



**Pre-Bid Clarification on Bidding Document for Tender No. IWAI-15017/28/2024-Hy for “Bank To Bank Detailed Hydrographic Survey in West Coast Canal along with Champakara & Udyogmandal Canal (NW-3)”- Pre-Bid held on 02.01.2025**

Sl. No.	Clause & Sub-Clause	Ref. Page Number	Clause/ Content of ITB	Clarification Sought	Response by IWAI
1.	Section VII, 2.3	51	2.3.Horizontal Control i) The BM Pillar (origin of survey) to be connected with nearest GTS Bench Mark by DGPS Baseline and by Fly Levelling with Digital level.	i) How far GTS bench mark is available from the survey stretch. Who will provide the (x,y,z) value of GTS bench mark.	RO Kochi will provide the BM pillar value.
2.	Section VII,2. 4.1 i)	51	2.4.1 Water Level Gauges i) Water level gauges are to be erected at every 10 km interval along the canal/river. The gauges should not be disturbed for entire duration of survey. ii) Reading at all the gauges in a stretch to be taken simultaneously for entire duration (as mentioned in Table 3.1.1 below) of bathymetric survey. Readings are to be taken at 1 hr interval from 0600 hours to 1800 hours. If survey is commenced before 0600 hours, the reading is to be taken 15 minutes before commencement of survey time. Similarly, if survey of a day is ending after 1800 hours, reading shall be taken up to the completion of survey. Low and High water level time and gauge reading during 0600 hours to 1800 hours is also to be recorded specifically.	i) Specification for erection of gauge is not mentioned in the Tender. Please clarify.  ii) Please clarify the reading should be taken simultaneously on entire location or only on that stretch where survey is in progress.	(i) Staff gauges (either wooden made or metallic) are appropriate for water level measurement.  (ii) Reading should be taken only on that stretch where survey is in progress.
3.	Section VII, 2.5	52	2.5. Scale and Limit of Survey Starting and End position Kottapuram (10 11 38.32 N, 094 12 37.7808 E) to Kollam (08 54 4.6151 N, 094 12 37.7808 E),	The coordinate is incorrect please provide the correct coordinate. Please provide the location & dimension for topographical survey at port, terminal & jetties. In bank	Kottapuram (10d 11’ 38.32” N, 076d 12’ 37.7808” E) to Kollam (08d 54’ 6.5651” N, 076d 35’ 19.7808” E), Champakara Canal from

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			Champakara Canal from IG Bridge 09 55 54.1115 N, 094 17 41.848 E) to Ambalamughal (09 58 23.7888 N, 094 17 41.848 E) & Udyogmandal Canal from Ernakulam Boat Jetty (09 58 5.3748 N, 094 16 40.3314 E) to Pathalam Road Bridge (10 04 57.5877 N, 094 19 10.375 E) In addition, Topographic survey is to be carried out for existing Ports, Terminals and Jetties, on both the banks. Topographic survey is to be carried out for Islands.	to bank survey, the bathymetry will be done at water covered area but at dry portion on bank how much topography survey will be done, please clarify.	(09d 58'18.1115" N, 076d 15' 10.59" E) to Ambalamughal (09d 58' 28.84" N, 076d 21' 31.72" E) & Udyogmandal Canal from Ernakulam Boat Jetty (09d 58 18'.11" N, 076d 15' 1.32" E) to Pathalam Road Bridge (10d 04' 52.82" N, 076d 19' 2.84" E).
4.	ITB 6.3	Page-27 of 155	INR 20,69,235 Bank Solvency certificate should not be older than one (1) year from the Bid submission last date from a nationalized/scheduled bank in last date from a nationalized/scheduled bank in India.	The EMD, Tender fee and Experience are exempted for Startup/MSME, is it possible to provide exception for Bank Solvency.	Tender condition prevails
<b>Technical Queries :</b>					
5.	N.A.	N.A.	N.A.	1. What is the maximum limit of width, should be covered all the portions including the lakes regardless of the space	Entire bank to bank to be covered in all Canal.
6.	N.A.	N.A.	N.A.	2. To conduct Rtk DGPS what is the regularity of points per sq kms	Regularity of points per sq kms has to be collected based on the scale as per tender document.
7.	N.A.	N.A.	N.A.	3.What is the maximum water velocity readings time interval	Tender condition prevails as per Section-VII, clause 2.8
8.	N.A.	N.A.	N.A.	4. Calculated distance of the routes consolidates 205 km sor for 230 km is there any additional routes or extentions along the routes	At present West Coast Canal (Kottapuram to Kollam) is 181km, Champakara Canal (23.9 kms.) (Kochi-Ambalamuga) 1 and Udyogmandal Canal (24.9 kms.) (Cochin Port-Patalam) are considered.

