চট্টগ্রাম পানি সরবরাহ ও পয়ঃনিষ্কাশন কর্তৃপক্ষ
Chattogram Water Supply & Sewerage Authority
WASA Office Building, Dampara, Chattogram, Bangladesh

Memo No.: 46.06.2000.000.335.41.0017.25-185 Date: 14/10/2026

Addendum-2

Project: Chattogram Water Supply Improvement Project (CWSIP)
Package ID: CWSIP/W1
Package Name: Design, Construction, Supply, Installation, Testing & Commissioning for System Improvement and DMA Formation of
Lot 1: Mohara Water Supply System
Lot 2: Modunaghat and Kalurghat Water Supply System
RFP Memo No.: 46.06.2000.000.335.41.0017.25-129, Date: 12/07/2026 and
Addendum-1: 46.06.2000.000.335.41.0017.25-166, Date: 13/09/2026
Name of country: Bangladesh
Credit number: 7675-BD & 7674-BD

With reference to the above mentioned works package, the following addendum-2 to the Request for Proposal (RFP) document are hereby issued:

<table>
<tr><th>Sl. No</th><th>Reference in RFP document</th><th>Existing Provision in RFP document</th><th>Amended Provision in RFP document</th></tr>
<tr><td>01</td><td>Volume-1, Section-II Proposal Data Sheet. ITP 23.1</td><td>The deadline for Proposal submission is:
Date: October 28, 2026
Time: 14.00 Hours, Local Bangladesh Time (GMT+6Hrs)</td><td>The deadline for Proposal submission is:
Date: November 15, 2026
Time: 14.00 Hours, Local Bangladesh Time (GMT+6Hrs)</td></tr>
<tr><td>02</td><td>Volume-1, Section-II Proposal Data Sheet. ITP 26.1</td><td>Date: October 28, 2026
Time: 14.15 Hours, Local Bangladesh Time (GMT+6Hrs)</td><td>Date: November 15, 2026
Time: 14.15 Hours, Local Bangladesh Time (GMT+6Hrs)</td></tr>
<tr><td>03</td><td>Volume 2B Section VII-L2. Employer's Requirements L2-2.5.1.31 Equipment</td><td>Following equipment are to be provided,
<table>
<tr><th>NO</th><th>DESCRIPTION</th><th>QTY</th><th>REMARKS</th></tr>
<tr><td>1</td><td>Submersible pumps</td><td>4 Nos</td><td></td></tr>
<tr><td>2</td><td>Lime preparation and dosing package plant (Pre lime)</td><td>1 No</td><td></td></tr>
<tr><td>3</td><td>KMNO4 preparation and dosing package plant (Pre chlorine)</td><td>1 No.</td><td></td></tr>
<tr><td>4</td><td>Lime preparation and dosing</td><td>1 No.</td><td></td></tr>
</table></td><td>Following equipment are to be provided,
<table>
<tr><th>NO</th><th>DESCRIPTION</th><th>QTY</th></tr>
<tr><td>1</td><td>Submersible pumps</td><td>4 Nos</td></tr>
<tr><td>2</td><td>Lime preparation and dosing package plant (Pre lime)</td><td>1 No</td></tr>
<tr><td>3</td><td>KMNO4 preparation and dosing package plant</td><td>1 No.</td></tr>
<tr><td>4</td><td>Chlorine storage and extraction facility with</td><td>1 No.</td></tr>
</table></td></tr>
</table>

<table>
<tr><th>Sl. No</th><th>Reference in RFP document</th><th>Existing Provision in RFP document</th><th>Amended Provision in RFP document</th></tr>
<tr><td></td><td></td><td>
<table>
<tr><td></td><td>package plant (Pre lime)</td><td></td><td></td></tr>
<tr><td>5</td><td>FeCl preparation and dosing package plant</td><td>1 No.</td><td></td></tr>
<tr><td>6</td><td>Filter control MOV (complete set)</td><td>8 Nos.</td><td></td></tr>
<tr><td>7</td><td>Backwash pumps</td><td></td><td></td></tr>
<tr><td>8</td><td>Backwash blowers</td><td></td><td></td></tr>
<tr><td>9</td><td>Lime preparation and dosing package plant (Post lime)</td><td>1 No.</td><td></td></tr>
<tr><td>10</td><td>$KMNO_4$ preparation and dosing package plant (Post Cl-1)</td><td>1 No.</td><td></td></tr>
<tr><td>11</td><td>$KMNO_4$ preparation and dosing package plant (Post Cl-2)</td><td>1 No.</td><td></td></tr>
</table>
</td><td>
<table>
<tr><td></td><td>monorail hoist for chlorine cylinder handling, including chlorine gas scrubber and supply lines to pre- and post-chlorination dosing units.</td><td></td></tr>
<tr><td>5</td><td>FeCl preparation and dosing package plant</td><td>1 No.</td></tr>
<tr><td>6</td><td>Filter control MOV (complete set)</td><td>8 Nos.</td></tr>
<tr><td>7</td><td>Backwash pumps</td><td></td></tr>
<tr><td>8</td><td>Backwash blowers</td><td></td></tr>
<tr><td>9</td><td>Lime preparation and dosing package plant (Post lime)</td><td>1 No</td></tr>
<tr><td>10</td><td>Dosing package plant for pre chlorine</td><td>1 No</td></tr>
<tr><td>11</td><td>Dosing package plant for post chlorine</td><td>1 No</td></tr>
</table>
</td></tr>
<tr><td>04</td><td>Volume-2B

