

**Bidding Document
For
Procurement of**

Design, Supply, Installation, Testing and Commissioning of 400/230 kV GIS Substation at Kaliganj on turnkey basis (Package-5)

[Contract No.: PGCB/ADB/L3853/AIIB/L8374/DWZTGEP/GIS/P5]

Addendum 02

1. Volume 1 of 3, Section-3, Clause 2.5.1.D.1 Subcontractors/Manufacturers Requirement:

(i) The Text -

"Satisfactory Type test reports as per clause 1.3 of Section 6: Employers Requirements of volume 1 of 3 of the bidding document for GIS with similar or higher rating (KV, rated current, short circuit current)."

Is replaced by -

"Satisfactory Type test reports as per clause 1.3 of Section 6: Employers Requirements of volume 1 of 3 of the bidding document for offered type GIS which can be similar or higher rating (KV, rated current, short circuit current)."

(ii) The text-

"At least one evidence from end users for satisfactory service of GIS with the similar specification or above for a minimum of three (3) years outside manufacturer's country as on the date of bid opening."

Is replaced by-

"At least one evidence from end users for satisfactory service of offered type GIS for a minimum of three (3) years outside manufacturer's country as on the date of bid opening."

- It is to be noted that floor area and height of the building provided in the Bidding Document drawings are minimum required size. If larger size buildings are required due to bidders offered type GIS (including future provisions), the bidder may increase size of the buildings within the quoted price. No additional payment shall be made in this regard. But if smaller size is required due to bidders offered type GIS (including future provisions), floor area and height of the buildings shall be as per the Bidding Document drawings.

2. Sl. No. 50 of clarification-1 is nullified.



3. Volume 2 of 3, Section 4, Clause 4.3.7.5 Rated MVA

The sub-clause 4.3.7.5.3 of clause 4.3.7.5 is revised as follows:

All the windings (primary, secondary and tertiary windings) of the transformers shall be designed for continuous loading with the maximum rated output kilovolt-ampere load at rated frequency and voltage as specified in the technical data sheet. It shall also be possible to load the tertiary winding at the maximum specified MVA rating continuously. Both continuous thermal capacity & short circuit capacity shall be guaranteed for the tertiary winding as well.

4. Volume 3 of 3, Schedule E: Technical Particulars and Guarantees

In clause 1.2.3.4 Voltage Transformer 33kV, minimum requirements in item no. 2.13 is revised as follows:

No.	Description	Minimum Requirements		Guaranteed
		Unit	Data	
2.13	Voltage factor	p.u./s	1.2 continuous 1.5/30 for effectively earthed neutral system 1.9/30 for non-effectively earthed neutral system	

5. Volume 3 of 3, Schedule E: Technical Particulars and Guarantees, 1.2.4 D: Transformers

In clause 1.2.4.1 400/235/34.5 kV 520/750 MVA ONAN/ONAF Autotransformer, minimum requirements in item no. 2.2.3 is revised as follows:

No.	Description	Minimum Requirements		Guaranteed
		Unit	Data	
2.2.3	Loading Type		Simultaneous on HV-LV-TV, (It shall also be possible to load the tertiary winding at the maximum specified MVA rating continuously)	

6. Volume 2 of 3, Section 19, 19.2.1 Kaliganj Substation Drawing List (Sl. No. 21) for 400/230KV GIS Substation at Kaliganj

Cable cellar is deleted and GIS floor is shifted on ground floor. Accordingly SL No. 21 is replaced with SL No. 21A as follows:

SL No	Drawing No.	Title
21A	PGCB/DESIGN/2021/KALIGANJ/C02A	230kV GIS Building

7. The clause 3.3.15.15, Section -3, HV Switchgear and Outdoor Equipment, volume 2 of 3 of the bidding document is revised as follows:

Some of the above mentioned make, viz., ABB (Sweden/Switzerland), Trench (France/USA), HSP (Germany) & GE (Italy) make bushings are already existed in PGCB's System. All of the proposed manufacturer of bushings shall have at least twenty five (25) years of manufacturing experience of Resin Impregnated Paper (RIP) bushings prior to the date of bid submission with minimum delivery of at least three hundred (300) nos. of similar or higher rating Resin Impregnated Paper (RIP) bushings with silicon composite housing over the last ten years outside the manufacturer's own country and the bushings similar to or higher rating of the proposed type shall have complete type test report as per relevant IEC standard (IEC 60137) from any independent testing laboratory. The bidders shall have to submit relevant documents with their bids.

