



Bharat Heavy Electricals Limited

(A Govt. of India Undertaking)

Transmission Business Group

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CORRIGENDUM - 01 TO NIT NO-100728

Dated 26-06-2026

Subject: Corrigendum-01 to Tender enquiry for Pre-Bid Tie up with the GIS OEM for Supply & Services of 400KV & 230KVGIS for POWERGRID's Substation Package SS-158T (Kalyanpur) Tender / Project.

Project : POWERGRID's Substation Package SS-158T (Kalyanpur)
Equipment / Item : Supply & Services of 400kV & 230kV GIS and Its associated equipment
Enquiry No/Date : 61G2700064 Dated 20-06-2026
BHEL NIT NO : 100728
Original Tender due date : 30-06-2026

This Corrigendum is issued by BHEL TBG against above mentioned NIT/ enquiry for issuance of technical corrigendum-01 (enclosed).

Tender due date shall remain same i.e. 30-06-2026.

All other terms and conditions for this tender enquiry shall remain unchanged.

Bidder to ensure submission of offer on or before due date.

Note: Tender ID on CPP Portal is **2026_BHEL_62451_1**.

Thanking you

-----Sd/-----

Gaurav Agarwal
BHEL TBG, NOIDA

Ref. No. Technical Corrigendum-01

Project: Pre-Bid Tie up for 400kV GIS New Substation Package SS 158T for Establishment of 400/220kV GIS at 765/400/220 kV Substation near Kalyanpur (GIS) associated with "Transmission system for Integration of Power from RE Projects in Jam Khambhaliya REZ in Gujarat - Phase II (5500MW) and Jamnagar Phase-I (1000 MW)" through Tariff Based Competitive Bidding (TBCB) route.; Specification no: CC/T/W-GIS/DOM/A06/26/05433

Package/Item: GAS INSULATED SWITCHGEAR WITH ITS ACCESSORIES

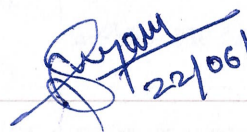
Technical TB-PBTU-GIS-400KV-PGCIL-SS158T, REV-00

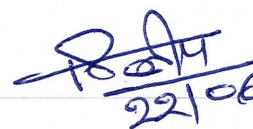
Specification No. TB-PBTU-GIS-220KV-PGCIL-SS158T, REV-00

Date: 22.06.2026

Sl. No.	Volume/ Section/ Clause	Volume/ Section/ Clause as Existing	Volume/ Section/ Clause as Amended/ Added in Technical Corrigendum
1	Technical Specification / Section 1.3	Section-1.3- Section Project	Amendment No. I (Technical) dated 22.06.2026 to the Technical Portion of the Bidding Document. (Copy attached).
2	-	-	Clarification No. I (Technical) dated 22.06.2026 to the Technical Portion of the Bidding Document. (Copy attached).

Note: 1. The changes/ revision are marked/ highlighted in yellow.
2. Amendment/ addendum/ clarification/ corrigendum issued herein shall form part of Technical Specification.
Bidders to please note that amendment/addendum/ clarification/ corrigendum issued shall supersede the respective Volume/ Section/ Clause of Technical Specification Document to the extent for the Volume/ Section/ Clause or part thereof the amendment is issued.


22/06/26


22/06/26.

Amendment No. I (Technical)

Amendment No. I (Technical) dated 22.06.2026 to the technical portion of the Bidding Document for Pre-Bid Tie up for 400/220kV GIS New Substation Package SS 158T for Establishment of 400kV GIS at 765/400/220 kV Substation near Kalyanpur (GIS) associated with "Transmission system for Integration of Power from RE Projects in Jam Khambhaliya REZ in Gujarat - Phase II (5500MW) and Jamnagar Phase-I (1000 MW)" through Tariff Based Competitive Bidding (TBCB) route.; Specification no: CC/T/W-GIS/DOM/A06/26/05433

S. No.	TS / CLAUSE	Existing Provision	Amended provision																																
1.	Section 1.3 of Technical Specification- [Section Project] Cl. No. 6 (c)	765/400/220 kV Kalyanpur (GIS): 765 kV Bus Sectionalization shall be with the following feeder distribution: <table><tr><th>765 kV Bus Section-1</th><th>765 kV Bus Section-2</th></tr><tr><td>a) Nos. of Present 765/400 kV ICT</td><td>a) 1 Nos. of Present 765/400 kV ICT</td></tr><tr><td>b) Nos. of Present 765 kV Lines</td><td>b) Nos. of Present 765 kV Lines</td></tr><tr><td>c) 1 No. of Present 765 kV Bus reactor</td><td>c) 1 No. of Present 765 kV Bus reactor</td></tr><tr><td>d) Nos. of Future 765 kV Lines</td><td>d) Nos. of Future 765/400 kV ICT</td></tr><tr><td>e) 1 No. of Future 765 kV Bus reactor</td><td>e) Nos. of Future 765 kV Lines</td></tr><tr><td></td><td>f) 1 No. of Future 765 kV Bus reactor</td></tr></table> 400 kV Bus Sectionalization shall be with the following feeder distribution: <table><tr><th>400 kV Bus Section-1</th><th>400 kV Bus Section-2</th></tr></table>	765 kV Bus Section-1	765 kV Bus Section-2	a) Nos. of Present 765/400 kV ICT	a) 1 Nos. of Present 765/400 kV ICT	b) Nos. of Present 765 kV Lines	b) Nos. of Present 765 kV Lines	c) 1 No. of Present 765 kV Bus reactor	c) 1 No. of Present 765 kV Bus reactor	d) Nos. of Future 765 kV Lines	d) Nos. of Future 765/400 kV ICT	e) 1 No. of Future 765 kV Bus reactor	e) Nos. of Future 765 kV Lines		f) 1 No. of Future 765 kV Bus reactor	400 kV Bus Section-1	400 kV Bus Section-2	765/400/220 kV Kalyanpur (GIS): 765 kV Bus Sectionalization shall be with the following feeder distribution: <table><tr><th>765 kV Bus Section-1</th><th>765 kV Bus Section-2</th></tr><tr><td>a) 3 Nos. of Present 765/400 kV ICT</td><td>a) 1 Nos. of Present 765/400 kV ICT</td></tr><tr><td>b) 2 Nos. of Present 765 kV Lines</td><td>b) 2 Nos. of Present 765 kV Lines</td></tr><tr><td>c) 1 No. of Present 765 kV Bus reactor</td><td>c) 1 No. of Present 765 kV Bus reactor</td></tr><tr><td>d) 4 Nos. of Future 765 kV Lines</td><td>d) 2 Nos. of Future 765/400 kV ICT</td></tr><tr><td>e) 1 No. of Future 765 kV Bus reactor</td><td>e) 4 Nos. of Future 765 kV Lines</td></tr><tr><td></td><td>f) 1 No. of Future 765 kV Bus reactor</td></tr></table> 400 kV Bus Sectionalization shall be with the following feeder distribution: <table><tr><th>400 kV Bus Section-1</th><th>400 kV Bus Section-2</th></tr></table>	765 kV Bus Section-1	765 kV Bus Section-2	a) 3 Nos. of Present 765/400 kV ICT	a) 1 Nos. of Present 765/400 kV ICT	b) 2 Nos. of Present 765 kV Lines	b) 2 Nos. of Present 765 kV Lines	c) 1 No. of Present 765 kV Bus reactor	c) 1 No. of Present 765 kV Bus reactor	d) 4 Nos. of Future 765 kV Lines	d) 2 Nos. of Future 765/400 kV ICT	e) 1 No. of Future 765 kV Bus reactor	e) 4 Nos. of Future 765 kV Lines		f) 1 No. of Future 765 kV Bus reactor	400 kV Bus Section-1	400 kV Bus Section-2
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[Signature]

