

POWER GRID BANGLADESH PLC

Bidding Document

For

Procurement of

**Design, Supply, Installation, Testing & Commissioning of 400/230/132 kV
AIS Substation at Pekua and associated single/double circuit
400kV/230kV/132 kV LILO Lines on turnkey basis (Package-1)
(Contract No. PowerGrid/ADB/400kV/PEKUA/PTSIREP/PACKAGE-1/Re-
Tender)**

Addendum No. 01

(Date: January 13, 2025)

Following revisions/changes are made in the Bidding Document which will form part of the Bidding Document:

Volume 1 of 3

1. Section 9: Contract Forms, Appendix 1 - Terms and Procedure of Payment, A (Terms of Payment):

The following texts:

“Schedule No. 1 - Plant and Mandatory Spare Parts Supplied from Abroad

In respect of plant and mandatory spare parts supplied from abroad, the following payments shall be made:

Ten percent (10%) of the total CIP amount as an advance payment against receipt of invoice and an irrevocable advance payment security for the equivalent amount made out in favor of the Employer. The advance payment security may be reduced in proportion to the value of the plant and mandatory spare parts delivered to the site, as evidenced by delivery documents.

Seventy percent (70%) of the total or pro rata CIP or amount upon Incoterm “CIP,” upon delivery to the site within 45 days after receipt of invoice.

Fifteen percent (15%) of the total or pro rata CIP or amount upon issue of the Completion Certificate, within 45 days after receipt of invoice.

Five percent (5%) of the total or pro rata CIP or amount upon issue of the Operational Acceptance Certificate, within 45 days after receipt of invoice.

Schedule No. 2 - Plant and Mandatory Spare Parts Supplied from Within the Employer's Country

In respect of plant and mandatory spare parts supplied from within the Employer's country, the following payments shall be made:

Ten percent (10%) of the total EXW amount as an advance payment against receipt of invoice, and an irrevocable advance payment security for the equivalent amount made out in favor of the Employer. The advance payment security may be reduced in proportion to the value of the plant and mandatory spare parts delivered to the site, as evidenced by delivery documents.

Seventy percent (70%) of the total or pro rata EXW amount upon Incoterm "Ex-Works," upon delivery to the site within 45 days after receipt of invoice.

Fifteen percent (15%) of the total or pro rata EXW amount upon issue of the Completion Certificate, within 45 days after receipt of invoice.

Five percent (5%) of the total or pro rata EXW amount upon issue of the Operational Acceptance Certificate, within 45 days after receipt of invoice.

Schedule No. 4 - Installation and Other Services

In respect of installation services for both the foreign and local currency portions, the following payments shall be made:

Ten percent (10%) of the total installation and other services amount as an advance payment against receipt of invoice and an irrevocable advance payment security for the equivalent amount made out in favor of the Employer. The advance payment security may be reduced in proportion to the value of work performed by the Contractor as evidenced by the invoices for installation services.

Seventy percent (70%) of the measured value of work performed by the Contractor, as identified in the said Program of Performance, during the preceding month, as evidenced by the Employer's authorization of the Contractor's application, will be made monthly within 45 days after receipt of invoice.

Fifteen percent (15%) of the total or pro rata value of installation services performed by the Contractor as evidenced by the Employer's authorization of the Contractor's monthly applications, upon issue of the Completion Certificate, within 45 days after receipt of invoice.

Five percent (5%) of the total or pro rata value of installation services performed by the Contractor as evidenced by the Employer's authorization of the Contractor's monthly applications, upon issue of the Operational Acceptance Certificate, within 45 days after receipt of invoice."

Is replaced as follows:

(A) Terms of Payment

"Schedule No. 1 - Plant and Mandatory Spare Parts Supplied from Abroad

In respect of plant and mandatory spare parts supplied from abroad, the following payments shall be made:

Ten percent (10%) of the total CIP amount as an advance payment against receipt of invoice and an irrevocable advance payment security for the equivalent amount made out in favor of the Employer. The advance payment security may be reduced in proportion to the value of the plant and mandatory spare parts delivered to the site, as evidenced by delivery documents.

Eighty percent (80%) of the total or pro rata CIP or amount upon Incoterm "CIP," upon delivery to the site within 45 days after receipt of invoice.

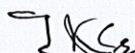
Five percent (5%) of the total or pro rata CIP or amount upon issue of the Completion Certificate, within 45 days after receipt of invoice.

Five percent (5%) of the total or pro rata CIP or amount upon issue of the Operational Acceptance Certificate, within 45 days after receipt of invoice.

Schedule No. 2 - Plant and Mandatory Spare Parts Supplied from Within the Employer's Country

In respect of plant and mandatory spare parts supplied from within the Employer's country, the following payments shall be made:

Ten percent (10%) of the total EXW amount as an advance payment against receipt of invoice, and an irrevocable advance payment security for the equivalent amount made



out in favor of the Employer. The advance payment security may be reduced in proportion to the value of the plant and mandatory spare parts delivered to the site, as evidenced by delivery documents.

Eighty percent (80%) of the total or pro rata EXW amount upon Incoterm "Ex-Works," upon delivery to the site within 45 days after receipt of invoice.

Five percent (5%) of the total or pro rata EXW amount upon issue of the Completion Certificate, within 45 days after receipt of invoice.

Five percent (5%) of the total or pro rata EXW amount upon issue of the Operational Acceptance Certificate, within 45 days after receipt of invoice.

