



বাংলাদেশ বিদ্যুৎ উন্নয়ন বোর্ড



Central Secretariat
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Bangladesh Power Development Board

Memo No: 27.11.0000.101.14.035.22.- 3964

Date: 3/08/2022

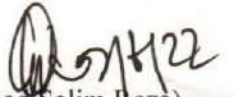
Sub: Clarifications No. 01 Notice for Design, Supply, Construction, Erection, Installation, Testing and Commissioning of 07 Nos. 33/11kV New GIS Substation, 04 Nos. 33/11kV Substation (GIS Up-gradation), 33kV Bay-Extension at 05 Nos. Substation with Civil and other related works including automation of the Sub-station (SAS) on Turnkey Basis under Power Distribution System Development, Chattogram Zone (2nd Phase), BPDB, Chattogram (GD-1, Lot-1).

Ref.: Tender Invitation Memo No. 27.11.0000.101.14.035.22-3235, 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 07 Nos. 33/11kV New GIS Substation, 04 Nos. 33/11kV Substation (GIS Up-gradation), 33kV Bay-Extension at 05 Nos. Substation 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 (2nd Phase), BPDB, Chattogram.

Encl: Clarifications No. 01.


Engr. Md. Shamsuddin
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(Mohammad Salim Reza)
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Telephone: 8802-9554209

Memo No: 27.11.0000.101.14.035.22.- 3964

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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.

Design, Supply, Construction, Erection, Installation, Testing and Commissioning of 07 nos. 33/11KV New GIS Substation , 04 nos. 33/11KV Substation (GIS upgradation) , 33KV Bay Extension at 05 Nos. Sub-station 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 1]

Sl. No.	Reference Clause No.	As existing in Tender Document	Clarification Asked	Clarification/Amendments
1	Section-2: TDS ITT 24.2(r)	<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 Completion Certificate shall contain Purchase'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 Power Transformer, 33KV & 11KV GIS, 33KV & 11KV LA and 33KV & 11KV XLPE Power Cable of same voltage class within the last 05 (five) years.</p> <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 & 11KV Gas Insulated Switchgear (GIS), Substation Automation System (SAS), Power Transformer, Station Transformer, Battery & Battery Charger, 33KV & 11KV XLPE Power Cable and Fiber Optic Cable of same voltage class within last 10(ten) years</p>	<p>We kindly request you to add the following eligibility criteria for Power Transformer. The following provision will be applicable for purchasing of Power Transformer from new local manufacturers:</p> <p>i. The New Manufacturer shall submit the following document with the Tender document: a) Location of the Factory & layout plan. b) List of Capital Machineries (Related to manufacturer of the Tendered goods). c) Factory Project Profile d) Production Line description. e) List of Key Personnel (with Bio-data). f) Source of raw materials. g) Testing facilities & calibration certificates of testing equipment.</p> <p>ii. New Local Manufacturer's factory/manufacturing plant shall be visited & 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. All costs regarding visiting & inspection shall be borne by the New Manufacturer. Factory shall be inspected by Tender Evaluation Committee (TEC) and/or TEC nominated members as per following guide lines: 1. Location of the Factory & layout plan. 2. List of Capital Machineries (Related to manufacturer of the Tendered goods) 3. Factory Project Profile 4. Production Capacity (Yearly) 5. Production Line description. 6. List of Key Personnel (with Bio-data) 7. Testing Facilities 8. Source of raw materials.</p>	As per Tender Document

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Sl. No.	Reference Clause No.	As existing in Tender Document	Clarification Asked
			<p>9. Testing of offered type Power Transformer shall be witnessed at manufacturer's testing laboratory. All other clauses of the specification and Guaranteed Technical Particulars (GTP) except Supply record & Performance Certificate shall be applicable for tender Submission and Evaluation.</p>
2	Section-2: TDS ITT 24.2 (r) (25)	<p>25. Type Test Certificates, Reports & Special Tests for <u>offered type similar or higher MVA rating</u> power transformer for same voltage class from any short-circuit testing liaison (STL) Member [http://www.stl-liaison.org/web/03_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:</p> <p>a) Temperature Rise Test b) Lightning Impulse Test c) Short circuit withstands test report of HV-LV</p>	<p>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:</p> <p>a) Temperature Rise Test b) Lightning Impulse Test c) Short circuit withstands test report of HV-LV</p> <p>As per Tender Document</p>
3	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.
4	Plot plan & Line orientation	Plot plan & Line orientation	Request to provide the following details for new substations, upgradation substations and extension substation as applicable: 1. Plot Plan Layout (with Plot dimension and Co ordinates) 2. Line orientation of 33kV incoming/outgoing feeders &

