

Clarification-1

Design, Supply, Installation, Testing and Commissioning of 230/33 kV GIS Substation at Bhola and 132133 kV GIS Substations at Domar,
 Haibandha, Shibchar, Bhanga, Jhalokathi, Pirojpur on Turnkey Basis (Package-8) Re-tender [OCB No.:
 PGCB/AIIB/L8374/DWZTGEPI/GIS/P8(Re-tender)]
 Invitation for Bids (IFB): 27.21.0000.101.07.321.24.3990
 Date: 26/09/2024

Some queries were received from the prospective Bidders regarding the Bidding Documents prior the Pre-bid meeting as well as some of the bidders have submitted queries after pre-bid meeting. Clarifications on the above queries are given below, which will form part of the bidding documents.

Sl. No.	Volume / Section / Clause / Item / Page Reference	Description & Queries of Prospective Tender from Bidder	Reply from Power Grid
1	Volume 1 / Section 3 (Evaluation and Qualification Criteria) / Clause No. 2.5.1 and Volume 1 / Section 4 (Bidding Forms) / Form EXP-3: Subcontractors	Description: Section 3 (Evaluation and Qualification Criteria) / Clause No. 2.5.1 - As per tender requirement every equipment manufacturer have to provide Form EXP-3 Bidder's Query: Section 4 (Bidding Forms) / Form EXP-3: Subcontractors - Contract Name, Identification, Value and Details of Contract is Required. As per our understanding Form "EXP-3: Subcontractors" is only for Electrical and Civil Works subcontractors, not for manufacturers. Every equipment manufacturer does not need to provide Form EXP-3. Moreover, from our previous experience we have seen that manufacturers do not want to provide this document because contract name, contract identification, contract value these are not related information with manufacturers. Please confirm our understanding is correct.	Your understanding is not correct. EXP-3 is for subcontractor/manufacturers as per bid document.
2	Volume 1 / Schedule E: Technical Particulars and Guarantees / 4.3 Technical information and 4.4 Drawings and Other Technical Information to be provided	Description: 4.3 Technical information and 4.4 Drawings and Other Technical Information to be provided Bidder's Query: As per our understanding bidder does not have to provide these "4.3 Technical	Drawings have been provided at the end of Volume-2 of the bidding document.







		information and 4.4 Drawings and Other Technical Information to be provided" specification sheet during bidding stage rather it is required during execution stage. Please confirm our understanding is correct.	
3	Volume 1 / Section 3 / 2.5 Subcontractors/Manufacturers / 2.5.1 Manufacturers / Item No. 4 - AIS Circuit Breaker	Description: Item No. 4 - AIS Circuit Breaker All Circuit breakers shall be from same factory. Bidder's Query: We would like to inform you that reputed manufacturers like ABB/Hitachi Energy/Siemens/GE do not manufacture 33kV circuit breakers in European factories but they manufacture 33kV circuit breakers in their factories in India. So we request you to consider "All circuit breakers must be of same manufacturer from different factories".	Please follow the bid documents.
4	Volume 2 / 5. Protection, Metering & Control and Substation Automation System / 5.2 Protection Relay - General	Description: 5.2.1 For standardization of operating performance, facilities and spare requirements, the protection relays and control systems, together with complete panels to be supplied under this project shall be manufactured by ABB (Switzerland/Sweden), Alstom/GE (France / UK/USA), Siemens (Germany), SEL (USA) or equivalent. 5.2.6 Since some of the above mentioned make, viz., ABB (Switzerland/Sweden), Alstom/GE (France/UK/USA), Siemens (Germany), SEL (USA), relay and control system is already existed in PGCB's System and their performance is proven, only Manufacturer's Authorization letter among the Qualification Criteria of sub-clause 2.5 of Section 3 of volume 1 of 3 of the Bidding Document is required to be submitted with the bid of the bidders who choose to propose Relay & SAS from these proven manufacturers. Acceptance of any other relay, control system and SAS with similar characteristics shall have to fulfill the Qualification Criteria of sub-clause 2.5 of Section 3 of volume 1 of 3 of the Bidding Document. Bidder's Query: As per our understanding for ABB (Switzerland/Sweden), Alstom/GE (France/UK/USA), Siemens (Germany), SEL (USA) make Relay & SAS, we only need to consider Manufacturer's Authorization Letter. No need to consider any other	As per EQC

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		manufacturer's documents as per Section 3, Clause no. 2.5. Please confirm our understanding is correct.	
5	Volume 2 / 5. Protection, Metering & Control and Substation Automation System / 5.19 Digital Fault and Disturbance Recorder (DFDR)	Description: 5.19.2 For the purpose of standardization, the DFDR to be supplied under this project shall be from Qualitrol (Belgium/UK), SIEMENS (Germany) or equivalent. 5.19.4 Since some of the above mentioned make, viz., Qualitrol (Belgium/UK), SIEMENS (Germany), DFDR is already existed in PGCB's System and their performance is proven, only Manufacturer's Authorization letter among the Qualification Criteria of sub-clause 2.5 of Section 3 of volume 1 of 3 of the Bidding Document is required to be submitted with the bid of the bidders who choose to propose DFDR from these proven manufacturers. Acceptance of any other DFDR with similar characteristics shall have to fulfill the Qualification Criteria of sub-clause 2.5 of Section 3 of volume 1 of 3 of the Bidding Document. Bidder's Query: As per our understanding for Qualitrol (Belgium/UK), SIEMENS (Germany) make DFDR, we only need to consider Manufacturer's Authorization Letter. No need to consider any other manufacturer's documents as per Section 3, Clause no. 2.5. Please confirm our understanding is correct.	As per EQC
6	Volume 2 / 14. Fibre-Optic Multiplexer Equipment for Communication and Protection	Description: For standardization of operation performance, facilities and spare requirements, the fibre optic multiplexer equipment for communication and protection to be supplied under this project shall consist of equipment which can totally be integrated into the existing telecommunication system in PGCB's network, including the telecommunication network management system. The fibre optic multiplexers presently used in PGCB's network are: · ABB FOX 515/615, and · Areva MSE 5001 The Manufacturer of Telecommunication system – Fibre optic multiplexer equipment for communication and protection shall be: ABB (Switzerland), GE (former Alstom/Areva), ZTE/HUA WEI (China) or equivalent. Only Manufacturer Authorization Letter is required to be submitted with the bid. Since, above mentioned manufacturers are approved, all other requirements mentioned in sub-clause 2.7. of Section 3 of Volume 1 are not required. Bidder's Query: As per our understanding for ABB (Switzerland), GE (former Alstom/Areva), ZTE/HUA WEI (China) make Telecommunication system – Fibre optic multiplexer	As per EQC