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9.	N.A.	N.A.	N.A.	5. Should we C.D. Value Collected O.N. Own or will be provided?	IWAI will provide the CD value.
10.	N.A.	N.A.	N.A.	6. Navigational channel dimension 45mx2m,45mx2.5m,45mx3m needs a complete description on it	Class-III Navigational channel dimension has to be followed.
11.	N.A.	N.A.	N.A.	7. Is there an maximum limit for island topo we can neglect due to large size	Topographic survey is to be carried out for existing Terminals and Jetties on both the banks.
12.	N.A.	N.A.	N.A.	8. Water level gauge reading time duration and interval	Readings are to be taken at 15-minute interval from 0600 hours to 1800 hours. at each 10 Km interval. The correction may be applied at 5 km interval on either side of obtained staff gauge readings.
13.	N.A.	N.A.	N.A.	9. In case if we use a multi beam can we neglect the longitudinal lines numbers for the cross sectional limit in case?	Soundings should be available across the Canal for all C/s line based on the scale as per tender document.

  
 (Ajoy Kar)  
 Sr. Accounts Officer


  
 (R. Venkatesan)  
 Sr. Hydrographic Surveyor


  
 (Mayank Kumar)  
 Director & RE


**Amendment of Tender documents for “Bank To Bank Detailed Hydrographic Survey in West Coast Canal along with Champakara & Udyogmandal Canal (NW-3)”**

**Tender No. IWAI-15017/28/2024-Hy**

<b>Sl. No.</b>	<b>Clause &amp; Sub-Clause</b>	<b>Existing Text</b>	<b>To be Read as</b>
1.	Para 1.1	Ministry of Shipping	Ministry of Ports, shipping and Waterways
2.	Para 2.2. ii) and v)	The bench mark	The bench mark pillar
3.	Para 2.4.1. ii)	1 hr	15 minutes
4.	Sec-VII Para 2.5.	Scale- 1:10000 and line spacing 150 meters	Scale of Survey 1:2,500 with 100 m c/s line spacing where width of the waterway is less than 100 m. (Allepy-Kollam, Champakara Canal, Udyogmandal Canal) Scale of Survey 1:5,000 with 150 m c/s line spacing where width of the waterway is more than 100 m.
5.	Para 2.11. iv	Spot level values are to be indicated w.r.t. Mean Sea Level (MSL) up to three decimal places & Soundings w.r.t. Chart Datum / Sounding Datum. Charts which are to be prepared w.r.t. MSL (soundings also) shall also be plotted up to three decimal places.	Charts are to be prepared as (i) Spot level values w.r.t. Mean Sea Level (MSL) up to three decimal places & Soundings w.r.t. Chart Datum / Sounding Datum and (ii) Spot level values & Soundings w.r.t. Chart Datum / Sounding Datum.
6.	Para 3.1.1.	Time schedule: 50 days	60 days
7.	In para 2.4.2.ii) Farakka Barrage may be deleted		
8.	<b>All other terms &amp; Conditions of the Tender documents remains Un-altered</b>		

  
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