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Sl. No.	Reference Clause No.	As existing in Tender Document	Clarification Asked	Clarification/Amendments
			<p>11KV outgoing feeders 3. Location & Distance of terminal pole details for each of the 33KV and 11KV feeders to/from the Switchgear-cum-Control building.</p>	
5	Tender drawings	Missing Tender Drawings in soft copy	<p>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: 1. Single Line Diagram 2. Switchgear-cum-Control Room Building Layout 3. Equipment Layout and Section Drawing 4. Cable Trench layout with typical trench cross-sections</p>	As per Tender Document
6	General	Accommodation of new equipments	<p>We presume that sufficient space is available for accommodating the new equipments and panels in the existing station. Please confirm.</p>	As per Tender Document
7	Existing LVAC & DC system	Equipment Ratings of Existing station	<p>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.</p>	As per Tender Document
8	Price Schedule, Line item No. 1, 33KV GIS and Scope of Works, Cl. B.15	PT Clarification	<p>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.</p>	Bus PT







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Sl. No.	Reference Clause No.	As existing in Tender Document	Clarification Asked	Clarification/Amendments
	Price Schedule, Line item No. 2, 11kV GIS and Scope of Works, Cl. B.15		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.	
9	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	As per Tender Document available in GTP.
10	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 2Rx1Cx630mSq.mm/phase Cu. XLPE cable.	Please specify the actual requirement.	Please follow the price schedule & BOQ. 11kV side of power transformer shall be 2x1Cx630 Sq.mm Cu. XLPE cable per phase.
11	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.	Please specify the actual requirement.	2500 A

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Sl. No.	Reference Clause No.	As existing in Tender Document	Clarification Asked	Clarification/Amendments
12	Technical Specification for 33/11kV Power Transformer Section- 7.4, Cl. 7.4.1.10 and 7.4.2.10	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.	Please specify the actual requirement.	Please follow the price schedule & BOQ. No need to consider ACSR Grosbeak (636 MCM) conductor for HT Bushing connection.
13	Technical Specification for 33/11kV Power Transformer Section- 7.4, Cl. 7.4.1.11 and 7.4.2.11	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 2Rx1Cx630 Sq.mm Cu. XLPE cable per phase.	Please specify the actual requirement.	Please follow the price schedule & BOQ. 11KV side of power transformer shall be suitable for 2x1Cx630 Sq.mm Cu. XLPE cable per phase.
14	Technical Specification for 33/11kV, 20/26MVA Power Transformer Section- 7.4, Cl. 7.4.1.5, S.No.	As per the referred clause in the technical specification, following feature shall be provided for OLTC of 20/26MVA power transformer.	It is observed that the mentioned feature is not specified for OLTC of 16/20MVA power transformer. Please clarify the requirement.	Following feature shall be provided for OLTC of 16/20MVA power transformer.







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Sl. No.	Reference Clause No.	As existing in Tender Document	Clarification Asked	Clarification/Amendments
	30	"OLTC shall be operational from Local control panel, RTCC panel as well as from SAS. Tap position shall also be visible in Local control panel, RTCC panel as well as HMI of SAS. AVR relay shall have IEC-61850 communication protocol for communicating with SAS."		"OLTC shall be operational from Local control panel, RTCC panel as well as from SAS. Tap position shall also be visible in Local control panel, RTCC panel as well as HMI of SAS. AVR relay shall have IEC-61850 communication protocol for communicating with SAS."
15	Technical Specification for 33KV GIS, Section 7.1, Clause 7.1.3.11 2A, S.No.7 and 33/11KV, 20/26MVA Power Transformer, Section-7.4, Cl. 7.4.1.5, S.No. 35.c	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. However, as per the referred clause in the technical 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	From the above points, we propose Tap changing features as part of the PCM of 33KV transformer feeder. Separate RTCC Panel is not envisaged. Please confirm.	Tap changing features can be provided either in the PCM of 33KV GIS or it can be provided in a separate RTCC panel.

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Sl. No.	Reference Clause No.	As existing in Tender Document	Clarification Asked	Clarification/Amendments
16	Technical Specification for 33/11KV, 20/26MVA PTR, Section-7.4, Cl. 7.4.1.5, S.No.35.c and 33/11KV, 16/20MVA PTR, Section-7.4, Cl. 7.4.2.5, S.No. 35.c	Panel" shall be provided. As per the referred clause in the technical specification, for 33/11KV, 20/26MVA power transformer, it is specified as "RTCC facility in Transformer HT incoming PCM Panel" and for 33/11KV, 16/20MVA power transformer, it is specified as "RTCC facility as per technical specification & GTP".	We propose RTCC features in the PCM of transformer bay itself similar to 20/26MVA transformer. Separate RTCC panel is not envisaged. Please confirm.	Tap changing features can be provided either in the PCM of 33KV GIS or it can be provided in a separate RTCC panel.
17	Technical specification and GTP for 33/0.415KV Station Transformer, Section-7.4. Cl. 7.4.3 and Section-7.8, Cl. 8.18 and SOW Clause B.2	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. However as per the referred clause in the technical specification for 250KVA station transformer, it seems to be dry type.	Please confirm the actual requirement. If the requirement is for oil type transformer, please provide the specification for the same along with GTP.	The station transformer shall be oil type and cooling method shall be ONAN.
18	Technical specification and GTP for 33/0.415KV Station	As per the referred clause in the technical specification of 250KVA station transformer, highest system	Please specify the actual requirement.	Highest system voltage of LT winding shall be 457V.