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		equipment for communication and protection, we only need to consider Manufacturer's Authorization Letter. No need to consider any other manufacturer's documents as per Section 3, Clause no. 2.5. Please confirm our understanding is correct.	
7	Volume 2 / Clause No. 3.5.1.3.1 Portable Lightning Arrester Diagnostic System (PLADS)	Description: 3.5.1.3.1 Portable Lightning Arrester Diagnostic System (PLADS) Contractor shall provide two PLADS (one per S/S) to diagnose of the aging state of lightning arrester for condition test and MRE. The specification of PLADS is as follows: i) Such diagnosis items are able to be measured. ii) Total leakage current iii) Resistive leakage current iv) Harmonics (3rd, 5th, 7th, 9th) current v) Detected sensor shall be a CT sensor. vi) The electric field shall be reduced in a shielding case. vii) HMI shall be provided for analyzing the data	Please see addendum 1
8	Volume 2 / Clause No. 3.4.1.5.1 (d) SF6 gas analyzer	Bidder's Query: Portable Lightning Arrester Diagnostic System (PLADS) is not mentioned in Price Schedule. If it is required then please add this item in the Price Schedule. Description:(d) SF6 gas analyzer: The SF6 gas analyzer should be of portable type and instruments shall have following features: ii) In-built calibration facility. iii) Sensitivity of the equipment shall not be affected by any atmospheric conditions like dust, humidity, heat, wind etc. iv) Equipment shall work on zero gas loss principle i.e. gas should be pumped back to the compartment after measurement without any exposure to the atmosphere. v) Equipment shall be supplied with suitable regulator which can be used to connect SF6 cylinder if required. vi) Following acidic/impurities products should be detected as per IEC 60480 and IEC 60376vii) SF6 purity – Range: 0-100 % & Accuracy: +/- 2 degviii) Dew point - Range : -60 to +20 deg C & Accuracy: +/- 4 deg Cix) SO2 - Range : 0-150 ppm & Accuracy : +/- 2 %x) HF - Range : 0-10ppm & Accuracy : +/- 10 %xi) Instrument should work on AC source as well as on rechargeable batteryxii) Input pressure: up to 10 barxiii) It should be housed in a robust IP67 case with wheels.Bidder's Query:SF6 gas analyzer is not mentioned in the Price Schedule. If it is required then please add this item in the Price Schedule.	Please see addendum 1

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9	Volume 2 / Clause No. 3.4.8 Surge Arresters (Gas type)	Description: 3.4.8 Surge Arresters (Gas type) 1. Surge arresters in GIS shall be of the type metal oxide arresters without gaps complete with surge counters and shall fulfill requirements as per IEC 60099.4.1FC 60099-5 and PGCB specification. 3.4.8.1 The Contractor shall demonstrate and verify by EMTP that the surge arresters will adequately protect the switchgear arrangement proposed. Bidder's Query: Please clarify whether the contractor has to do the EMTP Study or not. If the contractor is required to do this then please add this item in the Price Schedule.	Please see addendum 1
10	Volume 2 / Clause No. 2.24 Insulating Oil	Description: Insulating oil shall comply with the requirements of IEC 60296. Insulating oil shall be provided by the Contractor for all oil-filled apparatus and 10% excess shall be provided for topping up purposes in sealed drums. The Contractor shall provide at no additional cost any oil treatment facilities he may require for his own use in order to ensure that insulating oil meets the requirements of the specification. Bidder's Query: Please clarify whether the contractor has to provide the 10% excess oil or not. If the contractor is required to do this then please add this item in the Price Schedule.	Please see addendum 1
11	Volume 3 / 1.3 Requirements	Bidder's Query: As per Volume 3/ 1.3 requirements, GIS type LA is required for each GIS line and transformer circuit bays But it is not reflected in SLD. If it is required please add it to SLD and price schedule.	SLD is a preliminary drawing. For complete scope please go through schedule A, Price schedule in conjunction with Volume 2
12	Price Schedule / Schedule B1 / Item No. 1A7, 2B7, 3B7, 4B7, 5B7, 6B7, 7B7, 9B7, 11B7, 12B7	Description: 192kV rated voltage, 10kA nominal discharge current, 50Hz, gapless metaloxide type, single phase surge arresters 120kV rated voltage, 10kA nominal discharge current, 50Hz, gapless metal oxide type, single phase surge arresters Bidder's Query:	For complete scope please go through schedule A, Price schedule in conjunction with Volume 2

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		As per Volume 3/ 1.3 requirements, these are AIS type surge arresters, please confirm	
13	Price Schedule: 1A7, & Vol. 2, Single Line Diagram of 230/33kV Bhola GIS New Substation.	Description: Price Schedule: 1A7, & Vol. 2, Single Line Diagram of 230/33kV Bhola GIS New Substation. Bidder's Query: As per our understanding and provided SLD, 24 nos. of Surge Arresters will be required for 230kV side of Bhola 230/33kV GIS Substation. But in Price Schedule only 18 nos. of Surge Arresters is mentioned. Please clarify our understanding. If yes, then please revise the Price Schedule Line Item No: 1A10.	As per tender
14	Price Schedule: 2B7, 3B7, 4B7, 5B7, 6B7, 7B7 and Single Line Diagram	Description: Price Schedule: 2B7, 3B7, 4B7, 5B7, 6B7, 7B7 and Single Line Diagram Bidder's Query: There is variation in the quantity of LA between the Price Schedule & Single Line Diagram. Please check again to confirm.	As per tender
15	Price Schedule / Schedule B4.2: Additional Services / Item No, 13 - Additional Services (Provisional Sum)*	Description: Item No, 13 - Additional Services (Provisional Sum)* Bidder's Query: Bidder's understanding is that this FAT price includes airfare, accommodation, meals, health care, transportation, visa fees, daily allowance, etc., and other necessary expenses. Bidder doesn't have to consider anything else. Please confirm that the bidder's understanding is correct.	Please refer to schedule A and price schedule.
16	Price Schedule / Item No, 123 and 124	Description: Gas Insulated Line (GIL) 230kV GIL (with necessary bellow & angle joint) - 50 Meter 145kV GIL (with necessary bellow & angle joint) - 50 Meter Bidder's Query: 50 meters - circuit length or phase length? Please clarify.	The mentioned reference does not matched with price schedule.
17	Volume 3 / Schedule E: Technical Particulars and Guarantees / Guaranteed Technical Particulars (GTP) for GIS [132kV & 230kV]	Description: Guaranteed Technical Particulars (GTP) for GIS [132kV & 230kV] 1.2.2.2.1 - Bus Bar - (For 132kV - 3 Phase) and (For 230kV - 1p/3p) 1.2.2.2.2 - Bay - (For 132kV - 3 Phase) and (For 230kV - 1p/3p) 1.2.2.2.3 - Feeder Connection - (For 132kV - 3 Phase) and (For 230kV - 1p/3p)	132kV line bay feeder require 1P/3P autoreclosure function. So line bay feeder shall be as per manufacture's

