

COCHIN PORT TRUST

Name of Work: "Up-gradation of existing Vessel Traffic Management System (VTMS) of Cochin Port as per scope of work and Comprehensive Maintenance(AMC) of the System for the next 5 (five) years excluding warranty period of one year and 6 years for existing old equipments as mentioned in the BOQ".

Tender No.: DC/VTMS/2019 Dated 18/11/2019

AMENDMENT TO THE VARIOUS CLAUSES OF THE TENDER DOCUMENT.

On consequent clarifications issued to the quires raised by the various bidders during the pre-bid meeting held on 02.12.2019, the following amendments to the respective clauses of the tender document are hereby issued.

Sl No.	Section	Clause No.	Page No.	Para Heading	For	Read as
1	1	1 6 (a)	7 14	Project Sensor	4 th line - State-of-the-art 1 st line – dual polarization (H/C)	Replace with - Commercial- Off- The- Shelf (COTS) Replace with – Single polarization (horizontal)
2	3	3.1	17	General	4 th Line VHF State-of-the-art	Delete Commercial- Off- The- Shelf (COTS)
3	3	3.4.3	19	Work Experience criteria	15 th to 18 th Line Para The Tenderers should Respect of each work.	Replace with: The Tenderer can also upload notarized / self attested copies of FAT (Factory Acceptance Test), SAT (Site Acceptance Test) in respect of each work.
4	3	3.10	23	Part I, Technical bid (b) (last line of para)	The Bidder shall submit the integrity pact on a non judicial stamp paper of Rs. 200/-	Delete
5	4	4.4.4	37 & 38	Performance Security	8 th to 15 th line After completion of expiry of previous BG.	Replace with On completion of warranty period the contractor should also furnish a Bank Guarantee for AMC. Either 10% of the AMC cost for Maintenance contract and valid for 5(five) years till completion of Maintenance


						contract or a BG for 10% cost of the AMC for each year valid for 15 months. The BG furnished on each year shall be renewed yearly for the respective year's cost prior to expiry of previous BG. The original 10% BG furnished for project cost will be released only on receipt of 10% BG of Maintenance (AMC)
6	4	4.7	39	Care of Works	4 th & 6 th lines 'Equipments'	Replace with 'Spares'
7	4	4.31	49	Insurance equipments	of 3 rd and 4 th Line "and up to completion of warranty period"	Delete
8	6	6.1	52	The Scope of Work	7 th line Sensors:- c) 2 X-Band Radars dual Tx Rx 25 Kw down mast configuration dual polarization (H/C) 12' SWG antenna System with all relevant accessories. d) AIS Base System.	Replace with Sensors:- a) 2 No's of X-Band Radars dual Tx Rx 25 Kw down mast configuration single polarization (H) 12' SWG antenna System with all relevant accessories. b) AIS Base System.
9	6	6.2.1	56	General	1 st to 4 th line The present top of the Administrative building.	Replace with The present proposed system consists of 2 Nos of X-Band Radars dual Tx Rx 25 Kw down mast configuration single polarization (H) 12' SWG antenna System to cover the range of 22 Nautical miles. Oneradar shall be mounted on the existing 45 meters high galvanised M.S. lattice steel Tower at Puthuvypin and another will be on the top of the Administrative building at Willingdon Island.
10	6	6.2.2	56	Performance Requirement (b)	2 nd line Wind 3 to 1125 km/hr	Wind 3 to 112.5 km/hr

11	6	6.2.3	56	Target Types	1 st and 2 nd line The system "Standard Requirements".	Replace with: The system will have the following target types as defined in Table 8 of the IALA 1111 guideline
				Range	2 nd line PPSMB	Delete
12	6	6.2.4	57	Target Discrimination	Existing para and table	Replace The target separation and position accuracy will be as per IALA Guideline 1111
13	6	6.2.5	57	Tracking Performance	The tracking performance of the system shall be as defined in Table 5.3 of the IALA Recommendations V-128 Ed 3.0 for "Standard Requirements".	The tracking performance of the system shall be as defined in Table 22 of the IALA Guideline - 1111.
14	6	6.3.1	57	Radar Sensor System	4 th line State-of-the-art	Commercial- Off- The- Shelf (COTS)
			58		9 th and 10 th line Radar sensors will fully comply with type of radar sensor in accordance to Rec. IALA V-128 for target performance tracking, discrimination accuracy and reliability.	Radar sensors will fully comply with type of radar sensor in accordance to IALA guideline 1111 for target performance tracking, discrimination accuracy and reliability.
					Last 3 lines The 'RADAR' antennae prevailing in Cochin.	Delete
			59		7 th line Polarisation: horizontal, circular (H/C) polarization	Polarisation: horizontal, (H) polarization

15	6	6.3.2	60	AIS System Standards Compliance	4 th & 5 th line IEC62320-1, IEC61993-2, IEC60945, IEC60950, IEC61162-2, ETS301489-1, ITU-1371- 1.2, ITU-R.M.825-3	IEC62320-1:2015, ITU-R.M.1371-5
				Main Technical Features	11 th line to end of para SOTDMA (Self -Organising Time Division Multiple Access) AIS VHF data links	Delete.
			61 - 62	Technical Specifications	GNSS Specifications IEC 60945 Protected Environment.	Replace Latest specifications complying with IALA Guideline 1111.
16	6	6.15	75	VTS Database	14 th line to 18 th Line "Incident Management, Waste Management, Historic Data Overview, Report Generation, Online Help"	Delete
17	7	Form No. 7.2	83	EXPERIENCE RECORD	Last two lines Note: Copies to be enclosed.	Delete
18	8	Form 8.4	93	Insurance	2 nd Last line "the warranty period of one year"	Replace "Issue of taking-over certificate"
19	9	Form No. 9.1	95	SECTION – A (BOQ)	SI No. 1 Radar System: 'X' Band Radar of 12' dual polarisation, dual transreceiver (2x25Kw), Solid State including radar processor	'X' Band Radar of 12' single polarisation (Horizontal), Magnetron based with dual transreceiver (2x25Kw), including radar processor
					SI No. 2 AIS System: AIS base station with 'SOTDMA' Protocol (IMO) approved with all accessories.	AIS System: AIS base station complying with International Standards and shall use 'FATDMA' and 'RATDMA' with all accessories.

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20	9	Form No. 9.3	99	SECTION - C (Price Schedule for Services)	SI No. 2 5 th line AIS system	Delete
21	Annexure-2.3		113	PERFORMA OF B.G TOWARDS E.M.D	1 st line Para- C for a period of 148 days from	Replace for a period of 120 days from

 6/12/19.
DEPUTY CONSERVATOR