

**Government of the People's Republic of Bangladesh**

**Department of Public Health Engineering (DPHE)**



**ADDENDUM-1  
TO  
CONTRACT AGREEMENT**

**FOR**

**CONSULTANCY SERVICES FOR  
37 DISTRICT TOWNS WATER SUPPLY PROJECT (REVISED)**

**BETWEEN**

**Department of Public Health Engineering (DPHE)**

**and**

**JOINT VENTURE OF ENGINEERING AND PLANNING CONSULTANTS LTD. (EPC) AND  
OPERATIONS RESEARCH GROUP PVT. LTD. (ORG)**

**December 2019**

## **Addendum-1 Contract Agreement**

This ADDENDUM-1 (hereinafter called the “Addendum-1”) to the original Contract Agreement is made on the 5<sup>th</sup> day of the month of December 2019 between, on the one hand, The Project Director, Department of Public Health Engineering (DPHE) (hereinafter called the “Client”) and, on the other hand, a joint venture consisting of the following entities, each of which will jointly and severally liable to the Client for all the Consultant’s obligations under this Contract, namely, Engineering & Planning Consultants Ltd.(EPC) and Operations Research Group Pvt. Ltd.(ORG) (hereinafter called the “Consultant”).

***WHEREAS***

- (a) The Client and the Consultants entered into a Contract (hereinafter called the “Original Contract”) on 05 June 2018 for providing certain consulting services for “37 District Towns Water Supply Project (Revised)” as defined in the Original Contract (hereinafter called the “Services”);
- (b) The necessity for Addendum-1 has risen from the requirement of additional inputs of the Consultant due to the extension of time for Civil works Contract;
- (c) The Addendum-1 has been approved by the competent authority.

NOW THEREFORE the parties hereto hereby agree as follows:

1. In this Addendum-1 words and expressions shall have the same meaning as are respectively assigned to them in the Original Contract referred to.

2. The following documents attached hereto shall be deemed to form an integral part of the Addendum-1.

- (a) Addendum-1 Contract Agreement.

- (b) The Appendices (1 to 4)

Appendix-1 : The Particular Conditions of Contract (PCC) (Revised)

Appendix-2 : Work Schedule (Revised)

Appendix-3 : Staffing Schedule (Revised)

Appendix-4 : Cost Estimates (Revised)

3. The following attached documents shall also be deemed to form an integral part of the Addendum-1:
  - a) Attachment 1: Time extension request letter of Project Director.
  - b) Attachment 2: Approval letter of Addendum-1.
4. The mutual rights and obligation of the Client and Consultant shall remain enforce as set forth in the Original Contract.
5. The other terms and conditions of Original Contract shall remain unchanged.

IN WITNESS we, the Parties hereto have caused this Addendum-1 to be signed in their respective names as of the day and year first above written.

**For and on behalf of Department of Public Health Engineering (DPHE)**

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**Engr. Noor Ahmed**  
Project Director  
37 District Towns Water Supply project,  
Department of Public Health Engineering (DPHE),  
14, Shaheed Captain Monsur Ali Sarani,  
Kakrail, Dhaka-1000.

**For and on behalf of Engineering and Planning Consultants Ltd. (EPC)**

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**Md. Abdul Wadud Bhuiyan**  
Director  
Engineering & Planning Consultants Ltd. (EPC)  
7/4, Block-A, Lalmatia, Dhaka-1207, Bangladesh.

**For and on behalf of Operations Research Group Pvt. Ltd.(ORG)**

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**Md. Belayet Hossain**  
Chief Coordinator, Bangladesh  
Operations Research Group Pvt. Ltd.(ORG)  
Talukdar Heights, 18/4, Pollabi (Choowrange)  
Mirpur-12, Dhaka-1216, Bangladesh.

Witnesses  
For and on behalf of Client

1. Signature :

Witnesses  
For and on behalf of Consultants

1. Signature:

2. Signature :

1. Signature:

**Appendix-1**  
**The Particular Conditions of Contract**  
**(PCC) - Revised**

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## The Particular Conditions of Contract (PCC)

| <b>Section 4. Particular Conditions of Contract</b> |  |
|---|--|
| GCC Clause  | Amendments of, and Supplements to, Clauses in the General Conditions of Contract   |
|   | <b>RFP IDENTIFICATION NO: PD/37DTWSP/DPHE/7182</b>   |
| 1.1 (b)   | The Client is:<br><b>Department of Public Health Engineering(DPHE)</b><br><b>Project Director</b><br><b>37 District Towns Water Supply Project (6th floor)</b><br><b>Department of Public Health Engineering (DPHE)</b><br><b>14, Shahid Captain Monsur Ali Sarani, Kakrail, Dhaka,</b><br><b>Tel: +88 02 9335558</b><br><b>e-mail address: pd37dphe@gmail.com</b>   |
| 1.1 (e)   | The Consultant is:<br><b>“Joint Venture of Engineering &amp; Planning Consultants Ltd. (EPC) and Operations Research Group Pvt. Ltd. (ORG)”</b><br>7/4, Block-A, Lalmatia, Dhaka-1207, Bangladesh<br>Tel: 9113772, 58156753<br>Authorized Representatives: <b>Md. Abdul Wadud Bhuiyan, Director, EPC</b>   |
| GCC 2.1   | The assignment is to be completed in the following phases: 02 Phases<br>In Phase : Design phase 3 month.<br>In Phase : Implementation phase 21.60 months.<br>Design phase is within 21.60 months time of the contract period.  |
| GCC 3.1   | The Client's addresses for the purpose of Communications and Notices under this Contract is :<br><b>Contact Person:</b> Project Director<br>37 District Towns Water Supply Project (6th floor)<br>Department of Public Health Engineering (DPHE)<br>14, Shahid Captain Monsur Ali Sarani, Kakrail, Dhaka,<br>Tel: +88 02 9335558<br>e-mail address: : pd37dphe@gmail.com<br><br><b>Consultant:</b> <b>“Joint Venture of Engineering &amp; Planning Consultants Ltd. (EPC) and Operations Research Group Pvt. Ltd. (ORG)”</b><br>Attention: <b>Md. Abdul Wadud Bhuiyan, Director,</b><br><b>Engineering &amp; Planning Consultants Ltd. (EPC)</b><br>E-mail : <b>awbhuiyan@epc-bd.com; wadudm@yahoo.com</b> |
| GCC 6.1(e)  | The following additional documents shall form the part of the Contract: <b>None</b>  |
| GCC 8.1   | Non eligible countries are: <b>Israel</b>  |
| GCC 11.1  | The Member in Charge is: <b>Engineering &amp; Planning Consultants Ltd. (EPC)</b>  |
| GCC 12.1  | The Authorized Representatives are:<br><br><b>For the Client :</b> Project Director<br>37 District Towns Water Supply Project (6th floor)<br>Department of Public Health Engineering (DPHE)<br>14, Shahid Captain Monsur Ali Sarani, Kakrail, Dhaka,<br>Tel: +88 02 9335558, Fax: +8802 9342688,<br>e-mail address: : pd37dphe@gmail.com<br><br><b>For the Consultant :</b> Md. Abdul Wadud Bhuiyan, Director, Engineering & Planning Consultants Ltd. (EPC)<br>7/4, Block-A, Lalmatia, Dhaka-1207, Bangladesh<br>Tel: 9113772, 58156753<br>e-mail : <b>awbhuiyan@epc-bd.com; wadudm@yahoo.com</b>   |
| GCC 17.1  | The conditions for effectiveness of the Contract are the following:<br>Approval of the Contract by the Client.   |
| GCC 18.1  | The time for commencement of the Services shall be within 07 (seven) days from the date of Contract sign.  |

