



মুজিব বর্ষের অঙ্গীকার  
নদী রাখবো পরিষ্কার

**Bangladesh Inland Water Transport Authority (BIWTA)**  
**Office of the Project Director**  
**Bangladesh Regional Waterway Transport Project 1 (BRWTP-1)**  
**BSC Tower (Level-21), Plot # 2 & 3, RAJUK Avenue**  
**Motijheel Commercial Area, Dhaka-1000, Bangladesh**

Memo No. 18.11.0000.181.14.192.21.134

Date: 28 October 2021

**ADDENDUM-5**

**(Amendment to the Bidding Documents)**

**Contract Package # BRWTP-G-2: Procurement of Hydrographic Survey and Related Equipment**

**Ref:** Bidding Documents (ICB for Goods/ Single-Stage and Single-Envelope Bidding Process) issued vide Memo No. 18.11.0000.181.14.192.21.292 dated: 05 May 2021

In accordance with Instructions to Bidders (ITB) Clause ITB 8, the Bidding Documents are hereby amended as follows:

Sl. No.	Reference of Bidding Documents (Section/ Clause)	Bidder's Request	Original and/or Existing Context	Amended/ Modified Context
01	Section III. Evaluation and Qualification Criteria SL No 3.1, A (I) – Financial Capability Para No: A-(b), (c) –	(b) The required turnover required from the Bidder (when the bidder is not a manufacturer) for LOT-1 in order for the bidder to qualify is excessively high. This requirement would only allow foreign bidders to qualify thus leaving out capable local bidders with locally present after sales support services from qualification. Since in Bangladesh, Hydrographic equipment of the kind required in Lot-1 are only procured by different offices of Bangladesh Government in small quantities	(b) The Bidder (Manufacturer) shall have at least the Average Annual Turnover mentioned below over a period of best three years within last five years. i.e. five years counting backward from the date of publication of IFB:  <b>Lot-1: BRWTP-G-2-01: US\$ 6,000,000 (US Dollar Six million) or equivalent</b>  <b>Lot-2: BRWTP-G-2-02: US\$ 550,000 (US Dollar Five hundred fifty thousand) or equivalent.</b>  <b>Lot-3: BRWTP-G-2-03: US\$ 875,000 (US Dollar Eight hundred seventy-five thousand) or</b>	<b>Lot-1: BRWTP-G-2-01: US\$ 4,000,000 (US Dollar four million) or equivalent</b>



		<p>periodically, such turnover could never be achieved by local hydrographic equipment dealers. Therefore we earnestly request that the Average Annual Turnover be reduced to USD 1.2 Million US Dollars to enable fair participation by the local agents/dealers of renowned hydrographic equipment manufacturers.</p> <p>(c) For Joint Ventures (JV), requiring each member to demonstrate Average Annual turnover as stated in Clause (b) would miss the point of doing a Joint Venture altogether. If each of the JV partners could financially qualify individually, there would be no point of doing any JV at all. Therefore we suggest that the Average Annual Turnover for the JV should be treated as a cumulative Annual Average Turnover of each partners of to the JV.</p>	<p>equivalent.</p> <p>(c) Bidder's (Manufacturer's) financial statements shall demonstrate the current soundness of the Bidder's financial position and indicate its prospective long-term profitability. <b>In case of Joint Venture (JV) each member of the JV must meet the requirement.</b></p>	
02	<p>Section III. Evaluation and Qualification Criteria SL No 3.1, A (II) - Experience and Technical Capacity, Para No: (ii)-</p>	<p>In order to ensure fair participation by local agents/ dealers of hydrographic equipment manufacturers we earnestly request this clause to be amended as follows:</p> <p>(iii) The Bidder shall have experience of supplying technically sophisticated Hydrographic survey, Hydrological Monitoring and / or navigational equipment (such as multi-beam or digital Hydrographic echo-sounders, sonars, sub-bottom profilers, acoustic Doppler current profilers, remotely operated hydrographic survey boats, Automatic Water Level Measuring Instrument, DGPS receivers, RTKGPS</p>	<p>(ii) The Bidder shall have experience of supplying technically sophisticated <b>Hydrographic survey and/or navigational equipment substantially similar to the Goods to be procured(such as multi-beam or digital Hydrographic echo-sounders, sonar, sub-bottom profilers, acoustic Doppler current profilers, remotely operated hydrographic survey boats, DGPS receivers, RTKGPS receivers, refractor less total stations etc.)</b>and providing related services(such as installation, configuration, adjustment, commissioning and maintenance), under 01(one) or <b>maximum 02 (two) contracts</b> with the minimum values stated below within the last five (5) years (i.e. years counting backward from</p>	<p>.....under 01 (one) or <b>maximum 03 (three) contracts</b> with the minimum values .....</p>