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Design, Supply, Construction, Erection, Installation, Testing and Commissioning of 07 nos. 33/11KV New GIS Substation , 04 nos. 33/11KV Substation (GIS upgradation) , 33KV Bay Extension at 05 Nos. Sub-station 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 1]				
Sl. No.	Reference Clause No.	As existing in Tender Document	Clarification Asked	Clarification/Amendments
19	Transformer, Section-7.4, Cl. 7.4.3.2 and Section-7.8, Cl. 8.18, S.No. 9.b Technical specification and GTP for 33/0.415kV Station Transformer, Section-7.4, Cl. 7.4.3.2 and Section-7.8, Cl. 8.18, S.No. 11.b	voltage of LT winding is specified as 453V. However same is specified as 457V in GTP of 250kVA station transformer. 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.	Please specify the actual requirement.	Power frequency withstand voltage of LT winding shall be 2.5kV
20	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 No Load Loss - 1200W Load losses at rated full load at 75 deg C - 4000W. But as per the GTP for 250kVA station transformer, losses are as follows No Load Loss - 812W Load losses at rated full load at 75 deg C - 3637W	Please specify the actual requirement.	As per the GTP the losses shall be as follows: No Load Loss - 812W Load losses at rated full load at 75 deg C - 3637W
21	Technical specification	As per the referred clause in the	Please specify the actual requirement.	Please follow the price

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Sl. No.	Reference Clause No.	As existing in Tender Document	Clarification Asked	Clarification/Amendments
22	GTP for 33/0.415KV Station Transformer, Section-7.8, 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.	Yes it will be 250 KVA
23	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. Hence please clarify the source of second incomer for LV AC distribution panel.	As per Tender Document
24	Technical specification for DC Distribution Panel Section-7.3, Cl. 7.3.21	DCDB Incoming / Outgoing Feeder details	The incoming and outgoing feeder details of DCDB board are not provided in the technical specification. Please furnish the details similar to ACDB technical specification.	As per Tender Document

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Sl. No.	Reference Clause No.	As existing in Tender Document	Clarification Asked	Clarification/Amendments
25	General	Missing GTP	Please furnish the General Technical Particulars for following equipments: 1. LV AC Distribution Panel 2. DC Distribution Panel 3. 33kV Isolator with Earth Blade 4. 33kV Isolator without Earth Blade 5. CCTV System	As per Tender Document
26	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. Also , kindly clarify whether the 33kV & 11kV cable to be supplied under this contract is Earthed grade or unearthed grade?	As per Tender Document
27	Technical specification for LT Cable Section-7.5, Cl. 7.5.1.8	As per the referred clause in the specification and GTP clauses 8.25 and 8.26, details of 1Cx120Sq.mm and 1Cx150Sq.mm LT cables are provided.	It is observed that line item for these cables are not available in the price schedule. Please clarify the requirement of these cables. If required include these sizes in the BPS.	For earthing purpose of different equipment under this scope.
28	Price Schedule, 33kV LA, Line item No. 2 for Upgradation of Dohazari SS	As per the referred line item, 10 sets of 33kV LA is required for GIS upgradation.	It is observed that as per scope of work, 12 sets of LA are required and split up is given below. 1. Incoming feeders - 2 Nos. 2. Outgoing feeders - 7 Nos. 3. Power Trafo. Feeders - 2 Nos. 4. Station Aux. Trafo feeder - 1 No.	As per Tender Document
29	Extension of GIS SS at Julda Grid SS and	Existing Station details	Request to clarify the ambiguity. Request to furnish the following for existing Station details a) Make & model of existing GIS	As per Tender Document

Design, Supply, Construction, Erection, Installation, Testing and Commissioning of 07 nos. 33/11KV New GIS Substation , 04 nos. 33/11KV Substation (GIS upgradation) , 33KV Bay Extension at 05 Nos. Sub-station 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 1]

