নর্দান ইলেকট্রিসিটি সাপ্লাই পিএলসি
Northern Electricity Supply PLC
(An Enterprise of Bangladesh Power Development Board)
Office of the Project Director
Network Infrastructure Development & Modernization of Power Distribution System in NESCO area
Meherchandi Bidyut Office, NESCO, Rajshahi.
www.nesco.gov.bd

Memo No. 27.29.0000.130.07.005.26-463 Date: 02-11-2026

Name of Project: "Northwest Distribution Network Modernization Project (Network Infrastructure Development & Modernization of Power Distribution System in NESCO area)"

Title of Contract: Lot 1: Design, Supply, Installation, Testing and Commissioning of 33 kV GIS Switching Substation at Rangpur.
Lot 2: Design, Supply, Installation, Testing and Commissioning of 33 kV GIS Switching Substation at Purbo Sadipur (Dinajpur).

Package No.: Package P-03-01 (GD3)

IFB No.: 27.29.0000.130.07.005.26-356, Date- 20/09/2026

Bid Bulletin No. 2

[Date of Issue- 02/11/2026]

NESCO, the Employer, advises bidders of the following **amendment(s) to the Bidding Document/ IFB captioned above.**

Sl. No.	Reference	Original Clause/Sub-Clause	Amended Clause/Sub-Clause/Item
1.	Section 3: Evaluation and Qualification Criteria- Sub Clause: 1.3.2, Average Annual Turnover (Page no- 33)	Minimum average annual turnover of Lot 1: USD 8.65 million Lot 2: USD 8.25 million calculated as total certified payments received for contracts in progress or completed, within the last three (3) years.	Minimum average annual turnover of Lot 1: USD 8.65 million Lot 2: USD 8.25 million calculated as total certified payments received for contracts in progress or completed, within the last five (5) years.
2.	Section 3: Evaluation and Qualification Criteria- Sub Clause: 2.1.4, Technical Scoring (Sl No- 1, Design Methodology) [Page no- 39,40]	**1.1 Technical Requirements for Gas Insulated Switchgear (GIS)** The bidder shall describe the specifications of the Gas Insulated Switchgear including the following criteria. Total 60% will be granted for the Gas Insulated Switchgear. Out of which for **Criteria A: Recommended Maintenance Interval** will be 20%. For **Criteria B: Number of Operations (CO) for Vacuum Interrupter at Rated Current Switching** will be 20%.	**1.1 Technical Requirements for Gas Insulated Switchgear (GIS)** The bidder shall describe the specifications of the Gas Insulated Switchgear including the following criteria. Total 60% will be granted for the Gas Insulated Switchgear. Out of which for **Criteria A: Recommended Maintenance Interval** will be 20%. For **Criteria B: Number of Operations (CO) for Vacuum Interrupter at Rated Current Switching** will be 20%.

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<tr><td></td><td></td><td>For Criteria C: Internal Arc Classification IAC AFLR for Busbar chamber, Breaker Chamber & Cable Chamber will be 20%

For Criteria A if bidder proposes equipment with recommended maintenance interval equal to 10 years, the score will be 70
For > 10 years to ≤ 12 years, the score will be 80
For > 12 years to < 15 years, the score will be 90
For 15 years & above, the score will be 100

For Criteria B if bidder proposes equipment with nos. of operation (CO) for Vacuum Interrupter at rated current switching equal to 10000 nos, the score will be 70
For > 10000 nos to ≤ 11000 nos, the score will be 80
For > 11000 nos to < 12000 nos, the score will be 90
For 12000 nos & above, the score will be 100

For Criteria C, if the bidder proposes equipment with Internal Arc Classification IAC AFLR for the Busbar Chamber, Breaker Chamber & Cable Chamber of ≥ 40 kA for 1s, the score will be 70
For > 1s to ≤ 2s, the score will be 80
For > 2s to < 3s, the score will be 90
For 3s & above, the score will be 100

