

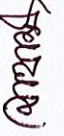
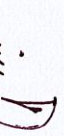
POWER GRID BANGLADESH PLC Clarification No.02, Date January 22, 2025 Design, Supply, Installation, Testing & Commissioning of 400/230/132 kV AIS Substation at Pekua and associated single /double circuit 400kV/230kV/132kV LILO Lines on turnkey basis(Package-1) (CONTRACT NO: POWERGRID/ADB/400kV/PEKUA/PTSIREP/PACKAGE-1/Re-Tender, Date: 03.12.2024) Pre-bid meeting was held on 26th December, 2024 as per clause 7.4 of Instruction to Bidders of Volume 1 of 3 of the Bidding document.Clarification-1 was issued on January 13,2025. Some queries were received from the prospective Bidders regarding the Bidding Documents after issuing clarification-1 . Clarifications on the above mentioned queries are given below, which will form part of the bidding documents.						
Serial No.	Volume	Section/Clause No.	Clause Description	Bidder's Query	Reply from Power Grid	Addendum Yes(Y)/No(N)
1	Volume 1	Section 9: Contract Forms / Appendix 3: Insurance Requirements	(A) Types of Insurance to Be Taken Out by the Contractor	Bidder's understanding is that, for all types of insurance required in this bidding, the bidder can issue all types of insurance from any reputable insurance company in Bangladesh. Please confirm bidder's understanding is correct.	Plase follow the bidding documents.	N
2	Volume 1	Section- 6 (Scope of supply of plant and services) Type Test Requirement (For Transmission Line Part) Insulators (insulator units & insulator sets):	Type Test Requirement (For Transmission Line Part) Insulators (insulator units & insulator sets)	As per mentioned tender clause, type test should be performed for the insulator units and insulator sets for all the offered types. As per Price schedule the offered types of insulator sets are separately mentioned (BoQ 400kV TL item 3.1.1 to 3.1.6, For 230kV TL item 3.1.1 to 3.1.5 & For 132kV TL item 5.1.1 to 5.5) We understand that the test report requirement as per Volume-2 (TL part) Clause 9.6.2 (i and ii) will be applicable for each of the offered types of insulator sets as per BoQ and separate test must be performed for each offered types of insulator sets. Kindly confirm us the issue in return. In Addition, the tender requirement as 9.6 (ii) "If the type tests for insulator sets are not available as offered combination of insulator & fitting manufacturer (except low duty sets) with proposed design, the tests shall be performed in laboratories mentioned in Clause 9.6.2 (i) during execution stage in presence of Employer"s Engineers. Cost of such test shall deem to be included in the Contract Price." Shall also be applicable for all the offered type of insulator sets as per BoQ. Kindly confirm us the issue in return.	Type tests of insulator sets are required for offered combination of insulator & fittings (except upright low duty and inverted low duty sets) for all voltage levels as per requirement of bidding documents.	N
3	Volume 1	Price Schedule / Schedule 1D: Plant and Mandatory Spare Parts Supplied from Abroad / Mandatory Spare parts including Maintenance and Test Equipmen	Mandatory Spare parts including Maintenance and Test Equipment 145 kV SWITCHGEAR 13. Complete SF6 gas, livetank type 145kV/Circuit Breaker (single-pole operation type) 14. Complete 145 kV disconnecter switch	For 145kV SF6 Circuit Breaker and 145kV Disconnecter Switch, the current rating is not provided. Please share the current ratings of these 2 items.	The current ratings for the CB & DS shall be same as approved/supplied for this project under supply scope (with maximum ratings of them). Moreover, the List of Mandatory Spare parts including Maintenance and Test Equipment stated in the Volume-1 of tender document (price schedule) has been updated and attached in the Addendum-02.	Y