Schedule No. 4 - Installation and Other Services

In respect of installation services for both the foreign and local currency portions, the following payments shall be made:

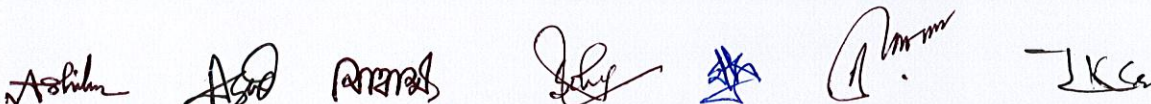
Ten percent (10%) of the total installation and other services amount as an advance payment against receipt of invoice and an irrevocable advance payment security for the equivalent amount made out in favor of the Employer. The advance payment security may be reduced in proportion to the value of work performed by the Contractor as evidenced by the invoices for installation services.

Eighty percent (80%) of the measured value of work performed by the Contractor, as identified in the said Program of Performance, during the preceding month, as evidenced by the Employer's authorization of the Contractor's application, will be made monthly within 45 days after receipt of invoice.

Five percent (5%) of the total or pro rata value of installation services performed by the Contractor as evidenced by the Employer's authorization of the Contractor's monthly applications, upon issue of the Completion Certificate, within 45 days after receipt of invoice.

Five percent (5%) of the total or pro rata value of installation services performed by the Contractor as evidenced by the Employer's authorization of the Contractor's monthly applications, upon issue of the Operational Acceptance Certificate, within 45 days after receipt of invoice."

2. Price Schedule A: Some pages have been revised and attached as **Attachment 1**.



Volume 2 of 3 (Substation)

3. Drawings:

400kV and 230kV SLD and Overall Substation Layout are revised and attached as **Attachment 2**.

4. Section 12, Clause 12.3.2 Assumed Loading Combinations

The last para of **Load Combination 2** in Clause 12.3.2,

"Unless agreed to the contrary, the "resultant spring constant" (s) of both supports of one span for strained conductors shall be taken as 10^7 N/m for steel structures."

shall be replaced with the following

"The 'resultant spring constant' (s) of both supports in a single span of strained conductors shall be determined according to IEC guidelines for steel structures."

5. Section 5, Clause 5.19

The complete DFDR system (including IED & Panel) for all voltage levels (400kV, 230kV & 132kV) shall be supplied from a single eligible manufacturer which shall be selected from any of the enlisted manufacturers as stipulated in the clause 5.19.2.

6. a. All the Bay MK boxes shall be raised from the FGL with a minimum height of 750mm.

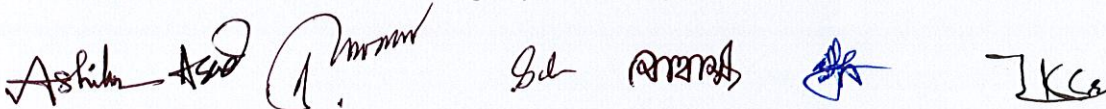
6. b. Section 4: Clause 4.18.2

The following clause shall be added with this clause:

Water spray system: For operation & maintenance requirement, the components of the system shall be UL listed or FM approved.

7. Section 11, Clause 11.1.4 Site Survey Drawings shall be replaced with the following

For each site the Bidder shall prepare a survey at 1:200 scale showing existing ground levels on a maximum 10 meter grid and details of all features above and below the ground within the site boundary and up to 15 meters beyond it by the key date stated in the programme. Levels shall be related to bench marks clearly indicated on the plan. The plan shall be submitted to approval by the Engineer and the approved substation building plinth levels shall be given on site plan. The Bidder shall propose the building floor level to the Engineer. The Final Ground/formation Level (FGL) of the site will be 3.5 meter (approximately) above the crown of the nearest public road. If the site is located within/adjacent to an existing switchyard/substation of the employer/other organization, then the FGL of the site should be determined the same as mentioned above but should not be less than the FGL of the existing switchyard/substation. For bay extension within an existing switchyard, the FGL of the new bay shall be the same as the FGL of the existing bay. All building plinth levels will be 900mm above the FGL.



8. Section 18, Drawings

‘Slope (1V:2H) protection with CC blocks & gravity retaining wall’ Drawing No: 37.PG/ADB/SLP)’ is replaced with SL No. 37A

and

‘Switchyard Gravelling and Relative Levels of Different Structures; Drawing No: 25. PG/ADB/SSL’ is replaced with SL No. 25A

have been revised and attached as **Attachment 3**.

SL No	Drawing No.	Title
37A	37A.PGCB/ADB/GR SW	GRS WALL WITH ARTICULATED CONCRETE FACING
25A	25A.PG/ADB/SSL	Switchyard Gravelling and Relative Levels of Different Structures

9. Section 11, Clause 11.1.1 Scope of Work

No (ii) Para in Clause 11.1.1,

‘(ii) Site preparation including site slope protection, cutting or filling up to the level specified in 11.1.4 and levelling as well as compaction.

shall be replaced with the following

“(ii) Site preparation including geosynthetic reinforced soil wall with articulated concrete facing, cutting or filling up to the level specified in 11.1.4 and levelling as well as compaction.”

Volume 2 of 3 (Transmission Line)

Section 22, Clause 22.14.2

The following texts “**Recommended Spares**” is replaced by as follows

“**Recommended Spares-Not Applicable**”.

Volume 3 of 3 (Substation)

4. Schedule A: some pages (SA-8, 10, 12) are revised and attached as **Attachment 4**.