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		Bidder's Query: Since 132kV line bays require 1P/3P Autorecloser feature, we request you to consider 1p/3p for 132kV bus bar, bay and feeder connections. Please consider.	design. Please refer to GIS GTP item 2.2.4.
18	Volume 3 / Schedule E: Technical Particulars and Guarantees / 4.2.1 Part-1: AIS Switchgear / Circuit Breaker And Volume 3 / Schedule E: Technical Particulars and Guarantees / 4.2.3 Switchgear 33 kV / Circuit Breaker 33 kV	Description: 4.2.1 Part-1: AIS Switchgear - Circuit Breaker - SI No. 2.1.5 - Isolating and Quenching Medium - For 33kV - Vacuum / SF6 4.2.3 Switchgear 33 kV - Circuit Breaker 33 kV - SI No. 1.7 - Isolating and quenching medium - Vacuum Bidder's Query: Two different requirement at two different places. For all 33kV circuit breakers, we request you to accept vacuum / SF6 type. Please consider.	Please see addendum 1
19	Price Schedule / Schedule B1: Mandatory Spare Parts supplied from abroad / 13. Mandatory Spare, Maintenance & Test Equipment / Item no. 1 and 15	Description: 1 - Complete bay equipment module with necessary accessories- 1 sets 15 - Complete bay equipment module with necessary accessories- 6 sets Bidder's Query: Requirement is not clear. Please explain in detail.	Please see addendum 1
20	Price Schedule: 1C5, 2C5, 3C5, 4C5, 5C5, 6C5, 7C5. Vol. 3, P. 10, Sec. 1C5 & Vol. 3, P. 237, Sec. 2.9	Description: Price Schedule: 1C5, 2C5, 3C5, 4C5, 5C5, 6C5, 7C5. Vol. 3, P. 10, Sec. 1C5 & Vol. 3, P. 237, Sec. 2.9 Bidder's Query: As per Price Schedule, the number of winding of the Voltage Transformer is 2. However, as per the GTP & Technical Specification, 3 nos secondary windings of Voltage Transformer is mentioned. Kindly confirm the actual requirement of this item.	As per price schedule.
21	Price Schedule: 10B6 & 10B9 c) vi)	Description: Price Schedule: 10B6 & 10B9 c) vi) Bidder's Query: In the scope of work & Price Schedule, 12 nos of Surge Arrester & 12 nos of corresponding structures are mentioned. But, as per our understanding & SLD, the	as per tender







		actual requirement is will be 6 nos. Please clarify our understanding. If yes, then please revise the Price Schedule Line Item No: 10B6 & 10B9 c) vi).	
22	Price Schedule: New 230/33 kV Substation at BHOLA, 1M1. (a) Complete Compacted Land development with carried/dredged earth/sand filling	Description: There is no quantity of this line item in this specific price schedule. Bidder's Queries: Please Provide the actual quantity of this line item.	please refer to addendum 1
23	Volume-2 /Section-10/10.3.3	Description: The entire surface within boundary walls shall be of uniform sloping site, sloping at 1 in 150 minimum slope to open channels around the entire perimeter. Bidder's Queries: As sloping of all pipelines at 1 in 150 is practically very difficult. Bidder proposes to make the slope of the surface drain at 1 in 500, the slope of the switchyard drainage pipe at 1 in 300, and the slope of the soil pipe at 1 in 150. Please confirm.	Please follow the bidding document
24	Auxiliary transformer foundation	Description: There is no line item for auxiliary transformer foundations in the price schedule. Bidder's Queries: Please add a line item for auxiliary transformer foundation in the price schedule.	Costs are deemed to be included in the quoted price of the bidder
25	Drawings	Description: There is no coordinate shown in Bhanga and Pirojpur Substation Layout. Bidder's Queries: Please provide the actual coordinate of the following substation layout.	Please collect it from respective project director's Office, Power Grid Bangladesh.
26	Volume I Price Schedule_P8_Final_28.07.2024	Description: 132kV Live Tank Circuit Breaker 145kV, 1600A, 50kA/1sec, 50Hz, 650kVp BIL, live tank type, single pole operation, SF6 gas circuit breakers with spring-stored energy operating mechanism with support structure. Bidder's Queries: About the rated short-circuit breaking currents in drawing and schedule : 50kA In data sheet : 40kA Please confirm 40kA or 50kA.	In case of 132kV AIS Circuit Breaker, Gopalgarj 400/230/132KV SS consider 50kA. Other AIS circuit breaker consider 40kA.

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27	Volume 1 Price Schedule_P8_Final_28.07.2024	Description: Instrumental Transformer single-phase, 3-core, 145kV, 50Hz, 650kVp BIL inductive type voltage transformers. Bidder's Queries: About the type of VT, in schedule: inductive. In data sheet and technical document: capacitive Please confirm the type of 145kV VT.	See Addendum 1
28	Volume 1 Price Schedule_P8_Final_28.07.2024, 10. Extension of 132kV AIS bays at 132/33 kV Substation at Gopalgarj;	Description: Disconnecter 10B2:145kV, 1600A, 50kA/1sec, 50Hz, 650kVp BIL horizontal double break, post type, motor operated disconnectors with motor-operated earthing switch. 10B3:145kV, 1600A, 50kA/1sec, 50Hz, 650kVp BIL, horizontal double break, post type, motor operated disconnectors without earthing switch. Bidder's Queries: But in TDS-GIS+AIS: Disconnecter without Earthing Switch; 3.3.5 Rated Short Time withstand Current of 132KV is 40 kA/1sec. Please confirm 40kA or 50kA.	In case of 132kV AIS Circuit Breaker, Gopalgarj 400/230/132KV SS consider 50kA. Other AIS circuit breaker consider 40kA.
29	Volume 1 Price Schedule_P8_Final_28.07.2024, From 1. New 230/33 kV Substation at BHOLA to 7. New 132/33 kV Substation at Domar.	Description: Disconnecter 1C2, 2C2, 3C2, 4C2, 5C2, 6C2, 7C2 : i)DS without ES, ii)DS with ES. Bidder's Queries: TDS-GIS+AIS: Disconnecter 132 kV with Earthing Switch; 3.2.1, Integrated Earth Switch of 132kV and 33kV is NO. Please confirm DS with one ES or two ES or without?	a)DS with ES will be integrated with earth switch. b) DS w/o ES will be without earth switch