Sl. No.	Reference Clause No.	As existing in Tender Document	Clarification Asked	Clarification/Amendments
30	Jhlongiha SS	For the referred substation, from the BoQ and Scope of Works we understand that new control building of 700Sq.mm need to be constructed.	<p>b) Whether the existing GIS is extensible?</p> <p>c) Please confirm whether adequate space is available for GIS bay extension</p>	As per Tender Document
31	Price Schedule, 33KV LA, Line item No. 3 for Bay extension at Jhlongiha SS	As per the referred line item, 18 sets of 33KV LA is required for GIS upgradation.	<p>As per Scope of work, 21 sets of LA are required and split up is given below.</p> <ol style="list-style-type: none"> 1. Incoming feeders - 3 Nos. 2. Outgoing feeders - 12 Nos. 3. Power Trafo. Feeders - 2 Nos. 4. Station Aux. Trafo feeder - 2 Nos. 3. Capacitor Bank feeders - 2 Nos. <p>Please clarify the ambiguity.</p>	As per Tender Document
32	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 661, minimum of 2x150 sq-mm conductor is	<p>Please specify the actual requirement.</p>	This cable shall be pvc insulated copper cable of 2X1CX150 mm ² .

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Sl. No.	Reference Clause No.	As existing in Tender Document	Clarification Asked	Clarification/Amendments
33	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 40kA for 3 secs for the rating of 2500A isolator. However as per the price schedule for 33KV Bay extension at Dohazari SS, short circuit current is specified as 31.5kA for 3 secs for the rating of 2500A isolator.	Please specify the actual requirement.	31.5 kA for 3 secs for the rating of 2500A VCB.
34	Technical specification and GTP for 33kV Current Transformer, Section-7.3, Cl. 7.3.10, S.No. 16 and Section-8, Cl. 8..9a&b, S.No. 18	As per the referred clause in the technical specification and GTP of 33kV current transformer, accuracy class for protection is specified as 5P20. However as per the price schedule for 33KV Bay extension bays, accuracy class for protection is specified as 5P10.	Please specify the actual requirement.	Accuracy class for protection is specified as 5P20.
35	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. Please clarify.	Not applicable for 33kV & 11kV voltage level
36	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	As per Tender Document

Design, Supply, Construction, Erection, Installation, Testing and Commissioning of 07 nos. 33/11KV New GIS Substation , 04 nos. 33/11KV Substation (GIS upgradation) , 33KV Bay Extension at 05 Nos. Sub-station 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. [GD 1 Lot 1]

Sl. No.	Reference Clause No.	As existing in Tender Document	Clarification Asked	Clarification/Amendments
37	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
38	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
39	General	Approved Make List	Request to provide provide the approved make list of the equipments to be supplied.	As per Tender Document
40	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 BPPDB 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
41	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
42	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	As per Tender Document

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Design, Supply, Construction, Erection, Installation, Testing and Commissioning of 07 nos. 33/11KV New GIS Substation , 04 nos. 33/11KV Substation (GIS upgradation) , 33KV Bay Extension at 05 Nos. Sub-station 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 1]

Sl. No.	Reference Clause No.	As existing in Tender Document	Clarification Asked	Clarification/Amendments
			ethernet switch. Redundant ring shall be provided only at station level. Please confirm.	
Civil Queries				
43	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 site requirement
44	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
45	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
46	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
47	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
48	Vol 1 - Section	In the referred clause, it is mentioned	Request to provide the existing control room building	As per Tender







Design, Supply, Construction, Erection, Installation, Testing and Commissioning of 07 nos. 33/11KV New GIS Substation, 04 nos. 33/11KV Substation (GIS upgradation), 33KV Bay Extension at 05 Nos. Sub-station 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. [GD 1 Lot 1]

Sl. No.	Reference Clause No.	As existing in Tender Document	Clarification Asked	Clarification/Amendments
49	6.1.1.6.A.6 AND 'CI 6.1.1.8 A6	that Design & Construction of extension of Substation with existing control room as per price schedule including roof lime terracing, door, window, toilet etc.	drawing plan along with soil report for existing station locations	Document
50	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
51	CI.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
	CI.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	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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Design, Supply, Construction, Erection, Installation, Testing and Commissioning of 07 nos. 33/11KV New GIS Substation , 04 nos. 33/11KV Substation (GIS upgradation) , 33KV Bay Extension at 05 Nos. Sub-station 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 1]		Clarification/Amendments		
Sl. No.	Reference Clause No.	As existing in Tender Document	Clarification Asked	Clarification/Amendments
52	Cl.7.6.2.2. e (Pg.764)	As 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
53	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
54	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
55	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







Design, Supply, Construction, Erection, Installation, Testing and Commissioning of 07 nos. 33/11KV New GIS Substation, 04 nos. 33/11KV Substation (GIS upgradation), 33KV Bay Extension at 05 Nos. Sub-station 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 1]