L2-2.5.1.13 Process Unit Guidelines Table</td><td>Oxidation:
Aeration with oxidants – Spray nozzle aerators or more efficient method. Shall provide a minimum of two units.
Preferred Chemical oxidants: Potassium permanganate. Shall keep provision for chlorine / chlorine dioxide
Dose Rates - Normal 50 mg / l (maximum 100 mg / l) as Potassium permanganate. Actual dosage shall vary with turbidity, iron and manganese level of incoming raw water.
Storage Requirements - 90 days at normal dose
Handling Requirements – 2 No. Dissolving Tanks with minimum 25 minutes of contact time allowing for provision for chlorine / chlorine dioxide
Dosing Concentration - 10 % maximum</td><td>Oxidation:
Aeration with oxidants – Spray nozzle aerators or more efficient method. Shall provide a minimum of two units.
Preferred Chemical oxidants: Potassium permanganate. Shall keep provision for chlorine / chlorine dioxide
Dose Rates - Normal 5 mg / l (maximum 20 mg / l) as Potassium permanganate. Actual dosage shall vary with turbidity, iron and manganese level of incoming raw water.
Storage Requirements - 90 days at normal dose
Handling Requirements – 2 No. Dissolving Tanks with minimum 25 minutes of contact time</td></tr>
</table>

Sl. No	Reference in RFP document	Existing Provision in RFP document	Amended Provision in RFP document
		• Control - Manual adjustment of pump speed with local start-stop and remote control	allowing for provision for chlorine / chlorine dioxide • Dosing Concentration - 10 % maximum • Control - Manual adjustment of pump speed with local start-stop and remote control
05	Volume 2B Section VII-L2. Employer's Requirements L1-2.7.3.1 Functional Guarantee for Section 1	1. Over a minimum of 14-day period, the functional guarantee test ensures that the minimum pressure at the DMA inlet point is equal to or greater than the minimum pressure in the approved contractors' hydraulic model, and the summation of the DMA inlet flows exceeds 95% of the measured volume at the Mohara delivery flowmeter.	1. Over a minimum 14-day period, the functional guarantee test shall verify that the minimum pressure at each DMA inlet is equal to or greater than the minimum pressure specified in the Contractor's approved hydraulic model, and that the sum of the corresponding downstream DMA inlet flows is at least 95% of the measured flow at the following delivery flowmeters: • Sector 4 delivery flowmeter at Kalurghat; • Sector 5 delivery flowmeter at Kalurghat; • Sector 1 delivery flowmeter at Patenga Pumping distribution system; • Sector 1 delivery Flowmeter at Patenga Gravity distribution system.
06	Volume 2A: Section VII - Employer's Requirement (Lot-1) L1-2.2 Scope of Works - Lot 1 Page - 21	**L1-2.2 Scope of works – Lot 1** This Section describes of the Scope of Works for this Lot 1 and shall be read in conjunction with the Bill of Quantities and all Employer's Requirements. This Scope covers the design, construction, commissioning and trial operation of Works to achieve a level of NRW for the entire downstream system of Mohara Water Treatment plant not exceeding 10% (ten percent) while maintaining a continuous supply of water to every registered CWASA customer at a pressure not less than 1.0 bar at the inlet of the customer meter, as described herein and shown in the Drawings, including all necessary investigations, surveys, designs, procurements, installations, performance	**L1-2.2 Scope of works – Lot 1** This Section describes of the Scope of Works for this Lot 1 and shall be read in conjunction with the Bill of Quantities and all Employer's Requirements. This Scope covers the design, construction, commissioning and trial operation of Works to achieve a level of NRW for the entire downstream system of Mohara Water Treatment plant not exceeding 10% (ten percent) while maintaining a continuous supply of water to every registered CWASA customer at a pressure not less than 1.0 bar at the