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Amendment No. I (Technical)

Amendment No. I (Technical) dated 22.06.2026 to the technical portion of the Bidding Document for Pre-Bid Tie up for 400/220kV GIS New Substation Package SS 158T for Establishment of 400kV GIS at 765/400/220 kV Substation near Kalyanpur (GIS) associated with "Transmission system for Integration of Power from RE Projects in Jam Khambhaliya REZ in Gujarat - Phase II (5500MW) and Jamnagar Phase-I (1000 MW)" through Tariff Based Competitive Bidding (TBCB) route.; Specification no: CC/T/W-GIS/DOM/A06/26/05433

		a) Nos. of Present 765/400 kV ICT b) Nos. of Present 400/220 kV ICT c) 1 No. of Present 400 kV Line d) 1 No. of Present 420 kV Bus reactor e) 1 No. of Present Synchronous Condenser f) Nos. of Future 400 kV Lines g) 1 No. of Future 420 kV Bus reactor h) 1 No. of Future STATCOM. i) 2 Nos. for interconnections for 2x1500 MW Poles for 6000 MW, ±800 kV Kalyanpur (GIS) [HVDC] [LCC] terminal stations.	a) 1 Nos. of Present 765/400 kV ICT b) 5 Nos. of Present 400/220 kV ICT c) 1 No. of Present 420 kV Bus reactor d) 1 No. of Present Synchronous Condenser e) Nos. of Future 765/400 kV ICT f) 8 Nos. of Future 400 kV Lines g) 1 No. of Future 420 kV Bus reactor h) 1 No. of Future STATCOM i) 2 Nos. for interconnections for 2x1500 MW Poles for 6000 MW, ±800 kV Kalyanpur GIS (HVDC) [LCC] terminal stations.	a) 3 Nos. of Present 765/400 kV ICT b) 5 Nos. of Present 400/220 kV ICT c) 1 No. of Present 400 kV Line d) 1 No. of Present 420 kV Bus reactor e) 1 No. of Present Synchronous Condenser f) 4 Nos. of Future 400 kV Lines g) 1 No. of Future 420 kV Bus reactor h) 1 No. of Future STATCOM. i) 2 Nos. for interconnections for 2x1500 MW Poles for 6000 MW, ±800 kV Kalyanpur (GIS) [HVDC] [LCC] terminal stations.	a) 1 Nos. of Present 765/400 kV ICT b) 5 Nos. of Present 400/220 kV ICT c) 1 No. of Present 420 kV Bus reactor d) 1 No. of Present Synchronous Condenser e) 2 Nos. of Future 765/400 kV ICT f) 8 Nos. of Future 400 kV Lines g) 1 No. of Future 420 kV Bus reactor h) 1 No. of Future STATCOM i) 2 Nos. for interconnections for 2x1500 MW Poles for 6000 MW, ±800 kV Kalyanpur GIS (HVDC) [LCC] terminal stations.
					
					



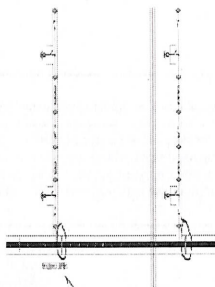

Clarification No. I (Technical)

Clarification No. I dated 22.06.2026 to the technical portion of the Bidding Document for **Pre-Bid Tie up for 400/220 kV GIS Substation Package SS158T** for Establishment of 400/220kV GIS at 765/400/220 kV Substation near Kalyanpur (GIS) associated with "Transmission system for Integration of Power from RE Projects in Jam Khambhaliya REZ in Gujarat - Phase II (5500MW) and Jamnagar Phase-I (1000 MW)" through Tariff Based Competitive Bidding (TBCB) route.; Specification no: CC/T/W-GIS/DOM/A06/26/05433

