



Bharat Heavy Electricals Limited

(A Govt. of India Undertaking)

Transmission Business Group

Materials Management, 5th Floor, Plot No.25,

Sector-16A, Noida, Uttar Pradesh, PIN No: 201301

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CORRIGENDUM - 15 TO NIT NO-95618

Dated 13-01-2026

Subject: Corrigendum-15 to Tender enquiry for Pre-Bid Tie up for Supply & Services of 400KV GIS for POWERGRID's Substation Package SS-142T (Niglok).

Project : POWERGRID's Substation Package SS-142T (Niglok)
Equipment / Item : Supply & Services of 400kV GIS and Its associated equipment
Enquiry No/Date : Enquiry No. 61Q2600368 Dated 13-11-2025
BHEL NIT NO : 95618
Original Tender due date : 24-11-2025

This Corrigendum is issued by BHEL TBG against above mentioned NIT/ enquiry for issuance of Technical Corrigendum Rev-03. Due to change in BOQ, Revised price bid format (unpriced) for 220KV GIS is also enclosed and same need to be followed for bid submission.

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 **2025_BHEL_54749_1**.

Thanking you

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

Gaurav Agarwal
BHEL TBG, NOIDA

Ref. No. Technical Corrigendum-03

Project: Pre-Bid Tie up for 400 kV GIS Substation Package SS142T for (a) Establishment of 400 kV GIS Switching station (New) at Niglok in Arunachal Pradesh (b) Extension of 400 kV (AIS) S/s at Gogamukh associated with "NERGS-III Siang Basin" through tariff based competitive bidding (TBCB) route prior to RfP bid submission by POWERGRID to BPC; Specification No: CC/TW-GIS/DOM/A04/25/13443

Package/Item: GAS INSULATED SWITCHGEAR WITH ITS ACCESSORIES

Technical Specification No. TB-PBTU-GIS-PGCIL-NIGLOK, REV-00

Date: 13.01.2026

Sl. No.	Volume/ Section/ Clause	Volume/ Section/ Clause as Existing	Volume/ Section/ Clause as Amended/ Added in Technical Corrigendum
1	Technical Specification / Section 1.5	Section-1.5 - BOQ (Bill of Quantity)	Amendment No. III (Technical) dated 13.01.2026 to the Technical Portion of the Bidding Document. (Copy attached).
2	-	-	Clarification No. III (Technical) dated 13.01.2026 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.

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Amendment No. III (Technical)

Amendment No. III (Technical) dated 13.01.2026 to the technical portion of the Bidding Document for **Pre-Bid Tie up for 400 kV GIS Substation Package SS142T** for (a) Establishment of 400 kV GIS Switching station (New) at Niglok in Arunachal Pradesh (b) Extension of 400 kV (AIS) S/s at Gogamukh associated with "NERGS-III Siang Basin" through tariff based competitive bidding (TBCB) route prior to RfP bid submission by POWERGRID to BPC; Specification No: CC/T/W-GIS/DOM/A04/25/13443

Sl. No.	Clause Ref. No.	Existing provision	Amended as								
1	Section 1.5 of Technical Specification- [BOQ (Bill of Quantity)]	Bill of Quantity: ANNEXURE- BOQ_GIS_220KV_NIGLOK_R EV-00	<p>Section 1.5 of Technical Specification, Bill of Quantity (enclosed herewith), is amended as below:</p> <ul style="list-style-type: none"> ANNEXURE- BOQ_GIS_220KV_NIGLOK_REV-01 (Applicable for 220KV GIS) <p>New item added in BoQ:</p> <table border="1"> <thead> <tr> <th>2.00</th> <th>SPARES- GIS : 220kV, 50kA FOR 1S, MANDATORY SPARES AS PER TS</th> <th>UNIT</th> <th>QTY</th> </tr> </thead> <tbody> <tr> <td>2.52</td> <td>SF6 PRESSURE GAUGE CUM SWITCH/ DENSITY MONITORS AND PRESSURE SWITCH AS APPLICABLE, OF EACH TYPE-220KV GIS</td> <td>SET</td> <td>3</td> </tr> </tbody> </table>	2.00	SPARES- GIS : 220kV, 50kA FOR 1S, MANDATORY SPARES AS PER TS	UNIT	QTY	2.52	SF6 PRESSURE GAUGE CUM SWITCH/ DENSITY MONITORS AND PRESSURE SWITCH AS APPLICABLE, OF EACH TYPE-220KV GIS	SET	3
2.00	SPARES- GIS : 220kV, 50kA FOR 1S, MANDATORY SPARES AS PER TS	UNIT	QTY								
2.52	SF6 PRESSURE GAUGE CUM SWITCH/ DENSITY MONITORS AND PRESSURE SWITCH AS APPLICABLE, OF EACH TYPE-220KV GIS	SET	3								

