



বাংলাদেশ বিদ্যুৎ উন্নয়ন বোর্ড



Central Secretariat  
Bangladesh Power Development Board (BPDB)  
WAPDA Building (1st Floor)  
Motijheel C/A, Dhaka, Bangladesh  
Telephone: 8802-9554209

**Bangladesh Power Development Board**

Memo No: 27.11.0000.101.14.035.22-3968

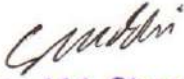
Date: 31/08/2022

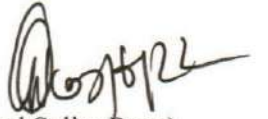
**Sub: Clarifications No. 01 Notice for Design, Supply, Construction, Erection, Installation, Testing and Commissioning of 05 Nos. 33/11kV New GIS Substation, 02 Nos. 33/11kV Substation (GIS Up-gradation), 33kV Bay-Extension at 02 Nos. Substation and 33kV Underground Cable Double Circuit Source Line with Civil and other related works including automation of the Sub-station (SAS) on Turnkey Basis under Power Distribution System Development, Chattogram Zone (2nd Phase), BPDB, Chattogram (GD-1, Lot-3).**

Ref.: Tender Invitation Memo No. 27.11.0000.101.14.035.22-3233, Date: 20/07/2022.

The undersigned is directed to enclose herewith the Clarifications No. 01 on the Tender Documents for Design, Supply, Construction, Erection, Installation, Testing and Commissioning of 05 Nos. 33/11kV New GIS Substation, 02 Nos. 33/11kV Substation (GIS Up-gradation), 33kV Bay-Extension at 02 Nos. Substation and 33kV Underground Cable Double Circuit Source Line with Civil and other related works including automation of the Sub-station (SAS) on Turnkey Basis under Power Distribution System Development, Chattogram Zone (2nd Phase), BPDB, Chattogram in response to the queries from Tenderers. Clarifications No. 01 is issued and posted in BPDB website. Moreover, who purchased Tender Document, are Requested to collect the Clarifications No. 01 form the Office of Power Distribution System Development, Chattogram Zone (2<sup>nd</sup> Phase), BPDB, Chattogram.

Encl: Clarifications No. 01.

  
**Engr. Md. Shamsuddin**  
ID No-1-1200  
Project Director  
Power Distribution System Development  
Chattogram Zone (2<sup>nd</sup> Phase)  
BPDB, Chattogram.


  
(Mohammad Salim Reza)  
Secretary  
Bangladesh Power Development Board  
(BPDB)  
Motijheel C/A, Dhaka-1000, Bangladesh  
Telephone: 8802-9554209

Memo No: 27.11.0000.101.14.035.22-3968

Date: 31/08/2022

Copy for information & necessary action to:

1. Member, Distribution/ P&D/Finance, BPDB, Dhaka.
2. Chief Engineer, P&D/Services, BPDB, Dhaka.
3. Project Director, Power Distribution System Development, Chattogram Zone (2nd Phase), BPDB, Chattogram.
4. C.S.O to Chairman, BPDB, Dhaka.
5. Director, Design & Inspection-2/Finance, BPDB, Dhaka.
6. Director, Public Relation, BPDB Dhaka.
7. Senior System Analyst, BPDB Dhaka. He is requested to post this Clarifications No. 01.in BPDB website.
8. M/S \_\_\_\_\_
9. Office copy

  
(Ahmed Bhuiyan Lipu)  
Assistant Secretary (Dev) (Additional)  
Central Secretariat  
BPDB, Dhaka.

Addendum-1

International Tender Ref. No.: 27.11.0000.101.14.035.22-3233, Dated- 20/07/2022 for "Design, Supply, Construction, Erection, Installation, Testing and Commissioning of 05 Nos. 33/11kV New GIS Substation, 02 Nos. 33/11kV Substation (GIS Up-gradation), 33kV Bay-Extension at 02 Nos. Substation and 33kV Underground Cable Double Circuit Source Line with Civil and other related works including automation of the Sub-station (SAS) on Turnkey Basis under Power Distribution System Development, Chattogram Zone (2nd Phase), BPDB, Chattogram." (LOT-3)

| Sl. No. | Tender Clause & Page No.         | Existing as in Tender Document  | Clarification Asked | Amendment/ Clarification/ Remarks  |
|---------|----------------------------------|---|---------------------|--|
| 1       | Section-2: TDS ITT 14.1(b)       | ii) For 33kV XLPE Power Cable:<br><br>*Similar nature means: Supply, installation, testing and commissioning of at least 33kV or higher voltage level and at least 1x800mm <sup>2</sup> or higher size Underground XLPE Cable on turnkey basis. |                     | Amended AS-<br>ii) For 33kV XLPE Power Cable:<br><br>*Similar nature means: Supply, installation, testing and commissioning of 33kV or higher voltage level Underground XLPE Cable on turnkey basis.   |
| 2       | Section-6<br>6.1.1.8<br>Page-352 | B. SUB-STATION / ELECTRICAL WORKS:<br>1) Supply and installation of 4(four) nos. 33kV Line Feeders comprising: 33kV VCB, CT, DS, LA, Control cable, Cable termination kit, PCM Panel, Supporting structures etc.                                |                     | Amended AS-<br>1) Supply and installation of 1 (one) nos 33 kV GIS Incoming Feeder , 1 no 33 kV GIS Bus Coupler with riser and 4(four) nos 33 kV GIS outgoing Feeders comprising: 33kV VCB, CT, DS, LA, Control cable, Cable termination kit, PCM Panel, Supporting structures etc. These 33 kV GIS must be compatible with existing GIS . |
| 3       | Section 6<br>Page-354            | 6.2 Bill of Quantities (BOQ)  |                     | Amended As-<br>6.1.2 Bill of Quantities (BOQ)  |
| 4       | Section 6<br>Page-367            | 6.2.1.5 Bill of Quantities for Design, Supply, Erection, Installation, Testing and Commissioning of 33/11kV, 2x20/26 MVA Regular Type GIS (Nasirabad Boys New) at S&D-Khulshi, BPDB, Chattogram.  |                     | Amended As-<br>6.1.2..5 Bill of Quantities for Design, Supply, Erection, Installation, Testing and Commissioning of 33/11kV, 2x20/26 MVA Regular Type GIS (Nasirabad Boys New) at S&D-Khulshi, BPDB, Chattogram.   |
| 5       | Page-417                         |   |                     | Amended As-<br>Volume -1, Page - 1 to 417<br>Volume -2, Page- 417 to End   |

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International Tender Ref. No.: 27.11.0000.101.14.035.22-3233, Dated- 20/07/2022 for "Design, Supply, Construction, Erection, Installation, Testing and Commissioning of 05 Nos. 33/11kV New GIS Substation, 02 Nos. 33/11kV Substation (GIS Up-gradation), 33kV Bay-Extension at 02 Nos. Substation and 33kV Underground Cable Double Circuit Source Line with Civil and other related works including automation of the Sub-station (SAS) on Turnkey Basis under Power Distribution System Development, Chattogram Zone (2nd Phase), BPDB, Chattogram." (LOT-3)

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|--|--|--|-----------------------------------|
| 6<br><br>Section-2: TDS<br>ITT 24.2(f) | <p>13. At least 02 (two) nos. of Manufacturer's Supply Experience (supported by Copy of Completion Certificate from Purchaser along with NOA/ Contract Agreement/ Purchase Order and the certificate shall contain End User's full mailing address, fax/telephone number, website address, domain e-mail address for the convenience of authentication) for offered type similar or higher capacity rating 33kV Gas Insulated Switchgear (GIS), Substation Automation System (SAS), Power Transformer, Station Transformer, 33kV Outdoor VCB, 33kV PCM Panel, 11kV Gas Insulated Switchgear (GIS) with PCM Panel, Battery &amp; Battery Charger, 33kV &amp; 11kV XLPE Power Cable, 33kV CT &amp; PT, 33 kV Isolators, 33 kV &amp; 11kV LA of same voltage class within the last 05 (five) years i.e. years counting backward from the date of publication of FT in the newspaper. Manufacturer's Supply Experience shall be furnished in the following supply record format. (The Supply Experience covering at least 25% (for 33kV, 1x800mm<sup>2</sup> XLPE Power Cable 5%) of the tendered quantity in a single contract will be considered only)::</p> | <p>We kindly request you to add the following eligibility criteria for <b>Power Transformer</b>.<br/>The following provision will be applicable for purchasing of Power Transformer from new local manufacturers:</p> <ul style="list-style-type: none"> <li>i. The New Manufacturer shall submit the following document with the Tender document:               <ul style="list-style-type: none"> <li>a) Location of the Factory &amp; layout plan.</li> <li>b) List of Capital Machineries (Related to manufacturer of the Tendered goods),</li> <li>c) Factory Project Profile</li> <li>d) Production Line description.</li> <li>e) List of Key Personnel (with Bio-data).</li> <li>f) Source of raw materials.</li> <li>g) Testing facilities &amp; calibration certificates of testing equipment.</li> </ul> </li> <li>ii. New Local Manufacturer's factory/manufacturing plant shall be visited &amp; inspected by the Tender Evaluation Committee (TEC) and/or TEC nominated members, to assess the New Manufacturer's production capability and will submit a report regarding Technical and Financial aspect in comparison to the information and document furnished by Tenderer. If the assessment report is not satisfactory, the related tender proposal of the tenderer will be considered as Nonresponsive.<br/>All costs regarding visiting &amp; inspection shall be borne by the New Manufacturer.</li> </ul> <p>Factory shall be inspected by Tender Evaluation Committee (TEC) and/or TEC nominated members as per following guide lines:</p> <ul style="list-style-type: none"> <li>1. Location of the Factory &amp; layout plan.</li> <li>2. List of Capital Machineries (Related to manufacturer of the Tendered goods)</li> <li>3. Factory Project Profile</li> <li>4. Production Capacity (Yearly)</li> <li>5. Production Line description.</li> <li>6. List of Key Personnel (with Bio-data)</li> <li>7. Testing Facilities</li> <li>8. Source of raw materials.</li> <li>9. Testing of offered type Power Transformer shall be witnessed at manufacturer's testing laboratory.</li> </ul> <p>All other clauses of the specification and Guaranteed Technical Particulars (GTP) except Supply record &amp; Performance Certificate shall be applicable for tender Submission and Evaluation.</p> | <p>As per Tender Document.</p>    |

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Addendum-1

International Tender Ref. No.: 27.11.0000.101.14.035.22-3233, Dated- 20/07/2022 for "Design, Supply, Construction, Erection, Installation, Testing and Commissioning of 05 Nos. 33/11kV New GIS Substation, 02 Nos. 33/11kV Substation (GIS Up-gradation), 33kV Bay-Extension at 02 Nos. Substation and 33kV Underground Cable Double Circuit Source Line with Civil and other related works including automation of the Sub-station (SAS) on Turnkey Basis under Power Distribution System Development, Chattogram Zone (2nd Phase), BPDB, Chattogram." (LOT-3)

| Sl. No. | Tender Clause & Page No.      | Existing as in Tender Document   | Clarification Asked  | Amendment/ Clarification/ Remarks |
|---------|-------------------------------|--|--|-----------------------------------|
| 7       | Section-2: TDS<br>ITT 24.2(r) | <p>14. At least 02 (two) nos. Manufacturer's Satisfactory Performance Certificates from Electricity Utility as End User depicting that each offered type similar or higher capacity rating 33kV Gas Insulated Switchgear (GIS), Substation Automation System (SAS), Power Transformer, Station Transformer, 33kV Outdoor VCB, 33kV PCM Panel, 11kV Gas Insulated Switchgear (GIS) with PCM Panel, Battery &amp; Battery Charger, 33kV &amp; 11kV XLPE Power Cable, 33kV CT &amp; PT, 33 kV Isolators, 33 kV &amp; 11kV LA of same voltage class within last 10(ten) years i.e. years counting backward from the date of publication of IFT in the newspaper and has been in satisfactorily service for at least 02(two) years.</p> <p>The Satisfactory Performance Certificate (SPC) shall be in End User's official pad and shall contain End User's full mailing address, fax/telephone number, website address, domain e-mail address for the convenience of authentication.</p> <p><i>Note: Electricity Utility means an organization/company that engages in electricity generation/ transmission / distribution of electricity for sale in a regulated market.</i></p> | <p>We kindly request you to add the following eligibility criteria for <b>Power Transformer</b>.<br/>The following provision will be applicable for purchasing of Power Transformer from new local manufacturers:</p> <ol style="list-style-type: none"> <li>The New Manufacturer shall submit the following document with the Tender document:               <ol style="list-style-type: none"> <li>Location of the Factory &amp; layout plan.</li> <li>List of Capital Machineries (Related to manufacturer of the Tendered goods).</li> <li>Factory Project Profile</li> <li>Production Line description.</li> <li>List of Key Personnel (With Bio-data).</li> <li>Source of raw materials.</li> <li>Testing facilities &amp; calibration certificates of testing equipment.</li> </ol> </li> <li>New Local Manufacturer's factory/manufacturing plant shall be visited &amp; inspected by the Tender Evaluation Committee (TEC) and/or TEC nominated members, to assess the New Manufacturer's production capability and will submit a report regarding Technical and Financial aspect in comparison to the information and document furnished by Tenderer. If the assessment report is not satisfactory; the related tender proposal of the tenderer will be considered as Nonresponsive.</li> </ol> <p>All costs regarding visiting &amp; inspection shall be borne by the New Manufacturer.</p> <p>Factory shall be inspected by Tender Evaluation Committee (TEC) and/or TEC nominated members as per following guide lines:</p> <ol style="list-style-type: none"> <li>Location of the Factory &amp; layout plan.</li> <li>List of Capital Machineries (Related to manufacturer of the Tendered goods)</li> <li>Factory Project Profile</li> <li>Production Capacity (Yearly)</li> <li>Production Line description.</li> <li>List of Key Personnel (with Bio-data)</li> <li>Testing Facilities</li> <li>Source of raw materials.</li> <li>Testing of offered type Power Transformer shall be witnessed at manufacturer's testing laboratory.</li> </ol> <p>All other clauses of the specification and Guaranteed Technical Particulars (GTP) except Supply record &amp; Performance Certificate shall be applicable for tender Submission and Evaluation.</p> | <p>As per Tender Document.</p>    |




Addendum-1

International Tender Ref. No.: 27.11.0000.101.14.035.22-3233, Dated- 20/07/2022 for "Design, Supply, Construction, Erection, Installation, Testing and Commissioning of 05 Nos. 33/11kV New GIS Substation, 02 Nos. 33/11kV Substation (GIS Up-gradation), 33kV Bay-Extension at 02 Nos. Substation and 33kV Underground Cable Double Circuit Source Line with Civil and other related works including automation of the Sub-station (SAS) on Turnkey Basis under Power Distribution System Development, Chattogram Zone (2nd Phase), BPDB, Chattogram." (LOT-3)

| Sl. No. | Tender Clause & Page No.                       | Existing as in Tender Document  | Clarification Asked  | Amendment/ Clarification/ Remarks |
|---------|--|---|--|-----------------------------------|
| 8       | Section-2: TDS<br>ITT 24.2(r) (25)<br>Page- 45 | 1. Type Test Certificates, Reports & Special Tests for offered type similar or higher MVA rating power transformer for same voltage class from any short-circuit testing liaison (STL) Member [http://www.stl-liaison.org/web/03_Members.php] Testing Organization or Laboratory as per relevant IEC standard. The type test report shall include at least the following tests along with results:<br>a) Temperature Rise Test<br>b) Lightning Impulse Test<br>c) Short circuit withstands test report of HV-LV | Type Test Certificates, Reports & Special Tests for power transformer for same voltage class from any short-circuit testing liaison (STL) Member [http://www.stl-liaison.org/web/03_Members.php] Testing Organization or Laboratory as per relevant IEC standard. The type test report shall include at least the following tests along with results:<br>a) Temperature Rise Test<br>b) Lightning Impulse Test<br>a) Short circuit withstands test report of HV-LV | As per Tender Document.           |
| 9       | -  | -   | Cable supply package may be considered separate in this tender. (As the cable value is approx.. 60% of total cost of the tender). Please also consider maximum domestic preference for local Cable manufactures.<br>We are also requesting to put a clause that Local Bangladeshi Cable only be used in his project as you know that sufficient local Cable manufactures are available in Bangladesh & thus also help to save FOREX.                               | As per Tender Document.           |
| 10      | -  | -   | -  | As per Tender Document.           |