S. No	Reference Document Name / Clause No / Page No	Specification Clause	Bidder's Queries	POWERGRID Reply
1	General	Location Co-ordinate	We kindly request you to provide the location coordinates of the proposed substation area.	BPC coordinate identified in survey report is as follows 22° 2'20.93"N 69°29'9.82"E Final identified land coordinate shall be shared during detailed engineering.
2	Section Project_R0 Page No.- 5 of 30, Clause No. 2, Sr. No. (v)	400kV GIS (Present Scope) v) 400 kV Sectionalization bay: 1-set	We have observed that the quantity for 400kV bus sectionaliser bays is mentioned as 02 sets in the BoQ. However, in the section project it is mentioned 01 set Kindly check and confirm the quantity of bus sectionaliser bays.	GIS Bus Sectionalizer Module is set-02 as per BPS. Please refer the description given in Annexure-S11 DESCRIPTION OF GIS BAY MODULE & EQUIPMENTS of specific requirement. Bidder to quote as per BPS.
3	Section Project_R0 Page No.- 5 of 30, Clause No. 2, Sr. No. (vii)	400kV GIS (Present Scope) vii) 400kV Syncon Bays -2 Nos	We have observed that the quantity for 400kV Syncon Bays -2 Nos. is not mentioned in the Bid Price Schedule (BoQ). Kindly confirm the scope of the above-mentioned 400kV Syncon Bays.	Module for Syncon Bay in Present scope is covered at Sl. No. 12 of BPS whose description is as "420kV, 3150 A, 63 kA, SF6 GIS Coupling Transformer feeder bay module as per Section-Project, Technical specification"
4	Section Project_R0 Page No.- 5 of 30, Clause No. 2, Sr. No. (vii)	400kV GIS (Present Scope) ii) 220 kV Sectionalization bay: 1-set	We have observed that the quantity for 220kV bus sectionaliser bays is mentioned as 02 sets in the BoQ. However, in the section project it is mentioned 01 set Kindly check and confirm the quantity of bus sectionaliser bays.	Refer our reply to similar query above.
5	General	SF6 to Air bushing and SA Quantities	As per Section project - Total bay Quantities is 19 Nos (ICT bay only present 14 Nos. bay + Reactor bay 02 Nos + Syncon bay 02 Nos + Line Bay 01 No.), Hence, 57 Nos. Surge Arrester and 57 Nos SF6 to Air bushing will be required, but in BoQ Surge Arrester is given 52 EA and SF6 to air bushing is given as 59 Set , kindly clarify the quantities.	Bidder to quote as per provisions in bidding documents.
6	General	400KV & 200KV CRP Panel count	With ref. to the provided BPS & Section project R0 document, both 400kV and 220kV, the panel count we are understood and mentioned below for this package. Kindly confirm the same. 400kV Side- 1- 400kV ICT Protection Panel_16nos 2- 400kV Line Protection Panel_1no 3- 400kV Tie Protection Panel_9nos 4- 400kV Bus reactor Protection Panel_2nos 5- 400kV Bus bar Protection Panel_2nos 220kV Side- 1- 220kV ICT Protection Panel_10nos 2- 220kV Line Protection Panel_12nos 3- 220kV Buscoupler Protection Panel_2nos 4- 220kV Bus reactor Protection Panel_2nos 5- 220kV Bus bar Protection Panel_2nos	Bidder to quote as per provisions in bidding documents.
7	Price_Schedule	PMU, FOTE, PLCC	1- We understood from BPS that PMU is applicable only at 400kV side and it will be place in the respective Line panel. Kindly confirm. 2- We assume there is no scope of work for FOTE & PLCC (In BPS not mentioned). Kindly confirm.	1. Confirmed. The quantity mentioned as BPS for PMU and associated item is applicable for 400kV side. PMU and associated items are envisaged to be placed in Line Panel. However, depending on space constraint in line panel, separate panel may be provided . Bidder to quote as per provisions in bidding documents. 2.FOTE is already envisaged in separate Package. PLCC is not envisaged under present scope.Bidder to quote as per BPS.
8	Section Project_R0 Page No.- 9 of 30, Clause No. B, Sr. No. (c)	Line Current Differential Relay (with back up distance protection feature) as Main-I and Main-II shall be considered at both ends for short lines (line length below 30 km) having Fiber Optic Communication Link. The matching line current differential (as loose supply) relay for remote end is under present scope. The associated power and control cabling and integration with SAS at remote end is not under present scope.	Kindly confirm the below points, 1- We understood that Line distance cum differential relay to be consider for M1 & M2 relay for both voltage levels. 2- Kindly provide remote end IEDs details for loose supply for both voltage levels.	1) 400 kV and 220 kV lines shall have Main-I numerical three zone distance protection scheme with carrier aided inter-tripping feature. However for 400kV short lines (length below 30km) and 220 kV lines for RE Generators, Line Current differential relay (with back up distance protection feature) as Main-I and Main-II shall be considered at both ends. 2) Matching Line current differential relay (as loose supply) for remote end is under present scope.
9	Section Project_R0 Page No.- 9 of 30, Clause No. B, Sr. No. (d)	Augmentation of Substation Automation System by providing associated equipment for 400kV & 220kV bays under present scope shall be carried out by the contractor. Under present scope, contractor shall include BCUs required for 400 kV & 220kV bays including all necessary hardware and software to integrate with the substation automation system	Kindly provide Details of existing SAS i.e. Make, Model, type etc.	Details/document shall be shared with successful bidder during detailed engineering.

