

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

Reference : TENDER NO. IN-IWAI-255694-NC-RFB

CPP Portal Tender ID : 2021_JMVP_661052_3 (Schedule-C for Patna - Varanasi stretch)

Amendment-1

S. No.	Page No & Clause No.	Existing	Amended
01.	Clause 2.4, Qualification Requirements, Experience, Page No. 36	<p>Experience:</p> <p>..... For this purpose, the “Similar Works” means, Works successfully completed on Detailed Hydrographic Survey in any area.</p>	<p>Experience:</p> <p>..... For this purpose, the “Similar Works” means, Works successfully completed on Detailed Hydrographic Survey in any area.</p> <p>Similar Works completed anywhere shall be considered.</p>
02.	Qualification Informations, Clause 1.3, Page No. 48-49	<p>Services performed as prime Service Provider (in the same name and style) on the provision of Services of a similar nature and volume over the last five years. The values should be indicated in the same currency used for Item 1.2 above. Also list details of Services under way or committed, including expected completion date. [Attach certificate from the Engineer-in-charge.]</p> <p>Services performed as prime Service Provider (in the same name and style) on providing services of a similar nature and volume over the last five years . [Attach certificate from the Engineer-in-charge.]</p> <p>B) Activities executed as prime Service Provider (in the same name and style) in the last five years.</p>	<p>Services performed as prime Service Provider (in the same name and style) on the provision of Services of a similar nature and volume over the last seven years. The values should be indicated in the same currency used for Item 1.2 above. Also list details of Services under way or committed, including expected completion date. [Attach certificate from the Engineer-in-charge.]</p> <p>Services performed as prime Service Provider (in the same name and style) on providing services of a similar nature and volume over the last seven years . [Attach certificate from the Engineer-in-charge.]</p> <p>B) Activities executed as prime Service Provider (in the same name and style) in the last seven years.</p>

03.	Clause 1.3 (i), Bench Mark Pillars, Page No. 70,	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.	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: Tribeni-Farakka: Deleted Farakka-Patna: 49 nos. Patna-Varanasi: 50 nos.
04.	Clause 1.3 (iii), Bench Mark Pillars, Page No. 70	Other than construction of above BM Pillars, all other available survey pillars within the survey area shall also be fixed for position and vertical values.	Other than construction of above BM Pillars, all other available survey pillars within the survey area shall also be fixed for position and vertical values. (i) BM pillars are to be constructed as per amended Clause 1.3 (i) at SL#3 above. (ii) Additionally, all other available survey pillars within the survey area shall also be fixed for position and vertical values.
05.	Clause 1.4 (v), Horizontal Control, Page No. 71,	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. 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.
06.	Clause 1.5.1, Water Level Gauges, Page Nos 71-72	1.5.1 Water Level Gauges i) Water level gauges are to be erected at every 10 km interval along the canal/river and also at 500m upstream and 500m downstream of	1.5.1 Water Level Gauges i) Water level gauges are to be erected at every 10 km interval along the canal/river and also at 500m upstream and 500m downstream of Locks, Sluice gates, Barrages, Dams, Tributaries