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| Sl. No. | Tender Clause & Page No.      | Existing as in Tender Document  | Clarification Asked   | Amendment/ Clarification/ Remarks |
|---------|-------------------------------|---|---|-----------------------------------|
| 11      | Section-2: TDS<br>ITT 14.1(b) | <p>i) For 33/11kV Substation:<br/>At least 2(two) contract(s) of similar nature*, complexity and methods/construction technology successfully completed within the last 10 (ten) years, each with a value of at least BDT 73 (Seventy Three) Crore or equivalent USD 8.5 (Eight Point Five) millions.</p> <p>*Similar nature means: Construction of 33/11kV or higher voltage level GIS/GIS+AIS Substation and having capacity regarding engineering, supply, erection, installation, testing and commissioning of at least 2x20/26MVA or higher capacity substations on turnkey basis.</p> | <p>*Similar nature means:<br/>Construction of Power Plant (EPC) of 20 (+25%, -10%)MW or 33/11kV or higher voltage level GIS/AIS Substation and having capacity regarding engineering, supply, erection, installation, testing and commissioning of at least 2x10/12MVA or higher capacity substations on turnkey basis.</p>   | As per Tender Document.           |
| 12      | Vol 1 of 2                    | GCC 52. Force Majeure   | Kindly add clause concerning contract termination under force majeure, for example "If the performance of the Contract is substantially prevented, hindered, or delayed for a single period of more than 60 days or an aggregate period of more than 120 days on account of one or more events of Force Majeure during the currency of the Contract, the parties will attempt to develop a mutually satisfactory solution, failing which either party may terminate the Contract by giving a notice to the other...." | As per Tender Document.           |



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| Sl. No. | Tender Clause & Page No.  | Existing as in Tender Document  | Clarification Asked  | Amendment/ Clarification/ Remarks   |
|---------|---|---|--|---|
| 13      | Vol 1 of 2  | <p>PCC 73.1 List Delivery Document (New Clause)<br/>                     "For Schedule No. 1 - Plant and Equipment Supplied from Abroad / Goods supplied from abroad as per INCOTERM CIP:"</p>  | <p>We understand that upon shipment, we can apply payment for 50% CIP value with relative documents. But the "Truck Challan" is requested for this payment, we understand that the truck challan documents is issued for local inland transport, we consider it not applicable for the 50% CIP shipment payment. Kindly delete the requirement of "Truck Challan".</p> | <p>As per Tender</p>  |
| 14      | <p>Section 6. Employer's Requirements<br/>                     6.1 Scope of Supply of Plant and Installation Services by the Contractor</p> | <p>6.1.1.4 Scope for Design, Supply, Erection, Installation, Testing and Commissioning of 33/11KV, 2x20/26 MVA Regular Type GIS (Sitakundu, Fokirhat New) at S&amp;D Barokundo, BPDB, Chattogram.<br/>                     .....<br/>                     24) 02 (Two) Nos. new 33/11KV, 16/20MVA, ONAN/ONAF Power Transformers shall be installed in the Substation control room building and shall be connected to the 33 KV switchgear and 11 KV switchgear panels (described above) and by single core XLPE cable of required voltage and size.</p> | <p>The 02 (Two) Nos. new 16/20MVA transformer is mentioned in the working scope, but there is no 16/20MVA transformer in the BOQ, please clarify.</p>  | <p>Amended as-<br/>                     24) 02 (Two) Nos. new 33/11KV, 20/26MVA, ONAN/ONAF Power Transformers shall be installed in the Substation control room building and shall be connected to the 33 KV switchgear and 11 KV switchgear panels (described above) and by single core XLPE cable of required voltage and size.</p> |
| 15      | <p>Section 6<br/>                     Page-327</p>  | <p>24) 02 (Two) Nos. new 33/11KV, 16/20MVA, ONAN/ONAF Power Transformers shall be installed in the Substation control room building and shall be connected to the 33 KV switchgear and 11 KV switchgear panels (described above) and by single core XLPE cable of required voltage and size.</p>  | <p>Amended as-<br/>                     24) 02 (Two) Nos. new 33/11KV, 20/26MVA, ONAN/ONAF Power Transformers shall be installed in the Substation control room building and shall be connected to the 33 KV switchgear and 11 KV switchgear panels (described above) and by single core XLPE cable of required voltage and size.</p>                                  |   |









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| Sl. No. | Tender Clause & Page No.  | Existing as in Tender Document  | Clarification Asked   | Amendment/ Clarification/ Remarks  |
|---------|---|---|---|--|
| 16      | Vol 1 of 2, Lot-3   | Price Schedule No.8 Name of the Work: Design, Supply, Erection, Installation, Testing and Commissioning of 33 KV Bay Extension at Bakolia from 132/33 KV Grid Substation Under S&D-Bakolia, BPDB, Chattogram.   | From the Bakolia extension substation price schedule, the Substation Automation System is required, but please clarify what's the scope of work for the SAS in the extension substation?  | No Scope for SAS in the Tender Documents.  |
| 17      | Vol 1 of 2, Lot-3<br>Price Schedule 1 No.8 Page-196 & Price Schedule 2. No:8 Page-249 | Supply of 33 kV indoor Gas Insulated Switchgear (GIS) unit comprising 2000 Ampere Bus including surge arresters and other related accessories. All 33 kV Control, Protection and Metering System shall be housed in the same 33 kV GIS panels. All the Circuit Breaker's control with Local/ Remote switch and metering data shall be brought under Substation Automation System (SAS) and provision for interfacing with the existing/future BPDB's SCADA system in Chattogram Zone .. |   | Amended As- Supply of 33 kV indoor Gas Insulated Switchgear (GIS) unit comprising 2000 Ampere Bus including surge arresters and other related accessories. All 33 kV Control, Protection and Metering System shall be housed in the same 33 kV GIS panels. |
| 18      | Vol 1 of 2, Lot-3   | Schedules of Rates and Prices Schedule No. 1 GTP 8.3a to GTP 8.3b   | In the Schedules of Rates and Prices Schedule No. 1 - Plant and Mandatory Spare Parts Supplied from Abroad, BPDB indicates that the Short time withstand current (3s) of 33kV VCB type 2500A is 25kA/3s, which in GTP 8.03(a) the BPDB's Requirement is 40kA/3s, please kindly confirm. If BPDB requires 40kA/3s, please kindly recommend a satisfied manufacturer. | Amended Short time withstand current of 33kV VCB type 2500A is 31.5 kA, 3sec   |
| 19      | Vol 1 of 2, Lot-3   | Schedules of Rates and Prices Schedule No. 1  | BPDB requests the GTP for 33kV Outdoor Type Single Phase Potential Transformer, but none of any quantity requested in Prices Schedule, please confirm if we shall supply the 33kV outdoor Potential Transformer.  | As per Tender Documents  |
| 20      | Vol 1 of 2, Lot-3   | Schedules of Rates and Prices Schedule No. 1 GTP 8.06a to GTP 8.07b   | In the Price Schedule, BPDB indicates that the Short time withstand current (3s) of 33kV Isolator is  | For all 33 kV equipment Short time withstand current (3s) is 31.5 kA/3s,   |

*(Handwritten signatures and initials)*



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| Sl. No. | Tender Clause & Page No.                 | Existing as in Tender Document   | Clarification Asked  | Amendment/ Clarification/ Remarks   |
|---------|--|--|--|---|
|         |  |  | 25kA/3s, which in GTP the requirement is 31.5kA/3s, please kindly confirm.   |   |
| 21      | Vol 1 of 2, Lot-3                        | Schedules of Rates and Prices Schedule No. 1<br>GTP 8.09a to GTP 8.09b   | In the Price Schedule, BPPD indicates that the class 5P10 for protection and 0.2 for measuring of 33kV current transformer, which in GTP the requirement is 5P20 and 0.2S, please kindly confirm.  | Amended as-<br>33 kV CT class 5P20  |
| 22      | Section-7.4<br>Transformers<br>Page-622  | 7.4.1.7 CAPITALIZED COST:<br>.....Tenderers quoted No load Loss and Full load loss shall be supported by test reports from independent testing laboratory. In case of difference between the loss value declared in the offer and the loss value to be found in the type test report, the higher loss value will be taken into account for the purpose of loss capitalization. | We suggest to use the loss value declared by the transformer manufacturer to be taken into account for the purpose of loss capitalization, please clarify.   | Please follow the ITT Clause no. 57.5 (c) as mentioned in TDS.  |
| 23      | Section-2: TDS<br>ITT 29.3(b)            | Manufacturer's authorization<br>"In this regard, scanning paper, email copy, faxed copy & sealed signature will not be accepted. Manufacturer's signature in Authorization letter shall be hand written by pen i.e., signature through stamp/seal is not accepted."  | Many products such as GIS switchgears, SAS, Protection & Control Relays, Energy meters have to be from country of origin Europe, USA, Japan etc. Submission with original Manufacturer's authorization seems very difficult. Kindly accept scanned copy and stamp/seal signature for the manufacturer's authorization. | As per Tender Document.   |
| 24      | Section: 6<br>Employer's<br>Requirements | 6.1.2 Bill of Quantity (BOQ)   | According to BOQ of the five new substations, the surge arresters is listed in the line item No.1, and it is listed separately in the line item No. 2 again. So please verify if the surge arresters are installed in the switchgears.   | In line item no. 1 it is mentioned as surge arrester and in line item no. 2 it is mentioned as lightning arrester. Please consider both in scope. |
| 25      | Section 6                                | 6.1.2.7  | According to the line item No.1 in the BOQ, the number of GIS cubicles Outgoing Feeders (1250A) with PT is 17, but the number of GIS cubicles Outgoing Feeders (1250A) with PT in the single line  | According to the line item No.1 in the BOQ, the number of GIS cubicles Outgoing Feeders (1250A) with PT is 17,                                    |



Addendum-1

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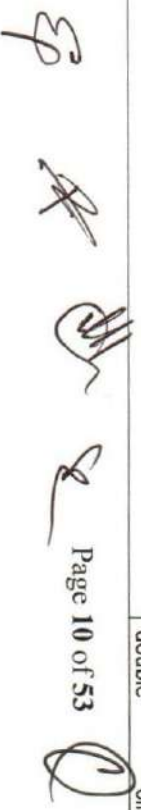
| Sl. No. | Tender Clause & Page No.  | Existing as in Tender Document | Clarification Asked   | Amendment/ Clarification/ Remarks   |
|---------|---|--------------------------------|---|---|
|         |   |                                | diagram is 15 . So please verify the number of GIS cubicles Outgoing Feeders (1250A) with PT .  |   |
| 26      | Section 6<br>6.1.2.8  |                                | According to the line item No.1 in the BOQ , there are a GIS cubicles Incoming Feeders (2000A) with PT and four GIS cubicles Outgoing Feeders (1600A) with PT . But there are no PT on the Incoming Feeder and Outgoing Feeders in the single line diagram . Please verify the question . Besides , please verify if the type of 33kV switchgear must be 8DA10 . In the end , the Incoming Feeder is useless here. So please verify if the Incoming Feeder can be removed . | 33kV GIS for 33 KV Bay Extension at Bakolia 132/33 KV Grid Substation<br>- Bus Bar Rating: 2000A<br>- Incoming Feeder Rating: 2000A as per price schedule<br>- Outgoing Feeder Rating: 1250A as per price schedule<br>- Bus Coupler Rating: 2000A as per price<br>- Short Circuit Breaking Current Rating: 31.5kA for 3 sec. These 33 KV GIS must be compatible with existing GIS |
| 27      | Section: 6<br>Employer's Requirements<br>6.1.2 Bill of Quantity (BOQ) |                                | According to the line item No. 5 in the BOQ, the fuse should be removed, because in the single line diagram, there are no fuses and the circuit breakers are sufficient. So please verify if the scheme is feasible.  | Fuse assembly shall be deleted.   |

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| Sl. No. Tender Clause & Page No.                                 | Existing as in Tender Document  | Clarification Asked  | Amendment/ Clarification/ Remarks |
|--|---|--|-----------------------------------|
| 28<br>Section-7:<br>Technical Specification<br>Clause No. 7.3.20 | Clause No. 7.3.20   | According to Clause No. 7.3.20, there are two 400A, 4 pole MCCB; two 100A, 3 pole MCCB; ten 60A, 3 pole MCCB and ten 30A, 3 pole MCCB in the LV AC Distribution Panel. And according to the layout plan, there is only one LV AC Distribution Panel in the transformer substation. If all circuit breakers in the LV AC Distribution Panel must be MCCB, there's no room for one cabinet. So please verify if 60A and 30A circuit breakers must be MCCB. Besides, why the 2 x 400A, 4 pole MCCB should be interlocked with each other in the case of only one station transformer? | As per Tender Document.           |
| 29   | Layout & SLD<br>Layout  | In the five new substations and two upgradational substations, The length of incoming/outgoing feeders cables can't be determined, because in the layout plan of the seven substations, the access point between overhead line and substation is not represented. Please verify the question.  | As per Tender Document.           |
| 30   | Section: 6<br>Employer's Requirements<br>6.1.2 Bill of Quantity (BOQ) | According to BOQ of the substations "Battery, 110volt DC nominal, ≥160Ah minimum" Please be specific.  | As per Tender Document.           |
| 31   | Section: 6<br>Employer's Requirements<br>6.1.2 Bill of Quantity (BOQ) | According to BOQ of the substations, The protection functions (ANSI) of 33kV Line Protection and Transformer Protection, Please be specific.   | As per Tender Document.           |
| 32   |   | The design parameters of seismic load and wind load in this area are not found.  | As per Tender Document.           |
| 33   | Section: 6<br>Employer's Requirements<br>6.1.4 Bill of Quantity (BOQ) | We see the following description, "Distributed Acoustic Sensing (DAS) & Distributed Temperature Sensing (DTS) system for the double circuit Underground Power Cable" in the BOQ of cable double circuit line material.   | As per Tender Document.           |



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| Sl. No. | Tender Clause & Page No.                    | Existing as in Tender Document   | Clarification Asked   | Amendment/ Clarification/ Remarks |
|---------|---|--|---|-----------------------------------|
|         |   |  | Please clarify the application scope of the cable monitoring system, such as the sensor is only installed at the cable joint or termination, or at other substation locations. And is DAS system used to monitor sound of cable when is operating ?   |                                   |
| 34      | Vol 1 of 2                                  | Page 431, Clause 7.3.15.1 (para.14) Each charger shall be suitable for operating alone or in parallel with the other charger | Kindly confirm the configuration for each set of system are work in 1 x 100% single configuration ; What's the requirement and quantity of outgoing feeders for AC DC? What's the quantity for DC Modules? Please provide LV DC System drawings.  | As per Tender Document.           |
| 35      | Section 4-Particular Conditions of Contract | GCC 60.4 Taxes and Duties (New Clause)   | It is our understanding that the contractor should pay Income Tax for payment of Foreign & Local Currency under the contract amount and the rate is 7.5%, please confirm.   | As per Tender Document.           |
| 36      | Vol 1 of 2                                  | C. Qualification Criteria<br>ITT 24.2(r)<br>Type Test Certificates & Reports   | Please clarify whether test carried out at any independent testing laboratory and have been witnessed and certified by a representative from STL member testing laboratories is acceptable for Transformer, GIS, Surge Arrester, VCB, CT&PT, XLPE Cables, Cable termination kits, etc?                                | As per Tender Document.           |
| 37      |   | Layout drawing   | For the Bakolia substation, the SLD shows the new GIS need connect to the existing GIS, but in site, we are told that the new GIS need connect to other transformer of PGCB, please confirm.  | As per Tender Document            |
| 38      |   | House Demolition   | During the site visite, we found there are some houses need to be dismantled at site. But from the tender documents, there is no such requirement. Kindly confirm the scope of work for the house demolition, and who will be responsible for the demolition compensation? and if the house land acquisition is done? | As per Tender Document            |