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30	Volume I Price Schedule_P8_Final_28.07.2024, 8. Extension of 132kV AIS bays at 132/33 kV Substation at Patnitola and 10. Extension of 132kV AIS bays at 132/33 kV Substation at Gopalganj.	Description: Disconnectors 8B2: 145kV, 1600A, 40kA/1sec, 50Hz, 650kVp BIL horizontal double break, post type, motor operated disconnectors with motor- operated earthing switch. 10B2: 145kV, 1600A, 50kA/1sec, 50Hz, 650kVp BIL horizontal double break, post type, motor operated disconnectors with motor- operated earthing switch. Bidder's Queries: TDS-GIS+AIS: Disconnectors 132 kV with Earthing Switch; 3.2.1, "Integrated Earth Switch" of 132kV and 33kV is NO. Please confirm DS with one ES or two ES or without?	a) DS with ES will be integrated with earth switch. b) DS w/o ES will be without earth switch
31	Volume 3 TDS-GIS+AIS / 6.4.16 of 4.2.2 Part 2: GIS Switchgear	Description: GIS 6.4.16 of 4.2.2 Part 2: GIS Switchgear Bidder's Queries: BCU in LCC. Kindly confirm BCU excluded in GIS scope since it belongs to PROTECTION, CONTROL AND METERING scope. Please confirm.	BCU in LCC is not applicable.
32	Volume 3 / section II, schedule A of volume 03	Description: GIS section II, schedule A of volume 03 Supply of complete spares and spare parts of transformer, switchgear, control equipment, protection relays, meters, erection & test equipment as per quantity mentioned in Schedule B. Preferable country of origin of Testing Equipment shall be supplied from Germany, USA, UK and Japan.	Equivalent model with same functionality shall be acceptable
33	Volume 3 / section II, schedule A of volume 03	Bidder's Queries: Kindly confirm if China is acceptable or not other than country of origin of Germany, USA, UK and Japan. Description: GIS section II, schedule A of volume 03 For Tools set, STANLEY, USA is preferable. Bidder's Queries: Kindly confirm if China brand is acceptable.	Equivalent model with same functionality shall be acceptable

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34	Volume 2 / Drawings	Description: GIS - Drawings Bidder's Queries: Kindly clarify names of each bay since those in single line diagram are not in accordance with those in layout plan, such as 10 bays of line bays in single line diagram while 8 bays of line bays in layout plan for BHOLA.	Drawings are preliminary & for tender purpose. Please follow the price schedule, schedule A & volume 2 for details scope of work
35	Volume 3 / Schedule A: Scope of Work	Description: GIS 145KV, 40kA/3s, SF6, three phase, single pole operation circuit breaker complete with Hydro-mechanical spring operating mechanism Bidder's Queries: Is three phase gang operated, with spring mechanism acceptable? Please Confirm.	please refer to addendum 1
36	Price Schedule / Schedule No. B1/ Line Item No. 1H2 (i)	Description: i) Power Cable, ckt meter - 200m Bidder's Queries: Ckt meter - 200m meter means total 200x3=600 meter cable. Please confirm that bidder's understanding is correct.	understanding is correct
37	Price Schedule / Schedule No. B1/ Line Item No. 1H2, 6H2, 7H2, 9H2, 10H2, 11H2, 12H2	Description: Line Item No. 1H2, 6H2, 7H2, 9H2, 10H2, 11H2, 12H2 Bidder's Queries: Carrying current capacity is different in GTP and Price schedule. Please confirm, which one should we follow?	please refer to addendum 1
38	Volume 2 / 17. Power Cables and Cable Terminating Accessories	Description: 17. Power Cables and Cable Terminating Accessories Bidder's Queries: We need to know the condition of cable burial, please provide the below data, if possible, please provide the section drawing of the cable burial. - Soil thermal resistivity °C-cm/W - Ground temperature °C - Air temperature °C - Burial depth M - Axial spacing between phase cables Mm	Shall be confirmed by contractor at execution

		- Axial spacing between circuits Mm - Type of earth bonding.	
39	Price Schedule: Extension of 132kV GIS bays at 132/33 kV Substation at Purbasadipur/11M1/i. Outdoor gantry foundation 230kV switchyard	Description: In This Price Schedule Gantry Foundation is for 230KV Gantry. But Supply is 132KV Gantry Tower. Bidder's Queries: Please Confirm which type of gantry foundation bidder's should considered.	Please follow the bidding document
40	General/Site visit/Proposed Domar Substation	Description: There are two 11kV lines in the substation area. Bidder's Queries: Bidder's understanding is the 11kV lines will be relocated by the owner. please clarify whether the transformation of the line is included in the scope of this project.	Not included in scope of work
41	Layout Coordinate/Proposed Jhalokathi 123/33 KV GIS Substation	Description: According to the layout coordinate we have visited the site. But the locals told us that this land is not belongs to the employer. They have shown us another location and we visited that one also. That site have PGCB Sign Board. Bidder's Queries: Please Confirm the exact location and provide the exact coordinate in layout.	For exact location please visit respective project Office PGCB
42	Price Schedule: 2C, 3C, 4C, 5C, 6C, 7C	Description: Price Schedule Bidder's Queries: As per Tender document & Price Schedule, the quantity of 33kV Structure is not mentioned clearly. As per our understanding, we need to consider 33kV Gantry structure & column only for incomer & Bus section DS, not for outgoing feeders. Please clarify our understanding & revise the price schedule if required.	33kV Gantry structure shall be as per tender layout drawing with bus bur provision for future outgoing feeder
43	Price Schedule: 2C, 3C, 4C, 5C, 6C, 7C and Single Line Diagram	Description: Price Schedule Bidder's Queries: As per Tender drawing & Price Schedule, 33kV PT quantity don't match. As per the price schedule quantity, Bus PT didn't consider in the scope. 33kV PT for 33KV Incomer feeder need to be provided. Please clarify our understanding & revise the price schedule if required..	Please follow the bidding document