		Locks, Sluice gates, Barrages, Dams, Tributaries etc. The gauges should not be disturbed for entire duration of survey.	etc. The gauges should not be disturbed for entire duration of survey. Minimum Water Level Gauges to be erected in following Schedules: Tribeni-Farakka: 42 nos. Farakka-Patna: 49 nos. Patna-Varanasi: 50 nos.																																											
07.	Clause 1.6, Scale and Limit of Survey, Schedule 'A' and 'B', Page No. 72-73		Schedule A is deleted																																											
08.	Clause 1.6, Scale and Limit of Survey, Schedule 'A' and 'B', Page No. 72-73	<table border="1"> <thead> <tr> <th>#</th> <th>River / Canal Stretch</th> <th>Stretch Description</th> <th>Scale of Survey and Cross-Sectional Line spacing</th> <th>Limits of Survey / Width of survey</th> <th>Approx. Length of Stretch (km)</th> </tr> </thead> <tbody> <tr> <td rowspan="3">1</td> <td rowspan="3">SCHEDULE 'A': Stretch 1 (Tribeni to Farakka)</td> <td>Tribeni to Jangipur Barrage (up to Feeder Canal) (Bhagirathi – Hooghly river)</td> <td>1:30,000 Line Spacing 150 mtr</td> <td rowspan="3">i) Bank to Bank detailed hydrographic survey (both bathymetric and topographic) including secondary channels and Islands. Topographic survey is to be carried out on both the banks</td> <td rowspan="3">351</td> </tr> <tr> <td>Jangipur Barrage to Farakka (Feeder Canal)</td> <td>1:20,000 Line Spacing 100 mtr</td> </tr> <tr> <td>17 Terminals</td> <td>1 :5,000</td> </tr> </tbody> </table>	#	River / Canal Stretch	Stretch Description	Scale of Survey and Cross-Sectional Line spacing	Limits of Survey / Width of survey	Approx. Length of Stretch (km)	1	SCHEDULE 'A': Stretch 1 (Tribeni to Farakka)	Tribeni to Jangipur Barrage (up to Feeder Canal) (Bhagirathi – Hooghly river)	1:30,000 Line Spacing 150 mtr	i) Bank to Bank detailed hydrographic survey (both bathymetric and topographic) including secondary channels and Islands. Topographic survey is to be carried out on both the banks	351	Jangipur Barrage to Farakka (Feeder Canal)	1:20,000 Line Spacing 100 mtr	17 Terminals	1 :5,000	<table border="1"> <thead> <tr> <th>#</th> <th>River / Canal Stretch</th> <th>Stretch Description</th> <th>Scale of Survey and Cross-Sectional Line spacing</th> <th>Limits of Survey / Width of survey</th> <th>Approx. Length of Stretch (km)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>SCHEDULE 'A': Stretch 1 (Tribeni to Farakka)</td> <td colspan="4">Deleted</td> </tr> <tr> <td>2</td> <td rowspan="2">SCHEDULE 'B': Stretch 2 (Farakka to Patna)</td> <td>Farakka to Patna (River Ganga)</td> <td>1:30,000 Line Spacing 150 mtr</td> <td rowspan="2">Bank to Bank detailed hydrographic survey (both bathymetric and topographic) including secondary channels and Islands. Topographic survey is to be carried out on both the banks and Islands up</td> <td rowspan="2">411</td> </tr> <tr> <td></td> <td>20 Terminals</td> <td>Deleted</td> </tr> <tr> <td>3</td> <td>SCHEDULE 'C': Stretch 3</td> <td>Patna to Varanasi</td> <td>1:30,000 Line</td> <td></td> <td>364</td> </tr> </tbody> </table>	#	River / Canal Stretch	Stretch Description	Scale of Survey and Cross-Sectional Line spacing	Limits of Survey / Width of survey	Approx. Length of Stretch (km)	1	SCHEDULE 'A': Stretch 1 (Tribeni to Farakka)	Deleted				2	SCHEDULE 'B': Stretch 2 (Farakka to Patna)	Farakka to Patna (River Ganga)	1:30,000 Line Spacing 150 mtr	Bank to Bank detailed hydrographic survey (both bathymetric and topographic) including secondary channels and Islands. Topographic survey is to be carried out on both the banks and Islands up	411		20 Terminals	Deleted	3	SCHEDULE 'C': Stretch 3	Patna to Varanasi	1:30,000 Line		364
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09	Clause 1.9, Terminal Survey, Page No 74-75	<p>Terminal Survey: Bathymetric survey as per specified scale is to be carried out from bank to bank for one km (500 m u/s and 500m d/s from centre of the terminal) length of the river / canal. Topographic Survey for 200m width on bank of the terminal is to be carried out as per specified scale for one km (500 m u/s and 500m d/s from centre of the terminal) length of the river / canal.</p> <table border="1"> <thead> <tr> <th>S#</th> <th>Location</th> <th>Ch. (km)</th> </tr> </thead> <tbody> <tr> <td colspan="3">SCHEDULE 'A': Stretch 1 (Tribeni to Farakka)</td> </tr> <tr> <td>1</td> <td>Tribeni</td> <td>194.000</td> </tr> <tr> <td>2</td> <td>BTPS Bandel</td> <td>194.200</td> </tr> <tr> <td>3</td> <td>Shantipur</td> <td>240.200</td> </tr> <tr> <td>4</td> <td>Kalna</td> <td>241.700</td> </tr> <tr> <td>5</td> <td>Nabadweep</td> <td>277.300</td> </tr> <tr> <td>6</td> <td>Swaroopganj</td> <td>280.300</td> </tr> <tr> <td>7</td> <td>Dainhat</td> <td>339.100</td> </tr> </tbody> </table>							S#	Location	Ch. (km)	SCHEDULE 'A': Stretch 1 (Tribeni to Farakka)			1	Tribeni	194.000	2	BTPS Bandel	194.200	3	Shantipur	240.200	4	Kalna	241.700	5	Nabadweep	277.300	6	Swaroopganj	280.300	7	Dainhat	339.100	This Clause is deleted from the Scope of Work.				
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8	Matlari	339.200
9	Katwa	345.200
10	Ballavpara	345.600
11	Palasi	371.600
12	Ramnagar	371.700
13	Maganpara	378.400
14	Narkelbari	380.200
15	Berhampore	422.600
16	Hazarduari	432.400
17	D/s Farakka	543.900
S#	Location	Ch. (km)
SCHEDULE 'B': Stretch 2 (Farakka to Patna)		
1	U/s Farakka	544.800
2	Manikchak	579.000
3	Singhidalan (Rajmahal)	582.800
4	Manglaghat (Rajmahal)	588.000
5	Samdaghat (Sahibganj)	607.000
6	Manihari	632.800
7	Karagola	660.100
8	Bateshwarsthan	682.700
9	Kahalgaon	689.900
10	Tintanga	696.200
11	Barari (Bhagalpur)	711.200
12	Aguani (Shahabad)	742.100
13	Sultanganj	747.100
14	Munger	793.000
15	Simariya	851.000
16	Hathidah	851.000
17	Barh	891.100
18	Athmal Gola (Bakhtiyarpur)	899.500
19	Hasanpur	919.200
20	Kachi Dargah/ Fatuha	946.200