Other amendments/modifications in connection with Technical Specifications for Lot-1 made in the Bidding Documents are appended below:

**Lot-01: Hydrographic Survey Equipment:**

<b>Item No. 01: Swathe Multi-Beam Echo Sounders</b>			
<b>Reference of Bidding Documents (Section/ Clause)</b>	<b>Bidder's Request</b>	<b>Original and/or Existing Context</b>	<b>Amended/ Modified Context</b>
SI No. 1.3 Section – VII Schedule of Requirements Page-85	Minimum beam width Along Track: 0.5°- 1. 0°, 2.0° Across Track: 0.5°-.1.0°	Minimum beam width a. Along Track: 0.5°-0.9° b. Across Track: 0.5°-0.9°	Minimum beam width a. Along Track: 0.5°- 1.0° b. Across Track: 0.5° - 1.0°
SI No. 1.3	Mandatory for Roll	Real time Beam stabilization Mandatory for pitch and roll	Shall remain unchanged
SI No. 1.3 MUR/ INS	Heading Sensor accuracy 0.02° with 2m base line.	Heading Sensor Accuracy Dynamic Accuracy ≤ 0.5°	Shall remain unchanged
<b>Item No. 02: Side Scan Sonar</b>			
<b>Reference of Bidding Documents (Section/ Clause)</b>	<b>Bidder's Request</b>	<b>Original and/or Existing Context</b>	<b>Amended/ Modified Context</b>
Section – VII Schedule of Requirements	Horizontal beam width: 0.20° (deg) to 0.23° (deg) Vertical beam width: 40° (deg) to 45 (deg) Across Track Resolution 1.2 cm (SSS) to 1.25 cm (SSS) Weight Up to 25 Kg.	Horizontal beam width (deg) 0.23° Vertical beam width (deg) 40° Across Track Resolution 1.2 cm (SSS)	Horizontal beam width: 0.20° to 0.23° Vertical beam width: 40° to 45° Across Track Resolution 1.2 cm (SSS) to 1.25 cm (SSS)
<b>Item No. 03: Sub Bottom Profiler</b>			
<b>Reference of Bidding Documents (Section/ Clause)</b>	<b>Bidder's Request</b>	<b>Original and/or Existing Context</b>	<b>Amended/ Modified Context</b>
Section – VII Schedule of Requirements	Source Level: from 196dB to 250dB ±3dB re luPa@1m	up to 196dB ±3dB re luPa@1m	Shall remain unchanged