Sl. No	Reference in RFP document	Existing Provision in RFP document	Amended Provision in RFP document
		tests, system commissioning, flow measurements, leak repairs, leak surveys, leak locations and liaison with CWASA for the provision of new registered connections to prospective customers and LICs for the duration of the Services. The Works are described in detail in sub-sections L1-2.1 to L1-2.4 below and comprise, *inter alia*: • 22.5 Km of new pipes to replace degraded existing transmission and distribution pipes and fittings with appropriately sized HDPE and DI pipe and their associated fittings; • 158.4 Km of new HDPE and DI pipe and associated fittings to reinforce and extend the existing transmission and distribution networks; • Supply and installation of minimum 72 km of 75 mm Outer Diameter HDPE pipelines designated for infill distribution lines. • Approximately 22,500 new service connection pipes to replace those of CWASA's registered customers and provide connections to new CWASA customers, all from the nearest distribution pipe to the inlet of the customer's meter; • Establishment of an estimated 18 Smart DMAs in Sectors 2 and 3 to be used by Contractor in the first instance to reduce the NRW within each and every Sector to below 10% using DMA flow measurements, step tests, leak detection surveys, leak repairs, unregistered service pipe surveys and such other means as CWASA agrees, and Contractor is disposed, to deploy; • A new reservoir and pumping station on the site of the existing DT Booster while maintaining an uninterrupted supply of water from the existing pumping station until the moment the new pumping station is fit and approved by CWASA to enter service; • Decommissioning, demolition, removal and disposal of the existing buildings, pumping station and associated infrastructure within the boundaries of the DT Booster site;	inlet of the customer meter, as described herein and shown in the Drawings, including all necessary investigations, surveys, designs, procurements, installations, performance tests, system commissioning, flow measurements, leak repairs, leak surveys, leak locations and liaison with CWASA for the provision of new registered connections to prospective customers and LICs for the duration of the Services. The Works are described in detail in sub-sections L1-2.1 to L1-2.4 below and comprise, *inter alia*: • 22.5 Km of new pipes to replace degraded existing transmission and distribution pipes and fittings with appropriately sized HDPE and DI pipe and their associated fittings; • 158.4 Km of new HDPE and DI pipe and associated fittings to reinforce and extend the existing transmission and distribution networks; • Supply and installation of minimum 72 km of 75 mm Outer Diameter HDPE pipelines designated for infill distribution lines. • Approximately 22,500 new service connection pipes to replace those of CWASA's registered customers and provide connections to new CWASA customers, all from the nearest distribution pipe to the inlet of the customer's meter; • Establishment of an estimated 18 Smart DMAs in Sectors 2 and 3 to be used by Contractor in the first instance to reduce the NRW within each and every Sector to below 10% using DMA flow

Sl. No	Reference in RFP document	Existing Provision in RFP document	Amended Provision in RFP document
		• A new booster pumping station on the site of the existing Khulshi Booster while maintaining an uninterrupted supply of water from the existing booster pumping station until the moment the new pumping station is fit and approved by CWASA to enter service; • Decommissioning, demolition, removal and disposal of the existing buildings, booster pumping station and associated infrastructure within the boundaries of the DT Booster site; • An estimated 10 in-line booster pumps to pressurise the distribution networks in elevated areas. The maximum capacity of such pump can be taken as 5 KW for estimation purposes.	measurements, step tests, leak detection surveys, leak repairs, unregistered service pipe surveys and such other means as CWASA agrees, and Contractor is disposed, to deploy; • A new reservoir and pumping station on the site of the existing DT Booster while maintaining an uninterrupted supply of water from the existing pumping station until the moment the new pumping station is fit and approved by CWASA to enter service; • Decommissioning, demolition, removal and disposal of the existing buildings, pumping station and associated infrastructure within the boundaries of the DT Booster site; • A new booster pumping station on the site of the existing Khulshi Booster while maintaining an uninterrupted supply of water from the existing booster pumping station until the moment the new pumping station is fit and approved by CWASA to enter service; • Decommissioning, demolition, removal and disposal of the existing buildings, booster pumping station and associated infrastructure within the boundaries of the Khulshi Booster site; • An estimated 10 in-line booster pumps to pressurise the distribution networks in elevated areas. The maximum capacity of such pump can be taken as 5 KW for estimation purposes.

Sl. No	Reference in RFP document	Existing Provision in RFP document	Amended Provision in RFP document
07	Volume 1 Section IV – Proposal Forms Page: 89	For Lot-2 Activities: Construction of Transmission and Distribution Systems including Construction and Supply Installation, Testing Comissioning of Dhaka Trunk Road reservoir and pump station and Khulshi Booster Pump Station	For Lot-2 Activities: Construction of Transmission and Distribution Systems including Construction and Supply Installation, Testing Comissioning of Pump station for Sector 4 and Sector 5 and all works at ADC Hill reservoir.
08	Volume 1 Section IV – Proposal Forms Sample Schedule of Priced Sub-activities Table Page: 96	11. All improvements works at ADC hill reservoir site including inlet, outlet, overflow pipes works (Leak repair of the existing reservoir shall be excluded from this rate as it is given under provisional sum)	11. All improvements works at ADC hill reservoir site including inlet, outlet, overflow pipes works.

Other texts, terms and conditions of the RFP document will remain unchanged.

14.10.2026

(Md. Rejaul Ahsan Chowdhury)
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Copy forwarded for kind information to:

1. Deputy Managing Director (Engineering), Chattogram WASA.
2. Chief Engineer, Chattogram WASA.
3. P.A. to Managing Director, Chattogram WASA (for kind information to Managing Director, Chattogram WASA)
4. System Analyst, Chattogram WASA (with request to publish the Addendum-2 at the CWASA website).
5. To all bidders, Package CWSIP/W1-Design, Construction, Supply, Installation, Testing & Commissioning for System Improvement and DMA Formation of Lot 1: Mohara Water Supply System; Lot 2: Modunaghat and Kalurghat Water Supply System