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44	Volume 3 / Schedule A: Scope of Works / Item No. IC4, 2C4, 3C4, 4C4, 5C4, 6C3, 7C4 & Price Schedule & Volume 3 / Guaranteed Technical Particulars / 33kV Current Transformers	Description: Requirement - single-phase, 4-core, multi ratio, 36kV, 31.5kA/1sec, 50Hz, 170kVp BIL, post type current transformer. Price Schedule - Current transformer 36 kV, 31.5kA/1s, 50Hz, 170/70 kV BIL, single phase, 4-core, post type. Guaranteed Technical Particulars - 33kV Current Transformers - Item No. 2.8, 2.9, 2.10 and 2.12. Bidder's Queries: In scope of works and Price Schedule, the 33kV Current Transformer requirement is for 4 core but in GTP the requirement is for 3 core. Please Clarify.	As per price schedule & the schedule A
45	Volume 3 / Guaranteed Technical Particulars / 33/0.415 kV 200 or 300kVA, Dyn11, Auxiliary Transformer	Description: 33/0.415 kV 200 or 300kVA, Dyn11, Auxiliary Transformer 5.1.6 - Rated Current - A - ≥ 100 5.1.7 - Rated Short Circuit Current - kA, 1s - 31.5 Bidder's Queries: Normally, rated short circuit current is 25 times greater than the rated current. But here, the requirement 31.5kA (Rated Short Circuit Current) does not match with 100A (Rated Current). Please clarify.	Rated capacity in Guaranteed Technical Particulars is $\geq 100A$. So follow the IEC standard filling the rated capacity considering SC 31.5KA
46	Section 2 - Bid Data Sheet / Clause No. ITB 22.1	Description: In addition to the original of the bid, the number of copies is: 2 (two) hard copies and 2 (two) electronic copies. Bidder's Query: In case of tender document issue by PGB PLC, do we need to consider 2 (two) hard copies of tender document for submission. Please Clarify.	Hard copies of tender document provided by Power Grid are not required.
47	Volume 2 of 3 Volume 3 of 3 3. HV SWITCHGEAR AND OUTDOOR EQUIPMENT	The parameters of CT and PT in pages 157 and 163 of Volume 2: Technical Specifications for Switchgear are not consistent with those in Volume 3: Schedule E: Technical Particulars and Guarantees for GIS switchgear. Please confirm that the requirement of Schedule E: Technical Particulars and Guarantees shall prevail.	Please follow the bidding document.
48	Schedule E: Technical Particulars and Guarantees Volume 2 of 3 Volume 3 of 3 Technical Specifications	The bidder understands that in case of conflict between Technical specification of Vol 2 and Schedule E: Technical Particulars and Guarantees of Vol 3, the Schedule E: Technical Particulars and Guarantees shall prevail, please confirm.	In case of any discrepancy, Bidders shall specify the item & clarify during tender stage.

Schedule E: Technical Particulars and Guarantees		
49 Volume 1 Section 8: Special Conditions of Contract SCC 10.2 The Employer shall be responsible for acquiring and providing legal and physical possession of the Site and access thereto, and for providing possession of and access to all other areas reasonably required for the proper execution of the Contract, as specified in the Appendix (Scope of Works and Supply by the Employer) to the Contract Agreement. The Employer shall give full possession of and access thereto on or before the date(s) specified in that Appendix. SCC 8.1 The Contractor shall commence work on the FACILITIES within 30 (thirty) days from the Effective Date for determining Time for Completion as specified in the CONTRACT AGREEMENT. SCC 8.2 The Time for Completion of the whole of the facilities shall be 900 (nine hundred) days from the Effective Date as described in the Contract Agreement.	Although SCC 10.2, SCC 8.1 and SCC 8.2 clearly state that it is the owner's obligation to acquire land and obtain site access rights, the specific time for site handover is not clear. Since the start date and construction period are both calculated from the effective date, site handover is not a condition for starting construction. Please clarify the specific time for site handover or the site handover plan.	Please follow the condition of effective date in the bid document.

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50	CA 3.1 Effective Date (Reference GCC Clause 1) The Effective Date upon which the period until the Time for Completion of the Facilities shall be counted from is the date when all of the following conditions have been fulfilled: (a) This Contract of Agreement has been duly executed for and on behalf of the Employer and the Contractor. (b) The Contractor has submitted to the Employer the performance security and the advance payment guarantee. (c) The Employer has paid the Contractor the advance payment...	The Bidder suggests the following conditions of Effective Date: (a) This Contract of Agreement has been duly executed for and on behalf of the Employer and the Contractor. (b) The Contractor has submitted to the Employer the performance security and the advance payment guarantee. (c) The Employer has paid the Contractor the advance payment... (d) The Contractor has been advised that the documentary credit referred to in Article 2.2 above has been issued in its favor.	Please follow the bid documents.
51	Tender Volume-3 of 3 Schedule A-Scope of work 1.3.1 New 230/33kV Bhola GIS Substation	This new 230/33kV substation has 4 lines coming from existing "Barishal-1,2 & Bhola P/P-1,2". What's the relay used in the remote end of these lines? Also, their line length is required. Please Clarify these.	Bidders are deemed to have visited the existing substation & existing lines.
52	Tender Volume-3 of 3 Schedule A-Scope of work 1.3.3 New 132/33kV Pirojpur GIS Substation	This new 132/33kV substation also has 2 lines coming from existing "Bagerhat-1/2". What's the relay used in the remote end of these lines?? Also, their line length is required. Please Clarify these.	Bidders are deemed to have visited the existing substation & existing lines.
53	Tender Volume-3 of 3 Schedule A-Scope of work 1.3.4	This new 132/33kV substation has 4 lines coming from existing "Madaripur-1,2 & Faridpur-1,2". What's the relay used in the remote end of these lines? Also, their line length is required.	Bidders are deemed to have visited the existing substation & existing lines.

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	New 132/33kV Bhangra GIS Substation	Please Clarify these.	
54	Tender Volume-3 of 3 Schedule A-Scope of work 1.3.5 New 132/33kV Jhalokati GIS Substation	This new 132/33kV substation has 2 lines coming from existing "BARISHAL-1,2". What's the relay used in the remote end of these lines ? Also, their line length is required. Please Clarify these.	Bidders are deemed to have visited the existing substation & existing lines.
		Again, This new 132/33kV substation also has 2 lines coming from new "Bhandaria-1,2". What's the relay used in the remote end of these lines ? Also, their line length is required. Please Clarify these.	
55	Tender Volume-3 of 3 Schedule A-Scope of work 1.3.8 Existing 132/33kV Patniola GIS Substation	As, this is an Existing Substation, What's the existing Busbar Protection Arrangement in the existing system ?? For, SAS Integration of the new bays, what's the existing SAS System installed?? Please Clarify these.	Bidders are deemed to have visited the existing substation.
56	Tender Volume-3 of 3 Schedule A-Scope of work 1.3.9 Existing 132/33kV Niyamatpur GIS Substation	As, this is an Existing Substation, What's the existing Busbar Protection Arrangement in the existing system ?? Please Clarify These.	Bidders are deemed to have visited the existing substation.
57	Tender Volume-3 of 3 Schedule A-Scope of work 1.3.10 Existing 400/230/132kV Gopalganj GIS Substation	As, this is an Existing Substation, What's the existing Busbar Protection Arrangement in the existing system ?? For, SAS Integration of the new bays, what's the existing SAS System installed ?? Also for DFDR Modification, what's the existing DFDR System installed ? Please Clarify These	Bidders are deemed to have visited the existing substation.
58	Tender Volume-3 of 3 Schedule A-Scope of work 1.3.11 Existing 132/33kV Purbasadipur GIS Substation	As, this is an Existing Substation, What's the existing Busbar Protection Arrangement in the existing system ?? For, SAS Integration of the new bays, what's the existing SAS System installed?? Also for DFDR Modification, what's the existing DFDR System installed?	Bidders are deemed to have visited the existing substation.