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SECTION-1.5
BILL OF QUANTITY (220KV GIS)

ANNEXURE- BOQ_GIS_220KV_NIGLOK_REV-01

Sl. No.	ITEM DESCRIPTION	UNIT	QTY	REMARK
1.00	SUPPLY- GIS : 220kv, 50ka FOR 1S, GAS INSULATED SWITCHGEAR (GIS) AS PER TS			
1.01	245 KV, 3500A, 50KA, 3 PHASE SF6 GIS BUS BAR MODULE AS PER SECTION-PROJECT, TECHNICAL SPECIFICATION	SET	2	
1.02	245KV, 2000A, 50 KA, SF6 GIS ICT FEEDERBAY MODULE AS PER SECTION-PROJECT, TECHNICAL SPECIFICATION	SET	2	
1.03	245KV, 2000A, 50 KA, SF6 GIS LINE FEEDER BAY MODULE AS PER SECTION-PROJECT, TECHNICAL SPECIFICATION	SET	2	
1.04	245KV, 3500A, 50 KA, 3 PHASE SF6 GIS BUS COUPLER BAY MODULE AS PER SECTION-PROJECT, TECHNICAL SPECIFICATION	SET	1	
1.05	245KV, 2000A, 50KA, 3 SINGLE PHASE/3 PHASE, SF6 GAS INSULATED BUS DUCT (GIB) OUTSIDE GIS HALL ALONGWITH ASSOCIATED SUPPORT STRUCTURE (QUANTITY MENTIONED HERE IS FOR 3 PHASE TYPE)	MTR	210	
1.06	245KV, 2000A, 50KA SINGLE PHASE SF6 TO AIR BUSHING	SET	12	
2.00	SPARES- GIS : 220kv, 50ka FOR 1S, MANDATORY SPARES AS PER TS	UNIT	QTY	
2.01	220KV GIS-SF6 GAS PRESSURE RELIEF DEVICE ASSEMBLY OF EACH TYPE	SET	2	1 SET= 1 NUMBER OF EACH MAKE, TYPE AND RATING
2.02	COUPLING DEVICE FOR PRESSURE GAUGE CUM SWITCH FOR CONNECTING GAS HANDLING PLANT OF EACH TYPE-220KV GIS	SET	2	
2.03	RUBBER GASKETS, 'O' RINGS AND SEALS FOR SF6 GAS FOR GIS ENCLOSURE OF EACH TYPE-220KV GIS	SET	3	
2.04	220KV GIS-MOLECULAR FILTER FOR SF6 GAS WITH FILTER BAGS (5 % OF TOTALWEIGHT)	SET	1	
2.05	CONTROL VALVES FOR SF6 GAS OF EACH TYPE-220KV GIS	SET	3	
2.06	220KV GIS-SF6 GAS (5 % OF TOTAL GAS QUANTITY)	LOT	1	
2.07	LOCKING DEVICE TO KEEP THE DIS-CONNECTORS (ISOLATORS)AND EARTHING/FAST EARTHING SWITCHES (AS APPLICABLE) IN CLOSE OR OPENPOSITION IN CASE OF REMOVAL OF THE DRIVING MECHANISM-220KV GIS	SET	3	
2.08	UHF PD SENSORS OF EACH TYPE ALONG WITH BNC CONNECTOR FOR 245KV GIS	SET	5	1 SET= 1 NUMBER OF EACH MAKE, TYPE AND RATING
2.09	220KV GIS-SUPPORT INSULATORS (GAS THROUGH) OF EACH TYPE (COMPLETE WITHMETAL RING ETC.) ALONG WITH ASSOCIATED CONTACTS AND SHIELDS	SET	5	1 SET= 1 NUMBER OF EACH MAKE, TYPE AND RATING
2.10	220KV GIS-GAS BARRIERS OF EACH TYPE (COMPLETE WITH METAL RING ETC.) ALONG WITH ASSOCIATED CONTACTS AND SHIELDS	SET	5	1 SET= 1 NUMBER OF EACH MAKE, TYPE AND RATING