Bidder Submission / Evidence Matrix:
<table><tr><th>Criteria</th><th>Bidder Must State</th><th>Minimum Supporting Evidence</th></tr><tr><td>Criteria A: Recommended Maintenance Interval</td><td>Years</td><td>OEM maintenance schedule/manual/ brochure; exact GIS model</td></tr><tr><td>Criteria B: Number of Operations (CO) for Vacuum Interrupter at Rated Current Switching</td><td>Number of CO operations</td><td>Type-test report and/or OEM technical document identifying applicable model</td></tr><tr><td>Criteria C: Internal</td><td>kA and seconds</td><td>Applicable type-test report</td></tr></table></td><td>For Criteria C: Internal Arc Classification IAC AFLR for Busbar chamber, Breaker Chamber & Cable Chamber will be 20%

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For Criteria B if bidder proposes equipment with nos. of operation (CO) for Vacuum Interrupter at rated current switching equal to 10000 nos, the score will be 70
For > 10000 nos to ≤ 11000 nos, the score will be 80
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Sl. No.	Reference	Original Clause/Sub-Clause	Amended Clause/Sub-Clause/Item
		Arc Classification IAC AFLR for Busbar chamber, Breaker Chamber & Cable Chamber | | identifying tested configuration/model	Arc Classification IAC AFLR for Busbar chamber, Breaker Chamber & Cable Chamber | | identifying tested configuration/model **N.B: If a Bidder submits more than one Manufacturer, the score of the lowest-scoring qualified Manufacturer shall be considered.**
3.	Section 3: Evaluation and Qualification Criteria- Sub Clause: 1.4.1(b), Similar Nature- Must be complied with by the Bidder (Page no- 35)	Participation and successful implementation, as a contractor, Joint Venture partner, or Subcontractor, in the following technical requirements, within the last 10 years. The similarity of the Bidder's participation shall be based on the physical size, complexity, methods and technology (33/11 kV GIS/AIS substation or 33 kV GIS/AIS Switching substation), other characteristics as described in section 6 (Employer's Requirements).	Participation and successful implementation, as a contractor, Joint Venture partner, or Subcontractor, in the following technical requirements, within the last 10 years. The similarity of the Bidder's participation shall be based on the physical size, complexity, methods and technology (33/11 kV or **Higher** GIS/AIS substation or 33 kV or **Higher** GIS/AIS Switching substation), other characteristics as described in section 6 (Employer's Requirements).
4.	Section-6: Employer's Requirement- Clause No: 5, DRAWING AND DOCUMENTS TO BE SUBMITTED WITH BID [Item No-8 (g), Battery & Battery Charger] Page-503	iv) All related calculation including efficiency & DVR calculation.	**Deleted.**
5.	Section-6: Employer's Requirement- Clause No: 3, TECHNICAL SPECIFICATIONS, Sub-clause: 3.17.4,	**Foundation:** Considering 03 storied building (no Basement) (G+2) with four storied foundations ▪ Plinth Level at +3ft above from Ground Level ▪ Ground Floor clear height 11 ft Cable Trench & Ancillary Facility	**Foundation:** **For Rangpur Grid:** Considering 03 storied building (G+2) with five storied foundations ▪ Plinth Level at +3ft above from Ground Level

Sl. No.	Reference	Original Clause/Sub-Clause	Amended Clause/Sub-Clause/Item
	ARCHITECTURAL AND STRUCTURAL REQUIREMENTS OF BUILDINGS Page-323	▪ 1st Floor clear height 10 ft for Cable room. ▪ 2nd Floor clear height 15 ft for Cable room. Pile Foundation must be done.	▪ Ground Floor (Min^{m} Height-11 ft): Dedicated for 33 kV XLPE power cable exit, including floor cut-outs and cable trenches and 2 nos 33/0.415KV auxiliary power transformer as per attached layout drawing ***(Attachment-5)***. ▪ First Floor (Min^{m} Height-10 ft): To be used as a cable room for routing and accommodating additional 33 kV XLPE power cables along with cable racks and supports and store room as per attached layout drawing ***(Attachment-6)***. ▪ Second Floor (Min^{m} Height-15 ft): To accommodate all 33 kV GIS switchgear panels, control-cum-relay panels, and all associated LV panels, Battery room, Wash room as per attached layout drawing ***(Attachment-7)***. **For Purbasadipur Grid:** Considering 03 storied building (G+2) with three storied foundations ▪ Plinth Level at +3ft above from Ground Level ▪ Ground Floor (Min^{m} Height-11 ft): Dedicated for 33 kV XLPE power cable exit, including floor cut-outs and cable trenches and 2 nos 33/0.415KV auxiliary power transformer as per attached layout drawing ***(Attachment-13)***. ▪ First Floor (Min^{m} Height-10 ft): To be used as a cable room for routing and accommodating additional 33 kV XLPE power cables along with cable racks and supports and store room as per attached layout drawing ***(Attachment-14)***. ▪ Second Floor (Min^{m} Height-15 ft): To accommodate all 33 kV GIS switchgear panels, control-cum-relay panels, and all associated LV panels, Battery room, Wash room as per attached layout drawing ***(Attachment-15)***.
6.	Section-6: Employer's Requirement-Clause No: 4, TECHNICAL REQUIREMENTS AND	Electrical (LED based) and mechanical Mimic diagram is depicted in front of switchgear panel	Electrical (LED based) or Mechanical Mimic shall be provided in front of switchgear panel