    

		Please Clarify These	
59	Price Scedule_P8_Final_28.07.2024 Fibre Optic Multiplexer Equipment and PLC Equipment for new substations : One (1) lot of Fibre optic multiplexer equipment at local and remote end substation with necessary works to interface with with existing system	Kindly provide the brand and type information of the communication system of the remote end substation for each new substation.	Bidders are deemed to have visited the existing substation.
60	Price Scedule_P8_Final_28.07.2024 Fibre Optic Multiplexer Equipment and PLC Equipment for extension substation	Kindly provide the brand and type information of existing communication system for each extension substation,	Bidders are deemed to have visited the existing substation.
61	Volume 3 of 3 Schedule E: Technical Particulars and Guarantees 4.2 Technical Data Schedule 4.2.11 Others	Please clarify the minimum requirements for equipment in 4.2.11 Others , so that the manufacturers can fill in the Technical data sheet and provide the quotation.	Bidders are requested to fill up the GTP as per volume 2, volume 3, schedule A & IEC standards
62	Volume I Section 6: Employers Requirements 1.3 Type Test Requirements	We understand that if the bidder provides a type test report with a higher specification (voltage, capacity) , then the type tests of such equipment will be exempted during the contract execution. Please confirm our understanding.	Your understanding is correct.
63	Price Scedule_P8_Final_28.07.2024 Schedule B4 IM1 (a)Complete Compacted Land development with carried/dredged earth/sand filling	The filling volume of the remaining six newly constructed substations has been given. There is no corresponding data for Bhola substation. Please provide.	Please follow the addendum.

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64	Volume-2 single line diagram-Hatibandha 1.1 System Electrical Parameters in Volume-2 P739	In Volume-3, project scope and BOQ, there are two complete 33kV AIS Bays built in this period. In SLD, 33kV AIS BAY is out of scope. Please clarify.	33kV Gantry structure shall be as per tender layout drawing with busbar provision for future outgoing feeder
65	Volume-2 single line diagram-Hatibandha 1.1 System Electrical Parameters in Volume-2 P739	In the Volume-3 project scope, there are two transformers in this period, and one transformer in the SLD in this period, but there are four transformers in the General layout, please clarify which one shall prevail	As per price schedule & schedule A
66	Volume-2 single line diagram-Hatibandha 1.1 System Electrical Parameters in Volume-2 P739	The 132kV double bus cable contains one bus section and one bus coupler. If it needs to add a bus coupler on the other side of the bus section?	Please follow the bidding document
67	Volume-2 single line diagram-Patniola	The parameter of the 132kV AIS equipment in the single line diagram is different from BOQ, Please confirm.	As per price schedule & schedule A
68	Volume-2 electrical general layout- Patniola	The expansion location on the electrical general layout is different from on-site situation, Please confirm.	Expansion location shall be finalized during execution as per existing substation situation
69	Volume-2 single line diagram-Gopalganj 1.1 System Electrical Parameters in Volume-2	The rated symmetrical short-circuit current in the single line diagram and BOQ is different from 1.1 System Electrical Parameters in Volume-2. Please confirm.	As per price schedule & schedule A
70	Volume-2 electrical general layout- Gopalganj	The expansion location on the electrical general layout is different from on-site situation, Please confirm.	Expansion location shall be finalized during execution as per existing substation situation
71	Volume-2 electrical general layout- Bhandaria	This substation needs to expand two line bays, which means two frames are needed. According to the electrical general layout, there is no space to build two frames.	Please follow the bidding document
72		Please provide the name of the 132kV GIS manufacturer of Purbasadiipur substation.	Bidders are deemed to have visited the existing site.





73	Primary electrical information of built substations	We want to know Patnitala\Niyamatpur\Gopalganj\Puraba sadipur\Bhandaria these substations the following information :Primary electrical-1. Installation of 132kV equipment,2. 0.415kV auxiliary power system,3. Cable laying drawing,4. Lightning protection drawing. We would like to refer to the above information to maintain consistency with the existing substations, please share us these documents.	Bidders are deemed to have visited the existing site.
74	Volume 3 of 3, Item 3.1 Insulator Material	The composite insulator is much more expensive and lead time will be much longer, so can porcelain insulator be acceptable?	Please follow the requirement of Bid Document.
75	Price Schedule Fire Fighting system for GIS Hall & Control Room	What are the details of the fire protection system? Whether it includes indoor hose system, gas extinguishing and fire extinguisher? Whether the fire protection system requires certification UL/FM?	Please follow the bidding document. UL/FM certification is required.
76	Tender Volume-3 of 3 Schedule A-Scope of work 1.3.1 & Price Schedule	Description: New 230/33kV Bhola GIS Substation Price Schedule - 1) 230kV CP & RP, 2) Metering Panels (230kV & 33kV), 3) 33kV CRP, 4) SAS, 5) DFDR Bidder's Query: This new 230/33kV substation has 4 lines coming from existing "Barishal-1,2 & Bhola P/P-1,2". What's the relay used in the remote end of these lines? Also, their line length is required. Please Confirm these.	Bidders are deemed to have visited the existing substation & existing lines.
77	Tender Volume-3 of 3 Schedule A-Scope of work 1.3.3 & Price Schedule	Description: New 132/33kV Pirojpur GIS Substation Price Schedule - 1) 132kV CRP, 2) Metering Panels (132kV & 33kV), 3) 33kV CRP, 4) SAS Bidder's Query: This new 132/33kV substation also has 2 lines coming from existing "Bagerhat-1/2". What's the relay used in the remote end of these lines?? Also, their line length is required. Please Confirm these.	Bidders are deemed to have visited the existing substation & existing lines.
78	Tender Volume-3 of 3 Schedule A-Scope of work	Description: New 132/33kV Bhanga GIS Substation	Bidders are deemed to have visited the existing

