

Amendment- 2

Sub:O&M and CAMC of RIS phase I seven base stations and CAMC of RIS equipment on board 30 IWAI vessels-reg

IWAI tender ref. no. IWAI/HY/1(1)/RIS-I/2020-21/R dated 14.07.2021

CPP Portal Tender Ref : 2021-JMVP-638422 -1 & 2.

S. No.	Page No & Clause No.	Existing	Amended
01.	Page No 36, Cl No 2.4 – Qualification Requirements, Key Personnel	The Manager shall be V103/1 qualified and B. Tech / Diploma in Electronic & Communication / Electrical / Communication engineering duly trained by OEM covering necessary subject of VTS & AIS equipment and associated software.	<p>The manager shall be a degree holder in electronic & communication engineering duly trained by OEM covering necessary subject of VTS & AIS equipment and associated software.</p> <p>The Manager shall be V103/1 certificate holder or trained by IALA certificate holder.</p>
02.	Page No 36, Cl No 2.4 – Qualification Requirements, Key Personnel	Operator shall be Diploma Electronic & Communication /Electrical / Communication engineering or Ex. Petty Officer/ Chief Petty Officer (Radar Plotter I of Indian Navy and have undergone IALA VTS Operator Training V103/1 for the personnel monitoring the control station. (experience candidate is preferable)	<p>Operator shall be diploma holder in electronics & communication engineering or Ex. Petty Officer/ Chief Petty Officer (Radar Plotter I of Indian Navy and have undergone IALA VTS Operator Training V103/1 for the personnel monitoring the control station) or diploma holder in electronic and communication engineering who will be subsequently trained by a qualified IALA trainer / Engineer approved by the competent Authority</p> <p>The training as elaborated above is to be imparted within 1 month. The monthly payment for O&M will be considered only after the training has been imparted.</p>

03.	Page No 71, Section VII, Activity Schedule, CI 2	CAMC and O&M of 7 nos RIS Stations	CAMC and O&M of 7 nos RIS Stations The equipment shall be handed over in operational condition.
04.	Page No 77, Section VII, Compatibility / Interoperability with Other RIS System on NW1	<p>The National Waterway I (NW1) stretches from Allahabad to Haldia covering a distance of 1620 KM. RIS System from Haldia to Patna (in two stretches being executed by the two separate contractors- Phase I & II) is presently under implementation. It is envisaged that the entire stretch of waterway shall have seamless data information and also voice compatibility. In view of the above, successful bidder shall ensure for compatibility/interoperability in respect of AIS Messages (AIVDM Messages) and voice communication with the upcoming set up. AIS AIVDM message from Phase 2 & 3 shall be integrated for seamless display at operator stations of RIS Phase 1. IWA I shall provide 1 each TCP/IP data from Phase 2 & 3 at Kolkata / Farakka. Voice communication is envisaged. However, IWA I will ensure that protocol for the same needs to be shared by all parties</p> <p>The Authority shall strive to coordinate with all the contractors in achieving this objective.</p> <p>The bidder shall clearly describe his vision upon the seamless exchange of data between RIS phase I, II & III. This vision shall be worked out in detail so the information from and to the users on the river is not hindered by possible different systems between RIS Phase I, II & III. Proven concepts shall be preferred as solution. The vision of the bidder shall be given for now and to for a later time where maintenance of Phase I & II comes to an end. Specific attention should be given to the sending of messages to and from the shore by the operator. It should be possible to send messages</p>	<p>The National Waterway I (NW1) stretches from Allahabad to Haldia covering a distance of 1620 KM. RIS System from Haldia to Patna (in two stretches being executed by the two separate contractors- Phase I & II) is presently under implementation. It is envisaged that the entire stretch of waterway shall have seamless data information and also voice compatibility. In view of the above, Seamless integration of RIS –I, II & III displaying all the stations from Varanasi to Haldia should be ensured at RIS stations and web port of RIS-I. IWA I shall provide 1 each TCP/IP data from Phase 2 & 3 at Kolkata / Farakka.</p> <p>Seamless VHF Voice communication between RIS-I & RIS-II should be ensured.</p> <p>The Authority shall strive to coordinate with all the contractors in achieving this objective.</p> <p>The bidder shall clearly describe his vision upon the seamless exchange of data between RIS phase I, II & III. This vision shall be worked out in detail so the information from and to the users on the river is not hindered by possible different systems between RIS Phase I, II & III. Proven concepts shall be preferred as solution. The vision of the bidder shall be given for now and to for a later time where maintenance of Phase I & II comes to an end. Specific attention should be given to the sending of messages to and from the shore by the</p>

		to all ships in a stretch covering not only Phase 3 RIS but Phase I, II & III together. Sending binary messages using base stations of phase 2 and 3.	operator. It should be possible to send messages to all ships in a stretch covering not only Phase 3 RIS but Phase I, II & III together.
05.	Page No 109, Section IX, Special Conditions of Contract, GCC Cl 7.1 (j)	The contractor's engineer shall visit the sites, every month, for checking the health of the system and for carrying out the preventive maintenance. However, the breakdown maintenance shall be carried out immediately, but not later than 48 hours from the time of reporting.	Preventive maintenance visit shall be monthly basis for each RIS station and quarterly basis to Vessel stations in the following location: - (1) IWT terminal between Haldia & Farakka for RO Kolkata ; (2) Sahibganj, Patna & Varanasi for RO Patna (3) Other locations shall be informed to successful bidder
06.	Section II Bid Data Sheets, Cl 4.12	New Clause Added	Foreign bidders are allowed to participate on the prevailing National Competitive Bidding Terms and Conditions that apply to National Bidders. However, all the payments / instruments shall be in INR only.

All other terms and conditions remains unaltered.