Sl. No.	Reference	Original Clause/Sub-Clause	Amended Clause/Sub-Clause/Item
	GUARANTEE SCHEDULES, Sub-clause: 4.2, GUARANTEED TECHNICAL PARTICULARS OF 33 KV INDOOR TYPE GAS INSULATED SWITCHGEAR (GIS) WITH PROTECTION, CONTROL AND METERING EQUIPMENT; Sl no-23, Page-388		
7.	Section-6: Employer's Requirement-Clause No: 3, TECHNICAL SPECIFICATION, Sub-clause: 3.2.3.26.5, ARC FLASH PROTECTION Page-242	The main purpose of the arc protection relay is to protect an electrical installation against the destructive impact of an arc short circuit, minimize physical damages and mitigate potential injuries. Arc fault protection system shall be employed for the fast clearance of arcing faults on Busbars & within metal clad switchgear & associated cable boxes. The arc is detected using an optical sensor & the signal input to a protection device which also monitors the load current on the system. By employing an optical detection technique, Arc Fault Protection results in fast clearance of arcing faults. The complete Arc Protection System shall have the main components-Main Relay (Master Unit), Interface I/O units, Point arc sensor units and Fiber loop sensor units. Arc sensors shall be in cable chambers, bus bar chambers and circuit breaker chamber of incoming and outgoing panels (In both the vertical sections). Sensor shall cover any flash over occurring in the respective chambers. Numerical relays are provided with arc flash protection systems based on both Current & Optical input methods. ARC flash relay should be	Deleted

Sl. No.	Reference	Original Clause/Sub-Clause	Amended Clause/Sub-Clause/Item
		communicable with the option for using RJ45 /FO port for IEC61850 communication protocol. ARC flash protection relay should have minimum 4 stages of ARC flash protection which can be configured based on location of fault and source of current & also have facility to have facility to build customized logics based on digital inputs and protection. The master unit includes all arc protection system functions, such as over current and arc supervision. The arc sensors are activated by light. The sensor transforms the light information into the current signal, which is forwarded to the master unit. The sensor shall be easy to install and replace and shall be self-supervised. Arc fiber sensor shall be of durable glass fiber with a bending radius of 10 mm or better The offered system shall be Disturbance, Electrical Safety, Mechanical and Environmental compatibility tested as per related IEC and EN standards.	
8.	Section-6: Employer's Requirement-Clause No: 5, DRAWING AND DOCUMENTS TO BE SUBMITTED WITH BID, [Item No: 8, f(iv), AC Distribution and DC Distribution Board] Page-502	Complete Test Reports form any international reputed independent testing laboratory.	Complete Test Reports (Type Test/Routine Test) form any reputed independent testing laboratory or recognized testing institution having appropriate testing facilities.
9.	Section-6: Employer's Requirement-Clause No: 4, TECHNICAL REQUIREMENTS AND GUARANTEE	Optical/Electrical (Must be compatible with IED rear communication port)	Optical (Must be compatible with IED rear communication port)