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SCHEDULE 'C': Stretch 3 (Patna to Varanasi)		
1	Kalughat(Saran)	965.900
2	Digha/Danapur	969.100
3	Doriganj	1000.000
4	Revelganj/JaiprakashNagar	1028.000
5	Maujampur (Ara)	1034.000
6	Majhoua (Ballia)	1060.000
7	Kanspur (Ballia)	1091.700
8	Buxar	1122.400
9	Bharauli (Ballia)	1122.400
10	Sarai Kota (Ballia)	1127.800
11	Dungurpur	1170.200
12	Ghazipur	1176.500
13	Zamania	1204.600
14	Chochakpur	1227.100
15	Saidpur	1254.600
16	Kaithy	1265.600
17	BaluaGhat	1281.400
18	Rajghat (Varanasi)	1308.100
19	AssiGhat (Varanasi)	1313.700
20	Samneghat (Varanasi)	1315.900
21	Ramnagar (Varanasi)	1318.000
10	Section – VII- Activity Schedule (Scope of Work), Clause No 1 (I)	Schedule “A” i.e. Tribeni – Farakka stretch is deleted from the scope of work.

11	Section III - Evaluation and Qualification Criteria, Clause B. 2.4 (Page 36)	<p>Qualification Requirements - Annual Volume</p> <p>The minimum required annual volume of Services for the successful Bidder in average of the last five years shall be:</p> <table border="1" data-bbox="427 328 1301 528"> <thead> <tr> <th></th> <th>For Schedule A (in ₹)</th> <th>For Schedule B (in ₹)</th> <th>For Schedule C (in ₹)</th> <th>For multiple Schedules (in ₹.)</th> </tr> </thead> <tbody> <tr> <td>Annual Turnover</td> <td>43 Lacs</td> <td>147 Lacs</td> <td>85 Lacs</td> <td>Sum of bidding Schedules</td> </tr> </tbody> </table>		For Schedule A (in ₹)	For Schedule B (in ₹)	For Schedule C (in ₹)	For multiple Schedules (in ₹.)	Annual Turnover	43 Lacs	147 Lacs	85 Lacs	Sum of bidding Schedules	<p>Qualification Requirements - Annual Volume</p> <p>The minimum required annual volume of Services for the successful Bidder in average of the last five years shall be:</p> <table border="1" data-bbox="1328 328 2114 528"> <thead> <tr> <th></th> <th>For Schedule A (in ₹)</th> <th>For Schedule B (in ₹)</th> <th>For Schedule C (in ₹)</th> <th>For multiple Schedules (in ₹.)</th> </tr> </thead> <tbody> <tr> <td>Annual Turnover</td> <td>Deleted</td> <td>137 Lacs</td> <td>79 Lacs</td> <td>Sum of bidding Schedules</td> </tr> </tbody> </table>		For Schedule A (in ₹)	For Schedule B (in ₹)	For Schedule C (in ₹)	For multiple Schedules (in ₹.)	Annual Turnover	Deleted	137 Lacs	79 Lacs	Sum of bidding Schedules																				
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12	Section III - Evaluation and Qualification Criteria, Clause B. 2.4 (Page 36)	<p>Qualification Requirements - Experience</p> <p>The experience required to be demonstrated by the Bidder should include as a minimum that he has executed during the last 7 years the following:</p> <table border="1" data-bbox="506 643 1223 999"> <thead> <tr> <th></th> <th>1 similar work (in ₹)</th> <th>2 similar works (in ₹)</th> <th>3 similar works (in ₹)</th> </tr> </thead> <tbody> <tr> <td>Schedule A</td> <td>85 Lacs</td> <td>53 Lacs</td> <td>43 Lacs</td> </tr> <tr> <td>Schedule B</td> <td>294 Lacs</td> <td>183 Lacs</td> <td>147 Lacs</td> </tr> <tr> <td>Schedule C</td> <td>170 Lacs</td> <td>106 Lacs</td> <td>85 Lacs</td> </tr> <tr> <td>For multiple Schedules</td> <td>Sum of bidding Schedules</td> <td>Sum of bidding Schedules</td> <td>Sum of bidding Schedules</td> </tr> </tbody> </table> <p>the bidder should provide documentary evidence (i.e. work order(s) and completion certificate issued by the client on their letterhead) to support his claim for the works mentioned above</p> <p>For this purpose, the “Similar Works” means, Works successfully completed on Detailed Hydrographic Survey in any area.