2.11	245KV, 2000A, 50KA SINGLE PHASE SF6 TO AIR BUSHING	SET	1	
2.12	LCC SPARES - AUX. RELAYS, CONTACTORS, PUSH BUTTONS, SWITCHES, LAMPS, ANNUNCIATION WINDOWS, MCB, FUSES, TIMERS, TERMINAL BLOCKS ETC. OF EACHTYPE & RATING-220KV GIS	SET	2	
2.13	220KV GIS-ONE POLE OF 2000A CIRCUIT BREAKER WITH INTERRUPTER, MAINCIRCUIT, ENCLOSURE AND OPERATING MECHANISM COMPLETE IN ALL RESPECT	SET	1	
2.14	220KV GIS-ONE POLE OF 3500A CIRCUIT BREAKER WITH INTERRUPTER, MAINCIRCUIT, ENCLOSURE AND OPERATING MECHANISM COMPLETE IN ALL RESPECT	SET	1	
2.15	TRIP COIL ASSEMBLY WITH RESISTOR FOR245KV GIS CIRCUIT BREAKER (ASAPPLICABLE)	SET	3	
2.16	CLOSING COIL ASSEMBLY WITH RESISTOR FOR245KV GIS CIRCUIT BREAKER (ASAPPLICABLE)	SET	3	
2.17	RELAYS, POWER CONTACTORS, PUSH BUTTONS, TIMERS & MCBS ETC. (ASAPPLICABLE) OF EACH TYPE FOR 220KV GIS CIRCUIT BREAKER	SET	1	
2.18	AUXILIARY SWITCH ASSEMBLY OF EACH TYPE FOR 245KV GIS CIRCUIT BREAKER	SET	3	
2.19	220KV GIS CIRCUIT BREAKER-OPERATION COUNTER	SET	3	1 SET= 1 NUMBER OF EACH MAKE, TYPE AND RATING
2.20	220KV GIS CIRCUIT BREAKER-HYDRAULIC OPERATING MECHANISM WITH DRIVEMOTOR (FOR HYDRAULIC OPERATED MECHANISM, IF APPLICABLE)	SET	1	
2.21	HYDRAULIC FILTER OF EACH TYPE (FOR HYDRAULIC OPERATED MECHANISM, IFAPPLICABLE)-220KV GIS CIRCUIT BREKAER	SET	1	
2.22	220KV GIS CIRCUIT BREAKER- HOSE PIPE OF EACH TYPE (AS APPLICABLE) (FORHYDRAULIC OPERATED MECHANISM, IF APPLICABLE)	SET	1	
2.23	220KV GIS CIRCUIT BREAKER - N2 ACCUMULATOR (FOR HYDRAULIC OPERATEDMECHANISM, IF APPLICABLE)	SET	1	
2.24	VALVES OF EACH TYPE (FOR HYDRAULIC OPERATED MECHANISM, IFAPPLICABLE)-220KV GIS CIRCUIT BREKAER	SET	1	
2.25	PIPE LENGTH (COPPER & STEEL) OF EACH SIZE & TYPE (FOR HYDRAULICOPERATED MECHANISM, IF APPLICABLE)-220KV GIS CIRCUIT BREKAER	SET	1	
2.26	PRESSURE SWITCHES OF EACH TYPE (FOR HYDRAULIC OPERATED MECHANISM, IFAPPLICABLE)-220KV GIS CIRCUIT BREKAER	SET	1	
2.27	PRESSURE GAUGE WITH COUPLING DEVICE OF EACH TYPE (FOR HYDRAULICOPERATED MECHANISM, IF APPLICABLE)-220KV GIS CIRCUIT BREKAER	SET	1	
2.28	220KV GIS CIRCUIT BREAKER-HYDRAULIC OIL (5% OF TOTAL OIL QUANTITY) (FOR HYDRAULIC OPERATED MECHANISM, IF APPLICABLE)	SET	1	
