPP MII 2017 (Applicable for Class I suppliers as well as MSE manufacturers)

(Note: If not declared / selected is shall be deemed that Purchase Preference benefit is sought under PPP MII 2017 policy.)

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

Tender Item Sr. No	Local content calculated as above %	Location of local value addition (Location shall be the specified as name of city or district, etc.)

Attach separate sheet duly signed if the space not sufficient.

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

Note 2: The Actual Local Content Certificate (to be provided at the time of PO placement), shall be mandatorily submitted by the successful bidder post execution of PO.

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

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

SIGNATURE: _____

DATE: _____

Seal / Stamp of Bidder