10	Section Project_R0 Page No.- 10 of 30, Clause No. B, Sr. No. (d)	The necessary interface and integration work for transferring data to RLDC (RSCC) /NLDC/Remote control Centre through optical fiber based SDH communication link is also under present scope. The Contractor scope does not include any modification at the Remote Control Centers.	Please note that we will provide and integrate all data to FOTE/PLCC panel for transfer to RLDC/SLDC. Further, Data transmission from the FOTE/PLCC panel to RLDC/SLDC shall be carried out by PGCIL.	Noted. However, all the configuration work of FOTE at substation required for integration with RLDC/SLDC end shall be in the scope of bidder. Provisions of Bidding documents shall prevail.																
11	Annexure-II Break up of Mandatory Spares Sr. No- 5 & 6	<table><tr><td>5.</td><td>245KV Capacitive Voltage Transformer</td><td></td><td></td></tr><tr><td>a.</td><td>400KV, 4400kV CVT</td><td>No</td><td>1</td></tr><tr><td>6.</td><td>245KV Bus Post Insulator</td><td></td><td></td></tr><tr><td>a.</td><td>400KV Bus Post Insulator (except for line trap)</td><td>No.</td><td>2</td></tr></table>	5.	245KV Capacitive Voltage Transformer			a.	400KV, 4400kV CVT	No	1	6.	245KV Bus Post Insulator			a.	400KV Bus Post Insulator (except for line trap)	No.	2	We have observed that 400 kV is mentioned instead of 220 kV under the spare items for 220 kV CVT and BPI. Kindly Check & Confirm.	Refer Amendment No 1
5.	245KV Capacitive Voltage Transformer																			
a.	400KV, 4400kV CVT	No	1																	
6.	245KV Bus Post Insulator																			
a.	400KV Bus Post Insulator (except for line trap)	No.	2																	
12	General	Drawings/Documents	Please arrange to provide following documents i) Overall SLD ii) Overall Layout iii) Existing Earthing Layout iv) Existing cable trench Layout v) Transformer GA drawing vi) PSDL for ref. purpose vii) Typical SAS Architecture for ref. purpose	Refer reply at B.1.17 of Frequently Asked Questions annexure in Specific Requirement of Technical specification.																
13	General	Control room Building.	Kindly provide distance between control room to 400KV GIS hall & 220KV GIS Hall	Details/document shall be shared with successful bidder during detailed engineering.																
14	General	Main Earth mat	Kindly provide the spacing used for existing earth mat and ERT report for extending main mat to 400KV and 200KV	Details/document shall be shared with successful bidder during detailed engineering.																
15	General	Distribution Transformer	Distribution Transformer is not mentioned in the BoQ. Henc. We are not considering Distribution Transformer in our scope.	Distribution Transformer is not envisaged in present scope of sublet package.																
16	General	UPS System	UPS System is not mentioned in the BoQ. Henc. We are not considering UPS System in our scope.	Bidder to quote as per provisions in bidding documents.																
17	General	DG Set	DG Set is not mentioned in the BoQ. Henc. We are not considering DG Set in our scope.	DG set is not envisaged in present scope of sublet package.																
18	General	PLCC System	PLCC System is not mentioned in the BoQ. Henc. We are not considering PLCC System in our scope.	Bidder to quote as per provisions in bidding documents.																
19	General	FOTE System	FOTE System is not mentioned in the BoQ. Henc. We are not considering FOTE System in our scope.	FOTE is already envisaged in separate package. Bidder to quote as per BPS.																
20	Price_Schedule	PEB - 400 kV GIS - Civil Works. All civil works as per drawing and specifications complete, including - brickwork, finishing(external and internal), windows etc. However, excavation, PCC, RCC and reinforcement shall be paid separately as per BPS.	Kindly confirm the colour code for the puff panel and structural steel.	Colour code of puff panel shall be finalized during detailed engineering. Bidders to quote as per BPS & TS.																
21	Price_Schedule	Random Rubble masonry for Retaining wall with locally available stone in cement sand mortar 1:6 (1 Cement: 6 coarse sand) including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size). Raised and Cuting on exposed surface, weep holes/PVC pipe sleeves of 100 mm dia (medium class) @ 1 metre C/C staggered . The top of the retaining wall to be provided with cement concrete 1:2:4. However items of excavation, concrete (1:2:4) shall be payable under respective items of BPS	Instead of a stone rubble masonry wall, we request you to consider the precast boundary wall for the same.	Bidders to quote as per BPS & TS.																
22	SECTION- PROJECT	1. GENERAL -1.6	For familiarize with the site conditions, topography and infrastructure, we request you to share the SBC report to understand the design philosophy.	Soil investigation is in the scope of bidder.																
23	General		We envisage that Re-routing of any under-ground services such as gas pipeline Construction enabling works such as approach roads, drainage, water supply, electricity etc and maintaining throughout the construction phase is in scope of Customer. Kindly Confirm	Provisions of bidding documents shall prevail.																
24	General		Please Confirm if there are any demolition or removal works existing in the proposed site.	Bidder to quote as per provisions in bidding documents.																
25	General		We understand that space for a laydown area, including a site office, store, labor colony, steel yard, etc., will be provided free of cost to the bidder within the vicinity of the PSS boundary. Kindly confirm.	Refer reply at A.1.14 of Frequently Asked Questions annexure in Specific Requirement of Technical specification.																
26	General	Price_Schedule	Requesting to include the Separate line items for the below items. a. CC for GIS Bays b. Cables between LCC and GIS Bays c. Support Structures d. Platforms	Bidder to quote as per provisions in bidding documents.																
27	General	Price_Schedule	Inside hall GIB should not be the part of GIS bays as manufacturing time lines for bays and GIB are completely different. And we can not supply the inside hall out going GIB along with GIS bays. Request you to segregate the same	Bidder to quote as per provisions in bidding documents.																

28	Price_schedule & 1.0) Section Project_R1 Sr. No. 9 & Cl.No. 2. A) Pg. No. 5/30	Bus Sectionalizer bay quantity (420kV & 245kV Kalyanpur) As per Price_schedule Sr. no. 9 & 16: 420kV, 4000 A, 63 kA, SF6 GIS Bussectionalizer module as perSection-Project, Technicalspecification- 2 SET 245KV,3000 A, 50KA FOR 1 SECOND, SF6 GAS-INSULATED METAL ENCLOSED BUSSECTION BAY MODULE AS PER SECTION-PROJECT, TECHNICAL SPECIFICATION- 2 EA As per section project Cl.no. 2. A): v) 400 kV Sectionalization bay: 1-set ii) 220 kV Sectionalization bay: 1-set	Please note that, as per the received BPS & section project, it is understood that 2 nos. of Bus Sectionalizer GIS bays are required in the present scope for both 420kV Kalyanpur and 245kV Kalyanpur GIS. Thus, the quantity of Bus sectionalizer bays is considered as follows: 420kV Kalyanpur: Bus Sectionalizer- 2 Nos. 245kV Kalyanpur: Bus Sectionalizer- 2 Nos. Kindly confirm our understanding.	Confirmed, Bidder's understanding is correct.
29	Price_schedule & 1.0) Section Project_R0 Sr. No. 13 & 14 Cl.No. 9.4 Pg. No. 24/30	As per Price Schedule Sr. no. 13&14: 420 kV, 3150 A, 63 kA, SF6 GIS Linefeeder bay module(with PIR) as perSection-Project, Technicalspecification - 3 SET 420kV, 3150 A, 63 kA, SF6 GIS Tie baymodule(with PIR) as perSection-Project, Technicalspecification- 3 SET As per Section project Cl. No. 9.4 (pg.no. 24/30): 9.4 For Circuit breaker(s) controlling 400kV Transmission line(s), with or without Line Reactor and 765kV Transmission line(s) without Line Reactor, Controlled Switching Device (CSD) suitable for Line Switching Application in lieu of PIR shall also be acceptable.	We would like to inform you that, as per the 'Cl. no. 9.4 of section project' document, we are considering CSD instead of PIR for the mentioned Line bays and Tie bays in the BPS. Therefore, we are considering the CSD for the present scope GIS as follows: 3 nos. Line bays- with CSD & without PIR 1 nos. Line bays- without CSD & without PIR 16 nos. ICT bays- with CSD 2 nos. Bus Reactor bays- with CSD 2 no. Coupling Trafo bay- with CSD 12 nos. Tie bays- with CSD Kindly confirm the same	Bidder to quote as per provisions in bidding documents.
30	1.0) Section Project_R0 Cl.No. 2. A. Pg. No. 5/30	Future provision (space for): xi) 400 kV line bays along with switchable line reactors- 12 Nos. (4 Nos. on Sec-I & 8 Nos. on Sec-II) xii) 420 kV, 125MVar Bus Reactor along with bays: 2 Nos. (1 on Sec-I & 1 on Sec-II) xiii) ±400MVar STATCOM with 400kV bay – 2 No. (1 on Sec-I & 1 on Sec-II) Future provision (space for): v) 220 kV line bays: 3 No. on Sec-I & 3 Nos. on Section-II	Please note that, in our proposed offer, we have only considered space for the present scope bays. We are considering that the future bays are to be placed in a separate building, or the present building will be extended in the future substation package. Kindly confirm the same.	Confirmed. Space for the present scope bays shall be considered.
31	1.0) Section Project_R0 Cl.No. 6) c Pg. No. 21/30 & Cl.No. 9.19 Pg. No. 29/30	As per section project Cl. No. 6) c (pg.no. 21/30): Note (*): GIS bay modules Line shall be provided under present scope for diameter completion with provision of Switchable Line Reactor in future for Line Bay. As per Section project Cl. No. 9.19 (pg.no. 29/30): 9.19 400kV GIS BAY MODULE for Line Bay, where line feeder is to be connected in future, shall have provision to connect the switchable line reactor bay. This GIS BAY MODULE shall be provided with End Piece (Interface) modules with isolating test link for future extension.This GIS BAY MODULE for Line Bay, along with end piece modules, shall be designed in such a way that the upcoming GIS modules shall be able to connect without any hindrance and without any dismantling of the existing GIS modules, associated accessories and structure, whether this GIS BAY MODULE for Line Bay is placed in the middle diameter or at the end in GIS hall.	We would like to inform you that for 420kV Kalyanpur, as per our understanding, the space and connection provision for future S/W Line reactor bays is required in the present scope, 3 nos. of Line bays. Also, the standard Width of 15.5 meters of the 420kV GIS building is mentioned in the provided '9_Aproved Drawing 400kV GIS' document, and it is mentioned in section project that this future S/w line reactor bay shall be connect to the existing GIS without any hindrance and dismantling of existing GIS modules, accessories, support structures, etc. Therefore, to provide the space and connection provision for S/w line reactor bays, we need to increase the standard Width of 15.5 meters to 19.3 meters. Currently, we are considering the width of the GIS Building as 19.3 meters for our offer. Also, it is considered that these future S/w line reactor bays will not have an auxiliary busbar, and the space and connection provision for the same is not considered. Kindly confirm the same.	Bidder to quote as per provisions in bidding documents.
32	2.0 GTR Rev 15 Cl.No. 18.2 Pg. No. 27/134	For LCC, Marshalling box the Stainless steel used shall be of grade SS304 (SS316 for coastal area) or better.	All LCC and marshaling boxes will be installed indoor side, it is a well-controlled temperature and humidity; it doesn't need to apply the SS316, we apply it with general mild steel. Kindly accept the same.	Bidder to quote as per provisions in bidding documents.
33	General	CT data for 420kV Bus Sectionalizer bay (420kV Kalyanpur)	The CT data required for the Bus Sectionalizer and Bus Coupler bays is not mentioned in the technical specification. Therefore, currently we are considering the CT data for the Bus Sectionalizer bay as per the previously executed PGCIL project. i.e. 4000-3000-2000/1 (3+2 core). Kindly confirm the same.	Refer Amendment No 1
34	General	CT data for 245kV Bus Sectionalizer and Bus Coupler bays (245kV Kalyanpur)	The CT data required for the Bus Sectionalizer and Bus Coupler bays is not mentioned in the technical specification. Therefore, currently, we are considering the CT data for the Bus Sectionalizer and Bus coupler bay as per the previously executed PGCIL project. i.e. 3000-2000-500/1 (3+2 core). Kindly confirm the same.	Refer Amendment No 1