|             |   |
|-------------|---|
| GCC 19.1    | The Contract period shall be 21.60 Months after the Effective Date of the Contract.   |
| GCC 20.1    | The Contract shall expire at the end of 21.60 Months after the Effective Date of the Contract.  |
| GCC 32.4(a) | The Consultant is notified of such actions, claims, losses or damages not later than 21.60 (twenty one point six zero) months after conclusion of the Services.   |
| GCC 32.4(b) | The ceiling on Consultant's liability shall be limited to <b>BDT 36,484,403.00</b>  |
| GCC 33.1(a) | <p>The risks and the coverage shall be as follows:</p> <ul style="list-style-type: none"> <li>(a) Third Party motor vehicle liability insurance in respect of motor vehicles operated in Bangladesh by the Consultant or Its Personnel or any Sub-Consultants or their Personnel, with a minimum coverage of <b>Prevailing GOB rules</b>.</li> <li>(b) Third Party liability insurance, with a minimum coverage of <b>Prevailing GOB rules</b>;</li> <li>(c) Professional Liability insurance, with a minimum coverage of <b>Prevailing GOB rules</b>;</li> <li>(d) Employer's Liability and Workers' Compensation insurance in respect of the Personnel of the Consultant and of any Sub-Consultant, in accordance with the relevant provisions of the Applicable Law, as well as, with respect to such Personnel, any such life, health, accident, travel, or other insurance as may be appropriate; and</li> <li>(e) Insurance against loss of or damage to (i) equipment and materials purchased in whole or in part with funds provided under this Contract, (ii) the Consultant's property used in the performance of the Services, and (iii) any documents prepared by the Consultant in the performance of the Services.</li> </ul> |
| GCC 35.1(c) | <p>The other actions that shall require Client's approval are:</p> <p>Any Feasibility study and any Engineering Construction</p>  |
| GCC 37.3    | <p>The other restrictions about future use of documents and software are;</p> <p>"The Consultant shall not use these documents and software for purposes unrelated to this Contract without the prior written approval of the Client".</p>  |
| GCC 39.1(d) | <p>Assistance for carrying out the Services to be provided by the Client are;</p> <p>As per TOR</p>   |
| GCC 45.1    | <p>The particulars of the Bank Account nominated are as follows;</p> <p>Title of the Account: JV of EPC-ORG</p> <p>Name of the Bank: Midland Bank Ltd.</p> <p>Name of the Branch: Dhanmondi Branch</p> <p>Account Number:0008-1090000486</p> <p>Address: Taj Lily Green (1<sup>st</sup> Floor), House # 51 (New), 751 (Old)<br/>Satmasjid Road, Dhanmondi, Dhaka-1209, Bangladesh.</p> <p>Tel: +88-09666-410908</p> <p>E-mail address: sadeeqe.hassan@midlandbankbd.net</p>   |
| GCC 47.1    | <p>The Contract Price is To be fixed at Negotiation and its approval.</p>   |
| GCC 50.1    | <p><b>Advance Payment:</b> 10% of the Contract Price of Staff Remuneration upon submission and acceptance of Inception Report against a Bank Guarantee of equal amount.</p>   |
| GCC 51.1    | <p>Payments shall be made in line with agreed-on outputs according to the following schedule: (All cost including 15% VAT and 12% IT).</p> <p><b>A. Staff Remuneration:</b></p> <ul style="list-style-type: none"> <li>• 10% of the Contract Price of staff remuneration after submission and acceptance of Inception Report.</li> <li>• 10% of the contract price of staff remuneration upon submission and acceptance of Draft Feasibility Report and Draft Design Report.</li> <li>• 10% of the contract price of staff remuneration upon submission and acceptance of Draft Final Design Report (Architectural plan, Structural design &amp; detail working drawing, BOQ, Tender Documents including technical specification etc. (soft copy &amp; hard copy)</li> <li>• During supervision works (phase wise work of all paurashavas): <ul style="list-style-type: none"> <li>- 40% of the contract price of staff remuneration on quarterly basis upto original contract period of 18 months based on certification from the PD. For quarterly payment, time calculation shall start after submission</li> </ul> </li> </ul>  |

|                    |  |
|--------------------|--|
|                    | <p>and acceptance of "Draft Design Report". Number of quarterly payment may be decreased based on project completion time. In such case contract price shall be adjusted based on the duration of services.</p> <ul style="list-style-type: none"><li>- 100% of the contract price of staff remuneration for the extended period of 3.6 months.</li><li>• 10% of the contract price of staff remuneration upon submission and acceptance of Training manual and O&amp;M manual</li><li>• 20% of the contract price of staff remuneration upon submission and acceptance of <b>Draft Final Completion Report</b></li></ul> <p><b>B. Reimbursable Expenses:</b> Will be paid as per actual expenditure and invoicing to the client together with all the supporting bills/vouchers on quarterly basis.</p> |
| <b>GCC 71.2(b)</b> | The place of Arbitration is: Dhaka Bangladesh.   |

## **Appendix-2**

### **Work Schedule (Revised)**

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**FORM 5A5****WORK SCHEDULE (Revised)****Consultancy Services for 37 District Towns Water Supply Project (Revised), DPHE.**

| Item Nr.   | Activities   | Task Description | PERIOD IN MONTHS |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|--|--|------------------|------------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
|  |  |                  | 1                | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| <b>ACTIVITY 100</b> <b>Mobilization and Start-up Activities</b>  |  |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Task 101   | Negotiations and Signing of Contract   |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Task 102   | Mobilization and Office Establishment  |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Task 103   | Start-Up Meetings with the Client (DPHE)   |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Task 104   | Reconnaissance Survey of Project areas   |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Task 105   | Data Collection/Acquisition  |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <b>ACTIVITY 200</b> <b>Feasibility Study and Design</b>  |  |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Task 201   | Review of Available Data and Documents   |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Task 202   | Confirmation of Design Standards and Codes of Practices for Faridpur, Cox's Bazar, Manikganj and Feni Pourashava.  |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Task 203   | Reconnaissance and Confirmation of infrastructure locations for Faridpur, Cox's Bazar, Manikganj and Feni Pourashava.  |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Task 204   | Hydrogeological Investigations and Materials Investigations  |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Task 205   | Water Quality Tests for all Potential Sources  |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Task 206   | Topographic Survey & GIS based mapping for water supply & sanitation system of all Pourashava.   |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Task 207   | WTPs, OHTs, Pipelines, house connections, water points.  |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Task 208   | Detailed Engineering Plan, prepare draft and final design report with all relevant drawings.   |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Task 209   | Feasibility Project Reports  |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <b>ACTIVITY 300</b> <b>Preparation of BOQ, detail estimates and tender documents for treatment plants, impounding reservoirs, intakes, OHT, pipe networks and all ancillary works.</b> |  |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Task 301   | Prepare BOQ, detail estimates and BOQ for all components for Faridpur, Cox's Bazar, Manikganj and Feni Pourashava  |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Task 302   | Prepare specifications, rate schedule, bidding documents etc. For invitation of tenders for Water Treatment Plant (Ground & Surface), Over Head Tanks, impounding Reservoir, Production Tube Well Pipe Line Network etc. in Faridpur, Bhola, Comilla, Cox's Bazar, Manikganj & Feni Pourashava |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Task 303   | Prepare tender documents for all components and for Faridpur, Cox's Bazar, Manikganj and Feni Pourashava.  |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Task 304   | Prepare O & M Manuals for all treatment plants, water supply system incorporating water safety plan.   |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|  | <b>IMPLEMENTATION PHASE</b>  |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <b>ACTIVITY 400</b> <b>Implementation and Construction Supervision.</b>  |  |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Task 401   | Prepare Construction Schedule.   |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Task 402   | Provide work layouts and levels  |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Task 403   | Conduct/Carry Out site supervision   |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Task 404   | Ensure construction of works as per specification, drawings and schedule.  |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Task 405   | Ensure quality control of works and testing of all materials.  |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Task 406   | Support Variation Orders. Certify Contractor's bill for payment.   |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Task 407   | Supervise and certify Installation/Commissioning of all electro-mechanical equipment and pumps.  |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Task 408   | Certify Work Completion as per approved design, specification and drawings.  |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Task 409   | Certify As built drawings.   |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Task 410   | "On the job training" to DPHE & Pourashava's Staff and partner agencies.   |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <b>ACTIVITY 500</b> <b>Reports and Deliverables</b>  |  |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Task 501   | Inception Report   |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Task 502   | Work Progress Report   |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Task 503   | Reports on water source assessment including treatment process   |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Task 504   | Update Feasibility Report and Draft Design Report  |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Task 505   | Draft Final Design Report  |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Task 506   | Final Design Calculation   |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Task 507   | Tender Document for each of the component for every town   |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Task 508   | Training Manual for capacity building and O&M Manual for water supply system including treatment plant incorporating water safety plan   |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Task 509   | Draft Completion Report  |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Task 510   | Draft Final Completion Report  |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Task 511   | Draft Final Completion Report  |                  |                  |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

