

INLAND WATERWAYS AUTHORITY OF INDIA**(Ministry of Ports, Shipping & Waterways, Government of India)****A-13, Sector-1, Gautam Budh Nagar, NOIDA, U.P. -201301****Tel: (0120) 2527667, 2522969 Fax (0120) 2522969****Website: www.iwai.nic.in & <https://eprocure.gov.in/eprocure/app>****NOTICE INVITING E-TENDER****1. Introduction:**

Inland Waterways Authority of India (IWAI) invites online Tenders/Bids from reputed Consulting firms in two cover systems (Cover – I: Technical Bid and Cover – II: Financial Bid) for “**Monthly Longitudinal Thalweg Surveys (MLTS) in the National Waterways of Goa for a Period of Three Years during the Fair Weather Season (1st September-31st May): Chapora River (NW-25) – 25 km, Cumberjua River (NW-27) – 17 km, Mandovi River (NW-68) – 41 km, Mapusa–Moide River (NW-71) – 27 km and Zuari River (NW-111) – 50 km (Total Survey Length: 4,160 km).**”

Critical Data sheet:

Interested parties may download the Tender document online from the website <https://eprocure.gov.in/eprocure/app> and IWAI’s website “www.iwai.nic.in” and are advised to pay INR 2,950/- including GST (Rupees Two Thousand Nine hundred fifty only) as the cost of Bid document deposited to IWAI fund.

Document download start date	16.09.2026
Bid Submission Last Date	30.09.2026 up to 1500 hrs
Technical Bid Opening date	01.10.2026 at 1500 hrs
Financial Bid Opening date	To be intimated later
Cost of tender document	Rs 2500/- + 18 % GST = Rs 2,950/-

IWAI plans to *carry out the MONTHLY LONGITUDINAL THALWEG SURVEY in the following NWs.*

The details of Survey areas are as follows:

Goa:

S. No.	NW	Name of the River	EMD (in INR)
1.	NW-25	Chapora River	1,91,445
2.	NW-27	Cumberjua River	
3.	NW-68	Mandovi River	
4.	NW-71	Mapusa - Moide River	
5.	NW-111	Zuari River	

The detail scope of work shall be as below:

- a) The firm shall carry out Hydrographic Survey i.e. MLTS as per the requirement based on GIHS and International Hydrographic Organization (IHO) Special Publication (SP) 44, edition 2008 (https://www.iho.int/iho_pubs/standard/S-44_5E.pdf) for survey under Special Order as specified with full sea floor insonification. The MLTS Hydrographic survey is to be carried out by using Automated Hydrographic Survey System (using digital single/Multi beam Echo sounder for depth measurement and insonification, DGPS Beacons Receivers for position fixing and Hypack max or equivalent software for data logging). The survey is to be conducted on WGS-84 datum.
- b) The horizontal control is to be made from either one of the following methods: -
 - i.) Transfer of positions from GTS Bench Marks or position established at bridges, barrages, Railway Stations etc.
 - ii.) Using High precision RTK DGPS in fix mode using UHF Radio Modem with IHO accuracy standards, with minimum 8 hours observations at some permanent Platform/base.
 - iii.) DGPS receiving direct Satellite corrections or receiving DGPS corrections from Beacons.
- c) The vertical control is to be established with respect to the chart datum / sounding datum from the following methods
 - i.) Chart datum/ sounding datum already established by Port Authorities, Central Water Commission/ State Irrigation Department and at their gauge stations along the river/canal.
 - ii.) Standard method shall be adopted for transfer of datum in rivers. For tidal reaches standard transfer of datum as per Admiralty Manual shall be adopted.
- d) Other Terms of Reference for the survey work are as given below: -
 - i.) SURVEY CHART AND REPORT PREPARATION: The survey chart is to be prepared on a scale of 1: 25000 or as directed by EIC as per site condition.
 - ii.) The chart shall also be suitably updated with prominent land features from the Topo-sheets/site like HTL, Cross structures, Jetty, Lock gate etc.
 - iii.) After processing of data in all respect and after preparation of charts, Consultant has to prepare the LAD report and River Notice of waterway in respect of availability of depths, available in the stretch.
 - iv.) DATA SUBMISSION: All raw data and processed data of Automatic Hydrographic Survey System are required to be submitted along with bills and reports.

- v.) All position data of ground features, waterway are to be submitted in both hard copies and soft copies. The firm should have adequate inventory (in house/leased) of hydrographic survey equipment's (detailed list as a proof has to be enclosed/ specified) comprising of following:

Sl. No.	Details of Equipment	Required Quantity (in no.)	Proposed by bidder			Remarks
			Qty. (in no.)	Make	Serial Number of Equipment/ SW	
1	Echosounder: Single Beam Echosounder (SBES)/ Multi Beam Echosounder (MBES)	01				
2	DGPS	01				
3	HypackMax Software for SBES/ HYSWEEP for MBES (Acquisition & Processing)	01				
4	ATG/ Water level gauge	02				

- vi.) The detailed Terms of Reference (ToR) / scope of the work shall be as in the Section-VI of this document.

- vii.) Note: ATG shall be arranged as per specification mentioned in ToR.

2. Method of Selection:

Bidder will be selected under Least Cost Based Selection (LCS) and procedures described in this Tender document.

3. **Clarifications:** Clarification / Query, if any, on the tender document can be submitted to:

Hydrographic Chief,

Inland Waterways Authority of India,

(Ministry of Ports, Shipping and Waterways, Govt. of India)

A-13, Sector – 1, Noida-201301, U. P.

Tel. Nos. 0120 – 2527667

Fax No. 0120 – 2527667

E-Mail: hc.iwai@nic.in

Website: <http://www.iwai.nic.in>

IWAI reserves the right to accept or reject any or all Tenders without assigning any reason and no correspondence shall be entertained in this regard.

Hydrographic Chief

IWAI, Noida