

Subject : Tender for “Bank to Bank Detailed Hydrographic Survey on National Waterway No. 1” - Pre bid minutes

Reference : TENDER NO. IN-IWAI-318286-NC-RFB

CPP Portal Tender ID : 2022_JMVP_717300_1,2,3

Amendment-1 Triggered due to Pre-Bid responses

S.no.	Clause No. & Page No.	Existing	Amended
1.	Section VII 2., Page no. 78	<p>The objective of the contract is to conduct Bank to Bank Detailed Hydrographic Survey of National Waterway-1 from Tribeni to Varanasi in three stretches:</p> <p>I. <u>SCHEDULE 'A': Stretch 1 [Tribeni (193 km) to Farakka Lock Gate (544 km)]</u></p> <p>II. <u>SCHEDULE 'B': Stretch 2 [(Farakka Lock Gate (544 km) to Patna (955 km)]</u></p> <p>III. <u>SCHEDULE 'C': Stretch 3 [Patna (955 km) to Varanasi (1319 km)]</u></p>	<p>The objective of the contract is to conduct Bank to Bank Detailed Hydrographic Survey of National Waterway-1 from Tribeni to Varanasi in three stretches:</p> <p>I. SCHEDULE 'A': Stretch 1 {Tribeni [Ch. 193 km (Latitude 22°59'0.76" N, Longitude 088°24'16.09" E)] to Farakka Lock Gate [Ch. 544 km (Latitude 24°48'54.76"N, Longitude 087°54'17.02"E) and (Latitude 24°48'8.73"N, Longitude 087°55'17.38"E)]}</p> <p>II. SCHEDULE 'B': Stretch 2 {Farakka Lock Gate [Ch. 544 km (Latitude 24°48'39.32"N, Longitude 087°55'47.10"E) and (Latitude 24°48'54.76"N, Longitude 087°54'17.02"E)] to Patna [Ch. 955 km (Latitude 25°37'0.98"N, Longitude 085°12'16.27"E)]}</p> <p>III. SCHEDULE 'C': Stretch 3 {Patna [Ch. 955 km (Latitude 25°37'0.98"N, Longitude 085°12'16.27"E)] to Varanasi [Ch. 1319 km (Latitude 25°14'47.03"N, Longitude 83°01'48.68"E)]}</p>
2.	Section VII 2.2 i), Page no. 79	<p>Benchmark Pillars i) Construct Benchmark Pillars of dimension 0.3m x 0.3m x1.5m (0.6m above GL) RCC pillar with 6mm thick 50mm dia. GI pipe inserted (as per construction drawing of Survey Pillar in the tender document), at every 10km interval of river/canal length and also at 500m upstream and 500m downstream of Locks, Sluice gates, Barrages, Dams, Tributaries etc. Minimum Benchmark Pillars to be constructed in following Schedules:</p> <p>i. Tribeni-Farakka: 42 nos.</p> <p>ii. Farakka-Patna: 49 nos.</p> <p>iii. Patna-Varanasi: 50 nos.</p>	<p>Benchmark Pillars i) Construct Benchmark Pillars of dimension 0.3m x 0.3m x1.5m (0.6m above GL) RCC pillar with 6mm thick 50mm dia. GI pipe inserted, at every 10km interval of river/canal length and also at 500m upstream and 500m downstream of Locks, Sluice gates, Barrages, Dams, Tributaries etc. Minimum Benchmark Pillars to be constructed in following Schedules:</p> <p>i. Tribeni-Farakka: 42 nos.</p> <p>ii. Farakka-Patna: 49 nos.</p> <p>iii. Patna-Varanasi: 50 nos.</p> <p>Construction drawing of Survey Pillar is attached at <u>Annex-1</u>.</p>
3.	Section VII 2.2 ii), Page no. 79	<p>The bench mark needs to be established at place which is preferably close to motorable road and above HFL.</p>	<p>The bench mark needs to be established at place which is preferably close to motorable road, close to navigable channel and above HFL.</p>
4.	Section VII 2.3 v), Page no. 80	<p>The Topographic survey has to be carried out with the help of RTK DGPS or LIDAR. Minimum five numbers of Ground Control Points (GCP) are to be established in a one sq.km area and data is to be submitted. The Topographic survey has to be carried out with the help of RTK DGPS or LIDAR (Ground / Drone / Airborne), however, all the permissions shall be taken by the Contractor from the concerned authorities.</p>	<p>The Topographic survey has to be carried out with the help of RTK DGPS or LIDAR. Ground Control Points (GCP) are to be established at a minimum grid of 1 Km X 1 KM. The Topographic survey has to be carried out with the help of RTK DGPS or LIDAR (Ground / Drone / Airborne), however, all the permissions shall be taken by the Contractor from the concerned authorities.</p>

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5.	Section VII 2.4.1 vi), Page no. 80	The Photographs are to taken at each site with date and time of photographs for confirmation of tide reading in day time.	The Photographs are to be taken at site daily at 04 hours interval for confirmation of tide reading.
6.	Section VII 2.11 iii), Page no. 84	Contours of 0m, 1m, 2m, 3 m, 4m, 5m and 10 m are to be indicated on the charts with respect to Chart Datum / Sounding Datum. Soundings are also to be reduced w.r.t. MSL and charts are to be prepared w.r.t. MSL.	Contours of 0m, 1m, 2m, 3m, 4m, 5m and 10 m are to be indicated on the charts with respect to Chart Datum / Sounding Datum. Soundings are also to be reduced w.r.t. MSL and charts are to be prepared as follows: (i) Soundings w.r.t. CD/SD and Topo levels w.r.t. MSL and contours are to be drawn only for Soundings. (ii) Soundings and Topo levels both in MSL and contours are to be drawn for both Soundings and topo levels. Contours at 2m interval are to be drawn.

All other terms and conditions of the Tender shall remain unaltered.