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| Sl. No. Tender Clause & Page No. | Existing as in Tender Document  | Clarification Asked  | Amendment/Clarification/Remarks |
|----------------------------------|---|--|---------------------------------|
| 39<br>Vol 2, Section 4<br>PCC    | GCC 40.2.2 Before commencement of Guarantee test (As mentioned in appendix 8), Contractor will successfully complete Initial Commercial Operation (ICO) of the Plant and Facilities as mentioned in GCC Sub-Clause 39.11 thereof. If for reasons not attributable to the Contractor, the Guarantee Test of the Facilities or the relevant part thereof cannot be successfully completed within the period 30 (thirty) days from the date of successful completion of ICO, Operational Acceptance Certificate (OAC)/ Provisional Acceptance Certificate (PAC) may be issued subjected to GCC Sub-Clause 40.3.1 hereof. But Contractor shall have to perform Guarantee Test as soon as Employer request for the same. | GCC Sub-Clause 39.11 is not seen in the Tender Documents. Please provide this clause or specify the contents and duration of ICO. Kindly clarify the guarantee test items that need to be done.  | As per Tender Document.         |
| 40<br>Vol 2, Section 4<br>PCC    | GCC 40.3 Partial Acceptance   | "According to GCC 40.3, Partial Acceptance of Plant and Facilities are allowed on the basis of successful completion of commissioning and Guarantee Test of a particular Sub-station. We hereby understand that the Intended Completion Date for each substation is 730 (Seven hundred thirty) days calculated from the Effective date of Contract to acceptance of Commissioning and Guarantee test run. Please confirm our understanding. Besides, we are understanding that partial acceptance of Plant and Facilities are also allowed on the basis of successful completion of commissioning of each section of UG cable line, and the Intended Completion Date for each section of UG cable line is 730 (Seven hundred thirty) days calculated from the Effective date of Contract to acceptance of Commissioning and Guarantee test run. Please confirm our understanding." | As per Tender Document.         |

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| Sl. No. | Tender Clause & Page No.       | Existing as in Tender Document  | Clarification Asked  | Amendment/ Clarification/ Remarks                    |
|---------|--------------------------------|---|--|--|
| 41      | Vol 2, Section 4 PCC           | GCC 24.1 Time for Completion  | Generally, the Time for completion of the whole of the facilities shall be calculated from the Effective Date of Contract to the Completion (that is, the Facilities (or a specific part thereof where specific parts are specified in the Contract) have been completed operationally and structurally and put in a tight and clean condition, all work in respect of Precommissioning of the Facilities or such specific part thereof has been completed, and the Facilities or specific part thereof are ready for Commissioning as provided in GCC Clause 1 (Definitions) hereof.). We are understanding that for this project, the time for completion of the whole of the facilities shall be 730 (Seven hundred and thirty) days calculated from the Effective Date of Contract to the Completion, other than acceptance of Commissioning and Guarantee test run. Please confirm our understanding. | As per Tender Document.                              |
| 42      |                                | Extension Substations   | We understand the SAS is required for extension substations. Kindly provide Existing SAS manufacturer name & model, Gateway type RTU/PC based and SAS architecture of existing substation.   | As per Tender Document.                              |
| 43      |                                | Underground Pipe System Data  | Kindly provide the underground pipe network data for the concerning sites of this project.   | Please follow the Tender Document.                   |
| 44      | Section 3. GCC Clause No. 23.1 | GCC 23.1 The Contractor shall attain Completion of the Facilities or of a part where a separate time for Completion of such part is specified in the Contract, within the time stated in the PCC or within such extended time to which the Contractor shall be entitled under GCC Clause 65.1 hereof. | the Clause 23.1 Time for commencement is exactly same with the clause 24.1 Time for completion. We propose the clause 23.1 shall be "The Contractor shall commence work on the Facilities within the period specified in the PCC."   | Please follow the relevant clauses mentioned in PCC. |

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| Sl. No. | Tender Clause & Page No.           | Existing as in Tender Document   | Clarification Asked   | Amendment/Clarification/Remarks  |
|---------|------------------------------------|--|---|--|
| 45      | Section 3. GCC Clause No. 37.4     | GCC 37.4 Site Regulations and Safety<br>..... Such Site regulations shall include, but shall not be limited to, rules in respect of security, safety of the Facilities, gate control, sanitation, medical care, and fire prevention. reasonable costs incurred by the Employer in connection therewith shall be paid by the Contractor to the Employer. Otherwise, the cost of such remedial work shall be borne by the Employer.  | Kindly specify the costs of employer under this clause 37.4.  | As per Tender Document.  |
| 46      | Section: 3 GCC                     | "The amount of Liquidated Damages for Delay or Delay Damages or Delay to Completion Date of the uncompleted delivery of goods/works/services or for any part thereof is: At the rate of zero point one percent (0.1%) of the Contract Price of relevant part per day.<br>All Goods, whole works and related services shall be considered as uncomplete until the effective date of Operational Acceptance Certificate (OAC)/ Provisional Acceptance Certificate (PAC). Hence Liquidated Damages for delay or Delay Damages until effective date of OAC/PAC shall be applicable on the final Contract Price of the whole of the Goods, Works and related services." | We understand that the liquidated damages for delay is at the rate of zero point one percent (0.1%) of the Contract Price of relevant part per day, and the maximum percentage is 10%. Please confirm our understanding.  | As per Tender Document.  |
| 47      | Section 4. PCC                     | Appendix 1. Terms and Procedures of Payment  | How many days will the Employer pay the Contractor after the Contractor has submitted the documents? Kindly clarify.  | As per Tender Document.  |
| 48      | Section 4. PCC                     | Appendix 1. Terms and Procedures of Payment  | Kindly clarify the Interest Rate for Payment-Delay.   | As per Tender Document.  |
| 49      | Section: 6 Employer's Requirements | Clause 6.1.3.1 and 6.1.3.2   | We have noticed the attached drawings in lot-3 & lot-4, the cable trench dimensions for 4 circuits is 1.25m (width)*1.5m (depth), and the cable trench dimensions for 6 circuits is 1.75m (width)*1.5m (depth). But the cable trench dimensions described for 2 circuits and 6 circuits in the clause 6.1.3.2 of bidding document is inconsistent, such as, cable trench for 4 circuits is 1.0m(width)*1.25m (depth), | Please follow the drawings.<br>Cable trench dimensions for Double ckt. 1.2m (width)*1.5m (depth); For Four ckt. 1.5m (width)*1.5m (depth); |



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| Sl. No. | Tender Clause & Page No.  | Existing as in Tender Document   | Clarification Asked  | Amendment/ Clarification/ Remarks  |
|---------|---|--|--|--|
|         |   |  | and cable trench for 6 circuits is 1.75m(width)*1.65 m(depth). So please guide us which dimensions value is the cable trench requirements that we need to refer to? The bidding documents or drawings shall prevail?   |  |
| 50      |   | 18. BONDING AND EARTHING<br>Surge protection shall be provided at all joints and terminations not permanently connected to earth to limit in induced voltages to (specified limits). The surge limiting device shall limit the peak voltage as specified for a peak current of 10kA. These devices shall also withstand the specified ac. r.m.s. maximum voltages without injurious heating. | Requirements for induced voltage, please describe and guide the induced voltage value of cable sheath and the type of cable bonding and earthing? For example, is it grounded at both ends or at the middle point according to the actual cable route length.  | As per Tender Document.  |
| 51      | Attached drawings   | interval of tied with plastic cable ties (Trefoil shape)   | Please indicate whether the distance of interval of tied with plastic cable ties (Trefoil shape) is 1.5m or 3m, because we found different requirements of interval values in lot-2, lot-3 and lot-4.  | Please follow the drawings.<br>The distance of interval of tied with plastic cable ties (Trefoil shape) is 3m.   |
| 52      | Price Schedule, 33kV GIS Line Item, Description of Items for all Substations                            | Description of Items for 33kV GIS mentioned that, 33kV GIS including Surge Arresters and other related accessories.  | We understood that, 33kV Outdoor Type Surge Arresters are mentioned in a separate line item in the price schedule and will not be a part of 33kV GIS Panels. Hence Surge Arresters will be Outdoor type. Kindly confirm the exact requirement.   | As per Tender Document.  |
| 53      | Price Schedule, 33kV GIS Line Item, Description of Items for Up-gradation of GIS Substation at Baraulia | Description of Items for 33kV GIS mentioned that, GIS cubicles Bus Coupler Breaker with Riser (Bus Coupler with Riser) (3150 A) - 1 No.  | We understood that, 33kV GIS for this substation is Double Bus Bar system. As per the indicative Single Line Drawing, 1 set of Bus sectionalizer shown and in Price Schedule these 1 set is mentioned as Bus Coupler.<br><br>Kindly note that, if this 1 set is Bus Sectionalizer, there are also requirement of 2 nos. additional Bus Coupler Panels of 3150A (1 no. for each Bus Section) which are not mentioned in the Price | No bus section required. Only one set of Bus Coupler with riser required. for Double Bus system (Corrected indicative drawing given as attachment-1 of this clarification) |



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| Sl. No. Tender Clause & Page No.  | Existing as in Tender Document   | Clarification Asked   | Amendment/ Clarification/ Remarks  |
|---|--|---|--|
| 54<br>Price Schedule, 33kV GIS Line Item, Description of Items for Up-gradation of GIS Substation at Baraulia | Incoming Feeder rating mentioned as 1250A  | <p>Kindly clarify and confirm the exact requirement.</p> <p>Kindly recheck the ratings as it seems its not correct. Incoming may be 2500A. Kindly confirm.</p> <p>Also total 4 sets (12 nos.) of Bus PTs are required for 2 section of the Bus Bars which are also not clearly mentioned in the Price Schedule or indicative drawing.</p>   | Amended As-Incoming feeder rating will be 2500A  |
| 55<br>33kV GIS for 33 KV Bay Extension at Bakolia 132/33 KV Grid Substation                                   | <p>As per the tender document (Price Schedule, GTP, Drawings), the following are the requirements for 33kV GIS Bay extension at Bakolia 132/33kV Grid Substation:</p> <ul style="list-style-type: none"> <li>- Bus Bar Rating: 2000A</li> <li>- Incoming Feeder Rating: 2000A as per price schedule</li> <li>- Outgoing Feeder Rating: 1600A as per price schedule</li> <li>- Bus Coupler Rating: 2000A as per price schedule</li> <li>- Short Circuit Breaking Current Rating: 31.5KA for 3 sec.</li> </ul> | <p>Kindly note that, existing installed Siemens make 33kV GIS panels (Type-8DA10) for this substation are with 25kA for 3 sec rated breaking current capacity, but the new panels requested with a rating of 31.5kA for 3 sec rating.</p> <p>Also in the GTP, the panels ratings are mentioned as followings:</p> <ul style="list-style-type: none"> <li>- Incoming Feeder Rating: 1250A</li> <li>- Outgoing Feeder Rating: 1250A</li> </ul> <p>Kindly confirm the requirement.</p> | <p>33kV GIS for 33 KV Bay Extension at Bakolia 132/33 KV Grid Substation</p> <ul style="list-style-type: none"> <li>- Bus Bar Rating: 2000A</li> <li>- Incoming Feeder Rating: 2000A as per price schedule</li> <li>- Outgoing Feeder Rating: 1250A as per price schedule</li> <li>- Bus Coupler Rating: 2000A as per price schedule</li> <li>- Short Circuit Breaking Current Rating: 31.5KA for 3 sec. These 33 KV GIS must be compatible with existing GIS</li> </ul> |

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| Sl. No. | Tender Clause & Page No.   | Existing as in Tender Document  | Clarification Asked   | Amendment/ Clarification/ Remarks |
|---------|--|---|---|-----------------------------------|
| 56      | General  | Multifunction Meter for 33kV GIS  | There are no Multifunction meter requirement in any 33kV GIS panels As per Tender Document. Kindly confirm shall we need to consider separate Multifunction Meter or not.   | As per Tender Document.           |
| 57      | Protection Relays for 33kV GIS Panels  | No. of Binary Input and Binary Output   | Huge no. of Binary Input and Binary Output are mentioned in the Protection Relay GTP of 33kV GIS Panels. This has an impact on Relay price and overall in GIS price. As per GTP, following are the requirement:<br>Transformer Panel - Differential Relay (42 BI + 32 BO);<br>Transformer Panel - O/C & E/F Relay (42 BI + 32 BO);<br>Line Feeder - O/C & E/F Relay (24 BI + 24 BO);<br>Bus Coupler - O/C & E/F Relay (32 BI + 24 BO);<br>Auxiliary Transformer - O/C & E/F Relay (24 BI + 24 BO);<br>Kindly recheck the BI BO numbers and confirm the exact requirement. | As per Tender Document.           |
| 58      | Indicating LED Lamps for 33kV GIS Panels                                     |   | It is not clear whether we need to consider separate indicating LED lamps or not. Kindly let us know if we need to consider the same. Also please clarify how many lamps per panel to be considered.  | As per Tender Document.           |
| 59      | Price Schedule, 11kV GIS Line Item, Description of Items for all Substations | Description of Items for 11kV GIS mentioned that, 11kV GIS including Surge Arresters and other related accessories. | We understood that, 11kV Outdoor Type Surge Arresters are mentioned in a separate line item in the price schedule and will not be a part of 11kV GIS Panels. Hence Surge Arresters will be Outdoor type. Kindly confirm the exact requirement.  | As per Tender Document.           |
| 60      | General  | Multifunction Meter for 11kV GIS  | There are no Multifunction meter requirement in any 11kV GIS panels As per Tender Document. Kindly confirm shall we need to consider separate Multifunction Meter or not.   | As per Tender Document.           |



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| Sl. No. Tender Clause & Page No.                                    | Existing as in Tender Document                | Clarification Asked  | Amendment/ Clarification/ Remarks              |
|---|---|--|--|
| 61<br>General   | Voltmeter for 11kV GIS Outgoing Feeder Panels | There are no Voltmeter requirement in 11kV GIS Outgoing Switchgear panels As per Tender Document. Kindly confirm shall we need to consider Voltmeter for 11kV GIS Outgoing Switchgear panels or not.   | As per Tender Document.                        |
| 62<br>11kV GIS Line Voltage Transformer and Bus Voltage Transformer |   | From the Voltage Transformer description, it is not clear what kind of Voltage Transformer is required. As per our understanding following are the requirement:<br>- 11kV Bus Voltage Transformer is required for each bus segment.<br>- 11kV Line Voltage Transformer is required for all Incoming Feeder switchgear panels.<br>Kindly confirm the requirement.   | 11 kV Bus VT is required for each Bus Segment. |
| 63<br>Protection Relays for 11kV GIS Panels                         | No. of Binary Input and Binary Output         | Huge no. of Binary Input and Binary Output are mentioned in the Protection Relay GTP of 11kV GIS Panels. This has an impact on Relay price and overall in GIS price. As per GTP, following are the requirement:<br>Incoming Panel - O/C & E/F Relay (32 BI + 32 BO);<br>Bus Coupler - O/C & E/F Relay (32 BI + 24 BO);<br>Outgoing Panel - O/C & E/F Relay (24 BI + 24 BO);<br>Kindly recheck the BI BO numbers and confirm the exact requirement. | As per Tender Document.                        |
| 64<br>Indicating LED Lamps for 11kV GIS Panels                      |   | It is not clear whether we need to consider separate indicating LED lamps or not. Kindly let us know if we need to consider the same. Also please clarify how many lamps per panel to be considered.   | As per Tender Document                         |

