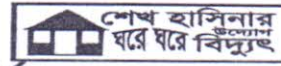




বাংলাদেশ বিদ্যুৎ উন্নয়ন বোর্ড

Bangladesh Power Development Board



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

Memo No: 27.11.0000.101.14.035.22. H660


Date: /10/2022

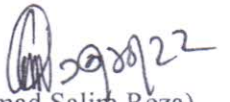
**Sub: Notice of Clarifications/Amendments No. 03 for Design, Supply, Construction, Erection, Installation, Testing and Commissioning of 05 Nos. 33/11kV New GIS Substation, 02 Nos. 33/11kV Substation (GIS Up-gradation), 33kV Bay-Extension at 02 Nos. Substation and 33kV Underground Cable Double Circuit 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.: i) Tender Invitation Memo No. 27.11.0000.101.14.035.22-3233, Date: 20/07/2022.  
ii) Clarification Notice 01 Memo No. 27.11.0000.101.14.035.22-3968, Date: 31/08/2022.  
iii) Clarification Notice 02 Memo No. 27.11.0000.101.14.035.22-4309, Date: 20/09/2022

The undersigned is directed to enclose herewith the Clarifications/Amendments No. 03 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/Amendments No. 03 is issued and uploaded in BPDB website. Moreover, who purchased Tender Document, are requested to collect the Clarifications/Amendments No. 03 from the Office of Power Distribution System Development, Chattogram Zone (2<sup>nd</sup> Phase), BPDB, Chattogram.

Encl: Clarifications/Amendments No. 03. (Total No. of pages: 04)

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

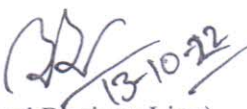
  
(Mohammad Salim Reza)  
Secretary  
Bangladesh Power Development Board  
(BPDB)  
Motijheel C/A, Dhaka-1000, Bangladesh  
Telephone: 8802-9554209

Memo No: 27.11.0000.101.14.035.22.

Date: /10/2022

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/Contract & C.A, BPDB, Dhaka.
6. Director, Public Relation, BPDB Dhaka.
7. Senior System Analyst, BPDB Dhaka. He is requested to upload this Clarifications/Amendments No. 03 in BPDB website.
8. M/S \_\_\_\_\_
9. Office copy

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

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	Amendment/ Clarification/Remarks
1.	Section-8 GTP Line Item No – 8.03(b) Page-852	Guaranteed Technical Particulars of 33 kV VCB 1600 Amps for <b>Shikolbaha &amp; Chokoria bay Extension.</b>	<u>Amended as</u> Guaranteed Technical Particulars of 33 kV VCB 1600 Amps for <b>Sitakundo bay Extension.</b>
2.	Section-8 GTP Line Item No – 8.9.(b) Page-881	Guaranteed Technical Particulars of 33 kV outdoor type single phase current Transformer for <b>shikolbaha &amp; Chokoria Bay Extension.</b>	<u>Amended as</u> Guaranteed Technical Particulars of 33 kV outdoor type single phase current Transformer for <b>Sitakundo Bay Extension.</b>
3.	Section-6 BOQ 6.1.2.9 Line Item No – 6 Page-379	33 kV 3x single phase current transformer (3 nos. per circuit) ratio 800-1600/5/5A class 5P20 for protection and 0.2 for measuring along with supporting steel structure and suitable bi-metallic connectors and all accessories as per field requirement. <b>01 (One) set</b>	<u>Amended as</u> 33 kV 3x single phase current transformer (3 nos. per circuit) ratio 600-1200/5/5A class 5P20 for protection and 0.2 for measuring along with supporting steel structure and suitable bi-metallic connectors and all accessories as per field requirement <b>02 (Two) set</b>
4.	Section-5 SL No: 09 Price Schedule -1 Line Item No. -5 Page-199	33 kV 3 x single phase Current Transformer (3 nos. per circuit) outdoor type ratio <b>800-1600/5/5A</b> class <b>5P10</b> for protection and 0.2 for measuring along with supporting steel structure and suitable bi-metallic connectors and accessories as per field requirement.	<u>Amended as</u> 33 kV 3 x single phase Current Transformer (3 nos. per circuit) outdoor type ratio <b>600-1200/5/5A</b> class <b>5P20</b> for protection and 0.2 for measuring along with supporting steel structure and suitable bi-metallic connectors and accessories as per field requirement.
5.	Section-5 Price Schedule -2 SL No: 09 Line Item No. -5 Page-252	33 kV 3 x single phase Current Transformer (3 nos. per circuit) outdoor type ratio <b>800-1600/5/5A</b> class <b>5P20</b> for protection and 0.2 for measuring along with supporting steel structure and suitable bi-metallic connectors and accessories as per field requirement. <b>01 (One) set</b>	<u>Amended as</u> 33 kV 3 x single phase Current Transformer (3 nos. per circuit) outdoor type ratio <b>600-1200/5/5A</b> class <b>5P20</b> for protection and 0.2 for measuring along with supporting steel structure and suitable bi-metallic connectors and accessories as per field requirement. <b>02 (Two) set</b>
6.	Section-8 GTP Line Item No. – 8.03(a) Page-848	Guaranteed Technical Particulars of 33 kV VCB (2500 Amps) for Dohazari Bay Extension.	<u>Amended as</u> To be deleted
7.	Section-8 GTP Line Item No – 8.9(a) Page-879	Guaranteed Technical Particulars of 33 kV outdoor type single phase current Transformer for Dohazari Bay Extension.	<u>Amended as</u> To be deleted