2.29	PRESSURE RELIEF DEVICE OF EACH TYPE (FOR HYDRAULIC OPERATED MECHANISM, IF APPLICABLE)-220KV GIS CIRCUIT BREKAER	SET	1	
2.30	220KV GIS CIRCUIT BREAKER-COMPLETE SPRING OPERATING MECHANISMINCLUDING CHARGING MECHANISM ETC. (FOR SPRING OPERATED MECHANISM, IFAPPLICABLE)	SET	1	
2.31	220KV GIS CIRCUIT BREAKER- COMPLETE HYDRAULIC-SPRING OPERATINGMECHANISM INCLUDING CHARGING MECHANISM ETC. (FOR HYDRAULIC-SPRINGOPERATED MECHANISM, IF APPLICABLE)	SET	1	
2.32	PRESSURE SWITCHES OF EACH TYPE (FOR HYDRAULIC-SPRING OPERATEDMECHANISM, IF APPLICABLE)-220KV GIS CIRCUIT BREAKER	SET	1	
2.33	PRESSURE GAUGE WITH COUPLING DEVICE OF EACH TYPE (FOR HYDRAULIC-SPRINGOPERATED MECHANISM, IF APPLICABLE)-220KV GIS CIRCUIT BREKAER	SET	1	
2.34	220KV GIS- THREE PHASE OF 2000A DISCONNECTOR SWITCH INCLUDING MAINCIRCUIT, ENCLOSURE, DRIVING MECHANISM AND SUPPORT INSULATOR ETC., COMPLETE IN ALL RESPECT	SET	4	1 SET= 1 NUMBER OF EACH MAKE, TYPE AND RATING (NOTE 1- THE CONTRACTOR SHALL SUPPLY SPARE FORDISCONNECTOR SWITCH TO ENSURE ONE TO ONE REPLACEMENT OF ALL DISCONNECTORSWITCH SUPPLIED AS MAIN EQUIPMENT WITHOUT ANY REQUIREMENT OFMODIFICATION IN FITTINGS AT SITE TO COVER ALL DIFFERENT TYPES OFDISCONNECTOR SWITCH SUPPLIED. IN CASE, QUANTITY OF SUPPLIED DIS-CONNECTOR SWITCH TYPES (FOR ONE TO ONE REPLACEMENT) ARE MORE THAN THEQUANTITY MENTIONED IN BPS FOR SPARE, THE CONTRACTOR SHALL SUPPLY THESEADDITIONAL TYPES OF DISCONNECTOR SWITCH WITHOUT ANY ADDITIONAL PRICEIMPLICATION TO POWERGRID AND QUANTITIES OF THESE ADDITIONAL TYPE OF DISCONNECTOR SWITCH ARE DEEM TO BE INCLUDED IN THE QUANTITIES MENTIONEDIN BPS FOR SPARE DISCONNECTOR. NOTE 2 - IN CASE, DIS-CONNECTOR SWITCH(DS) & EARTH SWITCH (ES) IS PROVIDED IN A SAMEENCLOSURE WITH COMMON OPERATING MECHANISM, THEN THE MODULE COMPRISING OFDIS-CONNECTOR & EARTH SWITCH IN SINGLE ENCLOSURE WITH COMMON OPERATINGMECHANISM IS TO BE PROVIDED UNDER THE HEAD OF SPARE DIS-CONNECTOR ONLY. NOTE 3 - IN CASE, DIS-CONNECTOR SWITCH (DS) & EARTH SWITCH (ES) ISPROVIDED IN A SAME ENCLOSURE WITH SEPARATE OPERATING MECHANISM, THEN THEMODULE COMPRISING OF DIS-CONNECTOR & EARTH SWITCH IN SINGLE ENCLOSUREWITH SEPARATE OPERATING MECHANISM IS TO BE PROVIDED UNDER THE HEAD OFSPARE DIS-CONNECTORONLY.)