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Serial No.	Volume	Section/Clause No.	Clause Description	Bidder's Query	Reply from Power Grid	Addendum Yes(Y)/No(N)
4	Volume 2 of 3 SS	Drawings / 19.PG/ADB/OPT & Volume 03 of 03 SS/ GTP / 4.3 110V BATTERY CHARGE	In Drawing - 2 nos x 75 A Battery Chargers (European/European Standard) In GTP - SI No. 1.5 - Standards - IEC	As per the drawing it is mentioned to follow European/ European Standard. Does it mean the bidder needs to supply the Battery Charger of European origin? Moreover, as per the GTP, it is mentioned IEC standard. Please clarify which one the bidder needs to follow. Pekua 400/230/132 KV SS - 3 nos x IP Phones (Cisco 88** Series) - 3 nos x SIP based Phones - 2 nos x 48V, 250AH Ni-Cad Battery sets - 2 nos x 75 A Battery Chargers (European/European Standard)	Please follow the GTP of Batteries. Proposed Optical Communication Scheme for Pekua 400/230/132 KV SS has been updated and attached in the Addendum-02.	Y
5	Volume 2 of 3 SS			As per the layout different colour used for the representation of layout but which one is define the present scope of works as per colour code? Please confirm the present scope of work by specify the colour code for present scope.	Layout drawing (including scope of work and color) has been updated and attached in the Addendum-01.	N
6	Volume 2 of 3 SS			As per site visit bidders found that the substation location is very nearby to the Sea and as per price schedule one/two side is protected by gravity wall (by brick wall). Please confirm the gravity wall will resist the saline water chemical impact for sustain in a longer periods?	Gravity walls are excluded from the scope. Please See the Addendum-1.	N
7	Volume 2 of 3 SS			Due to Saline water availability at the substation location bidders need to be considered special kind of construction methodology like cement type, RCC type or any kind of special requirement by the employers. Please confirm in details if any?	PCC with high slag content or Sulphate-resisting cement (SRC) is mandatory for all substructures, and PCC or OPC to be used for superstructures.	N
8	Volume 2 of 3 SS			In layout 520 MVA transformer have shown 2 nos. blast wall but in 300 MVA have not shown any blast wall. Please confirm the blast wall in layout?	The tender SLD and Layout are preliminary and indicative only for bidding purpose in case of determining BoQ. Particular requirements (BoQ) under this project scope shall be as per Schedule-A (scope of work) and Schedule-B (price schedule). Number of blast walls are mentioned in the price schedule, please go through the same.	N
9	Volume 2 of 3 SS			In layout not shown the Main Gate location; Please confirm the gate position?	Beside the Guard House. Please see the latest layout released along with Addendum-1.	N



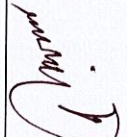






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Serial No.	Volume	Section/Clause No.	Clause Description	Bidder's Query	Reply from Power Grid	Addendum Yes(Y)/No(N)
10	Volume 2 of 3 SS			Transformer fire fighting system need to be considered any additional pump house and reservoir. What is the capacity for the reservoir and pump? Please confirm?	Yes. Pump house and Reservoir are required. Please follow the scope of work along with the technical specifications/requirements stated in the bid documents properly for the information related to the WSS system claculation and capacity determination. Detail design will be finalized during execution stage upon employer's approval.	N
11	Volume 2 of 3 SS			Approach road quantity is mentioned only 20 m in price schedule but bidders understanding is that within 20 meters cannot cover the slope ratio to enter the site as per the height of the substation level from the nearby public road. Please confirm the length of approach road?	This is the tentative quantity. Final quantity will be fixed by the EPC engineering.	N
12	Volume 2 of 3 TL		Anowara- Cox's Bazar TL	As per site visit bidders found that no any 230kV Transmission line is available at the adjacent of the Pekua substation; will be ready 230kV Transmission line before confirm the new contract. Please confirm the 230 kV Transmission line status?	230kV Anowara-Cox'sBazar Transmission line will be constructed under another project. The Contract of that project has been signed on 21.01.2025.Tentative route for LILO has been provided as tender route with the bid documents.Final route will be selected during execution stage.	N
13	Volume 3	Schedule A, Section 1, 1A	420 kV Air Insulated Switchgear (AIS) The 420kV AIS shall comply with the particular requirements as detailed in the Schedule of Technical Requirements included as Appendix A1 to this section and shall comprise the following:-	We couldn't find Appendix A1, request you to please provide.	Schedule of Technical Requirements included as Appendix A1 to this section for this project is likely to be meant for the GTP requirement in Schedule E of Volume-3 of Bid document.	N

