

## Gurgaon-Palwal Transmission Limited

### Amendment No. - 02 (Clarifications / Replies to the Pre-bid Queries)

18.03.2024

**Subject: Clarifications on NIT dated 14.02.2024 for 2 no. of 220 kV GIS line bays along with 220 kV Cable for line bay interconnection at Prithala S/s (GPTL).**

Sl. No.	Name of the document	Clause No.	Existing Provision	Bidder's Query/Suggested texts for amendments	GPTL Replies
1	Technical Specification for Augmentation of Prithala (GIS) Substation - Electrical Works	Cl.No. 3.9, pg 9 of 35	AC & DC power supplies	We understand that required AC & DC feeder available for present scope of work.	Sizing of Auxiliary system (like battery, charger, LT switchgear) had be done considering future bay requirements to avoid replacement in future with higher sizes. however, ACDB/ DCDB modules for present bays are not in available hence bidder need to consider the same.
2	Technical Specification for Augmentation of Prithala (GIS) Substation - Electrical Works	Cl.no: 3.10, pg 10 of 35	Fire Fighting System	We understand that there is no need for firefighting system for present scope of work.	Inside GIS Hall fire detection system is already installed, if modification required due to present scope of work bidder has to consider the same.
3	Technical Specification for Augmentation of Prithala (GIS) Substation - Electrical Works	Cl.no: 3.10, pg 10 of 35	<b>3.10. Fire Fighting System</b> Fire-fighting systems for substation including transformer & reactor shall conform to CEA (Measures Relating to Safety & Electric Supply) Regulations. Further, adequate water hydrants and portable fire extinguishers shall be provided in the substations. The main header of the firefighting system is	For Fire Fighting System, is there requirement of water-based system also i.e. hydrant system? If yes, please advise tap-off point. Also please check and advise whether scope of work also involved supply/Services of fire detection and alarm system required OR any fire extinguishers are also envisaged	Extension of hydrant point may be required; bidder is advised to visit the site and acquaint themselves with the requirement.

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			suitable for extension to bays covered under the present scope; the necessary piping interface in this regard shall be provided. At existing substations, the fire-fighting systems as available shall be extended to meet the additional requirements.		
4	Technical Specification for Augmentation of Prithala (GIS) Substation - Electrical Works		Special tools and tackles for installation & Special tools and tackles for maintenance	Special tools required for installation & testing/commissioning shall be provided on returnable basis from site. Please confirm	The same is covered under the Scope of the Contractor and may be dealt accordingly.
5	Technical Specification for Augmentation of Prithala (GIS) Substation - Electrical Works	Cl.no: 3.12, pg 10 of 35	Illumination System	We understand that only outdoor line out equipment illumination required. Kindly confirm the same.	Confirmed, however building (indoor) lux level to be verified after installation of new bays. If lux level of the room/building needs to be increased as per CEA Guidelines for Switchyard, fixtures to be provided in the area of present scope.
6	Technical Specification for Augmentation of Prithala (GIS) Substation - Electrical Works	Cl.no: 3.15, pg 12 of 35	Visual Monitoring System (VMS) for watch and ward of substation premises.	There is no need to provide VMS system to GIS Building. We have considered VMS system only for outdoor equipments like LA & CVT. Existing VMS layout and other details required.	Noted, however viewing zone inside GIS hall to be verified as present scope of GIS equipment may block the viewing zone.
7	Technical Specification for Augmentation of Prithala (GIS) Substation - Electrical Works	Sl. No. 15, pg 34 of 35	TECHNICAL PARTICULARS OF XLPE CABLE	We understand that Minimum continuous current rating for each circuit when laid in ground in trefoil 650A. We have to select cable accordingly. Kindly confirm the same.	Feeder rating is clearly mentioned in the specification, cable size/run may be selected accordingly by the Contractor.

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8	Technical Specification for Augmentation of Prithala (GIS) Substation - Electrical Works	Sl. No. 10.1, pg 10 of 13	EHV Cable	We have to supply spare EHV Cable of longest phase of a feeder. Installation of the same is not under present scope of work.	Spare cable shall be installed by bidder along with the main cable.
9	SUBSTATION CIVIL & STRUCTURAL WORKS		General	We have to connect 220 kV EHV cable support structure with existing GIS building column for cable dropping arrangement outside the GIS building. Please confirm	Self-supporting structure shall be considered instead of GIS building column.
10	SUBSTATION CIVIL & STRUCTURAL WORKS		General	As per our understanding we can use existing design & drawing of existing tower & equipment support structure & foundation with minor modification (if required).	Noted. Supporting calculation to be provided for approval.
11	SUBSTATION CIVIL & STRUCTURAL WORKS		General	As per our understanding there is no requirement of new road or extension of existing road. Kindly confirm.	Bidder may need to consider road for their own equipment movement inside the yard. We request bidder to visit site and acquaint themselves with the requirement.

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