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| Sl. No. | Tender Clause & Page No.   | Existing as in Tender Document  | Clarification Asked   | Amendment/ Clarification/ Remarks |
|---------|--|---|---|-----------------------------------|
| 65      | Price Schedule, 33kV OVCBs Line Item, Description of Items for 33 KV Bay Extension at Shitakundo 132/33 KV Grid Substation | Description of Items for 33kV OVCB mentioned that, requirement is for 1600A, 25kA for 3 sec rated OVCB. But in Technical Specification of 33kV OVCB, 1600A/2500A and breaking current rating mentioned as 31.5kA/40kA for 3 sec. There are no GTP given for 33kV OVCB for this substation in the tender document. | Kindly note that, 40kA rated 33kV Outdoor Vacuum Circuit Breakers (OVCBs) are not available. OVCBs are available for upto 2500A, 31.5kA for 3 sec. Kindly confirm the exact requirement.  | 31.5kA for 3 sec                  |
| 66      | General  | Line Item: New Item & Quantity Variation  | Kindly confirm that if there are any changes in line items or quantity of line items during detail engineering, whether these shall be paid at actuals.   | As per Tender Document            |
| 67      | Plot plan & Line orientation   | Plot plan & Line orientation  | "Please provide the following details for new substations, upgradation substations and extension substation as applicable:<br>1. Plot Plan Layout (with Plot dimension and Co ordinates)<br>2. Line orientation of 33kV incoming/outgoing feeders & 11kV outgoing feeders<br>3. Location & Distance of terminal pole details for each of the 33kV and 11kV feeders to/from the Switchgear-cum-Control building. | As per site requirement.          |
| 68      | Tender drawings  | Missing Tender Drawings in soft copy  | "Since the hardcopy provided is hard bound , it will be better if the soft copies are provided of the following details new substations, upgradation substations and extension substation as applicable<br>1. Single Line Diagram<br>2. Switchgear-cum-Control Room Building Layout<br>3. Equipment Layout and Section Drawing<br>4. Cable Trench layout with typical trench cross-                             | As per Tender Document.           |



Addendum-1

International Tender Ref. No.: 27.11.0000.101.14.035.22-3233, Dated- 20/07/2022 for "Design, Supply, Construction, Erection, Installation, Testing and Commissioning of 05 Nos. 33/11kV New GIS Substation, 02 Nos. 33/11kV Substation (GIS Up-gradation), 33kV Bay-Extension at 02 Nos. Substation and 33kV Underground Cable Double Circuit Source Line with Civil and other related works including automation of the Sub-station (SAS) on Turnkey Basis under Power Distribution System Development, Chattogram Zone (2nd Phase), BPDB, Chattogram." (LOT-3)

| Sl. No. | Tender Clause & Page No.      | Existing as in Tender Document        | Clarification Asked   | Amendment/ Clarification/ Remarks |
|---------|-------------------------------|---------------------------------------|---|-----------------------------------|
|         |                               |                                       | sections  |                                   |
| 69      | 33kV and 11kV GIS Future Bays | 33kV and 11kV GIS Future Bays         | Please provide the number of future bays need to be considered for 33kV and 11kV GIS bays for each substation in order to optimise the size of the control building.  | As per Tender Document..          |
| 70      | General                       | Accommodation of new equipments       | We presume that sufficient space is available for accommodating the new equipments and panels in the existing station. Please confirm.  | As per Tender Document..          |
| 71      | Existing LVAC & DC system     | Equipment Ratings of Existing station | In existing station, we presume that existing Battery, charger, ACDB and DCDB are adequately rated and has sufficient spare feeders to cater auxiliary supply requirement for C&R panels and switchyard equipments under present scope of work. Please confirm. | As per Tender Document..          |







Addendum-1

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| Sl. No. | Tender Clause & Page No.  | Existing as in Tender Document  | Clarification Asked  | Amendment/ Clarification/ Remarks  |
|---------|---|---|--|--|
| 72      | Technical Specification for 33kV GIS, Section-7, Cl. 7.1.1  | As per the referred clause in the technical specification, scope of work under lot 3 is specified for "07 Nos. New 33/11kV GIS Substation, 04 Nos. 33/11kV GIS Substation (Up-gradation), 02 Nos 33 kV GIS Bay Extension". But as per the scope of works is limited to "05 Nos. 33/11kV New GIS Substation, 02 Nos. 33/11kV Substation (GIS Up-gradation), 33kV Bay-Extension at 02 Nos. Substation" under lot 3. | Request to clear this ambiguity  | Amended As- "05 Nos. 33/11kV New GIS Substation, 02 Nos. 33/11kV Substation (GIS Up-gradation), 33kV Bay-Extension at 02 Nos. Substation" under lot 3. |
| 73      | Price Schedule, Line item No. 1, 33kV GIS and Scope of Works, Cl. B.15 Price Schedule, Line item No. 2, 11kV GIS and Scope of Works, Cl. B.15 | PT Clarification  | As per the referred line item and specification clause, we understand that PT specified along with the power transformer feeder is nothing but Bus PT. Please confirm our understanding. Similarly as per the referred line item and specification clause, we understand that PT specified along with the power transformer incoming feeder of 11kV GIS is nothing but the Bus PT. Please confirm our understanding. | Bus PT   |
| 74      | GTP for 33kV GIS  | Missing 33kV GIS Equipment details.   | Please include the details of circuit breaker, isolator and current transformer used in 33/0.415kV station transformer feeder in the GTP for 33kV Gas Insulated Switchgear   | Available in GTP   |
| 75      | Scope of Work for 33/11kV, 2x16/20 MVA Regular Type GIS (Hathajari New) at S&D-Hathajari  | As per the scope of work for referred SS, we understand that 2 Nos. of existing 16/20MVA are going to be used for this SS.  | Request to provide the details of these transformers.  | As per Tender Document   |




Addendum-1

International Tender Ref. No.: 27.11.0000.101.14.035.22-3233, Dated- 20/07/2022 for "Design, Supply, Construction, Erection, Installation, Testing and Commissioning of 05 Nos. 33/11kV New GIS Substation, 02 Nos. 33/11kV Substation (GIS Up-gradation), 33kV Bay-Extension at 02 Nos. Substation and 33kV Underground Cable Double Circuit Source Line with Civil and other related works including automation of the Sub-station (SAS) on Turnkey Basis under Power Distribution System Development, Chattoogram Zone (2nd Phase), BPDB, Chattoogram." (LOT-3)

| Sl. No. | Tender Clause & Page No.  | Existing as in Tender Document   | Clarification Asked                        | Amendment/ Clarification/ Remarks  |
|---------|---|--|--|--|
| 76      | Technical Specification for 11kV GIS, Section-7, Cl. 7.1a.4.1.2, S.No. 11         | As per the referred clause in the technical specification, incoming cable for the 11kV side of power transformer is specified as 2Rx1Cx500 Sq.mm/phase Cu. XLPE cable. But as per the price schedule and GTP provided for 11kV GIS, transformer incoming cable for 11kV GIS is specified as 2Rx1Cx630mmSq.mm/phase Cu. XLPE cable.                     | Request to confirm the actual requirement. | Amended As- as per price Schedule and GTP provided for 11kV GIS, transformer incoming cable for 11kV GIS is specified as 2x1Cx630mmSq.mm/phase Cu. XLPE cable. |
| 77      | Technical Specification for 11kV GIS, Section-7, Cl. 7.1a.4.1.4, S.No. 1          | As per the referred clause in the technical specification, Busbar rating of 11kV outgoing cubicle is specified as 2000A. But as per the GTP of 11kV GIS, S.No. 63a, rated current of main bus of 11kV outgoing feeder is mentioned as 2500A.   | Request to confirm the actual requirement. | Amended As- as per GTP of 11kV GIS, S.No. 63a, rated current of main bus of 11kV outgoing feeder is mentioned as 2500A.  |
| 78      | Technical Specification for 33/11kV Power Transformer Section-7.4, Cl. 7.4.1.10   | As per the referred clause in the technical specification, as mentioned, connection for HT Bushing of power transformer shall be suitable for ACSR Gross Beak (636 MCM) conductor. But as per the price schedule and scope of works, it is mentioned as 33kV side of power transformer shall be suitable for 1Cx500 Sq.mm Cu. XLPE cable per phase.    | Request to confirm the actual requirement. | Amended As- as per price schedule and scope of works,, 33kV side of power transformer shall be suitable for 1Cx500 Sq.mm Cu. XLPE cable per phase.             |
| 79      | Technical Specification for 33/11kV Power Transformer Section-7.4, Cl. 7.4.1.11   | As per the referred clause in the technical specification, as mentioned, connection for LT Bushing of power transformer shall be suitable for 1Cx500Sq.mm Cu. XLPE cable per phase. But as per the price schedule and scope of works, it is mentioned as 11kV side of power transformer shall be suitable for 2x1Cx630 Sq.mm Cu. XLPE cable per phase. | Request to confirm the actual requirement. | Tap changing features can be provided either in the PCM of 33kV transformer feeder. Separate RTCC Panel is not envisaged. Please confirm.                      |
| 80      | Technical Specification for 33kV GIS, Section 7.1, Clause 7.1.3.11 2A, S.No.7 and | As per the referred clause in the technical specification of 33kV GIS, in 33kV PCM for transformer, we understand that the tap changing features can be provided either in the PCM of 33kV GIS or it can be provided in a separate RTCC panel.   | Request to confirm the actual requirement. | Amended As- as per the price schedule and scope of works, 11kV side of power transformer shall be suitable for 2x1Cx630 Sq.mm Cu. XLPE cable per phase         |

However, as per the referred clause in the technical

We propose Tap changing features as part of the PCM of 33kV transformer feeder. Separate RTCC Panel is not envisaged. Please confirm.

Addendum-1

International Tender Ref. No.: 27.11.0000.101.14.035.22-3233, Dated- 20/07/2022 for "Design, Supply, Construction, Erection, Installation, Testing and Commissioning of 05 Nos. 33/11kV New GIS Substation, 02 Nos. 33/11kV Substation (GIS Up-gradation), 33kV Bay-Extension at 02 Nos. Substation and 33kV Underground Cable Double Circuit Source Line with Civil and other related works including automation of the Sub-station (SAS) on Turnkey Basis under Power Distribution System Development, Chattogram Zone (2nd Phase), BPDB, Chattogram." (LOT-3)

| Sl. No. | Tender Clause & Page No.   | Existing as in Tender Document  | Clarification Asked  | Amendment/ Clarification/ Remarks                   |
|---------|--|---|--|---|
| 81      | 33/11kV, 20/26MVA Power Transformer, Section-7.4, Cl. 7.4.1.5, S.No. 35.c<br>Technical specification and GTP for 33/0.415kV Station Transformer, Section-7.4. Cl. 7.4.3 and Section-8, Cl. 8.18 and SoW Clause B.2 | specification, for 33/11kV, 20/26MVA power transformer, in features and accessories of transformer, it is specified as "RTCC facility in Transformer HT incoming PCM Panel" shall be provided.<br><br>As per the referred clause in the GTP and Scope of works for 250kVA station transformer, we understand that station transformer is of oil type.<br><br>However as per the referred clause in the technical specification for 250kVA station transformer, it seems to be dry type. | Request to confirm the actual requirement. If the requirement is for oil type transformer, please provide the specification for the same along with GTP. | Oil Type station transformer & cooling method ONAN  |
| 82      | 33/0.415kV Station Transformer, Section-7.4, Cl. 7.4.3.2 and Section-8, Cl. 8.18, S.No. 9.b  | As per the referred clause in the technical specification of 250kVA station transformer, highest system voltage of LT winding is specified as 453V. However same is specified as 457V in GTP of 250kVA station transformer.   | Request to confirm the actual requirement.   | Highest system voltage of LT winding shall be 457V. |

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Addendum-1

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| Sl. No. | Tender Clause & Page No.   | Existing as in Tender Document   | Clarification Asked                        | Amendment/ Clarification/ Remarks   |
|---------|--|--|--|---|
| 83      | Technical specification and GTP for 33/0.415kV Station Transformer, Section-7.4, Cl. 7.4.3.2 and Section-8, Cl. 8.18, S.No. 11.b                 | As per the referred clause in the technical specification of 250kVA station transformer, power frequency withstand voltage of LT winding is specified as 3kV. However same is specified as 2.5kV in GTP of 250kVA station transformer.   | Request to confirm the actual requirement. | Power frequency withstand voltage of LT winding shall be 2.5kV.   |
| 84      | Technical specification and GTP for 33/0.415kV Station Transformer, Section-7.4, Cl. 7.4.3.1, S.No.11 and Section-7.8, Cl. 8.18, S.No. 15        | As per the referred clause in the technical specification of 250kVA station transformer, Percentage Impedance at 75 deg C is specified as 6%. However same is specified as 5% in GTP of 250kVA station transformer.  | Request to confirm the actual requirement. | Percentage Impedance at 75 deg C shall be 5%  |
| 85      | Technical specification and GTP for 33/0.415kV Station Transformer, Section-7.4, Cl. 7.4.3.1, S.No. 12&13 and Section-7.8, Cl. 8.18, S.No. 16&17 | As per the referred clause in the technical specification of 250kVA station transformer, losses are as follows<br>No Load Loss - 1200W<br>Load losses at rated full load at 75 deg C - 4000W.<br>But as per the GTP for 250kVA station transformer, losses are as follows<br>No Load Loss - 812W<br>Load losses at rated full load at 75 deg C - 3637W | Request to confirm the actual requirement. | As per the GTP the losses shall be as follows:<br>No Load Loss - 812W<br>Load losses at rated full load at 75 deg C - 3637W |

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Addendum-1

International Tender Ref. No.: 27.11.0000.101.14.0355.22-3233, Dated- 20/07/2022 for "Design, Supply, Construction, Erection, Installation, Testing and Commissioning of 05 Nos. 33/11kV New GIS Substation, 02 Nos. 33/11kV Substation (GIS Up-gradation), 33kV Bay-Extension at 02 Nos. Substation and 33kV Underground Cable Double Circuit Source Line with Civil and other related works including automation of the Sub-station (SAS) on Turnkey Basis under Power Distribution System Development, Chattogram Zone (2nd Phase), BPDB, Chattogram." (LOT-3)

| Sl. No. | Tender Clause & Page No.   | Existing as in Tender Document  | Clarification Asked  | Amendment/ Clarification/ Remarks         |
|---------|--|---|--|---|
| 86      | Technical specification for 33/0.415kV Station Transformer, Section-7.4, Cl. 7.4.3.3 f and g | As per the referred clause in the technical specification for 250kVA station transformer, it is mentioned that HT and LT bushing shall be suitable for accommodating ACSR conductor and copper/AAC conductor respectively. However as per the price schedule and SoW, it is specified as 33kV and LV side of 250kVA station transformer shall be suitable for 33kV, 3Cx95Sq.mm cable and 0.415kV, 4Cx120Sq.mm cable respectively. | Request to confirm the actual requirement.   | Please follow the price schedule and BOQ. |
| 87      | GTP for 33/0.415kV Station Transformer, Section-8, Cl. 8.18, S.No. 49&50                     | As per the referred line item in the GTP, it is specified as type test and short circuit test report for 33/11kV, 200kVA distribution transformer is required. But as per the project requirement test reports will be required for 250kVA transformer.   | We understand that it is a typo error & the requirement shall be 250kVA. Please confirm our understanding. | Yes it will be 250 kVA                    |
| 88      | Technical specification for LVAC Distribution Panel Section-7.3, Cl. 7.3.20                  | As per the referred clause in the specification we understand that, 2 Nos. of 400A MCCB need to be provided with interlock for ACDB incomers. However as per the price schedule only one no. of station transformer is mentioned.   | Request to clarify the source of second incomer for LV AC distribution panel.                              | As per Tender Document                    |
| 89      | Technical specification for DC Distribution Panel Section-7.3, Cl. 7.3.21                    | The incoming and outgoing feeder details of DCDB board is not provided in the technical specification.  | Kindly furnish the details similar to ACDB technical specification.  | As per Tender Document                    |