Sl. No.	Reference Clause No.	As existing in Tender Document	Clarification Asked	Clarification/Amendments
56	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 are not required. Please clarify.	As per Tender Document
57	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 interstices 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
58	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
59	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 clause7.3.22 (Pg.654), it is indicated that foundation of all steel structures should be carried out	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/m ² . The depth of foundation at which 4880 kg/m ² is attained has not been furnished. Please furnish the details.	As per Tender Document

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Design, Supply, Construction, Erection, Installation, Testing and Commissioning of 07 nos. 33/11KV New GIS Substation , 04 nos. 33/11KV Substation (GIS upgradation) , 33KV Bay Extension at 05 Nos. Sub-station 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 1]				
Sl. No.	Reference Clause No.	As existing in Tender Document	Clarification Asked	Clarification/Amendments
60	Cl.7.6.2.2.c) (Pg.762)	As existing in Tender Document considering soil pressure <4880 kg/m2. It is mentioned "Boreholes shall be taken on a 25 meter grid with atleast 3 additional boreholes besides 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
61	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 site requirement
62	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 site requirement
63	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
64	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
65	Cl 6.1.1.1 (6)	Please note that as per scope it is	In this regard request you to provide the required type of	As per Tender

Design, Supply, Construction, Erection, Installation, Testing and Commissioning of 07 nos. 33/11KV New GIS Substation, 04 nos. 33/11KV Substation (GIS upgradation), 33KV Bay Extension at 05 Nos. Sub-station 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. [GD 1 Lot 1]

Sl. No.	Reference Clause No.	As existing in Tender Document	Clarification Asked	Clarification/Amendments
66	Vol 1 - Schedule of rates and prices - Schedule no. 4 - Civil works part	The item c) of Schedule 4. Civil works part states construction of substation switchyard. mentioned that "In control room high quality tiles shall be installed in floor".	tiles corresponding to different rooms of the GIS building. Please indicate the activities which can be covered under this item.	As per Tender Document
67	Section 7.2. 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
68	Cl.7.6.1.3 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
69	Section 7.6. Control Building 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.	Amended as: Lintels for opening shall be of reinforced concrete and extended to a length of at least 20 inch into the adjoining walls.
70	Section 9-Drawings	Layout drawings only for Lot-2 package are provided	Layout plan for all the lots including News/S. Upgradation, Bay extensions and Cable routing are to be provided.	As per Tender Document
71	Section 7.6. Architectural and structural Requirements of	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 needs to be considered.	As per Tender Document

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Design, Supply, Construction, Erection, Installation, Testing and Commissioning of 07 nos. 33/11KV New GIS Substation, 04 nos. 33/11KV Substation (GIS upgradation), 33KV Bay Extension at 05 Nos. Sub-station 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 1]

Sl. No.	Reference Clause No.	As existing in Tender Document	Clarification Asked	Clarification/Amendments
80	General	External Staircase	Please confirm whether external staircase is required for the control room building.	As per Tender Document
81	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
82	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
83	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 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. In case of contradiction between Price schedule and other sections, it is considered that price schedule shall prevail.	As per Tender Document
84	General	General	Please furnish the preliminary soil investigation report for all the substations in lot-1, in order to assess the fill depth, foundation depth and type.	As per Tender Document
85	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







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Sl. No.	Reference Clause No.	As existing in Tender Document	Clarification Asked
Commerical Queries			
86	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 Contracts (including sub-contractors, agents, personnel, consultants, and service providers) in competing for, or in executing, a contract under public fund: Delegation of Power of Attorney/Authorization Letter to Sign the Bid	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.
87	ITT 24.2 Vol 1 of 5	Port of Landing: Any port of Chittagong/Dhaka/Khulna (Mongla)/Benapole.	We understand that PoA will be drawn in favour of Secretary, BPDB only. Please confirm.
88	ITT 26.5 (a)	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 Consignee.	We understand that nearby BPDB store will be available for storing Material/Machinery/Equipment for this project free of any charges. Please confirm.
89	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,
			As per Tender Document
			As per Tender Document
			As per Tender Document












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Sl. No.	Reference Clause No.	As existing in Tender Document	Clarification Asked	Clarification/Amendments
90	ITT 29.3 (c)	After sales service is required	Structure, Civil & Erection items. DPDC Price Variation formula is attached for your reference. We understand that only obligations covered under DLP/Warranty will be covered in after sales service by the contractor. Please confirm.	As per Tender Document
91	ITT 57.5 (b) Schedule 1.3,4,5&6 2.3,4,5&6	Cost of major replacement components, mandatory spare parts, and service: Not Applicable. 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 Sechedule 1.9 & 2.9	As per Tender Document
92	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
93	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
94	13.1	The Employer shall give possession of the Site or part(s) of the Site, to the	Contractor will be eligible for both Cost and Time Compensation. Please confirm.	As per Tender Document