</p>		1 similar work (in ₹)	2 similar works (in ₹)	3 similar works (in ₹)	Schedule A	85 Lacs	53 Lacs	43 Lacs	Schedule B	294 Lacs	183 Lacs	147 Lacs	Schedule C	170 Lacs	106 Lacs	85 Lacs	For multiple Schedules	Sum of bidding Schedules	Sum of bidding Schedules	Sum of bidding Schedules	<p>Qualification Requirements - Experience</p> <p>The experience required to be demonstrated by the Bidder should include as a minimum that he has executed during the last 7 years the following:</p> <table border="1" data-bbox="1361 679 2085 1031"> <thead> <tr> <th></th> <th>1 similar work (in ₹)</th> <th>2 similar works (in ₹)</th> <th>3 similar works (in ₹)</th> </tr> </thead> <tbody> <tr> <td>Schedule A</td> <td colspan="3">Deleted from scope of work</td> </tr> <tr> <td>Schedule B</td> <td>273 Lacs</td> <td>171 Lacs</td> <td>137 Lacs</td> </tr> <tr> <td>Schedule C</td> <td>158 Lacs</td> <td>99 Lacs</td> <td>79 Lacs</td> </tr> <tr> <td>For multiple Schedules</td> <td>Sum of bidding Schedules</td> <td>Sum of bidding Schedules</td> <td>Sum of bidding Schedules</td> </tr> </tbody> </table> <p>the bidder should provide documentary evidence (i.e. work order(s) and completion certificate issued by the client on their letter head) to support his claim for the works mentioned above</p> <p>For this purpose, the “Similar Works” means, Works successfully completed on Detailed Hydrographic Survey in any area.</p>		1 similar work (in ₹)	2 similar works (in ₹)	3 similar works (in ₹)	Schedule A	Deleted from scope of work			Schedule B	273 Lacs	171 Lacs	137 Lacs	Schedule C	158 Lacs	99 Lacs	79 Lacs	For multiple Schedules	Sum of bidding Schedules	Sum of bidding Schedules	Sum of bidding Schedules
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13	Section III - Evaluation and Qualification Criteria, Clause B. 2.4 (Page 38)	<p>Liquid Assets The minimum amount of liquid assets and/or credit facilities net of other contractual commitments of the successful Bidder shall be:</p> <table border="1" data-bbox="427 328 1301 488"> <thead> <tr> <th></th> <th>For Schedule-A (In ₹)</th> <th>For Schedule B (in ₹)</th> <th>For Schedule C (in ₹)</th> <th>For multiple Schedules (in ₹)</th> </tr> </thead> <tbody> <tr> <td>Solvency</td> <td>43 Lacs</td> <td>147 Lacs</td> <td>85 Lacs</td> <td>Sum of bidding Schedules</td> </tr> </tbody> </table>		For Schedule-A (In ₹)	For Schedule B (in ₹)	For Schedule C (in ₹)	For multiple Schedules (in ₹)	Solvency	43 Lacs	147 Lacs	85 Lacs	Sum of bidding Schedules	<p>Bank Solvency The minimum amount of Bank Solvency shall be:</p> <table border="1" data-bbox="1332 292 2114 480"> <thead> <tr> <th></th> <th>For Schedule-A (In ₹)</th> <th>For Schedule B (in ₹)</th> <th>For Schedule C (in ₹)</th> <th>For multiple Schedules (in ₹)</th> </tr> </thead> <tbody> <tr> <td>Bank solvency</td> <td>Deleted</td> <td>137 Lacs</td> <td>79 Lacs</td> <td>Sum of bidding Schedules</td> </tr> </tbody> </table> <p>The Bidder shall submit Bank Solvency certificate from a nationalized / scheduled bank in India for a minimum amount as mentioned above. The Bank Solvency certificate submitted by the Bidder shall not be older than six (06) months from the Bid Submission Last Date.</p>		For Schedule-A (In ₹)	For Schedule B (in ₹)	For Schedule C (in ₹)	For multiple Schedules (in ₹)	Bank solvency	Deleted	137 Lacs	79 Lacs	Sum of bidding Schedules
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All other terms and conditions of the Tender remains unaltered.