Ray

18/04

2.35	220KV GIS- THREE PHASE OF 3500A DISCONNECTOR SWITCH INCLUDING MAIN CIRCUIT, ENCLOSURE, DRIVING MECHANISM AND SUPPORT INSULATOR ETC., COMPLETE IN ALL RESPECT	SET	2	1 SET= 1 NUMBER OF EACH MAKE, TYPE AND RATING (NOTE 1- THE CONTRACTOR SHALL SUPPLY SPARE FOR DISCONNECTOR SWITCH TO ENSURE ONE TO ONE REPLACEMENT OF ALL DISCONNECTOR SWITCH SUPPLIED AS MAIN EQUIPMENT WITHOUT ANY REQUIREMENT OF MODIFICATION IN FITTINGS AT SITE TO COVER ALL DIFFERENT TYPES OF DISCONNECTOR SWITCH SUPPLIED. IN CASE, QUANTITY OF SUPPLIED DIS-CONNECTOR SWITCH TYPES (FOR ONE TO ONE REPLACEMENT) ARE MORE THAN THE QUANTITY MENTIONED IN BPS FOR SPARE, THE CONTRACTOR SHALL SUPPLY THESE ADDITIONAL TYPES OF DISCONNECTOR SWITCH WITHOUT ANY ADDITIONAL PRICE IMPLICATION TO POWER GRID AND QUANTITIES OF THESE ADDITIONAL TYPES OF DISCONNECTOR SWITCH ARE DEEMED TO BE INCLUDED IN THE QUANTITIES MENTIONED IN BPS FOR SPARE DISCONNECTOR. NOTE 2 - IN CASE, DIS-CONNECTOR SWITCH (DS) & EARTH SWITCH (ES) IS PROVIDED IN A SAME ENCLOSURE WITH COMMON OPERATING MECHANISM, THEN THE MODULE COMPRISING OF DIS-CONNECTOR & EARTH SWITCH IN SINGLE ENCLOSURE WITH COMMON OPERATING MECHANISM IS TO BE PROVIDED UNDER THE HEAD OF SPARE DIS-CONNECTOR ONLY. NOTE 3 - IN CASE, DIS-CONNECTOR SWITCH (DS) & EARTH SWITCH (ES) IS PROVIDED IN A SAME ENCLOSURE WITH SEPARATE OPERATING MECHANISM, THEN THE MODULE COMPRISING OF DIS-CONNECTOR & EARTH SWITCH IN SINGLE ENCLOSURE WITH SEPARATE OPERATING MECHANISM IS TO BE PROVIDED UNDER THE HEAD OF SPARE DIS-CONNECTOR ONLY.)
2.36	220KV GIS- THREE PHASE MAINTENANCE EARTHING SWITCH INCLUDING MAIN CIRCUIT, ENCLOSURE, DRIVING MECHANISM AND SUPPORT INSULATOR ETC., COMPLETE IN ALL RESPECT	SET	1	1 SET= 1 NUMBER OF EACH MAKE, TYPE AND RATING (NOTE 1 - IN CASE, DIS-CONNECTOR SWITCH (DS) & EARTH SWITCH (ES) IS PROVIDED IN A SAME ENCLOSURE WITH COMMON OPERATING MECHANISM, THEN THE MODULE COMPRISING OF DIS-CONNECTOR & EARTH SWITCH IN SINGLE ENCLOSURE WITH COMMON OPERATING MECHANISM IS TO BE PROVIDED UNDER THE HEAD OF SPARE DIS-CONNECTOR ONLY. NOTE 2 - IN CASE, DIS-CONNECTOR SWITCH (DS) & EARTH SWITCH (ES) IS PROVIDED IN A SAME ENCLOSURE WITH SEPARATE OPERATING MECHANISM, THEN THE MODULE COMPRISING OF DIS-CONNECTOR & EARTH SWITCH IN SINGLE ENCLOSURE WITH SEPARATE OPERATING MECHANISM IS TO BE PROVIDED UNDER THE HEAD OF SPARE DIS-CONNECTOR ONLY.)