		<p>receivers, refractor less total stations etc.) and providing related services (such as installation, configuration, adjustment, commissioning and maintenance), under <b>06 contracts</b> with the minimum values stated below within the last five (3) years (i.e. years counting backward from the date of IFB publication):</p> <p>Lot-1: BRWTP-G-2-01: US\$ 1,100,000 (US Dollar One Point One Million) or equivalent</p> <p>Annual Turnover as well as specific supply requirement should be combination on those of the partners of JV.</p> <p>Proportionate qualification by each members.</p>	<p>the date of IFB publication):</p> <p><b>Lot-1: BRWTP-G-2-01: US\$ 2,000,000 (US Dollar Two million) or equivalent</b></p> <p><b>Lot-2: BRWTP-G-2-02: US\$ 200,00 (US Dollar two hundred thousand) or equivalent</b></p> <p><b>Lot-3: BRWTP-G-2-03: US\$ 300,000 (US Dollar Three hundred thousand) or equivalent.</b></p>	<p><b>Lot-1: BRWTP-G-2-01: US\$ 1,500,000 (US Dollar one and half million) or equivalent</b></p>
03		<p>Please include the item of Automatic Water Level Measuring Instrument in bidder/ Manufacturer supply experience.</p>		<p>Shall not be included</p>
04		<p>Annual Turnover: USD 1.3 million and Specific Supply contract value US\$ 1,200,000 or equivalent in 4 contracts.</p>	<p>As mentioned in Sl. 01</p>	<p>Amendments mentioned in Sl. 01</p>
05		<p>Qualification Criteria:</p> <p>01. Requirement of Annual Turn Over asked for 6 (Six) million.</p> <p>02. Specific supply of 2 (two) million in maximum 2 contracts.</p> <p>03. Each JV member have to comply equal qualification.</p> <p>04. Specific supply of tendered item that is items only mentioned for Lot-1.</p>	<p>As mentioned in Sl. 01 &amp; 02</p>	<p><b>For Bidder's Request 01 &amp; 02:</b></p> <p>Amendments mentioned in Sl. 01 &amp; 02.</p> <p><b>For Bidder's Request 03 &amp; 04:</b></p> <p>Shall remain unchanged.</p>



<b>Item No. 04: Digital Hydrographic Echo-Sounder (DHSE)- Single Frequency</b>			
<b>Reference of Bidding Documents (Section/ Clause)</b>	<b>Bidder's Request</b>	<b>Original and/or Existing Context</b>	<b>Amended/ Modified Context</b>
Section – VII Schedule of Requirements	<b>Accuracy</b> 2cm + 0.1% of depth @200 KHz.	<b>Accuracy</b> 1cm ± 0.1% depth	Shall remain unchanged
		<b>Environmental Condition</b> Operating temperature 0° to 55°C Storage temperature 0° to 55°C	Operation: -5.0° to 55°C Storage: -5.0° to 55°C
<b>Item No. 05: Acoustic Doppler Current Profiler (ADCP)</b>			
<b>Reference of Bidding Documents (Section/ Clause)</b>	<b>Bidder's Request</b>	<b>Original and/or Existing Context</b>	<b>Amended/ Modified Context</b>
SI No: 5.2 Section – VII Schedule of Requirements	<b>Sensors (standard):</b>  Temp: -5.0° to 55°C	<b>Environment</b> Operation 0° to 55°C Storage 0° to 55°C	<b>Environment</b> Operation: -5.0° to 55°C Storage: -5.0° to 55°C
<b>Item No. 06: Remotely operated hydrographic survey Drone Boat</b>			
<b>Reference of Bidding Documents (Section/ Clause)</b>	<b>Bidder's Request</b>	<b>Original and/or Existing Context</b>	<b>Amended/ Modified Context</b>
Section – VII Schedule of Requirements	Hull Type: Monohull / Catamaran;	Hull Type: Catamaran;	Hull Type: Catamaran/ Monohull
	Endurance: 08 hrs at @ 2 knots Survey speed.	<b>PROPULSION:</b> Endurance: 20 hours at 2 knots	Endurance: hours matching with battery operating duration at 2 knots
	Hull Material:  Aluminum / HDPE	<b>TECHNICAL PECIFICATIONS: PHYSICAL:</b> g. Hull Material: Aluminum Alloy.	Hull Material: Aluminum Alloy/ HDPE.



**Lot-03: Other Equipment & Software**

<b>Item No. 05: Vibrocorer Device</b>			
<b>Reference of Bidding Documents (Section/ Clause)</b>	<b>Bidder's Request</b>	<b>Original and/or Existing Context</b>	<b>Amended/ Modified Context</b>
Item No: 5.3 Section – VII Schedule of Requirements	Vibrocover/ Gravitycover Device.  Operational depth: Up to 300 m	Operational depth: Up to 300 m	Operational depth: Up to 50 m



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