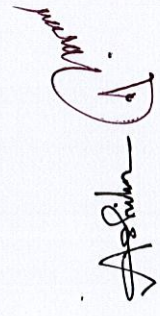








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Serial No.	Volume	Section/Clause No.	Clause Description	Bidder's Query Reply from Power Grid Addendum Yes(Y)/No(N)
14	Clarification 01 / SI No. 130		2. O&M Training for new substations For on-site instruction training, the contractor shall not be responsible for any costs for trainees except meal and the aforementioned onsite trainings shall have to be arranged at any Substation's respective local Grid Circle or GMD area with the consultation of Superintending Engineer, Grid Circle, PGCB. In "Schedule B4.2 Installation and Other Services" of the Price Schedule, cost of Local O&M Training are given as provisional sum. These costs are fixed ceiling and will be included in total price. But the payment shall be at actual upon submission of relevant document. Query - In Price Schedule B4.2, we didn't find any line item (provisional sum) for Local O&M Training. Please clarify. Reply from Employer - As per tender. Please carefully go through the bid document. Price Schedule 4D- page 6 Price Schedule 4D.1: Installation and Other Services	Actually the line item for Local O&M Training is provided in price schedule but as per the tender document (Volume 3 of 3 SS) the cost of Local O&M Training as provisional sum is not given in the price schedule. Please provide the cost for Local O&M Training as provisional sum. Local Training: On-site instruction by the manufacturer's engineer on operations and maintenance of the (i) HV equipment & transformers (ii) protection & Substation automation system (iii) four color multiplexer. Each program shall be arranged for a period of two(2) weeks and for fifteen(15) PGCB engineers. For on-site instruction training, the contractor shall not be responsible for any costs for trainees except meal and the aforementioned onsite trainings shall have to be arranged at any Substation's respective local Grid Circle or GMD area with the consultation of Superintending Engineer, Grid Circle, PGCB. In "Schedule B4.2 Installation and Other Services" of the Price Schedule, cost of Local O&M Training are given as provisional sum. These costs are fixed ceiling and will be included in total price. But the payment shall be at actual upon submission of relevant document. Respective clause in the Volume-3 of tender document (O&M training for new substations) has been updated and attached in the Addendum-02. Y




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Serial No.	Volume	Section/Clause No.	Clause Description	Bidder's Query
15	Clarification 01 / SI No. 131		3. Factory acceptance tests Query - Please share the details of FAT like how many engineers will go for FAT, for how many days, daily allowance of each engineer etc. Reply from Employer - Please follow the Clause No. 23:Test and Inspection, Section 7 - General Conditions of Contract, Volume 1 of 3 of the bidding document.	As per the GCC of Volume-1 of tender document, 23. Test and Inspection 23.1 The Contractor shall at its own expense carry out at the place of manufacture and/or on the Site all such tests and/or inspections of the Plant and any part of the Facilities as are specified in the Contract. 23.2 The Employer and the Project Manager or their designated representatives shall be entitled to attend the aforesaid test and/or inspection, provided that the Employer shall bear all costs and expenses incurred in connection with such attendance including, but not limited to, all traveling and board and lodging expenses. Moresover, the Respective clause in the Volume-3 of tender document (3 Factory acceptance tests) has been updated and attached in the Addendum-02.
				Y