**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), BPPDB, Chattogram." (LOT-3)**

<p><b>8.</b></p> <p>Section-5 Schedule No.-1 &amp; 2 SL No: 1 to 9 And Section-6 BOQ SL No: 6.1.2.1 to 6.1.2.9</p>	<p>Supply of Battery, 110 volt DC nominal, 150 Ah minimum with mounting rack including accessories.</p> <p>Supply of Battery Charger, constant voltage type (adjustable) with current limiting for boost and float charge, <b>input- 400 volts, output DC 110 - 150 volts</b> including all accessories.</p> <p>0.415 kV, <b>4Cx 185 sq.mm</b> PVC (Cu) Cable for Station Transformer as required</p> <p>Substation Automation System (SAS) including all accessories.</p>	<p>Battery, 110volt DC nominal, <b>≥160Ah</b> minimum with mounting rack including accessories.</p> <p><b>Amended as</b></p> <p>Battery Charger, constant voltage type (adjustable) with current limiting for boost and float charge, <b>input- 415 volts, output DC 110 - 150 volts</b> including all accessories. <b>01 (One) set</b></p> <p><b>Amended as</b></p> <p>0.415 kV, <b>4Cx 120 sq.mm</b> PVC (Cu) Cable for Station Transformer as required</p> <p><b>Amended as</b></p> <p>Supply of Substation Automation System (SAS) with Server, Monitor, UPS with 30 Minute battery back-up and Printer etc.</p>
<p><b>9.</b></p> <p>Section-5 SL No: 01 Price Schedule-2 Line Item No-4 Page-215</p>	<p>Supply of <b>Station Transformer 33/11 KV, 20/26MV</b> with fuse assembly including all accessories</p>	<p><b>Amended as</b></p> <p>Supply of <b>33/11 KV, 20/26MVA ONAN/ONAF Power Transformer</b> with cable end termination facilities, On Load Tap Changer, all internal protection elements in built with complete accessories including Remote Tap changer Control Panel.</p>
<p><b>10.</b></p> <p>Section-5 SL No: 01 Price Schedule-2 Line Item No-5 Page-215</p>	<p>Supply of Station Transformer 33/0.4 KV, 250 kVA with fuse assembly including all accessories <b>02 (Two) set</b></p>	<p><b>Amended as</b></p> <p>Station Transformer 33/0.4 KV, 250 kVA including all accessories. <b>01 (One) set</b></p>
<p><b>11.</b></p> <p>Section-5 SL No: 02 Price Schedule-2 Line Item No.-4 Page-220</p>	<p>Supply of <b>Station Transformer 33/11 KV, 20/26MV</b> with fuse assembly including all accessories</p>	<p>Supply of <b>33/11 KV, 20/26MVA ONAN/ONAF Power Transformer</b> with cable end termination facilities, On Load Tap Changer, all internal protection elements in built with complete accessories including Remote Tap changer Control Panel.</p>
<p><b>12.</b></p> <p>Section-5 SL No: 02 Price Schedule-2 Line Item No.-5 Page-220</p>	<p>Supply of Station Transformer 33/0.4 KV, 250 kVA with <b>fuse assembly</b> including all accessories <b>02 (Two) set</b></p>	<p><b>Amended as</b></p> <p>Station Transformer 33/0.4 KV, 250 kVA including all accessories. <b>01 (One) set</b></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), BPPDB, Chattogram." (LOT-3)