Original  
Addendum-1  
Addendum-2  
Addendum-3

## **Appencix-3**

### **Staffing Schedule (Revised)**

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## FORM 5A7

### STAFFING SCHEDULE (Revised)

#### Consultancy Services for 37 District Towns Water Supply Project (Revised), DPHE.

| Sl.<br>No.              | Name of Staff                                | Position Assigned                  | Period in Months |       |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Input (Man-month) |       |
|-------------------------|--|------------------------------------|------------------|-------|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------------|-------|
|                         |  |                                    | 1                | 2     | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |                   |       |
| <b>A. KEY-STAFF</b>     |  |                                    |                  |       |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                   |       |
| 1                       | Md. Shamsuddin                               | Team Leader                        | Home             | Field |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                   | 21.60 |
| 2                       | Abul Bashar                                  | Water Quality Treatment Specialist | Home             | Field |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                   | 3.00  |
| 3                       | Mustafizur Rahman                            | Structural Engineer                | Home             | Field |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                   | 3.00  |
| 4                       | Md. Sadeque Hossain                          | Pipe Network Designer-1            | Home             | Field |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                   | 3.00  |
| 5                       | BMA Muktagir                                 | Pipe Network Designer-2            | Home             | Field |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                   | 3.00  |
| 6                       | Mohammad Rashidul Islam                      | Mechanical Engineer                | Home             | Field |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                   | 3.00  |
| <b>B. NON-KEY-STAFF</b> |  |                                    |                  |       |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                   |       |
| 7                       | S.M.Mohtasim Billah/<br>A.B.M. Shafiqul Alam | Resident Engineer (Civil-1)        | Home             | Field |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                   | 21.60 |
| 8                       | Mahmudul Hasan/<br>Md. Tipu Sultan           | Resident Engineer (Civil-2)        | Home             | Field |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                   | 21.60 |
| 9                       | Md. Moklesur Rahman/<br>Rasel                | Resident Engineer (Civil-3)        | Home             | Field |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                   | 21.60 |
| 10                      | Amit Saha                                    | Resident Engineer (Electrical)     | Home             | Field |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                   | 21.60 |
| 11                      | Haradhan Dhar/<br>Mukul Chandra Dey          | Resident Engineer (Mechanical)     | Home             | Field |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                   | 21.60 |
| 12                      | S.M. Morshedul Hasin/<br>Iftekhar Ahmed      | Hydro-Geologist                    | Home             | Field |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                   | 21.60 |
| <b>Total:</b>           |  |                                    |                  |       |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | <b>166.20</b>     |       |

**Original**  


**Ammendment-1**  


## **Appencix-4**

### **Cost Estimate (Revised)**

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**Form 5B2 Summary of Costs**

| <b>Cost Component</b>            | <b>Original Cost (Taka)</b> | <b>Revised Costs (Taka)</b> | <b>% Change</b> |
|----------------------------------|-----------------------------|-----------------------------|-----------------|
| Staff Remuneration (Form 5B3)    | 17775000                    | 20,745,000.00               | 12.89%          |
| Reimbursable Expenses (Form 5B4) | 5817500                     | 7,173,500.00                |                 |
| <b>Sub-Total:</b>                | <b>23,592,500</b>           | <b>27,918,500.00</b>        |                 |
| *Income Tax (12%)                | 3,878,219                   | 3,807,068.18                |                 |
| *VAT (15%)                       | 4,847,774                   | 4,758,835.23                |                 |
| Total Local Tax* (IT+VAT)=27%    | 8725993.15                  | 8,565,903.41                |                 |
| <b>Gross Total</b>               | <b>32318493.15</b>          | <b>36,484,403.41</b>        | <b>12.89%</b>   |

**Form 5B3 : Breakdown of Staff Remuneration**

| Sl. No.                 | Name                    | Position`                           | Man-Month Rate | Original Contract (5 June 2019 to 4 December 2019) |                      | Revised Contract (5 December 2019 to 21 March 2020) |               | Additional Cost |                      |                 |                     |
|-------------------------|-------------------------|-------------------------------------|----------------|--|----------------------|---|---------------|-----------------|----------------------|-----------------|---------------------|
|                         |                         |                                     |                | Design Phase                                       | Implementat on Phase | Total man-Month                                     | Total Taka    | Design Phase    | Implementat on Phase | Total man-Month | Total Taka          |
| <b>A. KEY STAFF</b>     |                         |                                     |                |  |                      |   |               |                 |                      |                 |                     |
| 1                       | Md. Shamsuddin          | Team Leader                         | 225,000        | 3.00   | 15.00                | 18.00   | 4,050,000.00  | 3.00            | 18.60                | 21.60           | 4,860,000.00        |
| 2                       | Abul Bashar             | Water Quality/ Treatment Specialist | 200,000        | 3.00   | -                    | 3.00  | 600,000.00    | 3.00            | -                    | 3.00            | 600,000.00          |
| 3                       | Mustafizur Rahman       | Structural Engineer                 | 200,000        | 3.00   | -                    | 3.00  | 600,000.00    | 3.00            | -                    | 3.00            | 600,000.00          |
| 4                       | Md. Sadeque Hossain     | Pipe Network Designer-1             | 200,000        | 3.00   | -                    | 3.00  | 600,000.00    | 3.00            | -                    | 3.00            | 600,000.00          |
| 5                       | BMA Muktagir            | Pipe Network Designer-2             | 200,000        | 3.00   | -                    | 3.00  | 600,000.00    | 3.00            | -                    | 3.00            | 600,000.00          |
| 6                       | Mohammad Rashidul Islam | Mechanical Engineer                 | 175,000        | 3.00   | -                    | 3.00  | 525,000.00    | 3.00            | -                    | 3.00            | 525,000.00          |
| <b>B. NON-KEY STAFF</b> |                         |                                     |                |  |                      |   |               |                 |                      |                 |                     |
| 7                       | S.M. Mohtasim Billah    | Resident Engineer (Civil-1)         | 100,000        | -  | 18.00                | 18.00   | 1,800,000.00  | -               | 21.60                | 21.60           | 2,160,000.00        |
| 8                       | Mahmudul Hasan          | Resident Engineer (Civil-2)         | 100,000        | -  | 18.00                | 18.00   | 1,800,000.00  | -               | 21.60                | 21.60           | 2,160,000.00        |
| 9                       | Md. Moklesur Rahman     | Resident Engineer (Civil-3)         | 100,000        | -  | 18.00                | 18.00   | 1,800,000.00  | -               | 21.60                | 21.60           | 2,160,000.00        |
| 10                      | Amit Saha               | Resident Engineer (Electrical)      | 100,000        | -  | 18.00                | 18.00   | 1,800,000.00  | -               | 21.60                | 21.60           | 2,160,000.00        |
| 11                      | Haradhan Dhar           | Resident Engineer (Mechanical)      | 100,000        | -  | 18.00                | 18.00   | 1,800,000.00  | -               | 21.60                | 21.60           | 2,160,000.00        |
| 12                      | S.M. Morshedul Hasin    | Hydro-geologist                     | 100,000        | -  | 18.00                | 18.00   | 1,800,000.00  | -               | 21.60                | 21.60           | 2,160,000.00        |
| <b>TOTAL:</b>           |                         | <b>18.00</b>                        | <b>123.00</b>  | <b>141.00</b>                                      | <b>17,775,000.00</b> | <b>18.00</b>  | <b>148.20</b> | <b>166.20</b>   | <b>20,745,000.00</b> | <b>25.20</b>    | <b>2,970,000.00</b> |