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Sl. No.	Reference Clause No.	As existing in Tender Document	Clarification Asked
95	13.1 25	<p>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</p> <p>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</p>	<p>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.</p>
96	17.2	<p>Employer Responsibility</p> <p>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,</p>	<p>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.</p>
			Clarification/Amendments

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Sl. No.	Reference Clause No.	As existing in Tender Document	Clarification Asked	Clarification/Amendments
97	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
98	52	Force Majeure	We understand that epidemic / pandemic and their subsequent variants will be covered in Force Majeure. Please confirm.	As per Tender Document
99	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	We understand that Quantity Variation shall not be more than (+/-) 15% of the Total Contract Value. Please confirm that if there is any ceiling on individual item variation.	As per Tender Document

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Design, Supply, Construction, Erection, Installation, Testing and Commissioning of 07 nos. 33/11KV New GIS Substation , 04 nos. 33/11KV Substation (GIS upgradation) , 33KV Bay Extension at 05 Nos. Sub-station 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 1]			
Sl. No.	Reference Clause No.	As existing in Tender Document	Clarification Asked
		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.	
100	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	We understand that LD is levied only on undelivered portions of the Substation. Please confirm.
101	GCC 60.4 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 all taxes and duties arising on the all permanent materials and equipments under the contract shall be paid by the employer. Kindly confirm. Also, please confirm if any changes in the taxes and duties shall be on employer's account.
102	GCC 60.1 60.4 Schedule 1	Import Duty, VAT, Taxes, Levies and other Taxes for Permanent Materials of the project:	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.
			Clarification/Amendments

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Sl. No.	Reference Clause No.	As existing in Tender Document	Clarification Asked	Clarification/Amendments
103	GCC 60.4 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
104	GCC 60.4 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
105	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
106	Bank Guarantee	Bank Guarantee for Tender Security	Requesting you to accept Bank Guarantee from Scheduled	As per Tender

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Design, Supply, Construction, Erection, Installation, Testing and Commissioning of 07 nos. 33/11KV New GIS Substation , 04 nos. 33/11KV Substation (GIS upgradation) , 33KV Bay Extension at 05 Nos. Sub-station 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 1]			
Sl. No.	Reference Clause No.	As existing in Tender Document	Clarification Asked
107	Bank Guarantee	As existing in Tender Document (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]	Banks of Bangladesh/Internationally Reputed Banks also. With reference to the feedback received from Banks, kindly allow addition of the following last para to the EMD BG. "Notwithstanding anything stated above: 1) Our liability under this Guarantee shall not exceed Rs..... *(both in figures & in words). 2) The Bank Guarantee shall remain valid up to and including *(day/month/year). 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)." Kindly confirm.
108	Bank Guarantee	Bank Guarantee for Tender Security (Form PG5A-6)	Please indicate the stamp duty of non judicial stamp paper.
Operational Queries			
109		33/11KV, 2x16/20 MVA Regular Type GIS (Himchori New)	At the proposed site for new GIS at Himchori , an existing Fisheries building is present. The same has to be demolished






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Sl. No.	Reference Clause No.	As existing in Tender Document	Clarification Asked	Clarification/Amendments
110		33/11KV, 2x20/26 MVA Regular Type GIS (Coxsbazar New)	At the proposed site for new GIS at Coxsbazar, some existing security buildings are present. The same has to be demolished before new SS can be erected. Please confirm regarding the expenses towards local objections that may arise during demolition drive.	As per Tender Document
111		33/11KV, 2x16/20 MVA Regular Type GIS (Keranihat New)	Around 20-25 km approach road to be prepared to connect the sub-station location with main road for delivery of goods and equipments. Please confirm the ownership of the Right of Ways that may come up during construction of this approach road.	As per Tender Document
112		33/11KV, 1x16/20 MVA to 2x16/20 MVA GIS Up-gradation (Dohazari ESU) & 33 KV Bay Extension at Dohazari 132/33 KV Grid Substation	During Site Investigation, it is discovered that there is serious space constraint for new equipments related to bay extension works. Kindly confirm if ample space is available for proposed works. Else kindly provide alternate arrangement for the same and accordingly amend the BoQ.	As per Tender Document
113		33 KV Bay Extension at Shikalbaha 132/33 KV Grid Substation	During survey it was found out that that the existing 33KV & 11KV Switchgears are also not functioning properly and needs replacement. We hope that this is not under our scope of work. If, these are to be replaced by us, kindly include the same in Line BOQ. Also please specify dismantling of the equipments will be under whose scope of work.	As per Tender Document
114		33 KV Bay Extension (Chokoria) from	As per survey it is found out that in the existing Control	As per Tender