2.37	220KV GIS - THREE PHASE FAST EARTHING SWITCH INCLUDING MAIN CIRCUIT, ENCLOSURE, DRIVING MECHANISM AND SUPPORT INSULATOR ETC., COMPLETE IN ALL RESPECT	SET	1	1 SET= 1 NUMBER OF EACH MAKE, TYPE AND RATING (NOTE 1 - IN CASE, DIS-CONNECTOR SWITCH (DS) & EARTH SWITCH (ES) IS PROVIDED IN A SAME ENCLOSURE WITH COMMON OPERATING MECHANISM, THEN THE MODULE COMPRISING OF DIS-CONNECTOR & EARTH SWITCH IN SINGLE ENCLOSURE WITH COMMON OPERATING MECHANISM IS TO BE PROVIDED UNDER THE HEAD OF SPARE DIS-CONNECTOR ONLY. NOTE 2 - IN CASE, DIS-CONNECTOR SWITCH (DS) & EARTH SWITCH (ES) IS PROVIDED IN A SAME ENCLOSURE WITH SEPARATE OPERATING MECHANISM, THEN THE MODULE COMPRISING OF DIS-CONNECTOR & EARTH SWITCH IN SINGLE ENCLOSURE WITH SEPARATE OPERATING MECHANISM IS TO BE PROVIDED UNDER THE HEAD OF SPARE DIS-CONNECTOR ONLY.)
2.38	OPEN/CLOSE CONTACTOR ASSEMBLY, TIMERS, KEY INTERLOCK, INTERLOCKING COILS, RELAYS, PUSH BUTTONS, INDICATING LAMPS, POWER CONTACTORS, RESISTORS, FUSES, MCBS & DRIVE CONTROL CARDS ETC. (AS APPLICABLE) ONE OF EACH TYPE FOR ONE COMPLETE MOM BOX FOR 220KV GIS DISCONNECTOR SWITCH	SET	1	
2.39	OPEN/CLOSE CONTACTOR ASSEMBLY, TIMERS, KEY INTERLOCK, INTERLOCKING COILS, RELAYS, PUSH BUTTONS, INDICATING LAMPS, POWER CONTACTORS, RESISTORS, FUSES, MCBS & DRIVE CONTROL CARDS ETC. (AS APPLICABLE) ONE OF EACH TYPE FOR ONE COMPLETE MOM BOX FOR 220KV GIS MAINTENANCE EARTH SWITCH	SET	1	
2.40	OPEN/CLOSE CONTACTOR ASSEMBLY, TIMERS, KEY INTERLOCK, INTERLOCKING COILS, RELAYS, PUSH BUTTONS, INDICATING LAMPS, POWER CONTACTORS, RESISTORS, FUSES, MCBS & DRIVE CONTROL CARDS ETC. (AS APPLICABLE) ONE OF EACH TYPE FOR ONE COMPLETE MOM BOX FOR 220KV GIS FAST EARTHING SWITCH	SET	1	
2.41	LIMIT SWITCHES AND AUX. SWITCHES FOR ONE COMPLETE MOM BOX FOR DISCONNECTOR-220KV GIS	SET	2	
2.42	LIMIT SWITCHES AND AUX. SWITCHES FOR ONE COMPLETE MOM BOX FOR MAINTENANCE EARTHING SWITCH-220KV GIS	SET	2	