**Form 5B4 : Breakdown of Reimbursable Expenses**

| Sl.<br>No. | Description  | Unit                         | Unit Cost<br>(Taka) | Original Contract (5 June 2019 to 4 December 2019) |                      |            | Revised Contract (5 December 2019 to 21 March 2020) |                      |                      | Additional Cost |                      |        |                            |            |
|------------|--|------------------------------|---------------------|--|----------------------|------------|---|----------------------|----------------------|-----------------|----------------------|--------|----------------------------|------------|
|            |  |                              |                     | Quantity   |                      | Total Taka | Design Phase  |                      | Implementation Phase | Total           | Total Taka           |        |                            |            |
|            |  |                              |                     | Design Phase                                       | Implementation Phase | Total      | Design Phase  | Implementation Phase | Total                | Design Phase    | Implementation Phase | Total  |                            |            |
| 1          | Per Diem   | Day                          | 2,000               | 10   | 50.00                | 60.00      | 120,000.00  | 10                   | 250.00               | 260.00          | 520,000.00           | 200.00 | 2,000                      | 400,000.00 |
| 2          | <b>Travel Expense:</b>   |                              |                     |  |                      |            |   |                      |                      |                 |                      |        |                            | -          |
|            | i. Field visit by land transport   | Trip                         | 10,000              | 5  | 30.00                | 35.00      | 350,000.00  | 5                    | 30.00                | 35.00           | 350,000.00           | -      | -                          | 0          |
|            | ii. Vehicle rental and Fuel on actual basis<br>(Team Leader)                                     | Month                        | 80,000              | 3  | 15.00                | 18.00      | 1,440,000.00  | 3                    | 22.00                | 25.00           | 2,000,000.00         | 7.00   | 80,000                     | 560,000.00 |
|            | iii. Vehicle rental and Fuel on actual basis<br>(Other Experts of design phase)                  | Month                        | 80,000              | 3  | -                    | -          | 240,000.00  | 3                    | -                    | 3.00            | 240,000.00           | 3.00   | 80,000                     | 240,000.00 |
| 3          | Communication Cost   | Month                        | 5,000               | 3  | 15.00                | 18.00      | 90,000.00   | 3                    | 18.60                | 21.60           | 108,000.00           | 3.60   | 5,000                      | 18,000.00  |
| 4          | <b>Rental of Office Furniture &amp; Equipment:</b>   |                              |                     |  |                      |            |   |                      |                      |                 |                      |        |                            | -          |
|            | i. Use of Software, Computer with Accessories, printer, photocopier, scanner, etc.               | Month                        | 15,000              | 3  | 15.00                | 18.00      | 270,000.00  | 3                    | 18.60                | 21.60           | 324,000.00           | 3.60   | 15,000                     | 54,000.00  |
|            | ii. Furniture and Fixtures   | Month                        | 15,000              | 3  | 15.00                | 18.00      | 270,000.00  | 3                    | 18.60                | 21.60           | 324,000.00           | 3.60   | 15,000                     | 54,000.00  |
| 5          | Office utilities at Dhaka & Site Offices   | Month                        | 10,000              | 3  | 15.00                | 18.00      | 180,000.00  | 3                    | 15.00                | 18.00           | 180,000.00           | -      | 10,000                     | -          |
| 6          | Topographic Survey & Sub-soil Investigation including Hydro-geological Investigation             | Each Poursava                | 50,000              | 4  | -                    | 4.00       | 200,000.00  | 4                    | -                    | 4.00            | 200,000.00           | -      | -                          | -          |
| 7          | Laboratory Tests for Ground Water of the existing DTWs, Surface Water quality etc.               | Each Poursava                | 20,000              | 4  | -                    | 4.00       | 80,000.00   | 4                    | -                    | 4.00            | 80,000.00            | -      | 50,000                     | -          |
| 8          | Data acquisition and GIS Mapping consumables   | Each poursava                | 40,000              | 4  | -                    | 4.00       | 160,000.00  | 4                    | -                    | 4.00            | 160,000.00           | -      | -                          | -          |
| 9          | Office Stationeries and Computer   | Month                        | 10,000              | 3  | 15.00                | 18.00      | 180,000.00  | 3                    | 18.60                | 21.60           | 216,000.00           | 3.60   | 10,000                     | 36,000.00  |
| 10         | <b>Drafting, Reproduction of Reports:</b>  |                              |                     |  |                      |            |   |                      |                      |                 |                      |        |                            | -          |
|            | i. Inception Report  | Copy                         | 2,000               | 5  | -                    | 5.00       | 10,000.00   | 5                    | -                    | 5.00            | 10,000.00            | -      | -                          | -          |
|            | ii. Work Progress Report   | Copy                         | 1,000               | 15   | 30.00                | 45.00      | 45,000.00   | 15                   | 30.00                | 45.00           | 45,000.00            | -      | -                          | -          |
|            | iii. Water sources assessment including treatment process report                                 | 5 copies each of 4 poursava  | 2,000               | 20   | -                    | 20.00      | 40,000.00   | 20                   | -                    | 20.00           | 40,000.00            | -      | -                          | -          |
|            | iv. Update Feasibility and Draft Design Report   | 5 copies each of 4 poursavas | 4,000               | 20   | -                    | 20.00      | 80,000.00   | 20                   | -                    | 20.00           | 80,000.00            | -      | 20,000                     | -          |
|            | v. Draft Design Calculation in Excel Format, GIS shape files, AutoCAD files etc.                 | Copy                         | 4,000               | 5  | -                    | 5.00       | 20,000.00   | 5                    | -                    | 5.00            | 20,000.00            | -      | -                          | -          |
|            | vi. Draft Final Design Report  | 5 copies each of 4 poursavas | 5,000               | 20   | -                    | 20.00      | 100,000.00  | 20                   | -                    | 20.00           | 100,000.00           | -      | -                          | -          |
|            | vii. Final Design Calculation in Excel Format, GIS shape files, AutoCAD files in DWG format etc. | Copy                         | 5,000               | 5  | -                    | 5.00       | 25,000.00   | 5                    | -                    | 5.00            | 25,000.00            | -      | 4,000                      | -          |
|            | viii. Tender Document  | Copy                         | 1,500               | 25   | -                    | 25.00      | 37,500.00   | 25                   | -                    | 25.00           | 37,500.00            | -      | 5,000                      | -          |
|            | ix. Training Manual for Capacity building and O&M Manual for Water Treatment & Supply System     | Copy                         | 3,000               | -  | 5.00                 | 15,000.00  | -   | 5.00                 | 5,000                | 15,000.00       | -                    | 1,500  | -                          |            |
|            | x. Draft Completion Report   | Copy                         | 10,000              | -  | 5.00                 | 50,000.00  | -   | 5.00                 | 5,000                | 50,000.00       | -                    | 3,000  | -                          |            |
|            | xi. Draft Final Completion Report  | Copy                         | 15,000              | -  | 15.00                | 225,000.00 | -   | 15.00                | 15,000               | 225,000.00      | -                    | 15,000 | -                          |            |
| 11         | <b>Support Staff:</b>  |                              |                     |  |                      |            |   |                      |                      |                 |                      |        |                            | -          |
|            | i. Junior Engineer (Civil) - 2 nos.  | Month                        | 50,000              | 6  | -                    | 6.00       | 300,000.00  | 6                    | -                    | 6.00            | 300,000.00           | -      | 50,000                     | -          |
|            | ii. AutoCAD Operator   | Month                        | 40,000              | 3  | -                    | 3.00       | 120,000.00  | 3                    | -                    | 3.00            | 120,000.00           | -      | 40,000                     | -          |
|            | iii. Computer Operator   | Month                        | 30,000              | 3  | 15.00                | 18.00      | 540,000.00  | 3                    | 18.60                | 21.60           | 648,000.00           | 3.60   | 30,000                     | 108,000.00 |
|            | iv. Photocopy Machine Operator   | Month                        | 20,000              | 3  | 15.00                | 18.00      | 360,000.00  | 3                    | 18.60                | 21.60           | 432,000.00           | 3.60   | 20,000                     | 72,000.00  |
|            | v. Peon  | Month                        | 15,000              | 3  | 15.00                | 18.00      | 270,000.00  | 3                    | 18.60                | 21.60           | 324,000.00           | 3.60   | 15,000                     | 54,000.00  |
|            |  |                              |                     |  |                      |            |   |                      |                      |                 |                      |        | <b>TOTAL: 5,817,500.00</b> |            |
|            |  |                              |                     |  |                      |            |   |                      |                      |                 |                      |        | <b>TOTAL: 7,173,500.00</b> |            |