35	BPS - Sl. No. 45,46 & 47	under head of Augmentation of Substation Automation System for 400kV Main Bay, 400kV Tie Bay & 200kV Bay has been mentioned	We have not found detail in technical specifications against Augmentation of Substation Automation System. As work involve in this project is very vast, it is requested to kindly provide detail for Substation Automation System along with make of existing installed equipment and any other detail which is applicable.	Details/document shall be shared with successful bidder during detailed engineering.
36	Typ SLD		Our type tested 400kV and 245 kV has passive non segrated busbar design. We meet the requirement of service continuity, maintenance & repair without provision of any barrier in busbar. All the requirement of repair & maintenance as per specifications are met with passive non-segregated busbar design. This design is accepted by various utilities in India and Abroad and also in ongoing projects of PGCIL. This type of passive non-segregated busbar design is working satisfactorily at site without any issues hence we request an acceptance of this design.	Acceptable in case other requirements of Technical Specifications are fulfilled for offered design of GIS.
37	BOQ	Coupling Trafo	As per BOQ coupling trafo is required to switch Syncon feeders. Please support if there are any specific requirement to switch these coupling trafo	Bidder to quote as per provisions in bidding documents.
38	General	Lightening impulse voltage	We understand that lightening impulse for required GIS and GIB is as below: 1. 420kV : 1425 kV 2. 245kV: 1050 kV	Lightening Impulse for required GIS and GIB shall be as per IEC standards.
39	Sub vendor qualification criteria	RFP / Bidding Documents for TBCB Projects PGCIL Sub Contractor Assessment Criteria (as applicable post award)	Bidder seeks clarification on the applicability of Sub Contractor Assessment / Approval Criteria for EPC contracts under TBCB projects. We confirm that we are bidding as a full EPC contractor. Any agencies engaged will be labour/support contractors only, working under our direct supervision, with full responsibility, control, quality, safety, design , site management, project management and performance retained by us as EPC contractor. The RFP / Contract Documents do not stipulate evaluation or approval of labour contractors engaged by the EPC bidder. Applying Sub Contractor Assessment criteria post award alters the EPC risk framework and introduces conditions not envisaged at bidding stage. Request POWERGRID to clarify and confirm that: Sub Contractor Assessment / Approval criteria shall not be applicable to labour/support contractors engaged by EPC contractor. Evaluation shall be limited to the EPC bidder only, as per RFP. Kindly confirm.	In this regard, the provisions of the Bidding Documents are amply clear and shall remain unchanged.
40	220kV PEB Building Illumination system, Fire Protection system, EOT Crane, Ventilation system	Price schedule-1, Sr. 51, 57, 66, 77 Price schedule-3, Sr. 47, 48, 53, 68, 69, 73	As per price schedule, Supply & installation of HVAC system, Illumination system, fire protection system, EOT cranes are mentioned as 2 Sets for 220kV GIS Hall, AHU & Panel rooms. It is learnt that two separate 220kV GIS PEB buildings are envisaged in scope. Please confirm our understanding.	Confirmed. At this stage two GIS hall is consiidered. However it shall be finalized during detailed engineering based on final plot and GA in line with provisions of bidding documents.