Addendum-1

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| Sl. No. | Tender Clause & Page No.   | Existing as in Tender Document   | Clarification Asked   | Amendment/ Clarification/ Remarks                            |
|---------|--|--|---|--|
| 90      | General  | Missing GTP  | Please furnish the General Technical Particulars for following equipments:<br>1. LV AC Distribution Panel<br>2. DC Distribution Panel<br>3. 33kV Isolator with Earth Blade<br>4. 33kV Isolator without Earth Blade<br>5. CCTV System  | As per Tender Document                                       |
| 91      | Technical specification for 33kV and 11kV Power Cable, Cl. 7.5.1 | 33kV and 11kV cables   | For 33kV and 11kV cables, we propose that the Metallic screen in combination with Armour shall withstand the specified earth fault current. Please confirm.<br>Also, kindly clarify whether the 33kV & 11kV cable to be supplied under this contract is Earthed grade or unearthed grade? | As per Tender Document                                       |
| 92      | GTP for LT Cable   | As per GTP clauses 8.25 and 8.26, details of 1Cx120Sq.mm and 1Cx150Sq.mm LT cables are provided. However line item for these cables are not available in the price schedule                                    | Request to clarify the requirement of these cables. If required include these sizes in the BPS.   | Price Schedule Item for Earthing Materials                   |
| 93      | Technical specification for LT Cable Section-7.5, Cl. 7.5.1.8    | As per the referred clause in the specification details of 4Cx185Sq.mm LT cables is provided. However line item for this cable is not available in the price schedule.   | Request to clarify the requirement of this cable. If required include these sizes in the BPS.   | Amended As-size of Auxiliary Transformer LT cable 4Cx120 sqm |
| 94      | Price Schedule, 33kV LA, Line item No. 2                         | Please clarify the requirement of 33kV Lightning Arrester. In some substations 33kV LA has been considered for 33kV incoming feeders and in some substations 33kV LA not considered for 33kV Incoming feeders. | Request to check and clarify regarding this ambiguity   | As per Tender Document                                       |

Addendum-1

International Tender Ref. No.: 27.11.0000.101.14.035.22-3233, Dated- 20/07/2022 for "Design, Supply, Construction, Erection, Installation, Testing and Commissioning of 05 Nos. 33/11kV New GIS Substation, 02 Nos. 33/11kV Substation (GIS Up-gradation), 33kV Bay-Extension at 02 Nos. Substation and 33kV Underground Cable Double Circuit Source Line with Civil and other related works including automation of the Sub-station (SAS) on Turnkey Basis under Power Distribution System Development, Chattogram Zone (2nd Phase), BPDB, Chattogram." (LOT-3)

| Sl. No. | Tender Clause & Page No.  | Existing as in Tender Document  | Clarification Asked   | Amendment/ Clarification/ Remarks  |
|---------|---|---|---|--|
| 95      | Price Schedule, Line item for 33kV incoming feeder cable                | Line item for 33kV incoming feeder cable  | As per the price schedule, we understand that there is no line item for incoming cable of 33kV, 1Cx800Sq.mm cable for following Substations.<br><br>1. Chakbazar new 2x20/26MVA GIS SS<br>2. Korbaniganj new 2x20/26MVA GIS SS<br>3. Nasirabad Boys new 2x20/26MVA GIS SS<br>4. Stadium 3x16/20MVA to 3x20/26MVA GIS (Upgradation)<br><br>Only line item for termination kit for 1Cx800Sq.mm cable is available and will be under bidder's scope. Please confirm our understanding. | As per Tender Document 1Cx800sqmm is part of underground cable scope, BOQ & Price Schedule |
| 96      | Extension of GIS SS at Baklia 132/33kV Grid substation 4D bay extension | Existing Station details  | Please furnish the following for existing Station details<br>a) Make & model of existing GIS<br>b) Whether the existing GIS is extensible?<br>c) Please confirm whether adequate space is available for GIS bay extension   | As per Tender Document   |
| 97      | Extension of GIS SS at Baklia 132/33kV Grid substation 4D bay extension | As per the scope of work for referred SS, details provided are related to AIS bay extension. But as per the price schedule given for the referred SS, details provided are related to GIS bay extension.  | Request to clarify the actual requirement.  | As per Tender Document   |
| 98      | Price Schedule, Line item No. 14 and Scope of Works, Cl. B.34           | As per the referred line and clause, we understand that, Power Transformer Neutral will be connected to ground by copper cable of 2X1CX185 Sq.mm. However as per the technical specification clause, 7.3.24, Page 603, minimum of 2x150 sq-mm conductor is specified for PTR neutral. | Request to confirm the actual requirement.  | This cable shall be pvc insulated copper cable of 2X1CX150 mm2.                            |
| 99      | General   | Substation Lighting System  | Please specify the lux level need to be maintained in outdoor/transformer area for the illumination   | The outdoor lighting system generally need to be designed to meet the                      |



Addendum-1

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| Sl. No. | Tender Clause & Page No.   | Existing as in Tender Document   | Clarification Asked  | Amendment/ Clarification/ Remarks |
|---------|--|--|--|-----------------------------------|
|         |  |  | system.  | requirements of IEC Standards.    |
| 100     | Technical specification and GTP for 33kV Outdoor VCB, Section-7.3, Cl. 7.3.3, S.No. 11                 | As per the referred clause in the technical specification of 33kV outdoor VCB, short circuit current is specified as 31.5KA for 3 secs for the rating of 1600A VCB. However as per the price schedule for 33kV Bay extension at Shitakundo SS, short circuit current is specified as 25KA for 3 secs for the rating of 1600A VCB.        | Request to confirm the actual requirement.   | 31.5 KA for 3 sec                 |
| 101     | Technical specification for 33kV Isolator with and without EB, Section-7.3, Cl. 7.3.6 & 7.3.7, S.No.12 | As per the referred clause in the technical specification of 33kV isolator, short circuit current is specified as 31.5KA for 3 secs for the rating of 1600A isolator. However as per the price schedule for 33kV Bay extension at Shitakundo SS, short circuit current is specified as 25KA for 3 secs for the rating of 1600A isolator. | Request to confirm the actual requirement.   | 31.5 KA for 3 sec                 |
| 102     | GTP for extension of 33kV Outdoor equipments   | Missing GTP for extension of 33kV Outdoor equipments   | Please provide the GTP for 33kV outdoor VCB, isolator, current transformer for the requirement specified for "Shitakundo 132/33kV Grid substation 4D bay extension". | As per Tender Document            |
| 103     | Cl.no. 7.1.3.3   | As per referred clause "Tests for corona and radio interference shall be carried out by the Contractor at his Works and on Site".  | As per IEC 62271-200 Radio interference voltage test is not applicable for 33 kV & 11 kV voltage level. Request to clarify this point.                               | As per Tender Document            |







Addendum-1

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| Sl. No. | Tender Clause & Page No.   | Existing as in Tender Document               | Clarification Asked   | Amendment/ Clarification/ Remarks |
|---------|--|--|---|-----------------------------------|
| 104     | Price Schedule, Station Transformer, Line item No. 4                               | Auxiliary Transformer                        | We presume that the auxiliary transformer capacity is given for present scope of work including future bays. Hence we are not envisaging the auxiliary transformer sizing in our scope. We understand in case the auxiliary transformer rating is found to be increased during detailed engineering, the same shall be paid additionally to the Bidder. Please Confirm. | As per Tender Document            |
| 105     | Price Schedule, Battery and Battery Charger, Line item No. 7 & 8a                  | Battery & Charger                            | We presume that the 110V battery & 110V battery charger capacity is given for present scope of work including future bays. Hence we are not envisaging the battery sizing in our scope. We understand in case the battery & charger rating is found to be increased during detailed engineering, the same shall be paid additionally to the Bidder. Please Confirm.     | As per Tender Document            |
| 106     | Price Schedule, LV AC and DCDB Panel, Line item No. 6 & 8b                         | ACDB & DCDB                                  | We propose the feeders in DCDB & ACDB only for present scope of works. We are not considering any spare feeders for future scope. Please confirm.   | As per Tender Document            |
| 107     | General  | Approved Make List                           | Please provide the approved make list of the equipments to be supplied.   | As per Tender Document            |
| 108     | Technical Specification for 33/11kV Power Transformer Section-7.4, Cl. 7.4.1.6.B.5 | Dynamic short circuit withstand test reports | In line with referred clause, We request BPDB to accept Dynamic short circuit withstand test reports of already tested similar transformers based on the similarity criteria as per IEC 60076-5. Please confirm and provide your acceptance.  | As per Tender Document            |



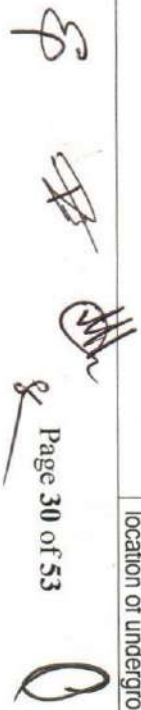






International Tender Ref. No.: 27.11.0000.101.14.035.22-3233, Dated- 20/07/2022 for "Design, Supply, Construction, Erection, Installation, Testing and Commissioning of 05 Nos. 33/11kV New GIS Substation, 02 Nos. 33/11kV Substation (GIS Up-gradation), 33kV Bay-Extension at 02 Nos. Substation and 33kV Underground Cable Double Circuit Source Line with Civil and other related works including automation of the Sub-station (SAS) on Turnkey Basis under Power Distribution System Development, Chattogram Zone (2nd Phase), BPPD, Chattogram." (LOT-3)





| Sl. No. | Tender Clause & Page No.                | Existing as in Tender Document  | Clarification Asked   | Amendment/ Clarification/ Remarks |
|---------|---|---|---|-----------------------------------|
| 109     | Substation Automation System            | SAS/SCADA augmentation at existing substations  | We do not envisage any SAS/SCADA augmentation at existing substations. If required, please add a separate line item in the price schedule. Also please furnish the make and model number of the existing SAS.                     | As per Tender Document            |
| 110     | Substation Automation System            | SAS : PRP or HSR communication protocols  | For SAS we do not envisage any PRP or HSR communication protocols. We propose single communication link between each relay and bay level ethernet switch. Redundant ring shall be provided only at station level. Please confirm. | As per Tender Document            |
| 111     | UG Cabling works                        | Design, Supply, Installation, Testing & Commissioning of 33kV, 1x800mm <sup>2</sup> XLPE Underground armoured copper cable Double circuit line<br>1) R.C.C cable trench and R.C.C. slab (1:1.5:3) | Kindly provide clear breakup of the cable to be laid in the R.C.C cable trench.   | As per Tender Document            |
| 112     | 7.6 CIVIL AND ARCHITECTURE - Cl.7.6.2.0 | Length of Approach Road   | Please provide the approximate length of the approach road for each substation.   | As per Tender Document            |
| 113     | Cl.6.1.1.A.1) (Pg.339)                  | It is indicated that land development work with 1 meter above the highest flood level or 1 meter above the nearest highway or road level which is higher.   | The height appears to be very conservative. Hence we propose 300mm above the highest flood level or 300mm above the nearest highway or road level. Please confirm if the same can be adopted.                                     | As per Tender Document            |
| 114     | 6.2 Bill of Quantities (BOQ)            | The detailed scope of work given in Section 6.1 of Volume 1 of Tender document includes soil testing for soil resistivity and soil bearing capacity   | The Schedule of rates and Prices - Schedule 4 - Civil works part does not include item for soil investigation. Please include item for soil investigation.  | As per Tender Document            |
| 115     | Vol 1 - Section 6.1.1.A.6               | In the referred clause, it is mentioned about the installation of underground reservoir tank  | Please clarify whether it is for rain water harvesting purpose or for any other use. Also please specify the capacity of the tank required along with the location of underground reservoir tank.                                 | As per Tender Document            |


  
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| Sl. No. | Tender Clause & Page No.                      | Existing as in Tender Document   | Clarification Asked   | Amendment/ Clarification/ Remarks |
|---------|---|--|---|-----------------------------------|
| 116     | Vol 1 - Section 6.1.1.A.6                     | Installation of underground reservoir tank   | Please note that there is no separate line item for consideration of underground reservoir tank and tube well, request you to specify the line item under which quantities for the same needs to be considered. | As per Tender Document            |
| 117     | Vol 1 - Section 6.1.1.6.A.6 AND 'Cl6.1.1.8.A6 | In the referred clause, it is mentioned that Design & Construction of extension of Substation with existing control room as per price schedule including roof lime terracing, door, window, toilet etc.  | Request to provide the existing control room building drawing plan along with soil report for existing station locations  | As per Tender Document            |
| 118     | Vol 1 - Section 6.1.16.A.7                    | In the referred clause, it is mentioned that Supply and construction of Power cable trench and control cable rack inside the Ground floor of the substation building. Proper fire and water proof sealing of the cable entry (control & Power) at Control Room building, to prevent water entering from switch yard/outside to CR Building, preventing entry of rats and reptiles, fire proof etc. | The area of Control building is not mentioned in the scope of works. Request to provide the same.   | As per Tender Document            |
| 119     | Cl.7.6.2.2.e) (Pg.763)                        | In the referred clauses of the technical specification, minimum depth of foundation has been provided  | We presume that the depth is indicated from the Finished Ground Level (FGL) and is for open shallow foundations. Please confirm.  | As per Tender Document            |
| 120     | Cl.7.6.2.2.a) (Pg.761)                        | It is mentioned "On fill sites where depth of fill exceeds 3 meters the contract assumes piled foundations shall be installed below buildings. If placed foundations are found to be unnecessary in the final site investigation report, a reduction in the contract value shall be agreed on the basis of schedule rates."  | In order to assess requirement of fill depth, please furnish the contour / spot levels of existing ground levels and existing road level.   | As per Tender Document            |



  
  
  




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| Sl. No. | Tender Clause & Page No.                   | Existing as in Tender Document   | Clarification Asked  | Amendment/ Clarification/ Remarks |
|---------|--|--|--|-----------------------------------|
| 121     | Cl.7.6.2.2. e (Pg.764)                     | It is mentioned "One working pile chosen by the engineer shall be load tested at each site to 150% of design load in accordance with BS 8004."   | Based on the above, we assume that no test pile is required to be done. Please confirm.  | As per Tender Document            |
| 122     | Cl.7.6.20.1(3) (Pg.789) & Clause 6.1.7.A.8 | As per the clause 7.6.20.1(3), it is mentioned that the road shall be with Asphalt surface course. But as per clause 6.1.7.A.8, it is mentioned as concrete(RCC) road. Also it is mentioned that other roads main and approach road shall be 6 mtrs wide. Road in front of transformer shall be 6.0 mtrs wide concrete road. | Please confirm the type of road to be provided for GIS S/S and the bay extension Substations. Also please confirm if 6 m wide road is required for all the type of Substations.  | As per Tender Document            |
| 123     | Section 7.6.2.1 (4 Foundation)             | It is mentioned that for GIS S/S foundation shall be Considering 03 storied building (no Basement) (G+1) with Four storied foundation  | In this regard please confirm the quantum of dead and live load to be considered for the future floors.  | As per Tender Document            |
| 124     | Cl.7.6.2.2. (Pg.761)                       | The referred clauses state that where the depth of fill exceeds 3 meters, the contract assumes piled foundations shall be installed below buildings.   | Please furnish the filling depth above NGL (Natural Ground Level) for all the substations, in order to assess the foundation depth and type.   | As per Tender Document            |
| 125     | Cl.7.6.2.2. e Foundations (Pg.763)         | The referred clauses state that "Between column footings all walls, including all internal wall shall be provided with a reinforced concrete strip footing of minimum dimension 800 mm wide by 250 mm deep placed at the same level as column footings and linked structurally to the footings."                             | We understand that all the walls are non load bearing walls and the building is a framed structure with beams and columns. Hence the loads of the walls shall be directly transferred to plinth beams and the foundations for the walls is not required. Please clarify. | As per Tender Document            |
| 126     | Cl.7.6.3.8 Gravel layer (Pg.769)           | The referred clause states that "Gravel layer shall, in principle, be laid in a single layer with no large gaps, stand on end and intersices shall be filled with granular gravel."  | We have assumed 100mm thick single layer of gravel fill directly over the ground level. Please confirm whether our assumption is ok.   | As per Tender Document            |
| 127     | Cl.7.6.20. (Pg.788) & Cl.7.6.21.a (Pg.790) | Cl.7.6.20. states the construction of the road shall be carried out in accordance with the drawing and Cl.7.6.21.a) states the drainage work shall be as described in the drawing  | There is no drawing furnished for the same. Request you to provide the drawing as per the mentioned clause.  | As per Tender Document            |