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Design, Supply, Construction, Erection, Installation, Testing and Commissioning of 07 nos. 33/11KV New GIS Substation , 04 nos. 33/11KV Substation (GIS upgradation) , 33KV Bay Extension at 05 Nos. Sub-station 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 1]			
Sl. No.	Reference Clause No.	As existing in Tender Document	Clarification Asked
		33/11 KV Substation	Room Building where 4 Nos. 33KV AIS PCM Panel installation is proposed, there is no space available for placing of the panel and other equipments. Request to suggest the alternative arrangement to ensure installation in proper way.
Legal Queries			
115	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 " Request your acceptance for the same.
116	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	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". Request your acceptance for the same.
			Clarification/Amendments
			Document






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Sl. No.	Reference Clause No.	As existing in Tender Document	Clarification Asked	Clarification/Amendments
117	GCC 70	<p>securing the Works, and less advance payments received up to the date of the certificate.</p> <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>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>	<p>As per Tender Document</p>
118	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</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>	<p>As per Tender Document</p>


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Design, Supply, Construction, Erection, Installation, Testing and Commissioning of 07 nos. 33/11KV New GIS Substation , 04 nos. 33/11KV Substation (GIS upgradation) , 33KV Bay Extension at 05 Nos. Sub-station 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 1]				
Sl. No.	Reference Clause No.	As existing in Tender Document	Clarification Asked	Clarification/Amendments
		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."		
119	GCC 77.1	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, from all claims and liability hereunder for anything done or furnished for or relating to the work, or	Kindly ensure that this clause shall not apply to any surviving disputes or claims of the Contractor	As per Tender Document






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Sl. No.	Reference Clause No.	As existing in Tender Document	Clarification Asked	Clarification/Amendments
120	GCC 57.3 r/w Appendix 1	for any act or neglect of the BOARD or of any person relating to or the affecting the work 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	We like to request you to kindly consider this clause since ideally, Contractor should be entitled to interest on delayed payments	As per Tender Document

33KV Gas Insulated Switchgear (GIS) Panels:

121	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
122	Price Schedule, 33KV GIS Line Item, Description of Items for 33 KV Bay Extension atJhilonjha, Coxsbazar 132/33 KV Grid Substation	Description of Items for 33KV GIS mentioned that, GIS cubicles Bus Coupler Breaker with Riser (Bus Coupler with Riser) (3150 A)-2 Nos.	We understood that, 33KV GIS for this substation is Double Bus Bar system. As per the indicative Single Line Drawing, 2 sets of Bus sectionalizer shown and in Price Schedule these 2 sets are mentioned as Bus Coupler. Kindly note that, if these 2 sets are Bus Sectionalizer, there are also requirement of 3 nos. additional Bus Coupler Panels of 3150A (1 no. for each Bus Section) which are not mentioned in the Price schedule and also not shown in the indicative Single Line Drawing. Also total 6 sets (18 nos.) of Bus PTs are required for 3 sections of the Bus Bars which are also not clearly mentioned in the Price Schedule or Indicative drawing.	Amended As: Description of Items for 33KV GIS mentioned that, GIS cubicles Bus Coupler Breaker with Riser (Bus Coupler with Riser) (3150 A)-2 Nos. and Bus sectionalizer for double bus bar system 3150A-01 Set. With 4 Set Bus PT (1Set=3Nos.) attached Indicative Drawing.

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Sl. No.	Reference Clause No.	As existing in Tender Document	Clarification Asked	Clarification/Amendments
123	GTP of 33kV GIS for Julda Bay Extension	In the GTP, short circuit breaking current mentioned as 31.5kA for 3 sec.	Kindly clarify and confirm the exact requirement. Kindly note that, existing installed 33kV GIS panels are with short circuit breaking current 25kA for 3 sec. and the new panels requirement is with 31.5kA for 3 sec. Kindly confirm the requirement.	As per Tender Document
124	General	Multifunction Meter for 33kV GIS	There is 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
125	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: Transformer Panel - Differential Relay (42 BI + 32 BO); Transformer Panel - O/C & E/F Relay (42 BI + 32 BO); Line Feeder - O/C & E/F Relay (24 BI + 24 BO); Bus Coupler - O/C & E/F Relay (32 BI + 24 BO); Auxiliary Transformer - O/C & E/F Relay (24 BI + 24 BO);	As per Tender Document
126	Indicating LED Lamps for 33kV GIS Panels		Kindly recheck the BI BO numbers and confirm the exact requirement. 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
11kV Gas Insulated Switchgear (GIS) Panels:				
127	Price Schedule, 11KV GIS Line Item, Description of Items for	Description of Items for 11kV GIS mentioned that, 11kV GIS including Surge Arresters and other related	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	As per Tender Document