41	220kV PEB Building Illumination system, Fire Protection system, EOT Crane, Ventilation system	Price schedule-1, Sr. 51, 57, 66, 77 Price schedule-3, Sr.125-127	In civil works total area is mentioned as 1 SET for 220kV PEB Buildings, Panel rooms and AHU rooms under Sr. 125 to 127 in Schedule-3. Please confirm area for each 220kV GIS Hall, panel room & AHU rooms for sizing of ventilation system, illumination system, Fire protection system, EOT crane etc.	Bidder to quote as per provisions in bidding documents.
42	220kV PEB Building	Standard drawing	Please provide standard drawing for 220kV GIS Building. In tender document drawing for only 400kV GIS building is available. Please confirm standard width envisaged for 220kV GIS Hall.	Shall be finalized during detailed engineering.
43	220kV PEB Building & GIS bays	Price schedule-1, Sr. 15 to 22	As per scope of works for PEB Building, it is learnt that two nos 220kV GIS PEB buildings are in scope. Please confirm bifurcation of 220kV bays in each GIS building for space allocation.	Shall be finalized during detailed engineering.
44	220kV PEB Building & GIS bays	Price schedule-1, Sr. 22	245kV, 3000A, 3Ph GIS Bus duct of 120M is mentioned in price schedule. We understand that this bus GIS duct shall inter-connect 220kV GIS Busbars in two GIS buildings and shall be suitable for outdoor installation conditions.	Confirmed, 245kV, 3000A, 3Ph GIS Bus duct shall inter-connect 220kV GIS Busbars in two GIS buildings and shall be suitable for outdoor installation conditions.
45	400kV & 220kV GIS PEB Buildings		Please confirm distance between 400kV & two nos GIS buildings for control, power & communication cable laying required between these GIS buildings.	Development of Electrical layout based on available land is in the scope of bidder.
46	General	GIS LCC	Please clarify if the LCC's are integrated with GIS bays or standalone LCC's are required.	Bidder to quote as per provisions in bidding documents.
47	Section Project - C.(b)	TELECOMMUNICATION EQUIPMENT & PMU: QUANTITY AS PER BPS	As per the scope of work, it is understood that a separate PMU panel is required. Further, each PMU supplied under this project shall support measurement of voltage and current for at least two feeders/bays, and all associated cabling and interconnections for extending CT/CVT signals and digital inputs from Line Bays, ICTs, Reactors and STATCOM bays up to the PMU panel shall be under the Bidder's scope.	PMU and associated items are envisaged to be placed in Line Panel. However, depending on space constraint in line panel, separate panel may be provided. Bidder to quote as per provisions in bidding documents.
48	Section Project - B. (a, b)	AIS AND OTHER MAIN EQUIPMENT	As per the scope of work, Wave Trap is required in AIS equipment. Accordingly, we understand that PLCC shall also be included in the scope. Please clarify and provide the detailed scope of PLCC equipment including Wave Trap, CVT/CC, LMU, PLCC panels, cabling and associated accessories.	Bidder to quote as per provisions in bidding documents.
49	Price Bid	EOT CRANE	As per the bid, the requirement of EOT cranes for the 220kV GIS building is mentioned as 2 nos. However, as per our understanding, only 1 no. EOT crane is required for the GIS hall. Kindly clarify and confirm the exact requirement, including the required quantity, location and applicable scope of the EOT crane.	At this stage two GIS hall is considered. However it shall be finalized during detailed engineering based on final plot and GA in line with provisions of bidding documents. Bidder to quote as per provisions in bidding documents.
50	Technical Specification, Section – Project (Rev.0) clause 2A), page 5 of 30	i) ICT: 400/220kV, 500MVA ICT – 10 Nos. (5 on Sec-I & 5 on Sec-II) – 400 KV Class Transformers shall be Owner Supplied iii) 400 kV ICT bays: 14 nos iv) 400 kV ICT (Future) bays: 02 nos.	A) The ICT is mentioned as 10 Nos whereas the ICT bays is mentioned as 14 nos. Bidder understand 04 no ICT bays is for 400kV Side of 765/400kV ICT. B) For ICT (Future bays), the GIS bays will be installed upto the GIS Building wall. Please confirm.	A) Confirmed, Bidder's understanding is correct. B) Please refer Clause 9.20 of Section Project of technical specification. "For GIS bay modules required to complete the diameter, where the feeder is to be connected in future, GIS bus ducts shall be brought outside the GIS hall and shall be provided with end (Interface) module along with suitable isolating test link for future connection. Associated end (Interface) module shall deemed to be part of outdoor bus duct which shall be measured from the outer edge of the wall of the respective GIS Hall/Building and shall be paid separately, against respective BPS items."
51	Technical Specification, Section – Project (Rev.0) clause 2A), page 5 of 30	220kV GIS (Present Scope) i)220kV ICT bays – 10 Nos ii)220 kV Sectionalization bay: 1-set	Bidder understand 5 ICT bays will be installed on Sec-I and 5 ICT bays in Sec-II. Please confirm.	Confirmed, Bidder's understanding is correct.
52	Technical Specification, Section – Project (Rev.0) clause 2B), page 6 of 30	Note ii)All erection hardware items, structure, BPI etc. of 400kV class required for switching arrangement with spare 1-Ph unit of 765/400kV Autotransformer along with overhead connection of bushings of 765/400kV and 400/220kV Autotransformers to substation equipment including all associated terminal connectors.	A)Bidder understand the overhead connection of bushing will be for 400kV side only.Please confirm. B) Bidder understand the delta and neutral connections are also in the current scope. Please confirm.	A) Overhead connection of 400kV class bushing for 765/400kV AutoTransformer and 400kV and 220kV class bushing for 400/220kV Autotransformer is under present scope. B) The delta and neutral connections for 765/400kV ICT are envisaged in separate package.
53	Technical Specification, Section – Project (Rev.0) clause 6c), page 21 & 22 of 30	400 kV Bus Sectionalization shall be with the following feeder distribution:	Under 400kV Bus Section -I, a & b. The number of bays are not appearing. Please clarify.	Refer Amendment No 1