1.3.4 & Price Schedule	Price Schedule - 1) 132kV CRP, 2) Metering Panels (132kV & 33kV), 3) 33kV CRP, 4) SAS Bidder's Query: This new 132/33kV substation has 4 lines coming from existing "Madaripur-1,2 & Faridpur-1,2". What's the relay used in the remote end of these lines? Also, their line length is required. Please Confirm these.	substation & existing lines.
79 Tender Volume-3 of 3 Schedule A-Scope of work 1.3.5 & Price Schedule	Description: New 132/33kV Jhalokati GIS Substation Price Schedule - 1) 132kV CRP, 2) Metering Panels (132kV & 33kV), 3) 33kV CRP, 4) SAS Bidder's Query: This new 132/33kV substation has 2 lines coming from existing "BARISHAL-1,2" and 2 lines coming from new "Bhandaria-1,2". What's the relay used in the remote end of these lines? Also, their line length is required. Please Confirm these.	Bidders are deemed to have visited the existing substation & existing lines.
80 Tender Volume-3 of 3 Schedule A-Scope of work 1.3.8 and Price Schedule	Description: Existing 132/33kV Patnitola GIS Substation Price Schedule - 1) 132kV CRP, 2) Busbar Protection System Modification/Extension, 3) Metering Panels (132kV), 4) SAS Modification/Extension. Bidder's Query: As, this is an Existing Substation, What is the existing Busbar Protection Arrangement in the existing system? For, SAS Integration of the new bays, what's the existing SAS System installed? Please Clarify.	Bidders are deemed to have visited the existing substation & existing lines. For busbar protection please see Addendum-1
81 Tender Volume-3 of 3 Schedule A-Scope of work 1.3.9 and Price Schedule	Description: Existing 132/33kV Niyamatpur GIS Substation Price Schedule - 1) 132kV CRP, 2) Busbar Protection System Modification/Extension, 3) Metering Panels (132kV), Bidder's Query:	Bidders are deemed to have visited the existing substation & existing lines.

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		As, this is an Existing Substation, What's the existing Busbar Protection Arrangement in the existing system? Please Clarify.	
82	Tender Volume-3 of 3 Schedule A-Scope of work 1.3.10 and Price Schedule	Description: Existing 400/230/132kV Gopalganj GIS Substation Price Schedule - 1) 132kV CRP, 2) Busbar Protection System Modification/Extension, 3) Metering Panels (132kV), 4) SAS Modification/Extension, 5) DFDR Modification/Extension. Bidder's Query: As, this is an Existing Substation, What's the existing Busbar Protection Arrangement in the existing system? For, SAS Integration of the new bays, what's the existing SAS System installed? Also for DFDR Modification, what's the existing DFDR System installed? Please Clarify.	Bidders are deemed to have visited the existing substation & existing lines.
83	Tender Volume-3 of 3 Schedule A-Scope of work 1.3.11 and Price Schedule	Description: Existing 132/33kV Purbasadiapur GIS Substation Price Schedule - 1) 132kV CRP, 2) Busbar Protection System Modification/Extension, 3) Metering Panels (132kV), 4) SAS Modification/Extension, 5) DFDR Modification/Extension. Bidder's Query: As, this is an Existing Substation, What's the existing Busbar Protection Arrangement in the existing system? For, SAS Integration of the new bays, what's the existing SAS System installed? Also for DFDR Modification, what's the existing DFDR System installed? Please Clarify.	Bidders are deemed to have visited the existing substation & existing lines.
84	Tender Volume-3 of 3 / Schedule A-Scope of work and Tender Volume-3 of 3 / 4.2 Technical Data Schedule / 4.2.2 Part 2: GIS Switchgear	Description: Scope of Works - 132kV and 230kV GIS BOQ (CT & PT Parameters) Technical data Schedule - 4.2.2 Part 2: GIS Switchgear - GIS Switchgear 230kV & 132kV Bidder's Query:	In case of any discrepancy, Please specify the parameter.

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		It was found that the CT/PT parameters in the scope of works of 132kV and 230kV GIS, do not match with the parameters in the GTP. Please clarify which one should we follow.	
85	Tender Volume 2 of 3 / 18.19 APPENDIX A: TECHNICAL DATASHEET & ALLOY MATERIALS and 5.30 Energy Meter (Tariff Metering)	Description: APPENDIX A: TECHNICAL DATASHEET & ALLOY MATERIALS A1: TECHNICAL A2: ALLOY PROPERTIES A3: ALLOY COMPOSITION- A4: Alloy 5.30 Energy Meter (Tariff Metering) Bidder's Query: There are few technical data sheet in volume 2 for ACCC Conductor and Energy Meter. As per our understanding we have to only follow and fillup technical data schedule mentioned in volume 3. Please confirm our understanding is correct.	Please follow the bidding document
86	Tender Volume 1 of 3 / Section 4: Bidding Forms	Description: Form ELI - 2: Joint Venture Information Sheet Each member of the Joint Venture must fill out this form separately. Subcontractor must fill out this form. Subcontractors are those listed in Technical Proposal – Proposed Subcontractors and/or Manufacturers for Major Items of Plant and Services. Bidder's Query: As per our understanding this form "Form ELI - 2: Joint Venture Information Sheet", is only for Joint Venture Partners, not for any subcontractor or manufacturer. There is another form in Volume 3 specially for subcontractors named "Schedule F: Proposed Subcontractors". Please confirm our understanding is correct.	Your understanding is correct.
87	Tender Volume 1 of 3 / Section 4: Bidding Forms / Proposed Subcontractors and/or Manufacturers for Major Items of Plant and	Description: Volume 1 - Section 4: Bidding Forms - Proposed Subcontractors and/or Manufacturers for Major Items of Plant and Services Volume 3 - 4. Schedule D: Manufacturers, Places of Manufacture and Testing	Please consider both.

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Services and Volume 3 of 3 / 4. Schedule D: Manufacturers, Places of Manufacture and Testing	Bidder's Query: We are considering "Schedule D: Manufacturers, Places of Manufacture and Testing". Do we still need to consider Proposed Subcontractors and/or Manufacturers for Major Items of Plant and Services in volume 1. Please clarify.	
88 Tender Volume 1 of 3 / Section 3: Evaluation and Qualification Criteria / 1.3.4 Functional Guarantees of the Facilities and Tender Volume 1 of 3 / Section 4: Bidding Forms / Functional Guarantee of the Proposed Facilities	Description: Section 3: Evaluation and Qualification Criteria / 1.3.4 Functional Guarantees of the Facilities Section 4: Bidding Forms - Functional Guarantee of the Proposed Facilities - Not Applicable Bidder's Query: For Functional Guarantee of the Proposed Facilities there are some requirements in section 3 but in section 4 it is written Not Applicable. Please clarify.	Please follow functional guarantee Section, Section-9 of Volume-1.
89 Volume -3 / 1.3.1 Technical Requirements for New 230/33kV Bholia GIS substation/1M.2	Description: One (1) lot of complete design, supply and construction of all civil items and facilities including all necessary for one new three storied control building including cable basement including foundation works, super structure works, finishing works like rendering, painting, water supply, sanitary, floor finishing, rain water drainage system, lightning protection, etc. The new 230 kV GIS building has to be with cable basement, but no full cable basement is required. Generally, the cable basement will be only for primary and secondary cables. The height of the cable basement should be 3 (three) meters. On the first floor, the 230 kV switchgear shall be installed, as well as all necessary facilities, including motorized crane and space for HV testing equipment and SF6 gas treatment plant. The building shall have a size of approximately 40x 15 meters. The height of the GIS hall & building will be finalized during detail design stage. Bidder's Queries: But in the tender drawing the 230kV GIS building size is shown as 40m X 12m. Please Confirm the actual size of the GIS building.	Please refer to Addendum-1