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Sl. No.	Reference Clause No.	As existing in Tender Document	Clarification Asked	Clarification/Amendments
128	General	Multifunction Meter for 11KV GIS	Arresters will be Outdoor type. Kindly confirm the exact requirement. There is 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
129	General	Voltmeter for 11KV GIS Outgoing Feeder Panels	There is 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
130	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: - 11KV Bus Voltage Transformer is required for each bus segment. - 11KV Line Voltage Transformer is required for all Incoming Feeder switchgear panels. Kindly confirm the requirement.	11KV GIS Line Voltage Transformer and Bus Voltage Transformer
131	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: Incoming Panel - O/C & E/F Relay (32 BI + 32 BO); Bus Coupler - O/C & E/F Relay (32 BI + 24 BO); Outgoing Panel - O/C & E/F Relay (24 BI + 24 BO); Kindly recheck the BI BO numbers and confirm the exact requirement.	Protection Relays for 11KV GIS Panels
132	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
133	Price Schedule, 11KV	Description of Items for 11KV GIS	We understood that, 11KV Outdoor Type Surge Arresters	As per Tender

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Sl. No.	Reference Clause No.	As existing in Tender Document	Clarification Asked	Clarification/Amendments
	GIS Line Item, Description of Items for all Substations.	mentioned that, 11kV GIS including Surge Arresters and other related accessories.	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.	Document

33kV Outdoor Vacuum Circuit Breakers (OVCBs):

134	Price Schedule, 33kV OVCBs Line Item, Description of Items for 33 KV Bay Extension at Dohazari 132/33 KV Grid Substation	Description of Items for 33kV OVCB mentioned that, requirement is for 2500A, 31.5kA for 3 sec rated OVCB. But in GTP of 33kV OVCB for this substation mentions the rating as 2500A, 40kA for 3 sec.	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.	Rating as 2500A, 31.5kA for 3 sec.
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Other's Queries:

135	Section-5: Price Schedule No.1&2(1 to11) BOQ 6.2.1-11 Line item No (12)	Supply of 11kV 3Cx185sq.mm XLPE Copper cable per phase for outgoing feeder from 11kV GIS.	Amended As: Supply of 11kV,3Cx185sq.mm XLPE Copper cable per outgoing feeder from 11kV GIS.
136	Section-7: Technical Specification Clause 7.1.4.5, Sl. No. 5 & 8 Page-672	Normal Transformation Ratio at No load and principal tap- 33/11.55kV. Rated LT Voltage (Phase to Phase)- 11.55kV		Amended as: Normal Transformation Ratio at No load and principal tap - 33/11kV. Rated LT Voltage (Phase to Phase)- 11kV.
137	Section-8: GTP Sl. No. 8.05 (1.6) Page-1000	Normal transformation ratio at No-load and Principal Tap- 33/11.55kV		Amended as: Normal transformation ratio at No-load and






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Sl. No.	Reference Clause No.	As existing in Tender Document	Clarification Asked	Clarification/Amendments
138	BOQ & Price Schedule of 33 KV Bay Extension at Julda 132 /33 KV Grid Substation Under S&D-Patiya, BPDB, Chattogram.	Supply of 33 kV indoor Gas Insulated Switchgear (GIS8DB10) unit comprising 1250 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 unit comprising 1250 Ampere Bus including surge arresters and other related accessories. This 33KV GIS Must be Compatible with existing GIS system. 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.
139	Section 2: Tender Data Sheet ITT 14.1 (b)	The minimum specific experience as a Contractor or Subcontractor or Management Contractor in similar to the proposed plant and services in at least a number of 2 (two) contract (s) of similar nature*, complexity	We request you to kindly amend clause no. ITT 14.1(b) as follows, for competitive participation and pricing: 02 (Two) similar nature or higher voltage level is requested to be amended as at least 01 (One) GIS & 1 (One) AIS of similar nature	As per Tender Document







Sl. No.	Reference Clause No.	As existing in Tender Document	Clarification Asked	Clarification/Amendments
		<p>and methods/ construction technology successfully completed within the last 10 (ten) years, each with a value of at least Tk. 115 (One undred Seventy) Crore or equivalent USD 13.37 (Thirteen point Three Seven) million.</p> <p>*Similar nature means: Construction of 33/11kV or higher voltage level GIS 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>or at higher Voltage level.</p> <p>Total contract value of single contract should be within 5 Million USD for GIS package.</p>	

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Shamsuddin



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