Sl. No.	Reference	Original Clause/Sub-Clause	Amended Clause/Sub-Clause/Item
	SCHEDULES, Sub-clause: 4.9, GUARANTEED TECHNICAL PARTICULARS FOR SUBSTATION AUTOMATION SYSTEM (SAS), [Sl no-17(vi), Communication port] Page-422		
10.	Section-6: Employer's Requirement-Clause No: 5, DRAWING AND DOCUMENTS TO BE SUBMITTED WITH BID, [Sl No: 9 (vi), Test report of 33kV 1CX800 mm2, 1CX500 mm2 & 3CX185 mm2] Page-507	i) Thermal Short Circuit Test	Deleted.
11.	Section-6: Employer's Requirement-Clause No: 4, TECHNICAL REQUIREMENTS AND GUARANTEE SCHEDULES, GTP, Sub-clause: 4.12, GUARANTEED TECHNICAL PARTICULAR	Short time discharge current at rate of 2 hours & final cell voltage 1.1 Volt- 100Amps	Short time discharge current at rate of 2 hours & final cell voltage 1.1 Volt - To be mentioned

Sl. No.	Reference	Original Clause/Sub-Clause	Amended Clause/Sub-Clause/Item
	S FOR NI-CD BATTERY (110V DC), [Sl no-8] Page-432		
12.	Section-6: Employer's Requirement-Sub-clause: 3.1 GENERAL SPECIFICATIONS Page-220	It is to be noted that if the bidder submit in their offer multiple manufacturing vendor's options for specific item, the Employer/Purchaser shall have the right to choose anyone/two among them before contract.	Deleted
13.	Section-6: Employer's Requirement-Sub-clause: 4.2, GUARANTEED TECHNICAL PARTICULARS OF 33 KV INDOOR TYPE GAS INSULATED SWITCHGEAR (GIS) WITH PROTECTION, CONTROL AND METERING EQUIPMENT.; [Sl-5] Page-388	(Country of manufacture and country of shipment must be same and if the country of manufacture is different from country of origin, the OEMs associated (Legally authorized and supported documents must be submitted) manufacturing plant (from where product will be manufactured & shipped) must have separate type test report from STL member organization laboratory.)	Deleted
14.	Section-6: Employer's Requirement-Clause No- 5, DRAWING AND DOCUMENTS TO BE SUBMITTED WITH BID; [Sl-9 (a)] Page-505	In case the OEM has multiple manufacturing facilities outside the main country of origin, the specific manufacturing plant supplying the equipment must have its own valid type test reports, conducted in an STL member organization's laboratory, issued in the name of that plant for the complete GIS switchgear panel. Otherwise, such type test reports shall not be accepted.	Deleted

Sl. No.	Reference	Original Clause/Sub-Clause	Amended Clause/Sub-Clause/Item
15.	Section-6: Employer's Requirement-Clause No: 4, TECHNICAL REQUIREMENTS AND GUARANTEE SCHEDULES, Sub-clause: 4.1, IMPORTANT INSTRUCTION TO BIDDER Page-387	The manufacturer must have at least 15 years manufacturing experience of the offered goods and those goods must have overall satisfactory operation in Bangladesh or any other Countries (Except manufacturers own country) at least 5 years counting backward from the date of bid submission. Goods offered as equivalent quality shall have a complete type test report as per the standard specified in Section-6 from any member of STL testing laboratory as per Clause-5. Goods offered as equivalent quality must have synchronize/matching capability with the existing network of NESCO to ensure changeability and reliability. As a proof of evidence bidder must submit manufacturing documents for 15 years with production capacity, delivery records for 5 years, satisfactory performance certificate for at least 5 nos.	The manufacturer must have at least 15 years manufacturing experience of the offered goods and those goods must have overall satisfactory operation in Bangladesh or any other Countries at least 5 years counting backward from the date of bid submission. Goods offered as equivalent quality shall have a complete type test report as per the standard specified in Section-6 from any member of STL testing laboratory as per Clause-5. Goods offered as equivalent quality must have synchronize/matching capability with the existing network of NESCO to ensure changeability and reliability. As a proof of evidence bidder must submit manufacturing documents for 15 years with production capacity, delivery records for 5 years, satisfactory performance certificate for at least 5 nos.

The amended clause/sub-clause or item shall replace the provision(s) in the issued Bidding Document. All other terms & conditions shall remain unchanged.

02.11.26

(Engr. A B M Hamidur Rahman)
Project Director
Network Infrastructure Development & Modernization of Power Distribution System in NESCO area.