2.43	LIMIT SWITCHES AND AUX. SWITCHES FOR ONE COMPLETE MOM BOX FOR FAST EARTHING SWITCH (IF APPLICABLE)-220KV GIS	SET	2	
2.44	DRIVE MECHANISM FOR 220KV GIS DISCONNECTOR SWITCH	SET	1	
2.45	DRIVE MECHANISM FOR 220KV GIS MAINTENANCE EARTH SWITCH	SET	1	
2.46	DRIVE MECHANISM FOR 220KV GIS FAST EARTHING SWITCH	SET	1	
2.47	MOTOR FOR DRIVE MECHANISM FOR 220KV GIS DISCONNECTOR SWITCH	SET	1	1 SET= 1 NUMBER OF EACH MAKE, TYPE AND RATING
2.48	MOTOR FOR DRIVE MECHANISM FOR 220KV GIS MAINTENANCE EARTH SWITCH	SET	1	1 SET= 1 NUMBER OF EACH MAKE, TYPE AND RATING
2.49	MOTOR FOR DRIVE MECHANISM FOR 220KV GIS FAST EARTHING SWITCH	SET	1	1 SET= 1 NUMBER OF EACH MAKE, TYPE AND RATING
2.50	220KV GIS- SINGLE PHASE VT WITH ASSOCIATED ENCLOSURE COMPLETE IN ALL RESPECT	SET	1	1 SET= 1 NUMBER OF EACH MAKE, TYPE AND RATING
2.51	220KV GIS- SINGLE PHASE OF CURRENT TRANSFORMER (5 CORES) WITH ASSOCIATED ENCLOSURE AND PRIMARY CONDUCTOR COMPLETE IN ALL RESPECT	SET	2	1 SET= 1 NUMBER OF EACH MAKE, TYPE AND RATING
2.52	SF6 PRESSURE GAUGE CUM SWITCH/ DENSITY MONITORS AND PRESSURE SWITCH AS APPLICABLE, OF EACH TYPE-220KV GIS	SET	3	
3.00	SERVICES- GIS : 220kv, 50ka FOR 1S, GAS INSULATED SWITCHGEAR (GIS) AS PER TS			
3.01	SERVICES- GIS : 245kv, SUPERVISION OF ERECTION OF GIS	bays	5	SUPERVISION OF ERECTION OF GIS WITH MAIN BUS & AUXILIARY BUS (IF APPLICABLE), COMPLETE AS PER TS IN ALL RESPECT INCLUDING LCC, ITS ACCESSORIES AND CSD (IF APPLICABLE). IT ALSO INCLUDES VERIFICATION OF MATERIALS FOR PROPER STORAGE AT SITE FOR FINAL STORAGE. EARTHING, SF6 GAS FILLING WORKS, INTERNAL CABLING FROM GIS TO LCC, INTERFACING OF CSD (IF APPLICABLE) WITH GIS/ CRP, INCLUDING STRUCTURE WORKS ARE COVERED UNDER THIS ITEM. GIS BUS DUCT & SF6 TO AIR BUSHING (SAB) ARE NOT COVERED IN THIS BOQ ITEM.
3.02	SERVICES- GIS : 245kv, SUPERVISION OF ERECTION OF GAS INSULATED BUS DUCT (QUANTITY MENTIONED HERE IS FOR 3 PHASE TYPE)	MTR	210	SUPERVISION OF ERECTION OF GIS COMPLETE AS PER TS IN ALL RESPECT. GIS OUTSIDE THE GIS HALL WALL SHALL BE CONSIDERED FOR MODE OF MEASUREMENT. EARTHING, SF6 GAS FILLING WORKS, INTERNAL CABLING FROM GIS TO LCC, INCLUDING STRUCTURE WORKS ARE COVERED UNDER THIS ITEM. INNER SIDE GIS / AUX BUS (IF APPLICABLE) MODULE ETC ARE TO BE CONSIDERED AS PART OF RESPECTIVE GIS ASSEMBLY AND COST OF THE SAME SHALL BE DEEMED INCLUSIVE.