**Attachment 1:**  
**Time extension request letter of Project**  
**Director**

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Attachment-1

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার  
জনস্বাস্থ্য প্রকল্পেল অধিদপ্তর, প্রকল্প পরিচালকের কার্যালয়  
৩৭ জেলা শহরে পানি সরবরাহ প্রকল্প  
১৪, শহীদ ক্যাম্পেল মনসুর আলী সরণী, কাকরাইল, ঢাকা।  
e-mail : pd37dche@gmail.com

উন্নয়নের গণতন্ত্র  
শেখ হাসিনার মূলমন্ত্র

স্মারক নং- ৪৬.০৩.২৬০০.৫১১.৯৯.১৪.২০১৯/ ৯৯২৪

তারিখঃ- ২৬/১১/২০১৯খ্রি

প্রেরকঃ প্রকল্প পরিচালক,  
৩৭ জেলা শহরে পানি সরবরাহ প্রকল্প  
জনস্বাস্থ্য প্রকল্পেল অধিদপ্তর, ঢাকা।

প্রাপকঃ প্রধান প্রকৌশলী  
জনস্বাস্থ্য প্রকল্পেল অধিদপ্তর  
বাংলাদেশ সরকার, ঢাকা।

বিষয়ঃ ৩৭ জেলা শহরে পানি সরবরাহ প্রকল্পের আওতায় RDPP-তে সংস্কৃত অসমান Revised Estimate, Design এবং Work Supervision এর অবশিষ্ট কাজ প্রকল্পে নিয়োজিত পরামর্শক প্রতিষ্ঠান EPC-ORG (JV) দ্বারা সম্পাদনের অনুমতি প্রদান প্রসঙ্গে।

যথোথ সম্মান সহকারে উল্লেখিত বিষয়ের প্রেক্ষিতে জানানো যাচ্ছে যে, ৩৭ জেলা শহরে পানি সরবরাহ প্রকল্প (২য় সংশোধিত) এর কাজ ডিসেম্বর ২০১০ হতে শুরু হয়ে জুন ২০১৯ পর্যন্ত নির্ধারিত ছিল। প্রকল্পটি ২য় সংশোধনের সময়ে ৪টি পানি শোধনাগার ৭টি ওভারহেড ট্যাংক, পাইপ লাইন, উৎপাদক নলকৃপসহ বিভিন্ন ভৌত কাজ বৃদ্ধি করা হয়। উক্ত কাজগুলির Design, Drawing, Estimate প্রস্তুত ও Work Supervision করার লক্ষ্যে বিষয়ে উল্লেখিত পরামর্শক প্রতিষ্ঠানের সাথে চুক্তি স্বাক্ষরিত হয় (সংযুক্তি-১)। নির্ধারিত সময়ে প্রকল্পের সকল ভৌত কাজ সম্পন্ন না হওয়ায় পরবর্তীতে ব্যয় বৃদ্ধি ব্যতীর্ণেকে প্রকল্পের মেয়াদ জুন ২০২০ পর্যন্ত বৃদ্ধি করা হয়। ভৌত কাজের তদারকি, Revised Estimate নিরীক্ষা, চূড়ান্ত বিল ঘাটাই কাজগুলি পরামর্শক প্রতিষ্ঠানের সহযোগী ছাড়া শুধুমাত্র প্রকল্পে নিয়োজিত জনবল দ্বারা সম্পন্ন করা কষ্টসাধ্য।

২। প্রকল্পের পরামর্শক প্রতিষ্ঠানের সঙ্গে জনস্বাস্থ্য প্রকল্পেল অধিদপ্তরের সম্পাদিত চুক্তি ৪ ডিসেম্বর ২০১৯খ্রি তারিখে সমান্তর হবে। প্রকল্পের বাস্তবায়নাধীন কাজের গুরুত্বাদীন রক্ষা, সার্বক্ষণিক তদারকি এবং ডিজাইন সংস্কারণ জাটিলতা সংশোধনের জন্য ৪ ডিসেম্বর ২০১৯খ্রি হতে ২১ মার্চ ২০২০খ্রি (১০৮ দিন) পর্যন্ত সংশোধিত আকারে জনবলসহ পরামর্শক প্রতিষ্ঠানের ব্যয় ও সময় বৃদ্ধি করা প্রয়োজন।

৩। EPC-ORG (JV) কর্তৃক প্রকল্পের DPP-তে উল্লেখিত বিভিন্ন অংগের Design, Estimate ইতোমধ্যে সমান্ত করা হয়েছে। উক্ত ডিজাইন আনুযায়ী মাঠ পর্যায়ে বিভিন্ন জেলায় কাজ বাস্তবায়নাধীন রয়েছে। বাস্তবায়নাধীন কাজগুলির তদারকিসহ Revised Estimate ও চূড়ান্ত বিল ঘাটাই এর জন্য উক্ত প্রতিষ্ঠানের সময় বৃদ্ধি করা প্রয়োজন।

৪। বর্ণিত অবস্থার আলোকে আলোচ্য প্রকল্পের কাজ সঠিকভাবে সমাপ্ত করণসহ প্রকল্পের মূল উদ্দেশ্য অর্জনের লক্ষ্যে প্রকল্পের কাজ যাথাযথভাবে সম্পাদনের নিমিত্তে প্রকল্পে বর্তমানে নিয়োজিত পরামর্শক প্রতিষ্ঠান EPC-ORG (JV) কে কারিগরী আঙ্গকে অর্জিত অভিজ্ঞতা এবং অব্যাহত পেশাগত দায়বদ্ধতার ধারাবাহিকতা অঙ্গুল রাখার স্বার্থে অসমান Supervision দায়িত্ব অর্পণসহ উক্ত প্রতিষ্ঠানের কাজের মেয়াদ ০৪ ডিসেম্বর ২০১৯ হতে ২১ মার্চ ২০২০ পর্যন্ত বৃদ্ধি পূর্বক সর্বমোট সংশোধিত মূল্য বাবদ ৩৬৪.৮৪৪ লক্ষ টাকা অনুমোদনের জন্য অনুরোধ করা হলো। যা চুক্তি মূল্যের ১২.৮৯% এবং সময় বৃদ্ধির আলোকে ২০% এর অধিক নয়। উল্লেখ্য যে পরামর্শক অল্প অন্তরিত টাকার সংস্থান আছে (সংযুক্তি-২)। আরো উল্লেখ্য যে, পরামর্শক প্রতিষ্ঠান অত্র দণ্ডের স্মারক নং ৯৯১৭ তারিখঃ ২৪/১১/২০১৯খ্রি প্রেক্ষিতে Engineering & Planning Consultants Ltd. (EPC) and Operations Research Group Pvt. Ltd. (ORG)কে ৩৭ জেলা শহরে পানি সরবরাহ প্রকল্পের অতিরিক্ত সময়ের কাজ করতে সম্মত আছে (সংযুক্তি-৩)।

৪  
S.

৫। পরামর্শক প্রতিষ্ঠান মিয়োগের জন্য প্রধান প্রকৌশলী, জনস্বাস্থ্য প্রকৌশল অধিদপ্তর স্মারক নং-৪৬.০৩.০০০০.  
০০১.৩৫.০০১.১৩-৫৪২৫ তারিখঃ ০৪/০৬/২০১৮খ্রিঃ অনুমোদন দেওয়া হয়েছে (সংযুক্ত-৪ ও ৫)। এই ধারাবাহিকতায়  
অনুমোদনকারী কর্তৃপক্ষ হিসাবে প্রধান প্রকৌশলী জনস্বাস্থ্য প্রকৌশল অধিদপ্তর হতে বর্ণিত প্রস্তাব অনুমোদনের প্রয়োজনীয়  
ব্যবস্থা গ্রহণের জন্য অনুরোধ করা হলো।

সংযুক্তি বর্ণনামতে।

২৫/০৩/২০১৯  
( প্রকৌশল নূর আহামদ )  
প্রকল্প পরিচালক   
তারিখঃ ২৫/০৩/২০১৯খ্রিঃ

স্মারক নং- ৪৬.০৩.২৬০০.৫১১.৯৯.১৪.২০১৯/নং ২৪/২

অনুলিপি ১ সদয় অবগতির জন্য প্রেরণ করা হলোঁ:

- ১। অতিরিক্ত প্রধান প্রকৌশলী, জনস্বাস্থ্য প্রকৌশল অধিদপ্তর, বাংলাদেশ সরকার, ঢাকা।
- ২। নির্বাহী পরিচালক, পরামর্শক প্রতিষ্ঠান, EPC-ORG (JV), লালমাটিয়া, ঢাকা।

২৫/০৩/২০১৯  
( প্রকৌশল নূর আহামদ )  
প্রকল্প পরিচালক   
তারিখঃ ২৫/০৩/২০১৯

**Form 5B2 Summary of Costs**

| Cost Component                   | Original Cost (Tk) | Revised Cost (Tk) | Change (%) |
|----------------------------------|--------------------|-------------------|------------|
| Staff Remuneration (Form 5B3)    | 17775000           | 20,745,000.00     |            |
| Reimbursable Expenses (Form 5B4) | 5817500            | 7,173,500.00      |            |
| Sub Total                        | 23,592,500         | 27,918,500.00     |            |
| *Income Tax (12%)                | 3,878,219          | 3,807,068.18      |            |
| *VAT (15%)                       | 4,847,774          | 4,758,836.23      |            |
| Total Local Tax* (IT+VAT)=27%    | 8725993.15         | 8,565,903.41      |            |

  
 26/11/19  
 (নূর আহসান)  
 অকর পরিচালক  
 ৩৭ জেলা শহর পানি সরবরাহ একাড  
 ম্যানেজমেন্ট অডিওলজ অধিদপ্তর, ঢাকা।

**Form 5B3 : Breakdown of Staff Remuneration**

| Sl. No.                 | Name                    | Designation                         | Rate    | Number of Days | Amount | Rate  | Number of Days | Amount | Rate  | Number of Days | Amount       |
|-------------------------|-------------------------|-------------------------------------|---------|----------------|--------|-------|----------------|--------|-------|----------------|--------------|
| <b>A. KEY STAFF</b>     |                         |                                     |         |                |        |       |                |        |       |                |              |
| 1                       | Md. Shamsuddin          | Team Leader                         | 225,000 | 3.00           | 15.00  | 15.00 | 4,050,000.00   | 3.00   | 18.60 | 21.60          | 4,860,000.00 |
| 2                       | Abul Bashar             | Water Quality/ Treatment Specialist | 200,000 | 3.00           | -      | 3.00  | 600,000.00     | 3.00   | -     | 3.00           | 600,000.00   |
| 3                       | Mustafizur Rahman       | Structural Engineer                 | 200,000 | 3.00           | -      | 3.00  | 600,000.00     | 3.00   | -     | 3.00           | 600,000.00   |
| 4                       | Md. Sadeque Hossain     | Pipe Network Designer-1             | 200,000 | 3.00           | -      | 3.00  | 600,000.00     | 3.00   | -     | 3.00           | 600,000.00   |
| 5                       | BMAA Multadir           | Pipe Network Designer-2             | 200,000 | 3.00           | -      | 3.00  | 600,000.00     | 3.00   | -     | 3.00           | 600,000.00   |
| 6                       | Mohammad Rashedul Islam | Mechanical Engineer                 | 175,000 | 3.00           | -      | 3.00  | 525,000.00     | 3.00   | -     | 3.00           | 525,000.00   |
| <b>B. NON-KEY STAFF</b> |                         |                                     |         |                |        |       |                |        |       |                |              |
| 7                       | S.M. Mohtasim Billah    | Resident Engineer (Civil-1)         | 100,000 | -              | 18.00  | 18.00 | 1,800,000.00   | -      | 21.60 | 21.60          | 2,160,000.00 |
| 8                       | Mahmudul Hasan          | Resident Engineer (Civil-2)         | 100,000 | -              | 18.00  | 18.00 | 1,800,000.00   | -      | 21.60 | 21.60          | 2,160,000.00 |
| 9                       | Md. Moklesur Rahman     | Resident Engineer (Civil-3)         | 100,000 | -              | 18.00  | 18.00 | 1,800,000.00   | -      | 21.60 | 21.60          | 2,160,000.00 |
| 10                      | Amit Saha               | Resident Engineer (Electrical)      | 100,000 | -              | 18.00  | 18.00 | 1,800,000.00   | -      | 21.60 | 21.60          | 2,160,000.00 |
| 11                      | Haradhan Dhar           | Resident Engineer (Mechanical)      | 100,000 | -              | 18.00  | 18.00 | 1,800,000.00   | -      | 21.60 | 21.60          | 2,160,000.00 |
| 12                      | S.M. Morshedul Hasin    | Hydro-geologist                     | 100,000 | -              | 18.00  | 18.00 | 1,800,000.00   | -      | 21.60 | 21.60          | 2,160,000.00 |

26.11.19  
 (পুর আব্দুল্লাহ)  
 বিকল্প পরিচালক  
 ১৭ জেলা শহীদ পানি সংস্থার অধীন  
 ফরমাণ পানি পরিচালনা বিভাগ, ঢাকা।