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| Sl. No. | Tender Clause & Page No.  | Existing as in Tender Document   | Clarification Asked   | Amendment/ Clarification/ Remarks |
|---------|---|--|---|-----------------------------------|
| 128     | Section 7 - Technical Specifications of Plant and equipment - Clause 7.3.22- (Pg.654) | As per Volume 1 of 2- 6.1 - Scope of supply of plant and installation, Clause.6.1.1.1. A. 1), soil testing for soil bearing capacity before designing is under contractor scope. But as per the clause 7.3.22 (Pg.654), it is indicated that foundation of all steel structures should be carried out considering soil pressure <4880 kg/m2. | It has been presumed that for new substations the SBC shall be according to the soil report and for Sub-station steel works the SBC shall be 4880 kg/m2.<br>The depth of foundation at which 4880 kg/m2 is attained has not been furnished. Please furnish the details. | As per Tender Document            |
| 129     | Cl.7.6.2.2.c) (Pg.762)  | It is mentioned "Boreholes shall be taken on a 25 meter grid with atleast 3 additional boreholes beside each building. Additional boreholes may also be required where uneven fill depth is encountered."  | We wish to inform that boreholes on a 25 meter grid is on very conservative side and it is suggested to be revised to 50 meter grid and minimum number of boreholes shall be 3 numbers per Substation.  | As per Tender Document            |
| 130     | Cl.7.6.21 (Pg.790)  | Type of drain construction   | Type of drain construction is not mentioned in specification. We propose to provide open rectangular brick drain for all substations. Please confirm and provide typical drawing of drain sections.   | As per Tender Document            |
| 131     | General   | Drain Outfall point  | Request you to indicate the outfall point for the drain along with the place which it has to be drained into from the boundary.   | As per Tender Document            |
| 132     | CONTROL BUILDING clause 7.6.24.2 page 794 & 7.6.2.2 page 761                          | In the referred clause 7.6.24.2, it is indicated that "the pile to be used for Control Building shall be steel pipe pile (406.4 x 6.4)". Whereas as per 7.6.2.2 it is mentioned that "Piles shall be concrete (cast in situ or pre-cast) complying with BS 8004".  | Please confirm which type of pile to be adopted.  | As per Tender Document            |
| 133     | Section 7.6.2.1 Architectural and structural Requirements of Buildings                | In the referred section, it is indicated that An external concrete open staircase shall be provided up to the roof for AIS Sub-stations  | Please confirm whether the of area per each floor of control room building provided is including of this external staircase.  | As per Tender Document            |
| 134     | Cl 6.1.1.1 (6)  | Please note that as per scope it is mentioned that "In control room high quality tiles shall be installed in floor".   | In this regard request you to provide the required type of tiles corresponding to different rooms of the GIS building.  | As per Tender Document            |



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| Sl. No. | Tender Clause & Page No.   | Existing as in Tender Document   | Clarification Asked   | Amendment/ Clarification/ Remarks |
|---------|--|--|---|-----------------------------------|
| 135     | Vol 1 - Schedule of rates and prices - Schedule no. 4 - Civil works part<br>Section 7.2. | The item c) of Schedule 4. Civil works part states construction of substation switchyard.  | Please indicate the activities which can be covered under this item.  | As per Tender Document            |
| 136     | Technical specifications of power transformers and station auxiliary transformers        | In section 7.2. Technical specifications of power transformers and station auxiliary transformers, the type of foundation to be adopted for transformers has not been specified.                             | Request to confirm whether we have to adopt pedestal type foundation or complete block type foundation for transformer.                             | As per Tender Document            |
| 137     | Cl.7.6.1.3<br>pg.no.757-Basic design conditions  | As per clause 7.6.1.3, wind velocity is mentioned as 217m/s,   | Kindly confirm as the value seems to be much higher.  | As per Tender Document            |
| 138     | Section 7.6. Control Building<br>Cl.7.6.28   | As per clause 7.6.28, It is mentioned as Lintels for opening shall be of reinforced concrete and extended to a length of at least 20mm into the adjoining walls. The bearing length of 20mm looks very less, | We presume to be it as 200mm, Kindly confirm.   | As per Tender Document            |
| 139     | Section 9-Drawings   | Layout drawings only for Lot-2 package are provided  | Layout plan for all the lots including New/S/S, Upgradation, Bay extensions and Cable routing are to be provided.                                   | As per Tender Document            |
| 140     | Section 7.6. Architectural and structural Requirements of Buildings                      | As per clause 7.6.2.1, It is mentioned as Modern Architectural designed R.C.C or Steel Framed Structure featured by Green Building Technology.   | Kindly confirm in particular whether R.C.C or steel building need to be considered.   | As per Tender Document            |
| 141     | Section 7.6. Clause.7.6.2.2 Ground conditions, Foundations and Site Investigation        | As per clause 7.6.2.1, Pg.No.764, It is mentioned as, The tops of all foundations shall terminate 1000mm above site average finished surface level.  | We understand that top of foundation means top of pedestal, also 1000mm above Average finished surface looks conservative. Kindly confirm the same. | As per Tender Document            |

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| Sl. No. | Tender Clause & Page No. | Existing as in Tender Document | Clarification Asked   | Amendment/ Clarification/ Remarks |
|---------|--------------------------|--------------------------------|---|-----------------------------------|
| 142     | General                  | Firewall                       | Please specify the fire rating and type of firewall required for power transformers, request you to share the typical drawing as per existing practise. | As per Tender Document            |
| 143     | General                  | Oil Collection Pit             | Please clarify whether a common oil collection pit or underground oil collection tank is to be provided for the transformers in both the stations       | As per Tender Document            |
| 144     | General                  | Culvert                        | Please confirm the type of culvert ( RCC Box culvert or pipe culvert) is to be provided for trenches and drains crossing the road.                      | As per Tender Document            |
| 145     | General                  | Lattice Structure              | We propose to use lattice type structure for all equipment supports.Please confirm.   | As per Tender Document            |
| 146     | General                  | Steel Grade                    | Please mention the grade of steel to be used for structural works. We propose to adopt mild steel with minimum yield strength of 250 MPa.               | As per Tender Document            |
| 147     | General                  | Standard Drawings              | Please provide the standard drawings for trench, drain, boundary wall, fence, gate,etc , if any.  | As per Tender Document            |
| 148     | General                  | Retaining wall                 | Please specify the type of retaining wall required.   | As per Tender Document            |
| 149     | General                  | External Staircase             | Please confirm whether external staircase is required for the control room building.  | As per Tender Document            |
| 150     | General                  | Boundary Wall                  | In specification, the type of boundary wall is not mentioned. We have considered the same shall be RCC frame with brick infill wall. Please confirm.    | As per Tender Document            |
| 151     | General                  | General                        | We trust that all steel structures shall be connected to their foundation by foundation bolts and base plate. Please confirm.                           | As per Tender Document            |
| 152     | General                  | General                        | Scope of work shall be limited only to Section 6 - Employer's requirements and Price schedule. The section 7 and 8 titled " Technical specifications of | As per Tender Document            |








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| Sl. No. | Tender Clause & Page No. | Existing as in Tender Document  | Clarification Asked   | Amendment/ Clarification/ Remarks |
|---------|--------------------------|---|---|-----------------------------------|
| 153     | General                  | General   | Plant and equipment" and " Guaranteed technical particular (GTP) of Plant and equipment" shall be considered only for reference purposes for technical details and not for scope. Also in case of discrepancy between section 6 and section 7, it is considered that section 6 would prevail.<br>In case of contradiction between Price schedule and other sections, it is considered that price schedule shall prevail.<br>Please furnish the preliminary soil investigation report for all the substations in lot-3., in order to assess the fill depth, foundation depth and type. | As per Tender Document            |
| 154     | General                  | General   | It is indicated that cable trenches are to be provided for power and control cables but the type of cable trench is not specified. Please confirm whether the trench is with RCC or brickwall.  | As per Tender Document            |
| 155     | 4.4                      | If corrupt, fraudulent, collusive, coercive (or obstructive in case of Development Partner) practices of any kind is determined by the Procuring Entity against any Tenderer or Contractors (including sub-contractors, agents, personnel, consultants, and service providers) in competing for, or in executing, a contract under public fund: | With respect to the subject clause, we request you to give the contractor an opportunity to explain, before the Procuring Entity exercise its rights under this clause.   | As per Tender Document            |
| 156     | ITT 24.2 Vol 1 of 5      | Delegation of Power of Attorney/Authorization Letter to Sign the Bid  | We understand that PoA will be drawn in favour of Secretary, BPDB only. Please confirm.   | As per Tender Document            |
| 157     | ITT 26.5 (a)             | Port of Landing: Any port of Chittagong/Dhakakhalina (Mongla)/Benapole.<br>Place of Destination: Project site or Project Store, Chattogram (Phase-2) or BPDB's store near to the substation sites or any store/place as directed by   | We understand that nearby BPDB store will be available for storing Material/Machinery/Equipment for this project free of any charges. Please confirm.   | As per Tender Document            |



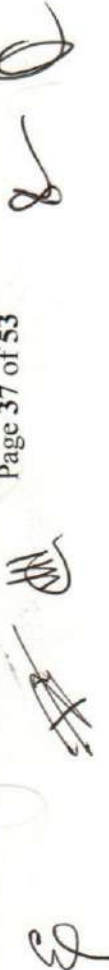





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| Sl. No. | Tender Clause & Page No.                        | Existing as in Tender Document   | Clarification Asked  | Amendment/ Clarification/ Remarks |
|---------|---|--|--|-----------------------------------|
|         |   | Consignee.   |  |                                   |
| 158     | ITT 26.7  | The prices quoted by the Tenderer shall be fixed for the duration of the Contract  | Citing huge price variations in market within last one year and in line with similar tenders in past, requesting you to add Price Adjustment Clause for Transformers, Cable, Structure, Civil & Erection items. DPDC Price Variation formula is attached for your reference. | As per Tender Document            |
| 159     | ITT 29.3 (c)                                    | After sales service is required  | We understand that only obligations covered under DLP/Warrantee will be covered in after sales service by the contractor. Please confirm.  | As per Tender Document            |
| 160     | ITT 57.5 (b)<br>Schedule 1,3,4,5&6<br>2,3,4,5&6 | Cost of major replacement components, mandatory spare parts, and service: Not Applicable.<br>Supply of VCB (Including 1 Spare)   | Subject clause and BoQ are contradicting as cost of spares is included for overall price bid. Requesting you to include required spares under Sechdule 1.9 & 2.9   | As per Tender Document            |
| 161     | ITT 57.7  | If the lowest Evaluated Tender is significantly below the official estimated cost or unbalanced as a result of front loading in the opinion of the TEC.....  | The % below the Tender estimate for which the bids will be considered "significantly below the official estimate" is not specified in the tender document. Requesting you to kindly specify.   | As per Tender Document            |
| 162     | 7.1   | The parties shall enter into a Contract Agreement within twenty eight (28) days from the date of issuance of the Notification of Award (NOA). The costs of stamp duties and similar charges, if any, designated by the applicable law in connection with entry into the Contract Agreement, shall be borne by the Employer | Please indicate the stamp duty of non judicial stamp paper.  | As per Tender Document            |
| 163     | 13.1  | The Employer shall give possession of the Site or part(s) of the Site, to the Contractor on the date(s) stated in the PCC. If possession of a part of the Site is not given by the date stated in the PCC, the Employer will be deemed to have   | Contractor will be eligible for both Cost and Time Compensation. Please confirm.   | As per Tender Document            |





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|---------|--------------------------|--|--|-----------------------------------|
|         |                          | delayed the start of the relevant activities, and this will be a Compensation Event  |  |                                   |
| 164     | 13.1<br>25               | The Employer shall give possession of the Site or part(s) of the Site, to the Contractor on the date(s) stated in the PCC. If possession of a part of the Site is not given by the date stated in the PCC, the Employer will be deemed to have delayed the start of the relevant activities, and this will be a Compensation Event   | We understand that right of way acquisition i.e. associated acquisitions of land, clearance from local bodies, etc. if any will be scope of the employer. Please confirm.        | As per Tender Document            |
|         |                          | <b>Employer Responsibility</b><br>The Contractor, in particular, shall provide proper accommodation to his or her labourers and arrange proper water supply, conservancy and sanitation arrangements at the site for all necessary hygienic requirements and for the prevention of epidemics in accordance with relevant regulations, rules and orders of the government.  | The minimum facilities or % of contract value to be considered for necessary arrangement under this requirement is not clearly specified in the tender document. Please specify. | As per Tender Document            |
| 166     | 26.2                     | The Contractor confirms that it has entered into this Contract on the basis of a proper examination of the data relating to the Facilities including any data as to boring tests provided by the Employer, and on the basis of information that the Contractor could have obtained from a visual inspection of the Site if access thereto was available and of other data readily available to it relating to the Facilities as of the date twenty-eight (28) days prior to tender submission. | No boring data / geological data is provided along with the tender document. Please provide the available data for the SS locations.   | As per Tender Document            |
| 167     | 52                       | Force Majeure  | We understand that epidemic / pandemic and their subsequent variants will be covered in Force Majeure. Please confirm.   | As per Tender Document            |







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| Sl. No. | Tender Clause & Page No.         | Existing as in Tender Document   | Clarification Asked   | Amendment/ Clarification/ Remarks |
|---------|----------------------------------|--|---|-----------------------------------|
| 168     | Vol 1 of 2 Section 3<br>64.2.5   |  | If before or during the preparation of the Change Proposal it becomes apparent that the aggregate effect of compliance therewith and with all other Change Orders that have already become binding upon the Contractor under this GCC Clause 64 would be to increase or decrease the Contract Price as originally set forth in Article 2 (Contract Price) of the Contract Agreement by more than fifteen percent (15%), the Contractor may give a written notice of objection thereto prior to furnishing the Change Proposal as aforesaid. If the Employer accepts the Contractor's objection, the Employer shall withdraw the proposed Change and shall notify the Contractor in writing thereof. | As per Tender Document            |
| 169     | Vol 1 of 2 Section 4<br>GCC 41.2 |  | The amount of Liquidated Damages for Delay or Delay Damages or Delay to Completion Date of the uncompleted delivery of goods/works/services or for any part thereof is: At the rate of zero point one percent (0.1%) of the Contract Price of relevant part per day   | As per Tender Document            |
| 170     | GCC 60.4.2                       | Import Duty, VAT, Taxes, Levies and other Taxes for Permanent Materials of the project:<br>The Board shall pay all Bangladesh Customs and Import duties, VAT, Taxes and all other liabilities arising from the Importation of all permanent Materials and equipments under the contract. | We understand that all taxes and duties arising on the all permanent materials and equipments under the contract shall be paid by the employer. Kindly confirm.<br><br>Also, please confirm if any changes in the taxes and duties shall be on employer's account.  | As per Tender Document            |