90	Site visit/Extension of 132kV GIS bays at 132/33 kV Substation at Purbasadipur	Description: As per our site visit the proposed location of the 230kV gantry foundation has a live capacitor bank and a sentry post. These should be removed from the location to construct the gantry foundation. Bidder's Queries: Please clarify who will be responsible for the dismantling and reconstruction of the capacitor and the sentry post.	Please refer to Addendum-1
91	Volume -3 / 1.3.2 Technical Requirements for New 132/33 KV substation/ 2M.2	Description: One (1) lot of complete design, supply and construction of all civil items and facilities including all necessary for one new three storied control building including cable basement including foundation works, super structure works, finishing works like rendering, painting, water supply, sanitary, floor finishing, rain water drainage system, lightning protection, etc. The new 132 kV GIS building has to be with cable basement, but no full cable basement is required. Generally, the cable basement will be only for primary and secondary cables. The height of the cable basement should be 3 (three) meters. On the first floor, 132 kV switchgear shall be installed as well as all necessary facilities, including motorized crane and space for HV testing equipment and SF6 gas treatment plant. The building shall have a size of approximately 36x 12 meters. The height of the GIS hall & building will be finalized during detail design stage. Bidder's Queries: But in the tender drawing the 132kV GIS building size is shown as 44.5m X 11m. Please Confirm the actual size of the GIS building.	Please refer to Addendum-1
92	Price Schedule/Schedule-B4 / New 230/33 kV Substation at BHOLA /1M.2	Description: Complete civil works for 1 (one) No 230kV GIS Hall and 1 (one) Nos three storied Operation & Panel Room Bidder's Queries: The bidder's understanding is that One three-storied GIS cum control building should be constructed which ground floor will be the cable cellar floor, 1st floor will	three storied control building with cable basement, GIS floor & control room

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		be the GIS floor and 2nd floor will be the Control floor. No separate building is required for the control floor. Please Confirm our understanding.	
93	Price Schedule/Schedule-B4 /All New 132/33 kV Substations /2M.2,3M.2,4M.2,5M.2,6M.2,7 M.2	Description: Complete civil works for 1 (one) No 132kV GIS Hall and 1 (one) Nos three storied Operation & Panel Room Bidder's Queries: The bidder's understanding is that One three-storied GIS cum control building should be constructed which ground floor will be the cable cellar floor, 1st floor will be the GIS floor and 2nd floor will be the Control floor. No separate building is required for the control floor. Please Confirm our understanding.	three storied control building with cable basement, GIS floor & control room
94	Site visit/Extension of 132kV GIS bays at 400/230/132 kV Substation at Gopalganj	Description: As per our site visit the proposed location of the 230KV gantry foundation has a Site office. These should be removed from the location to construct the gantry foundation. Bidder's Queries: Please clarify who will be responsible for the dismantling and reconstruction of the Site office.	Please refer to clause 1.2, schedule A of Volume 3 of 3
95	Price Schedule/Schedule-B4 /Extension of 132kV AIS bays at 132/33 kV Substation at Gopalganj /10M1[xix(b)]	Description: Power Cable Trench: 1 Lot Bidder's Queries: 132kV Power Cable length of Gopalganj Substation is approximately 325 meter. For laying this 132kV power cable, we consider Buried type. Please confirm us that buried type is okay or we need to consider RCC cable trench for laying 132kV power cable.	Please follow the bidding document
96	Price Schedule/Schedule-B1 /New 230/33 kV Substation at BHOLA /1H.2 and Volume-3/Schedule-E /Technical Particulars and Guarantees/4.2.7/HV & LV Cable(230kV Power Cable)	Description: 245kV, 50 kA / 1 sec, 1000A cu cables XLPE power cable for connection Bidder's Queries: As per price schedule, 230kV XLPE power cable current rating is 1000A but in GTP nominal current rating is mentioned 2000A. Please Confirm us which one we need to follow & revise the document accordingly.	Please refer to Addendum-1

97	Price Schedule/Schedule-B1 /All 132/33 kV Substations/6H.2, 7H.2, 9H.2, 10H.2, 11H.2, 12H.2 and Volume-3/Schedule-E /Technical Particulars and Guarantees/4.2.7/HV & LV Cable(132kV Power Cable)	Description: 145KV XLPE cables with corresponding GIS connections and cable end terminals, with all required equipment; 145 kV, 1600 A, 40 kA / 1 sec, 50 Hz, for connection of one 145 kV bay. Bidder's Queries: As per price schedule, 132kV XLPE power cable current rating is 1600A but in GTP nominal current rating is mentioned 1200A. Please Confirm us which one we need to follow & revise the document accordingly.	Please refer to Addendum-1
98	Price Schedule Civil Works related to CAF system	The CAF system uses integrated equipment for outdoor installation, or needs to be set up in the room	Please follow the bidding document
99	Volume-3 1.3.2 Technical Requirements for New 132/33KV Hatibandha GIS substation	So the work for the two new bays is at remote end Domar Substation? Please specify and provide more information, because this scope of work for the two new bays at Domar Substation is not in BOQ. New 132/33KV Hatibandha GIS substation <u>Description of Works:</u> The Hatibandha 132/33KV substation is a new substation at Hatibandha upazilla at lalmonihat disl under this project of PGCB which shall be connected to 132/33KV Domar grid substation by Dor Hatibandha double circuit 132kV line at Hatibandha (using single groseback equivalent ACCC conduct with an approximate length of 35 km with 850m testa river crossing). Under this project, the scope of work includes two 132KV transformer bays for two(02) 132/33 80/120MVA transformer, two (02) 33KV incomer bays, four (04) line bays for Domar bay I & II and sp bay I & II. The busbar scheme for 132kV system is double busbar scheme. The scope of work also includes design, supply, delivery, installation, testing & commissioning of two r bays with extension of associated control, automation, protection, fibre optic multiplexer equipment communication & protection, and civil works.	Please refer to Addendum-1
100	Volume 3 of 3, Item 3.1 Insulator Material	The composite insulator is much more expensive and lead time will be much longer, so can porcelain insulator be acceptable?	Please refer to Addendum-1.

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