<p>13.</p> <p>Section-6 BOQ 6.1.2.4 Line Item No -1 Page-365</p>	<p>Supply of 33 kV indoor Gas Insulated Switchgear (GIS) unit comprising 3150 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 BPPDBs SCADA system in Chattogram Zone .</p>	<p>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 BPPDBs SCADA</p> <p style="text-align: center;"><b>Amended as</b></p>
<p>14.</p> <p>Section-5 SL No: 06 Price Schedule-2 Line Item No -4 Page-240</p>	<p>Supply of 33/11 kV, 20/26MVA ONAN/ONAF Power Transformer (Outdoor 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. 02 (Two) set</p>	<p>Supply of 33/11 kV, 20/26MVA ONAN/ONAF Power Transformer (Outdoor 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. 03 (Three) set</p> <p style="text-align: center;"><b>Amended as</b></p>
<p>15.</p> <p>Section-6 BOQ 6.1.2.6 Line Item No -10 Page-372</p>	<p>Supply of 11kV Single core XLPE copper cable for Transformer 2x1Cx630 Sq. mm per phase. As per field requirement but not less than 450 meter</p>	<p>Supply of 11kV Single core XLPE copper cable for Transformer 2x1Cx630 Sq. mm per phase. As per field requirement but not less than 630 meter</p> <p style="text-align: center;"><b>Amended as</b></p>
<p>16.</p> <p>Section-5 SL No: 06 Price Schedule-2 Line Item No -10 Page-241</p>	<p>Supply of 11 kV Single core XLPE copper cable 2x1Cx630 Sq. mm per phase as required. As per field requirement but not less than 450 meter.</p>	<p>Supply of 11kV Single core XLPE copper cable for Transformer 2x1Cx630 Sq. mm per phase. As per field requirement but not less than 630 meter</p> <p style="text-align: center;"><b>Amended as</b></p>
<p>17.</p> <p>Section-6 BOQ 6.1.2.7 Line Item No -1 Page-374</p>	<p>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 BPPDBs SCADA system in Chattogram Zone .</p>	<p>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 BPPDBs SCADA system in Chattogram but not limited to.</p> <p style="text-align: center;"><b>Amended as</b></p>







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<p><b>18.</b> Section-5 SL No: 07 Price Schedule-2 Line Item No.-3 Page-245</p>	<p>GIS cubicles Bus Coupler Breaker with Riser (Bus Coupler with Riser) (315 A) -1 No.</p>	<p><u>Amended as</u> GIS cubicles Bus Coupler Breaker with Riser (Bus Coupler with Riser) (2500A) -1 No.</p>
<p><b>19.</b> Section-6 BOQ 6.1.2.7 Line Item No.-3 Page-374</p>	<p>GIS cubicles Bus Coupler Breaker with Riser (Bus Coupler with Riser) (3150A)- 1 No.</p>	<p><u>Amended as</u> GIS cubicles Bus Coupler Breaker with Riser (Bus Coupler with Riser) (2500A)- 1 No.</p>
<p><b>20.</b> Section-5 SL No: 07 Price Schedule-1 Line Item No.-4 Page-192</p>	<p>Supply of 33/11 kV, 20/26MVA ONAN/ONAF Power Transformer with cable end termination facilities, On Load Tap Changer, all internal protection elements in built with complete accessories including Remote Tap changer Control Panel.</p>	<p><u>Amended as</u> To be deleted</p>
<p><b>21.</b> Section-5 SL No: 09 Price Schedule-2 Line Item No. -12 Page-253</p>	<p>33 kV control, metering and protection panel for 33 kV line feeder with 2 O/C, 1 E/F (IDMT and Ins). 2 Directional O/C + 1 Directional E/F relays including audio visual annunciator and all accessories.</p>	<p><u>Amended as</u> To be deleted</p>
<p><b>22.</b> Section-5 SL No: 09 Price Schedule-2 Line Item No.-9 Page-253</p>	<p>33 kV control, metering and protection panel for 33 kV line feeder with 3 O/C, 1 E/F (IDMT and Ins). 3 Directional O/C + 1 Directional E/F relays including audio visual annunciator and all accessories.</p>	<p><u>Amended as</u> 33 kV control, metering and protection panel for 33 kV line feeder with 3 O/C, 1 E/F (IDMT and Ins). 3 Directional O/C + 1 Directional E/F relays including audio visual annunciator and all accessories. -01(one) Lot</p>