54	Technical Specification, Section – Project (Rev.0) clause 2.3.1.B.q), page 8 & 9 of 20	Visual Monitoring System:- Further, in addition to the gates of the switchyard, the cameras shall also be located around the boundaries of entire S/s plot at suitable locations.	A) Bidder understand the boundary is considered for the current scope only. Please confirm. B) If future to be considered as well please provide tentative perimeter length of the boundary. C) Kindly specify the requirement of Camera around the boundaries of entire SS plot. 1. Which type of camera are acceptable along boundary, Bullet type or PTZ type. 2. Whether the cameras are pole mounted or wall mounted. 3. Applicable criterias for spacing between cameras for boundary wall. 4. Whether all cameras shall on integrated on same system or seperate system is required for boundary wall cameras	Bidder's query is not clear. However for better scope clarity bidder may refer Clause 2.1.1.1.B).m. of Section Project.
55	Technical Specification, Section – Project (Rev.0) clause 2A), page 5 of 30	vij) 400kV Syncon Bays -2 Nos	Bidder understand there is no additional requirement/specification for syncon bays. Please confirm.	Bidder to quote as per provisions in bidding documents.
56	Technical Specification, Section – Project (Rev.0) clause 9.23), page 30 of 30	Synchronous condenser is proposed to be installed at Kalyanpur (GIS) s/s under separate package and any inputs or details as required for Study & Design of Syncon is to be provided by the Contractor.		
57	Technical Specification, Section – Project (Rev.0) clause 9.11), page 27 of 30	For new as well as substation extn packages, the contractor must ensure that the open storage platform (as per Drawing No. C-ENGG-CVL-STD-PLATFORM-01, Rev.0) is constructed for storage of outdoor type equipment/material prior to commencement of delivery at site.	The mentioned drawings is not available in the tender documents. Please provide a copy of the drawing.	The mentioned drawing is given at Annexure-I of Section GTR
58	Technical Specification, Section – Project (Rev.0) clause 2.1.1.3F iv)), page 14 of 30	iv) GIS Building:	Bidder understand the GIS building dimensions to be considered for the current scope of bays only. Please confirm.	Confirmed, Bidder's understanding is correct.

S. No	Reference Document Name / Clause No / Page No	Specification Clause	Bidder's Queries	POWERGRID Reply
1	General	220 kV GIS Building	As per Sch-1 BOQ requirement, we are considering 2 nos 220kV GIS Building one for Section-I and one for Section-II. Please confirm	Noted
2	General	400 & 220 kV GIS Building	We are not considering future bays space in GIS Building, following Civil BOQ size for Building. Please confirm.	Noted
3	Section Project	Augmentation of Visual Monitoring System (VMS)	As per section project - We are considering 15 no. of Fixed Color IP Camera suitably located in the New 400kV & 220kV GIS halls and 8 Nos Color IP camera with PAN, Tilt & Zoom facility suitably located in 400kV & 220kV outdoor Switchyard, with all related accessories, further we are not considering any other cameras Qty out of Section project, Please confirm.	Bidder to quote as per the provision in bidding document
4	General	Bus Sectionalizer	As per section project and BOQ, Bus Sectionalizer rating is 4000A, in further if current rating will increased, price implication shall be applicable, Please confirm	Bidder to quote as per the provision in bidding document
5	Section Project	Clause 6.C - GIS bay modules Line shall be provided under present scope for diameter completion with provision of Switchable Line Reactor in future for Line Bay.	In BOQ there is not any Switchable Line Reactor bays considered for line bays for diameter completion, we have to consider it or not, Please confirm.	Bidder to quote as per the provision in bidding document
6	General	Erection Hardware for Syncon bays	As Erection hardware for Syncon bays not part of BOQ, no work envisaged in our scope for it, Please confirm.	Bidder to quote as per the provision in bidding document
7	General	Cables	All Cables from Trafo/ Reactor to CMB is in supplier scope only. Kindly confirm	Confirmed
8	Section Project	Clause 2.1.1.1 B d -Integration of Online insulating oil drying system based on IEC-61850 for 400/220kV Transformers and 420kV Reactors (supplied for present scope through separate package) with SAS along with associated Ethernet switch, LIU patch cords etc. is under present scope.	As ODS not part of our supply, hence all communication material of ODS up to CMB not in our scope, however form CMB to SCADA communication in our scope, Please confirm.	Bidder to quote as per the provision in bidding document
9	General	Land Acquisition for Proposed 400/220kV Kalyanpur Substation	It is understood that the proposed land is already occupied by the client and encumbrance free land will be provided to the bidder. Please confirm.	Land is yet to be acquired. Bidder to quote as per the provision in bidding document
10	General	Land Coordinates for Proposed 400/220kV Kalyanpur Substation	Request you to share the coordinates (4 corners) of the proposed land for construction of substation to enable assessment of site accessibility and logistics prior to bidding.	Refer our reply above
11	General	Land Development for Proposed 400/220kV Kalyanpur Substation	Request you to share the contour of the proposed land along with the FGL to be considered for computing land development works. Also, request you to provide the geotechnical investigation report to understand the soil strata of the proposed land, to estimate the depth for different soil type (i.e. Black cotton soil / hard soil / rock strata), water depth & other consideration to adopt the foundations types (open/pile).	The Contouring, levelling and soil investigation of the land is in the bidder's scope. Bidders to quote as per BPS & TS.
12	General	FFL, plinth & road levels	Please provide FFL, plinth & road levels for our design engineering works.	Bidders to quote as per BPS & TS
13	General	Cutting of Trees in the proposed 400/220kV Kalyanpur Substation	It is understood that the proposed land for sub stations does not consist of any trees. If the land consists of trees which are to be cut down, the required approvals/permissions and associated charges related will be borne by the client. Please confirm.	Refer d 20.4 of TS, Section: Civil Works, Rev 12 for bidder's scope.
14	General	Reference Standard Civil & Structure drawings for Tower/Gantry/LM/Equipments/Transformer/Reactor/DG Set	Request you to kindly share the civil & structure drawings for Tower/Gantry/LM/Equipments/Transformer/Reactor/DG Set for our reference and better understanding.	Bidder to quote as per BPS & TS.
15	Section Project and Price Schedule (Sch -3)	Clause 2.2.1.3 - (F) -(viii), Sno 128, 129, 130, 131, & 132	Kindly clarify whether the Cast in Situ section 1-1 and Precast Elements (Section 2-2, 2A-2A, 3-3, & 4-4) should be installed on a sloped PCC bedding or the trench section height will be varied and the slope will be achieved through screeding.	Bidder to quote as per BPS & TS.
16	General	Drainage Requirement	Request you to kindly provide historical rainfall data and flood data for any drainage requirement (if) outside substation boundary. Also, Please confirm the outfall point where the storm water drain would be connected.	Rainfall data to be arranged by the bidder. The outfall point where the storm water drain would be connected will be confirmed during detailed engineering based on site contour. Bidder to quote as per BPS and as per provisions of bidding documents.
17	General	Civil Drawings	Kindly share the standard civil drawings of PEB- PEB-220kV GIS, 220kV PEB Panel Room, 220kV PEB AHU Room & Precast Fire Wall for our understanding and estimation purpose.	Bidder to quote as per the requirement of bidding document
18	Price Schedule (Sch -3)	Sno. 135 (Dismantling & Demolishing works)	We do not envisage any dismantling or demolition works other than mentioned in the Price (Schedule-3) at the new 400/220kV Kalyanpur Substation. If any such additional work required, we request you to kindly provide a revised BOQ including the additional items related to this scope, along with details of the disposal point.	Bidder to quote as per the requirement of bidding document
19	General	Hard Rock	It is understood that if blasting is required for hard rock areas then, the required approvals/permissions and the associated official charges will be borne by the Client. If the charges are to be borne by the bidder then the said charges will be reimbursed on submission of proofs for the same. Please confirm.	The required permissions/licenses etc. for such operations shall be obtained by the bidder. The charges for such permissions shall also be borne by the bidder. No reimbursement on such account shall be made.
20	General	Price Schedule (Sch - 3)	We understand that the quantity mentioned in "Price schedule" is tentative and for any changes in quantity or additional items during detailed engineering/execution, Bidder may ask for quantity amendment. Please confirm.	Bidder to quote as per the requirement of bidding document