### **Form 5B4 : Breakdown of Reimbursable Expenses**

|       |  |                                |        |    |       |           |              |      |        |           |              |        |
|-------|--|--------------------------------|--------|----|-------|-----------|--------------|------|--------|-----------|--------------|--------|
|       |  |                                |        |    |       |           |              |      |        |           |              |        |
| 1     | Per Dem  | Day                            | 2,000  | 10 | 50.00 | 60.00     | 120,000.00   | 10   | 250.00 | 260.00    | 520,000.00   | 200.00 |
| 2     | Travel Expenses:   | Trip                           | 10,000 | 5  | 30.00 | 35.00     | 350,000.00   | 5    | 30.00  | 35.00     | 350,000.00   | -      |
| i.    | Field visit by Land transport  | Month                          | 80,000 | 3  | 15.00 | 18.00     | 1,440,000.00 | 3    | 22.00  | 25.00     | 2,000,000.00 | -      |
| ii.   | Vehicle rental and Fuel on actual basis  | Month                          | 80,000 | 3  | -     | -         | 240,000.00   | 3    | -      | 3.00      | 240,000.00   | 7.00   |
| iii.  | Other Experts of design phase  | Month                          | 5,000  | 3  | 15.00 | 18.00     | 90,000.00    | 3    | 18.00  | 21.00     | 108,000.00   | 3.00   |
| 3     | Communication Cost   |                                |        |    |       |           |              |      |        |           |              |        |
| 4     | Rental of Office Furniture & Equipment:  | Month                          | 15,000 | 3  | 15.00 | 18.00     | 270,000.00   | 3    | 18.00  | 21.00     | 324,000.00   | -      |
| i.    | Use of Software, Computer with Accessories, printer, photocopier, scanner, etc.                  | Month                          | 15,000 | 3  | 15.00 | 18.00     | 270,000.00   | 3    | 18.00  | 21.00     | 324,000.00   | 3.60   |
| ii.   | Furniture and Fixtures   | Month                          | 10,000 | 3  | 15.00 | 18.00     | 180,000.00   | 3    | 15.00  | 18.00     | 180,000.00   | 3.60   |
| 5     | Office utilities at Dhaka & Staff Offices  | Each Poursava                  | 50,000 | 4  | -     | 4.00      | 200,000.00   | 4    | -      | 4.00      | 200,000.00   | -      |
| 6     | Topographic Survey & Sub-soil Investigation including Hydro-geological Investigation             | Each Poursava                  | 20,000 | 4  | -     | 4.00      | 80,000.00    | 4    | -      | 4.00      | 80,000.00    | -      |
| 7     | Laboratory Tests for Ground Water & Water quality etc. existing DTWs, Surface Water quality etc. | Each poursesava                | 40,000 | 4  | -     | 4.00      | 160,000.00   | 4    | -      | 4.00      | 160,000.00   | -      |
| 8     | Data acquisition and GIS Mapping   | Each poursesava                | 10,000 | 3  | 15.00 | 18.00     | 180,000.00   | 3    | 18.00  | 21.00     | 216,000.00   | 3.60   |
| 9     | Office Stationeries and Computer consumables   | Month                          |        |    |       |           |              |      |        |           |              | 10,000 |
| 10    | Drafting, Reproduction of Reports:   |                                |        |    |       |           |              |      |        |           |              |        |
| i.    | Inception Report   | Copy                           | 2,000  | 5  | -     | 5.00      | 10,000.00    | 5    | -      | 5.00      | 10,000.00    | -      |
| ii.   | Work Progress Report   | Copy                           | 1,000  | 15 | 30.00 | 45.00     | 45,000.00    | 15   | 30.00  | 45.00     | 45,000.00    | -      |
| iii.  | Water sources assessment including treatment process report                                      | 5 copies each of 4 poursesava  | 2,000  | 20 | -     | 20.00     | 40,000.00    | 20   | -      | 20.00     | 40,000.00    | -      |
| iv.   | Update Feasibility and Draft Design Report   | 5 copies each of 4 poursesaves | 4,000  | 20 | -     | 20.00     | 80,000.00    | 20   | -      | 20.00     | 80,000.00    | -      |
| v.    | Draft Design Calculation in Excel Format, GIS shape files, AutoCAD files etc.                    | Copy                           | 4,000  | 5  | -     | 5.00      | 20,000.00    | 5    | -      | 5.00      | 20,000.00    | -      |
| vi.   | Draft Final Design Report  | 5 copies each of 4 poursesaves | 5,000  | 20 | -     | 20.00     | 100,000.00   | 20   | -      | 20.00     | 100,000.00   | -      |
| vii.  | Final Design Calculation in Excel Format, GIS shape files, AutoCAD files in DWG format etc.      | Copy                           | 5,000  | 5  | -     | 5.00      | 25,000.00    | 5    | -      | 5.00      | 25,000.00    | -      |
| viii. | Temporary Document   | Copy                           | 1,500  | 25 | -     | 25.00     | 37,500.00    | 25   | -      | 25.00     | 37,500.00    | -      |
| ix.   | Training Manual for Capacity building and O&M Manual for Water Treatment & Supply System         | Copy                           | 3,000  | -  | 5.00  | 15,000.00 | -            | 5.00 | 5.00   | 15,000.00 | -            | 1,500  |
| x.    | Draft Completion Report  | Copy                           | 10,000 | -  | 5.00  | 5.00      | 50,000.00    | -    | 5.00   | 6.00      | 50,000.00    | -      |
| xi.   | Draft Final Completion Report  | Copy                           | 15,000 | -  | 15.00 | 15.00     | 225,000.00   | -    | 15.00  | 15.00     | 225,000.00   | -      |
| 11    | Support Staff:   |                                |        |    |       |           |              |      |        |           |              |        |
| i.    | Junior Engineer (Civil) - 2 nos.   | Month                          | 50,000 | 6  | -     | 6.00      | 300,000.00   | 6    | -      | 6.00      | 300,000.00   | 0      |
| ii.   | AutoCAD Operator   | Month                          | 40,000 | 3  | -     | 3.00      | 120,000.00   | 3    | -      | 3.00      | 120,000.00   | 40,000 |
| iii.  | Computes Operator  | Month                          | 30,000 | 3  | 15.00 | 18.00     | 540,000.00   | 3    | 18.00  | 21.00     | 648,000.00   | 3.60   |
| iv.   | Photocopy Machine Operator   | Month                          | 20,000 | 3  | 15.00 | 18.00     | 360,000.00   | 3    | 18.00  | 21.00     | 432,000.00   | 3.60   |
| v.    | Pean   | Month                          | 15,000 | 3  | 15.00 | 18.00     | 270,000.00   | 3    | 18.00  | 21.00     | 324,000.00   | 3.60   |

(ନୂର ଆହୁମ୍ୟଦ )  
ପ୍ରକଳ୍ପ ପରିଚାଳକ  
୩୧ ଜୁଲାଇ ୨୦୧୫ ପାତି ସରବରାତି ଶ୍ରୀମଦ୍ଭଗବତ

**Attachment 2:**  
**Approval letter of Addendum-1**

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**Attachment-2**

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার  
 জনস্বাস্থ্য প্রকৌশল অধিদপ্তর  
 ১৪, শহীদ ক্যাপ্টেন মনসুর আলী সরণি  
 কাকরাইল, ঢাকা-১০০০।

উন্নয়নের গণতন্ত্র  
 শেখ হাসিনার মূলমন্ত্র

স্মারক নং-৪৬,০৩,০০০০,০০১,২০,০০১,১৩- ৬৪০৮

তারিখ- ২৭ /১২ /২০১৯ খ্রি:

প্রেরক : প্রধান প্রকৌশলী  
 জনস্বাস্থ্য প্রকৌশল অধিদপ্তর  
 বাংলাদেশ সরকার, ঢাকা।

প্রাপক : প্রকল্প পরিচালক  
 ৩৭ জেলা শহরে পানি সরবরাহ প্রকল্প  
 জনস্বাস্থ্য প্রকৌশল অধিদপ্তর, ঢাকা।

বিষয় : ৩৭ জেলা শহরে পানি সরবরাহ প্রকল্পের আওতায় RDPP-তে সংস্থানকৃত অসমাঞ্ছ কাজের Revised Estimate,Design এবং Work Supervision এর অবশিষ্ট কাজ প্রকল্পে নিয়োজিত পরামর্শক প্রতিষ্ঠান EPC-ORG (JV) দ্বারা সম্পাদনের অনুমতি প্রদান প্রসঙ্গে।

সূত্র : আপনার কার্যালয় স্মারক নং- ৯৯২৪; তারিখ: ২৬/১১/২০১৯ খ্রি:

উপর্যুক্ত বিষয় ও সূত্রের আলোকে জানানো ঘাচ্ছে যে, ৩৭ জেলা শহরে পানি সরবরাহ প্রকল্প (২য় সংশোধিত) এর কাজ ডিসেম্বর ২০১০ হতে শুরু হয়ে জুন ২০১৯ পর্যন্ত নির্ধারিত ছিল। প্রকল্পটি ২য় সংশোধনের সময়ে ৪টি পানি শোধনাগার দ্বি-গুণ উভারহেড ট্যাঙ্ক, পাইপ লাইন, উৎপাদক নলকৃপসহ বিভিন্ন ভৌত কাজ বৃদ্ধি করা হয়। নির্ধারিত সময়ে প্রকল্পের সকল ভৌত কাজ সম্পন্ন না হওয়ায় পরবর্তীতে ব্যয় বৃদ্ধি ব্যতিরেকে প্রকল্পের মেয়াদ জুন ২০২০ পর্যন্ত বৃদ্ধি করা হয়। RDPP-তে সংস্থানকৃত কাজগুলির Design, Drawing, Estimate প্রস্তুত ও Work Supervision করার লক্ষ্যে পরামর্শক প্রতিষ্ঠান EPC-ORG (JV) এর সাথে চুক্তি স্বাক্ষরিত হয়। প্রকল্পের পরামর্শক প্রতিষ্ঠানের সঙ্গে জনস্বাস্থ্য প্রকৌশল অধিদপ্তরের সম্পাদিত চুক্তি ৪ ডিসেম্বর ২০১৯ খ্রি: তারিখে সমাপ্ত হবে।

