

POWER GRID BANGLADESH PLC

Design, Supply, Installation, Testing & Commissioning of Capacity enhancement and Capacitor Bank Installation with associated switchgear in existing grid substation (Package-2, Lot-1) (Contract No. POWERGRID/CEGSTL/SS/Package-2/Lot-1/Re-Tender)
Invitation for Bids No.: 27.21.0000.101.07.417.24.4059 dated July 30, 2024

CLARIFICATION NO. 2

Pre-bid meeting was held on August 20, 2024 as per clause 7.4 of Instruction to Bidders of Volume 1 of 3 of the Bidding document. Some queries have been received and to clarify those queries Clarification No. 2 is issued, which will form part of the bidding documents.

Volume 1 of 3

S.N.	Volume/Section	Reference and Queries of Prospective Bidders	Reply (Power Grid)	Addendum (Y/N)
1.	Volume 1 ' Section 3 / Clause No. 2.5 Personnel and Volume 3 / Schedule H - Proposed Contract and Site Organization	Description: 2.5 Personnel - Personnel Requirement is provided Schedule H - Proposed Contract and Site Organization - Another personnel Requirement is provided Bidder's Query: The personnel requirement in section 3 (Evaluation and Qualification Criteria) does not match with schedule H. As per our understanding we have to follow the Section 3, Evaluation and Qualification Criteria Requirement. Please confirm.	Bidders shall have to follow as mentioned in the Volume 1, Section 3, Clause No. 2.5: Personnel.	N

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Volume 3 of 3

S.N.	Volume/ Section	Reference and Queries of Prospective Bidders	Reply (Power Grid)	Addendum(Y/ N)
1.	Volume 3 / Clause No. 1.3.4 and SLD	Description: 1.3.4 New 132/33kV transformer at Bhasantek 132/33kV GIS Substation 4B1 - 145kV GIS Power Transformer Feeder Bay, comprises with: i) One (1) lot of 145kV, 2500A, 31.5kA/3s, single/three phase Enclosure double busbar ii) One (1) set of 145kV, 1250A, 31.5kA/3s, three phase, gang operated Circuit Breaker complete with spring operating mechanism iii) One (1) set of 145kV, 1250A, 31.5kA/3s, three phase busbar Disconnecter with earth switch, complete with motor operating mechanism iv) One (1) set of 145kV, 1250A, 31.5kA/3s, three phase busbar Disconnecter without earth switch, complete with motor operating mechanism v) One (1) set of 145kV, 31.5kA/3s, three phase Earth Switch complete with motor operating mechanism vi) Three (3) nos. of 145kV, 31.5kA/3s single phase, 5-core Current Transformer vii) Three (3) nos. of 145kV single phase, 2-core Voltage Transformer with externally operable Disconnecter and earth switch viii) Three (3) nos. of 120kV rated voltage, 96 kV(rms) continuous operating voltage at 50oC, 10kA nominal discharge current, 50Hz, Heavy duty station class, single phase outdoor type GIS surge arresters. ix) Three (3) nos. of Single phase GIS-to-Air bushing with all accessories for TR x) One (1) set of Local Control Cubicle	Please refer to Addendum-2.	Y

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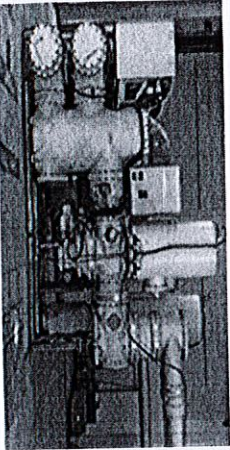
S.N.	Volume/ Section	Reference and Queries of Prospective Bidders	Reply (Power Grid)	Addendum(Y/ N)
		Drawing - SLD Bidder's Query: In the scope it is mentioned to supply GIS VT, but in the Tender SLD GIS VT is not indicated. Please note that VT is not available in the existing Transformer GIS bays. We would like to request you to inform us, VT is required or we should follow as per the existing configuration. Please clarify.		
2	Volume 3 / Clause No. 1.3.4	Description: 1.3.4 New 132/33kV transformer at Bhasantek 132/33kV GIS Substation 4H Power Cables, Cable Termination and GIL 132 kV Circuit 4H1 145kV Gas Insulated Line (GIL) for one (1) transformer feeders, single-phase/three phase enclosure, which consist of terminating chambers complete with support structure, etc. The length of the GIL shall be measured from VT. Moreover, the Length of GIL shall be considered 60m for bidding purpose. Actual payment shall be as per final design. The length given here is as single-phase length. Bidder's Query: The existing Siemens made GIS model is 8DN8-2, which is already phase out and SIEMENS is not having the regular production line. However, for meeting the customer demand globally, SIEMENS is having a special workshop to produce this. Siemens Energy wants to propose XLPE cable connection to GIS bay instead of GIB / GIL for the following reasons. • As per delivery schedule of SIEMENS German factory, it will not be possible to meet the project timeline due to challenge in production of GIB. • The new bay which will be installed adjacent to the existing bays, the existing civil arrangement is in such way (cable cut out) is already there. So, SIEMENS do not see any GIS floor modification needed to accommodate through XLPE cable connection. If SIEMENS go with	Please refer to Addendum-2.	Y



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S.N.	Volume/ Section	Reference and Queries of Prospective Bidders	Reply (Power Grid)	Addendum(Y/ N)
		GIB, then we foresee that the support structure of GIS involvement of civil modification works for accommodating the GIB. • Since this model's compatible GIB is a phase out product, so, the price of GIB is very high compared to XLPE cable. Photo below for reference.  So, considering the technical feasibility and economic viability, please accept XLPE cable connection instead of the GIB.		