21	General	Use of Alternate Constructional Material (M sand, Crush Sand, Stone Dust, PPC etc.)	Please confirm the usage of alternate construction materials like (M sand, Stone Dust, PPC etc.) due to location/availability/government orders constraints. Also, Please confirm that we can use M sand, Stone Dust, Crush Sand etc. over river sand for following construction works: i. Concrete works ii. Plastering and masonry iii Any other specific applications as per project requirements	Technical Specification/SFQP documents attached with tender documents or available at POWERFRID website are to be referred.
22	General	Statutory Clearances/Permission/Approvals/ ROW	The Bidder understands that any sort of statutory clearances/permissions/approvals activities w.r.t. a) Forest Clearances and Tree Cutting (as applicable) b) Right of Way c) Railway Clearance /Road Crossings/Bridge Crossings (if applicable) d) Unauthorized Construction e) Any civic authorities e) any other site access restrictions shall be in Customer's scope. Please confirm. Any cost incurred w.r.t. the same shall be to Customer's Scope. Suitable time extension shall be given to the bidder for such access restrictions / other restrictions.	Bidder to quote as per the requirement of bidding document
23	General	Land Development	Please confirm that the scope of land development is limited to the current project requirements only and does not include any future expansion/extension or development."	Bidder to quote as per the requirement of bidding document
24	General	Pile work/Stone column	As per our understanding, there is no requirement of stone column/pile/pile cap works. If it is required then, Please share the amended BOQ with an additional items related to this scope. Please confirm.	Presently stone column/pile/pile cap works is not envisaged. However, if required during detailed Engg the same shall be dealt as per the provision of bidding documents
25	General	Construction Power & Water Supply	It is understood that the water supply & power arrangement for construction purpose will be provided upto a single point adjoining the site by the client free of cost. Please confirm.	Refer A1.2 of FAQ of Specific Requirement of Section Project
26	General	Nallah Diversions	We do not envisage any Nallah diversion required neither for new sub station nor any extension sub station. If Nallah diversion is needed then request you to please provide specific line item & quantity for the same in the amended BOQ.	Bidder to quote as per the requirement of bidding document
27	Order of Precedence	Order of Precedence	In case of any discrepancy in price schedule (BPS), section project and technical specification, kindly confirm the order of precedence for consideration of item.	Please refer Clause 1.1 -Frequently asked question.
28	Standard 400kV GIS Building Architectural Drawing. PS - Schedule III - Item No 122-124	We have noticed that, discrepancy in the civil PS quantity (Schedule III - Item No 122 to 124) and provided standard GIS bidg drawing qty. Kindly update the drawings as per the project requirements.	Request M/s PGCIL to Provide upadted drawings as per the project requirements.	Indiative drawing of 400kV GIS building is attached with tender drawing. Actual size of building shall be finalized during detailed engineering. Design & drawing of GIS building is in bidder's scope. Bidder to quote as per BPS & TS.
29	Technical Specification, Section – Project (Rev.0) (v) Pre-cast Fire wall: 11. Mode of measurement	The mode of measurement clause for precast firewall states that "the work for foundations (shallow depth or deep foundations) shall be deemed to be included in these quoted rates itself." However, the type and depth of foundation required for precast firewalls is highly dependent on site-specific soil conditions, SBC, seismic considerations, wind loads, and fire wall height, which are not fully defined at the bidding stage creating a significant commercial risk and uncertainty for bidders. Bidder proposes that "Foundation up to 2.5 m depth based on assumed SBC of 12 T/m ² shall be deemed included in quoted rates with ground improvement, piles, pile caps measured and paid extra as per relevant TS clauses. Any requirement of deep foundation/ special foundation systems due to site conditions or design requirements shall be measured and paid separately under relevant BOQ items or extra items ." Kindly confirm	Request M/s PGCIL to kindly confirm the acceptance.	All works including foundations (shallow depth or deep foundations) are deemed to be included in BPS item of precast RCC fire wall. However, ground improvement (stone packing and stone columns) if required during detailed engineering, shall be measured and paid separately. Bidders to quote as per BPS & TS.
30	General	X/R ratio for 420kV GIS bays to be connect to Syncon	Request M/s PGCIL to kindly support with X/R ratio that is responsible for 420 kV GIS for coupling Trafo bays switching syncon. Also understand that 220 kV GIS systems are not concerned with Syncon system	X/R ratio of 400kV Bus will be provided during detailed engineering stage. Bidder is required to consider network system parameters as defined in section GTR for 400kV bays. However, Syncon is envised to be connected with 400kV Bus only.
31	General	We understand that out of 16 ICT feeders as mentioned in BOQ, 10 feeders are of 420/220 kV ICT and requires no Aux busbar arrangement. 06 ICT bays are of 765/420 kV ICT and required Aux bus.	Kindly Confirm our understanding.	Bidder's understanding is correct.
32	General	The requirement of 360 mtrs single phase 3000A GIB for 245 kV GIS is not clear.	Please clarify	245kV Main Bus connection between two seprate GIS halls is envisaged under present scope. 3000A Outddor GIB is considered for the same.
33	TELECOMMUNICATION EQUIPMENT & PMU: QUANTITY AS PER BPS	Please confirm the requiremnt of PLCC & FOTE System	Please clarify	FOTE:- Bidder to bid as per BPS. PLCC:- Bidder to quote as per provisions in bidding documents.