আপনি পত্রে উল্লেখ করেছেন, ভৌত কাজের তদারকি, Revised Estimate নিরীক্ষা, চূড়ান্ত বিল যাচাই কাজগুলি পরামর্শক প্রতিষ্ঠানের সহযোগিতায় হাতোড়া শুধুমাত্র প্রকল্পে নিয়োজিত জনবল দ্বারা সম্পন্ন করা কষ্টসাধ্য। প্রকল্পের বাস্তবায়নাধীন কাজের গুণগতমান রক্ষা, সার্বক্ষণিক তদারকি এবং ডিজাইন সংক্রান্ত জটিলতা সংশোধনের জন্য ৪ ডিসেম্বর ২০১৯ খ্রি: হতে ২১ মার্চ ২০২০ খ্রি: (১০৮ দিন) পর্যন্ত সংশোধিত আকারে জনবলসহ পরামর্শক প্রতিষ্ঠানের ব্যয় ও সময় বৃদ্ধি করা প্রয়োজন। EPC-ORG (JV) কর্তৃক প্রকল্পের DPP-তে উল্লেখিত বিভিন্ন অংগের Design, Estimate ইতোমধ্যে সমাপ্ত করা হয়েছে। উক্ত ডিজাইন অনুযায়ী মাঠ পর্যায়ে বিভিন্ন জেলায় কাজ বাস্তবায়নাধীন রয়েছে। বাস্তবায়নাধীন কাজগুলির তদারকিসহ Revised Estimate ও চূড়ান্ত বিল যাচাই এর জন্য উক্ত প্রতিষ্ঠানের সময় বৃদ্ধি করা প্রয়োজন। বর্ণিত অবস্থার আলোকে আলোচ্য প্রকল্পের কাজ সঠিকভাবে সমাপ্ত করার পূর্বে প্রকল্পের মূল উদ্দেশ্য অর্জনের লক্ষ্যে প্রকল্পের কাজ যাথাযথভাবে সম্পাদনের নিমিত্তে প্রকল্পে বর্তমানে নিয়োজিত পরামর্শক প্রতিষ্ঠান EPC-ORG (JV) কে কারিগরী আঙ্গিকে অসমাঞ্ছ Supervision দায়িত্ব অর্পণসহ উক্ত প্রতিষ্ঠানের কাজের মেয়াদ ০৪ ডিসেম্বর ২০১৯ হতে ২১ মার্চ ২০২০ পর্যন্ত বৃদ্ধি পূর্বক সর্বমোট সংশোধিত মূল্য বাবদ ৩৬৪,৮৪৪ লক্ষ টাকা অনুমোদনের জন্য প্রেরণ করেছেন। যা অনুমোদিত চুক্তি

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মূল্যের ১২.৮৯% এবং সময় বৃদ্ধির আলোকে ২০% এর অধিক নয়। উল্লেখ্য যে পরামর্শক অঙ্গে প্রাত্তাবিত টাকার সংজ্ঞান আছে। আরো উল্লেখ্য যে, পরামর্শক প্রতিষ্ঠান Engineering & Planning Consultants Ltd. (EPC) and Operations Research Group Pvt. Ltd. (ORG) ৩৭ জেলা শহরে পানি সরবরাহ প্রকল্পের অতিরিক্ত সময়ের কাজ করতে সম্মত আছে।

এমতাবস্থায় আপনার ঘটাঘতের ভিত্তিতে উক্ত প্রতিষ্ঠানের কাজের মেয়াদ ০৪ ডিসেম্বর ২০১৯ হতে ২১ মার্চ ২০২০ পর্যন্ত বৃদ্ধির প্রভাব (অনুমোদিত চুক্তি সম্পাদন সময়সীমার ২০% বৃদ্ধি) এবং সর্বমোট সংশোধিত মূল্য বাবদ ৩৬৪.৮৪৪ লক্ষ টাকা (অনুমোদিত চুক্তি মূল্যের ১২.৮৯% বৃদ্ধি) অনুমোদন করা হলো।

ইংবিলিউন্ড  
(মোঃ সাইফুর রহমান)  
প্রধান প্রকৌশলী  
প্রম:

ম্যারক নং-৪৬.০৩.০০০০.০০১.২০.০০১.১৩- ৬৪০৮(২)

তারিখ- ২৯ / ১২ / ২০১৯ খ্রি:

অনুলিপি :

- ১। অতিরিক্ত প্রধান প্রকৌশলী(পুর্ত), জনস্বাস্থ্য প্রকৌশল অধিদপ্তর, বাংলাদেশ সরকার, ঢাকা।
- ২। নির্বাহী পরিচালক, পরামর্শক প্রতিষ্ঠান, EPC-ORG (JV), লালমাটিয়া, ঢাকা।

ইংবিলিউন্ড  
(মোঃ সাইফুর রহমান)  
প্রধান প্রকৌশলী  
প্রম:

**Form 5B2 Summary of Costs**

| Cost Component                   | Capital Cost (Tk) | Operational Costs (Tk) | Percentage |
|----------------------------------|-------------------|------------------------|------------|
| Staff Remuneration (Form 5B3)    | 17775000          | 20,745,000.00          |            |
| Reimbursable Expenses (Form 5B4) | 5817500           | 7,173,500.00           |            |
|                                  |                   |                        |            |
| *Income Tax (12%)                | 3,878,219         | 3,807,068.18           | 12.89%     |
| *VAT (15%)                       | 4,847,774         | 4,758,835.23           |            |
| Total Local Tax* (IT+VAT)=27%    | 8725993.15        | 8,565,903.41           |            |

  
(নূর আহমেদ)  
একাদশ পরিচালক  
৩৭ জেলা শহুর পানি সরবরাহ একাদশ  
জনপ্রয়োগ বৈশিষ্ট্য অধিদপ্তর, ঢাকা।  
26/11/19

**Form 5B4 : Breakdown of Reimbursable Expenses**

**Form 5B3 : Breakdown of Staff Remuneration**

| Category                |                         | Designation                        |           | Remuneration |        | Contribution         |                  | Total Remuneration |  |
|-------------------------|-------------------------|------------------------------------|-----------|--------------|--------|----------------------|------------------|--------------------|--|
| Sl. No.                 | Name                    | Grade                              | Pay Scale | Basic Pay    | H.R.A. | Conveyance Allowance | Other Allowances | Contribution       | Total Remuneration                               |
| <b>A. KEY STAFF</b>     |                         |                                    |           |              |        |                      |                  |                    |  |
| 1                       | Md. Shamsuddin          | Team Leader                        | 225,000   | 3,00         | 16.00  | 18.00                | 4,050,000.00     | 3.00               | 18.60 21.60 4,860,000.00 3.60 225,000 810,000.00 |
| 2                       | Abul Basher             | Water Quality Treatment Specialist | 200,000   | 3,00         | -      | 3.00                 | 600,000.00       | 3.00               | - 3.00 600,000.00                                |
| 3                       | Mustafizur Rahman       | Structural Engineer                | 200,000   | 3,00         | -      | 3.00                 | 600,000.00       | 3.00               | - 3.00 600,000.00                                |
| 4                       | Md. Sadique Hossain     | Pipe Network Designer-1            | 200,000   | 3,00         | -      | 3.00                 | 600,000.00       | 3.00               | - 3.00 600,000.00                                |
| 5                       | BMA Muktadir            | Pipe Network Designer-2            | 200,000   | 3,00         | -      | 3.00                 | 600,000.00       | 3.00               | - 3.00 600,000.00                                |
| 6                       | Mohammed Rashedul Islam | Mechanical Engineer                | 175,000   | 3,00         | -      | 3.00                 | 525,000.00       | 3.00               | - 3.00 525,000.00                                |
| <b>B. NON-KEY STAFF</b> |                         |                                    |           |              |        |                      |                  |                    |  |
| 7                       | S.M. Mdhasim Billah     | Resident Engineer (Civil-1)        | 100,000   | -            | 16.00  | 16.00                | 1,800,000.00     | -                  | 21.60 2,160,000.00 3.60 100,000 360,000.00       |
| 8                       | Mehmudul Hasan          | Resident Engineer (Civil-2)        | 100,000   | -            | 16.00  | 16.00                | 1,800,000.00     | -                  | 21.60 2,160,000.00 3.60 100,000 360,000.00       |
| 9                       | Md. Moklesur Rahman     | Resident Engineer (Civil-3)        | 100,000   | -            | 16.00  | 16.00                | 1,800,000.00     | -                  | 21.60 2,160,000.00 3.60 100,000 360,000.00       |
| 10                      | Amit Saha               | Resident Engineer (Electrical)     | 100,000   | -            | 16.00  | 16.00                | 1,800,000.00     | -                  | 21.60 2,160,000.00 3.60 100,000 360,000.00       |
| 11                      | Haradhan Dhar           | Resident Engineer (Mechanical)     | 100,000   | -            | 16.00  | 16.00                | 1,800,000.00     | -                  | 21.60 2,160,000.00 3.60 100,000 360,000.00       |
| 12                      | S.M. Morshedul Hasin    | Hydro-geologist                    | 100,000   | -            | 16.00  | 16.00                | 1,800,000.00     | -                  | 21.60 2,160,000.00 3.60 100,000 360,000.00       |

26.11.19  
 (বুর আহসান  
 শেখ প্রিয়ালক  
 ৭১ জেলা পথর পানি সরকার কাল  
 অন্তর্বাহ প্রকল্প পরিষদ, ঢাকা।