

INLAND WATERWAYS AUTHORITY OF INDIA

(Ministry of Ports, Shipping & Waterways, Government of India)

A-13, Sector-1, Gautam Budh Nagar, NOIDA, U.P. -201301

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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 Survey (MLTS) in Maharashtra: NW.-10, NW-28, NW-83 & NW-85, NW-91 (Total: 4212 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.

Tender Document download start date	20.08.2026 at 1100 hrs
Bid Submission Last Date	05.09.2026 up to 1500 hrs
Technical Bid Opening date	07.09.2026 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:

Maharashtra:

S.No.	Name of the waterway	Name of the River	EMD (in INR)
1.	NW-10	River Amba (NW-10)- 21 km	2,37,111
2.	NW-28	Dabhol Creek- Vashisti River (NW-28)-21 km	
3.	NW-83	Rajpuri Creek (NW-83)-31 KM	
4.	NW-85	Revadanda Creek- Kundalika River(NW-85)-31 km	
5.	NW-91	River Shastri -Jaigad Creek(NW-91)-52 KM	

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 in sonification. 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 in sonification, 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	Hypack Max 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.) The employer may reduce/increase the scope of work or limit the Survey Area fully/ partially in any above mentioned National Waterways without ascertaining any reason. No extra claim shall be applicable for the changes made in the scope of work.
- viii.) The ATG shall be provided as per the specification given in ToR.
- ix.) The survey will be carried out during fair weather only as per guideline issued by MoPSW.(1st Sept-31st May)
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.

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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