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| Sl. No. | Tender Clause & Page No.    | Existing as in Tender Document  | Clarification Asked   | Amendment/ Clarification/ Remarks |
|---------|-----------------------------|---|---|-----------------------------------|
| 171     | GCC 60.1 60.4<br>Schedule 1 | Import Duty, VAT, Taxes, Levies and other Taxes for Permanent Materials of the project: The Board shall pay all Bangladesh Customs and Import duties, VAT, Taxes and all other liabilities arising from the Importation of all permanent Materials and equipments under the contract. | We understand that Column 7 of Schedule 1: Taxes and Duties In Local Currency will not be included in the evaluation of Price Bids. Please confirm.                                 | As per Tender Document            |
| 172     | GCC 60.4<br>Schedule 2      | Import Duty, VAT, Taxes, Levies and other Taxes for Permanent Materials of the project: The Board shall pay all Bangladesh Customs and Import duties, VAT, Taxes and all other liabilities arising from the Importation of all permanent Materials and equipments under the contract. | We understand that the Taxes and Duties In Local or Foreign Currency (Column 6 & 7) quoted under this Schedule will not be considered during commercial evaluation. Please confirm. | As per Tender Document            |
| 173     | GCC 60.4<br>Schedule 2      | Import Duty, VAT, Taxes, Levies and other Taxes for Permanent Materials of the project: The Board shall pay all Bangladesh Customs and Import duties, VAT, Taxes and all other liabilities arising from the Importation of all permanent Materials and equipments under the contract. | We understand that local sales tax is to be quoted for Schedule No. 2. Same tax will be reimbursed to contractor as per the PCC GCC 60. Please confirm.                             | As per Tender Document            |
| 174     | Insurance Requirements      | The minimum insurance cover shall be 110% (Hundred Ten). The insurance policy would be furnished from Bangladesh Sadharan Bima Corporation.   | We request you to consider all reputed Private/Gov. Insurance Company in Bangladesh/Bidder Country/Manufacturer Country for this Contract's Insurance requirement.                  | As per Tender Document            |






Addendum-1

International Tender Ref. No.: 27.11.0000.101.14.035.22-3233, Dated- 20/07/2022 for "Design, Supply, Construction, Erection, Installation, Testing and Commissioning of 05 Nos. 33/11kV New GIS Substation, 02 Nos. 33/11kV Substation (GIS Up-gradation), 33kV Bay-Extension at 02 Nos. Substation and 33kV Underground Cable Double Circuit Source Line with Civil and other related works including automation of the Sub-station (SAS) on Turnkey Basis under Power Distribution System Development, Chattogram Zone (2nd Phase), BPDB, Chattogram." (LOT-3)

| Sl. No. | Tender Clause & Page No. | Existing as in Tender Document  | Clarification Asked  | Amendment/ Clarification/ Remarks |
|---------|--------------------------|---|--|-----------------------------------|
| 175     | Bank Guarantee           | Bank Guarantee for Tender Security (Form PG5A- 6) [this is the format for the Tender Security to be issued by a scheduled bank of Bangladesh as stated under ITT Clauses 32 and 33]                           | Requesting you to accept Bank Guarantee from Scheduled Banks of Bangladesh/Internationally Reputed Banks also.   | As per Tender Document            |
| 176     | Bank Guarantee           | Bank Guarantee for Tender Security (Form PG5A- 6)   | With reference to the feedback received from Banks, kindly allow addition of the following last para to the EMD BG.<br><br>"Notwithstanding anything stated above:<br>1) Our liability under this Guarantee shall not exceed Rs..... *(both in figures & in words).<br>2) The Bank Guarantee shall remain valid up to and including ..... *(day/month/year).<br>3) We are liable to pay the Guaranteed amount or any part thereof under this Bank Guarantee only and only if we receive a written claim or demand on or before .....*(day/month/year) at ..... *(Bank Branch)."<br><br>Kindly confirm. | As per Tender Document            |
| 177     | Bank Guarantee           | Bank Guarantee for Tender Security (Form PG5A- 6)   | Please indicate the stamp duty of non judicial stamp paper.  | As per Tender Document            |
| 178     | Line of Credit           | Letter of Commitment for Bank's undertaking for Line of Credit (Form PG5A-6a) [This is the format for the Credit Line to be issued by any scheduled Bank of Bangladesh in accordance with ITT Clause 15.1(b)] | Requesting you to accept Letter for Line of Credit from Scheduled Banks of Bangladesh/Internationally Reputed Banks also.  | As per Tender Document            |



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| Sl. No. Tender Clause & Page No. | Existing as in Tender Document  | Clarification Asked   | Amendment/ Clarification/ Remarks |
|----------------------------------|---|---|-----------------------------------|
| 179<br><br>GCC 8                 | Neither the Contractor nor the Employer shall assign, in whole or in part, its obligations under the Contract; except with the Employer's prior written approval  | We hereby propose to modify the clause as "Neither the Contractor nor the Employer shall assign, in whole or in part, its obligations under the Contract, except with the prior written approval of the other party. No such assignment shall diminish the rights, remedies or entitlements of the Contractor"<br>Request your acceptance for the same. | As per Tender Document            |
| 180<br><br>GCC 68.2              | If the Contract is terminated for the Employer's convenience or because of a fundamental breach of Contract by the Employer, the Project Manager shall issue a payment certificate for the value of the work done, Materials ordered, the reasonable cost of removal of Equipment, repatriation of the Contractor's foreign personnel employed solely on the Works and recruited specifically for the Works, and the Contractor's costs of protecting and securing the Works, and less advance payments received up to the date of the certificate. | In addition to the payment entitlements listed in this clause, we would like to add that the Contractor shall also be entitled to "such other costs or liabilities which in the circumstances were reasonably and necessarily incurred by the Contractor in the expectation of completing the Works".<br>Request your acceptance for the same.          | As per Tender Document            |












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| Sl. No. | Tender Clause & Page No. | Existing as in Tender Document  | Clarification Asked   | Amendment/ Clarification/ Remarks |
|---------|--------------------------|---|---|-----------------------------------|
| 181     | GCC 70                   | <p>Frustration If the Contract is frustrated by the occurrence of a situation of Force Majeure as defined in GCC Sub Clause 52, the Engineer shall certify that the Contract has been frustrated. The Contractor shall make the Site safe and stop work as quickly as possible after receiving this certificate and shall be paid for all works carried out before receiving it and for any work carried out afterwards to which a commitment was made.</p> <p>Authority of the Engineer- "To prevent delays and disputes, and to discourage litigation, it is agreed by the parties to this Contract that the Engineer shall resolve, by written opinion, all questions in relation to the Work performed under this Contract. If, in the opinion of the Contractor or the Employer, a written decision made by the Engineer is not in accordance with the meaning and intent of the Contract, either party may file with the engineer and the other party to the Contract, within thirty (30) days after receipt written decision, a written objection to the decision. Failure to file an objection within the allotted time will be considered as acceptance of the Engineer's decision and the decision shall become final and conclusive. If such written objection is timely filed, the objecting party may at any time thereafter and prior to final payment under the Contract, request that the matter be referred to arbitration pursuant to the provisions hereinafter set forth in Clause "Arbitration". The Engineer's decision and the filing of the written objection thereto shall be Conditions precedent to the right to request arbitration or to start action in court."</p> | <p>In the event of frustration of Contract due to occurrence of a situation of Force Majeure, request to ensure that Contractor is entitled to all payments as mentioned in GCC 68.3</p>  | As per Tender Document            |
| 182     | PCC 35.3.2               | <p>Authority of the Engineer- "To prevent delays and disputes, and to discourage litigation, it is agreed by the parties to this Contract that the Engineer shall resolve, by written opinion, all questions in relation to the Work performed under this Contract. If, in the opinion of the Contractor or the Employer, a written decision made by the Engineer is not in accordance with the meaning and intent of the Contract, either party may file with the engineer and the other party to the Contract, within thirty (30) days after receipt written decision, a written objection to the decision. Failure to file an objection within the allotted time will be considered as acceptance of the Engineer's decision and the decision shall become final and conclusive. If such written objection is timely filed, the objecting party may at any time thereafter and prior to final payment under the Contract, request that the matter be referred to arbitration pursuant to the provisions hereinafter set forth in Clause "Arbitration". The Engineer's decision and the filing of the written objection thereto shall be Conditions precedent to the right to request arbitration or to start action in court."</p>   | <p>Considering this clause, we like humbly like you to ensure that : (a) Engineer shall provide his decision as soon as possible and within a period not exceeding 14 days; (b) The Engineer's decision shall not be final/conclusive and the filing of written objection shall not be a condition precedent to the right to request arbitration or to start action in court.</p> | As per Tender Document            |
| 183     | GCC 77.1                 | <p>Release of liability- "The acceptance by the Contractor of the last payment shall operate as, and shall be, a release to the BOARD and every officer, agent and employee thereof,</p>  | <p>Kindly ensure that this clause shall not apply to any surviving disputes or claims of the Contractor</p>   | As per Tender Document            |



International Tender Ref. No.: 27.11.0000.101.14.035.22-3233, Dated- 20/07/2022 for "Design, Supply, Construction, Erection, Installation, Testing and Commissioning of 05 Nos. 33/11kV New GIS Substation, 02 Nos. 33/11kV Substation (GIS Up-gradation), 33kV Bay-Extension at 02 Nos. Substation and 33kV Underground Cable Double Circuit Source Line with Civil and other related works including automation of the Sub-station (SAS) on Turnkey Basis under Power Distribution System Development, Chattogram Zone (2nd Phase), BPPD, Chattogram." (LOT-3)

| Sl. No. | Tender Clause & Page No.                                       | Existing as in Tender Document   | Clarification Asked   | Amendment/ Clarification/ Remarks |
|---------|--|--|---|-----------------------------------|
| 184     | GCC 57.3 r/w Appendix 1  | <p>from all claims and liability hereunder for anything done or furnished for or relating to the work, or for any act or neglect of the BOARD or of any person relating to or the affecting the work</p> <p>Note: The Payment-delay period after which the Purchaser shall pay interest to the Contractor/Supplier shall not allowed. No interest will be applicable for delayed payment</p> | <p>We like to request you to kindly consider this clause since ideally, Contractor should be entitled to interest on delayed payments</p> <p>*At least 02 (two) nos. of Manufacturer's Supply Experience (supported by Copy of Completion Certificate from Purchaser along with NOA/ Contract Agreement/Purchase Order and the certificate shall contain End User's full mailing address, fax/telephone number, website address, domain e-mail address for the convenience of authentication) for offered type similar or higher capacity rating 33kV Gas Insulated Switchgear (GIS), Substation Automation System (SAS), Power Transformer, Station Transformer, 33kV Outdoor VCB, 33kV PCM Panel, 11kV Gas Insulated Switchgear (GIS) with PCM Panel, Battery &amp; Battery Charger, 33kV &amp; 11kV XLPE Power Cable, 33kV CT &amp; PT, 33 kV Isolators, 33 kV &amp; 11kV LA of same voltage class within the last 05 (five) years i.e. years counting backward from the date of publication of IFT in the newspaper.*</p> <p>Please confirm that Manufacturer's Supply Experience of 33 kV &amp; 11 kV XLPE Power cable for higher voltage class is acceptable.</p> | As per Tender Document            |
| 185     | Volume 1, Section 2, D. "Tender Preparation", ITT 24.2 (r), 13 |  | <p>"At least 02 (two) nos. Manufacturer's Satisfactory Performance Certificates from Electricity Utility as</p>   | As per Tender Document            |
| 186     | Volume 1, Section 2, D. "Tender                                |  |   | As per Tender Document            |

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Addendum-1

International Tender Ref. No.: 27.11.0000.101.14.035.22-3233, Dated- 20/07/2022 for "Design, Supply, Construction, Erection, Installation, Testing and Commissioning of 05 Nos. 33/11kV New GIS Substation, 02 Nos. 33/11kV Substation (GIS Up-gradation), 33kV Bay-Extension at 02 Nos. Substation and 33kV Underground Cable Double Circuit Source Line with Civil and other related works including automation of the Sub-station (SAS) on Turnkey Basis under Power Distribution System Development, Chattogram Zone (2nd Phase), BPDB, Chattogram." (LOT-3)

| Sl. No. | Tender Clause & Page No.  | Existing as in Tender Document | Clarification Asked  | Amendment/ Clarification/ Remarks |
|---------|---|--------------------------------|--|-----------------------------------|
|         | 7Preparation", ITT 24.2 (r), 14                                     |                                | End User depicting that each offered type similar or higher capacity rating 33kV Gas Insulated Switchgear (GIS), Substation Automation System (SAS), Power Transformer, Station Transformer, 33kV Outdoor VCB, 33kV PCM Panel, 11kV Gas Insulated Switchgear (GIS) with PCM Panel, Battery & Battery Charger, 33kV & 11kV XLPE Power Cable, 33kV CT & PT, 33 kV Isolators, 33 kV & 11kV LA of same voltage class within last 10(ten) years i.e. years counting backward from the date of publication of IFT in the newspaper and has been in satisfactorily service for at least 02(two) years." |                                   |
| 187     | Volume 1, Section 2, D. "Tender Preparation", ITT 24.2 (r), 13 & 14 |                                | Please confirm that Manufacturer's Satisfactory Performance Certificate from Electricity Utility of 33 kV & 11 kV XLPE Power cable for higher voltage class is acceptable.   | As per Tender Document            |
| 188     | Volume 1, Section 2, D. "Tender Preparation", ITT 24.2 (r), 13      |                                | Please confirm that cable size of 3Cx300 sqmm or above is similar or higher capacity in reference to the tender requirement of 1x800 sqmm.<br><br>"At least 02 (two) nos. of Manufacturer's Supply Experience (supported by Copy of Completion Certificate from Purchaser along with NOAV Contract Agreement/Purchase Order and the certificate shall contain End User's full mailing address, fax/telephone number, website address, domain e-mail address for the convenience of authentication) ....."  | As per Tender Document            |



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| Sl. No. Tender Clause & Page No.                                      | Existing as in Tender Document | Clarification Asked  | Amendment/ Clarification/ Remarks   |
|---|--------------------------------|--|---|
| 189<br>Volume 1, Section 2, D. "Tender Preparation", ITT 24.2 (f), 30 |                                | <p>We understand that the completion certificate from Purchaser will be acceptable. Please confirm.</p> <p>Type Test Certificates &amp; Reports for XLPE insulated Copper cable of similar or higher size of similar or higher voltage class from any short-circuit testing liaison (STL) Member.</p> <p>Please note that following test are not applicable for EHV cable</p> <ol style="list-style-type: none"> <li>1. Electrical type test</li> <li>g. Voltage test for 4 h</li> <li>2. Non Electrical type tests               <ol style="list-style-type: none"> <li>l. Water absorption test on insulation</li> <li>m. Flame spread test on single cables</li> <li>o. Strip ability test for insulation screen.</li> </ol> </li> </ol> <p>We understand if bidder propose higher voltage type test reports above test will not be applicable. Please Confirm.</p> | <p>As per Tender Document</p>   |
| 190<br>Volume 2, Section 7.5, Clause 7.5.1 & Section 8, 8.19, SI No 9 |                                | <p>As per Volume 2, Section 7.5, Clause 7.5.1 "The minimum number of wires in conductor shall be 61 and the maximum DC resistance of conductor shall be 0.0221 Ohm/KM at 20 deg C."</p> <p>As per Volume 2, Section 8, 8.19, SI No 9 "No of Wire 91."</p> <p>Please clarify.</p>   | <p>Amended As-<br/>Please consider the minimum number of wires in conductor shall be 91</p> |

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International Tender Ref. No.: 27.11.0000.101.14.035.22-3233, Dated- 20/07/2022 for "Design, Supply, Construction, Erection, Installation, Testing and Commissioning of 05 Nos. 33/11kV New GIS Substation, 02 Nos. 33/11kV Substation (GIS Up-gradation), 33kV Bay-Extension at 02 Nos. Substation and 33kV Underground Cable Double Circuit Source Line with Civil and other related works including automation of the Sub-station (SAS) on Turnkey Basis under Power Distribution System Development, Chattogram Zone (2nd Phase), BPDB, Chattogram." (LOT-3)

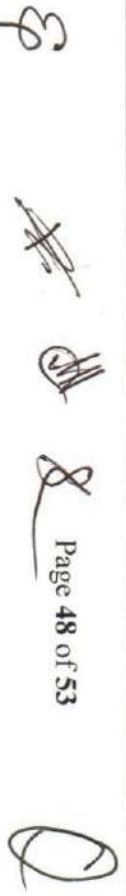
| Sl. No. | Tender Clause & Page No.                                       | Existing as in Tender Document | Clarification Asked   | Amendment/ Clarification/ Remarks |
|---------|--|--------------------------------|---|-----------------------------------|
| 191     | Volume 2, Section 7.1.3, & BPS                                 |                                | <p>As per technical Specification Simplex panel for control &amp; protection Panel is required, however as per BPS "All 33kV Control, Protection and Metering System shall be housed in the same 33kV GIS panels."</p> <p>We understand that BPS will prevail and the control and protection system will be housed in GIS panel. Please confirm.</p>  | As per Tender Document            |
| 192     | Volume 1, Section 2, D. "Tender Preparation", ITT 24.2 (r), 15 |                                | <p>"For 33KV &amp; 11KV Gas Insulated Switchgear (GIS):<br/>16. Manufacturer's authorization in prescribed Form (PG5A-5)<br/>a) Protective Relays from ABB (Switzerland/ Sweden/Finland) or Siemens (Germany) or Schneider Electric (UK/France) or ALSTOM (UK/France) or NR (China), SEL, USA.<br/>b) Energy Meters from European Country/ North American Country/Japan/Australia."</p> <p>As the Control, Protection &amp; Metering system is part of GIS panel, hence we understand that no separate MAF is required for Protection Relays &amp; Energy meters. Please confirm.</p> | As per Tender Document            |



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| Sl. No. | Tender Clause & Page No.   | Existing as in Tender Document  | Clarification Asked  | Amendment/ Clarification/ Remarks  |
|---------|--|---|--|--|
| 193     | Section-6: Scope of Work Page- 304                               | Note:<br>3. Road cutting & repairing Compensation will be paid by the Contractor at per rates of the owner of road.   |  | As per Tender Document. Road cutting & repairing Compensation will be paid by the Contractor at per rates of the owner of road.<br><br>Where cables are laid in surfaced roads the backfill shall be wholly sand upto the RCC slab as per drawing. After the slab backfilling shall be made by pickel/brick chips (37mm) with sand and need to be compacted and shall match the level of existing road surface, while permanent reinstatement will be done by city corporation/owner of the road cost of which shall be borne by the contractor at per rates of the owner of road. |
| 194     | Section-7: Technical Specification Clause no. 10.1 (iv) Page-600 | Where cables are laid in surfaced roads the backfill shall be wholly sand upto the RCC slab as per drawing. After the slab backfilling shall be made by pickel/brick chips (37mm) with sand and need to be compacted and shall match the level of existing road surface, while permanent reinstatement will be done by city corporation/owner of the road cost of which shall be borne by the contractor at per rates of the owner of road. | We understand that road restoration is not in bidder's scope and the same will be done by respective authority/owner of the road.  | Where cables are laid in surfaced roads the backfill shall be wholly sand upto the RCC slab as per drawing. After the slab backfilling shall be made by pickel/brick chips (37mm) with sand and need to be compacted and shall match the level of existing road surface, while permanent reinstatement will be done by city corporation/owner of the road cost of which shall be borne by the contractor at per rates of the owner of road.  |
| 195     | Volume 1, Section 2, D. "Tender Preparation", ITT 26 Page 48, 49 |   | XLPE cable is having high impact of commodity and commodities are highly volatile hence we request you to allow price adjustment on XLPE cable.  | As per Tender Document   |
| 196     | Volume 2, Section 7.6,   | Volume 2, Section 7.6, "INSTALLATION, CIVIL AND ARCHITECTURE GENERAL PROVISION FOR 33KV UNDERGROUND CABLE DOUBLE CIRCUIT SOURCE LINE" Clause 10.  | We understand that road restoration is not in bidder's scope and the same will be done by respective authority/owner of the road.  | As per Tender Document   |
| 197     | Volume 2, Section 7.6,   | Volume 2, Section 7.6, "INSTALLATION, CIVIL AND ARCHITECTURE GENERAL PROVISION FOR 33KV UNDERGROUND CABLE DOUBLE CIRCUIT SOURCE LINE" Clause 9. & Cable Trench Drawings   | "Protective covers shall be made of R.C.C slab each 100 mm thick, 300 mm wide and length as required"<br>In line with specification and cable trench Section Drawing, we understand that side cover/slab /fills are not required for cable trench. Please confirm. | As per Tender Document   |



Addendum-1

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| Sl. No. | Tender Clause & Page No.                             | Existing as in Tender Document  | Clarification Asked  | Amendment/ Clarification/ Remarks |
|---------|--|---|--|-----------------------------------|
| 198     | Volume 1, Section 2, D. "Tender Preparation", ITT 26 | Volume 1, Section 2, D. "Tender Preparation", ITT 26  | XLPE cable is having high impact of commodity and commodities are highly volatile hence we request you to allow price adjustment on XLPE cable.  | As per Tender Document            |
| 199     | Volume 2, Section 7.6,                               | Volume 2, Section 7.6, "INSTALLATION, CIVIL AND ARCHITECTURE GENERAL PROVISION FOR 33KV UNDERGROUND CABLE DOUBLE CIRCUIT SOURCE LINE" Clause 10.                        | We understand that road restoration is not in bidder's scope and the same will be done by respective authority/owner of the road.  | As per Tender Document            |
| 200     | Volume 2, Section 7.6                                | Volume 2, Section 7.6, "INSTALLATION, CIVIL AND ARCHITECTURE GENERAL PROVISION FOR 33KV UNDERGROUND CABLE DOUBLE CIRCUIT SOURCE LINE" Clause 9. & Cable Trench Drawings | "Protective covers shall be made of R.C.C slab each 100 mm thick, 300 mm wide and length as required"<br><br>In line with specification and cable trench Section Drawing, we understand that side cover/slab /tiles are not required for cable trench. Please confirm. | As per Tender Document            |









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| Sl. No. | Tender Clause & Page No.                                      | Existing as in Tender Document   | Clarification Asked  | Amendment/ Clarification/ Remarks |
|---------|---|--|--|-----------------------------------|
| 201     | Section 6<br>Volume-1<br>Clause No.<br>6.1.2.7<br>Page No-373 | Supply of 33 kV indoor Gas Insulated Switchgear (GIS) unit comprising 2000 Ampere Bus including surge arresters and other related accessories. All 33 kV Control, Protection and Metering System shall be housed in the same 33 kV GIS panels. All the Circuit Breaker's control with Local/Remote switch and metering data shall be brought under Substation Automation System (SAS) and provision for interfacing with the existing/future BPPDB's SCADA system in Chattogram Zone . | Amended as-<br>33 kV indoor Gas Insulated Switchgear (GIS) unit comprising 3150 Ampere Double Bus,, GIS cubicles for 1 Bus Sectionalizer (3150A), 2 sets of 33 kV Bus PTs and 33 kV Isolators, Lightning Arrestors and other related accessories as needed along with 33 kV Control, Protection and Metering system housed in the same 33 kV GIS panels and 17 Circuit Breakers (1250A) . All the Circuit Breaker's control with Local/ Remote switch metering and status data shall be brought under Substation Automation System and interfaced with the existing BPPDB's SCADA system in Chattogram but not limited to. |                                   |







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| Sl. No. | Tender Clause & Page No.                                  | Existing as in Tender Document   | Clarification Asked | Amendment/ Clarification/ Remarks   |
|---------|---|--|---------------------|---|
| 202     | Section 6 Volume-1 Clause No. 6.1.2.7 Page No-374         | Battery Charger, constant voltage type (adjustable) with current limiting for boost and float charge, input- 415 volts, output DC 110 - 150 volts including all accessories. 2 (Two) Set   |                     | Amended as-<br>Battery Charger, constant voltage type (adjustable) with current limiting for boost and float charge, input- 415 volts, output DC 110 - 150 volts including all accessories. 1(One) Set  |
| 203     | Section 6 Volume-1 Clause No. 6.1.2.7 (21) Page No-376    | Earth filling, Land escaping, Leveling, Dressing / Preparation of Gravel Pit, Laying of Gravel etc.  |                     | Amended as-<br>a) Earth filling, Land escaping, Leveling, Dressing / Preparation of Gravel Pit, Laying of Gravel etc.   |
| 204     | Section 6 Volume-1 Clause No. 6.1.2.7 (21(b)) Page No-376 | <b>b) Three Storied GIS Sub-Station Building :</b><br>Including Control Room, Office Room, Store, Evacuation, O/H Tank, Water Supply with new Deep Tube well, Sanitary system, Internal Electrification, Emergency Lighting, False Ceiling, CCTV system with night vision camera and other related items etc. (If required Dismantling, Demolishing ). |                     | Amended as-<br><b>b) Three Storied GIS Sub-Station Building :</b><br>Including Control Room, Office Room, Store, Evacuation, O/H Tank, Water Supply with new Deep Tube well, Sanitary system, Internal Electrification, Emergency Lighting, False Ceiling, CCTV system with night vision camera and other related items etc., Dismantling, Demolishing, Evacuation etc. |

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| Sl. No. | Tender Clause & Page No.   | Existing as in Tender Document   | Amendment/ Clarification/ Remarks   |
|---------|--|--|---|
| 205     | Section 6<br>Volume-1<br>Clause No.<br>6.1.2.7 (21(c))<br>Page No-376                        | c)Foundation of Transformer, Equipment, Power & Control Cable Trench, Cable Tray/Rack & others.  | Amended as-<br>c)Sub-Station switchyard Upgradation for Transformer, Foundation of Equipment, Power & Control Cable Trench, Cable Tray/Rack, Relocate of power transformer & others if necessary.   |
| 206     | Section 5<br>Volume-1<br>Price Schedule<br>Schedule -4<br>Baraulia<br>Substation<br>page 269 | <b>b)Three storied GIS Sub-Station Building:</b><br>Including Control Room, Office Room, Store, Evacuation, O/H Tank, Water Supply with new Deep Tube well, Sanitary system, Internal Electrification, Emergency Lighting, False Ceiling, CCTV system with night vision camera and other related items etc. (If required Dismantling, Demolishing ). | Amended as-<br><b>b)Three storied GIS Sub-Station Building:</b><br>Including Control Room, Office Room, Store, Evacuation, O/H Tank, Water Supply with new Deep Tube well, Sanitary system, Internal Electrification, Emergency Lighting, False Ceiling, CCTV system with night vision camera and other related items etc., Dismantling, Demolishing, Evacuation etc. |







Addendum-1

International Tender Ref. No.: 27.11.0000.101.14.035.22-3233, Dated- 20/07/2022 for "Design, Supply, Construction, Erection, Installation, Testing and Commissioning of 05 Nos. 33/11kV New GIS Substation, 02 Nos. 33/11kV Substation (GIS Up-gradation), 33kV Bay-Extension at 02 Nos. Substation and 33kV Underground Cable Double Circuit Source Line with Civil and other related works including automation of the Sub-station (SAS) on Turnkey Basis under Power Distribution System Development, Chattogram Zone (2nd Phase), BPDB, Chattogram." (LOT-3)

| Sl. No. | Tender Clause & Page No.  | Existing as in Tender Document  | Clarification Asked | Amendment/ Clarification/ Remarks  |
|---------|---|---|---------------------|--|
| 207     | Section 5<br>Volume-1<br>Price Schedule -4<br>Baroaulia<br>Substation<br>page 269                           | c) Foundation of Transformer, Equipment, Power & Control Cable Trench, Cable Tray/Rack & others.  |                     | Amended as-<br>c) Sub-Station switchyard Upgradation for Transformer, Foundation of Equipment, Power & Control Cable Trench, Cable Tray/Rack, Relocate of power transformer & others if necessary. |
| 208     | Section 5<br>Volume-1<br>Price Schedule<br>Schedule 1<br>Item no. 04<br>Baroaulia<br>Substation<br>page 192 | Supply of 33/11 kV, 20/26 MVA ONAN/ONAF Power Transformer (Indoor type) with cable end termination facilities, On Load Tap Changer, all internal protection elements in built with complete accessories including Remote Tap changer Control Panel. |                     | Amended as-<br>will be Deleted   |

EP







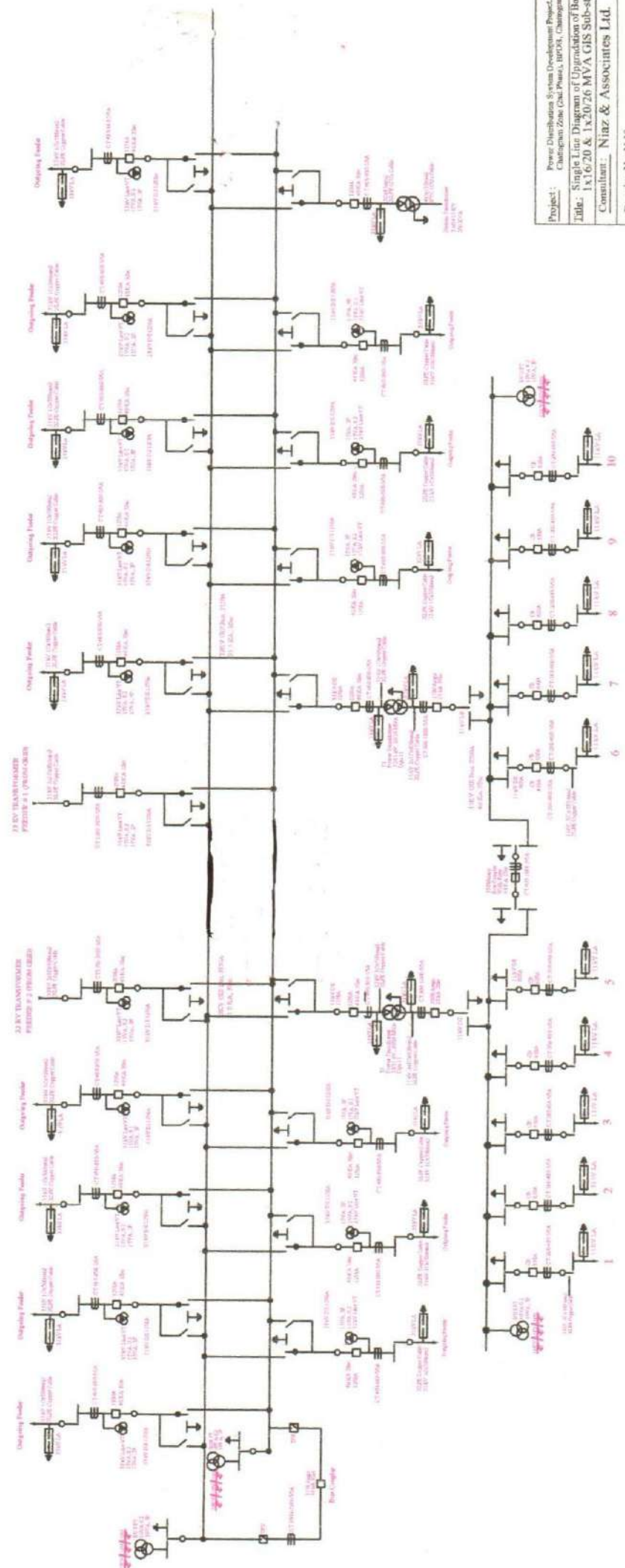
Engr. Md. Shamsuddin  
ID No-1-1200  
Project Director  
Power Distribution System Development  
Chattogram Zone (2<sup>nd</sup> Phase)  
BPDB, Chattogram.

মোহাম্মদ সেলিম রেজা  
সচিব  
বাংলাদেশ বিদ্যুৎ উন্নয়ন বোর্ড



Attachment - 1

SINGLE LINE DIAGRAM OF UPGRADATION OF BARAULIA 33/11KV GIS SUBSTATION (3150 Amperes Double Bus)



|   |
|---|
| Project: Power Distribution System Development Project<br>Changin Zila (Ch. Panch, Baraulia, Unmanned). |
| Title: Single Line Diagram of Upgradation of Baraulia<br>1x16/20 & 1x20/26 MVA GIS Sub-station          |
| Consultant: Niaz & Associates Ltd.  |
| Drawing No: N-19  |
| REVISION: 03  |
| Date: 23.08.2022  |

**INDICATIVE DRAWING**

  
 Satyam  
 25.08.22  
 23/08/2022

Engr. Satyendra Nath Chakraborty  
 Managing Director & T.L.  
 Niaz & Associates Ltd.