3.03	SERVICES- GIS : 245kv, SUPERVISION OF ERECTION OF SF6 TO AIR BUSHING	SET	12	EARTHING, SF6 GAS FILLING WORKS, INTERNAL CABLING FROM GIS TO LCC, INCLUDING STRUCTURE WORKS ARE COVERED UNDER THIS ITEM.
3.04	SERVICES- GIS : 245kv, TESTING & COMMISSIONING OF GIS	bays	5	TESTING AND COMMISSIONING OF COMPLETE GIS SYSTEM INCLUDING MAIN BUS, LCC AND ASSOCIATED SYSTEM IS TO BE EXECUTED BY BIDDER. ALL THE SPECIAL TESTING INSTRUMENTS, KITS, T&P ETC. ARE TO BE ARRANGED BY BIDDER ON RETURNABLE BASIS. PLEASE REFER RELEVANT SECTION OF TECHNICAL SPECIFICATION FOR DETAILS.
3.05	SERVICES- GIS : 245kv, TESTING & COMMISSIONING OF GAS INSULATED BUS DUCT (QUANTITY MENTIONED HERE IS FOR 3 PHASE TYPE)	MTR	210	GIS OUTSIDE THE GIS HALL WALL SHALL BE CONSIDERED FOR MODE OF MEASUREMENT. INNER SIDE GIS / AUX BUS (IF APPLICABLE) MODULE E.T.C. ARE TO BE CONSIDERED AS PART OF RESPECTIVE GIS ASSEMBLY AND COST OF THE SAME SHALL BE DEEMED INCLUSIVE. ALL THE SPECIAL TESTING INSTRUMENTS, KITS, T&P ETC. ARE TO BE ARRANGED BY BIDDER ON RETURNABLE BASIS. PLEASE REFER RELEVANT SECTION OF TECHNICAL SPECIFICATION FOR DETAILS.
3.06	SERVICES- GIS : 245kv, TESTING & COMMISSIONING OF SF6 TO AIR BUSHING	SET	12	
3.07	SERVICES- GIS : 245kv, FINAL SUCCESSFUL HV/ POWER FREQUENCY TESTING OF GIS INCLUDING ARRANGING OF HV TEST KIT ALONG WITH OPERATOR	bays	5	CARRYING OUT SUCCESSFUL HV/ POWER FREQUENCY TESTING OF GIS AS PER IEC INCLUDING ARRANGEMENT OF HV TEST KIT WITH OPERATOR (ON RETURNABLE BASIS) SHALL BE IN SCOPE OF BIDDER, WHICH INCLUDES CHARGES OF HV TEST KIT WITH OPERATOR, ACCESSORIES & TOOLS REQUIRED FOR COMPLETION OF HV TESTING. THE QUOTED PRICE SHALL INCLUDE GIS BAYS INCLUDING MAIN BUS, GIS & SAB AND OTHER COMMON ITEMS AS PER TS COMPLETE IN ALL RESPECT. IN THIS BOQ ITEM, MOBILIZATION AND DEMOBILIZATION FOR HV TEST KIT IS CONSIDERED FOR ONCE. IN CASE OF MORE, FOR REASONS NOT ATTRIBUTABLE TO BIDDER, SAME SHALL BE PAID EXTRA AS PER BOQ ITEM.
3.08	SERVICES- GIS : INSULATION CO-ORDINATION STUDIES FOR GIS SYSTEM	LOT	1	1 LOT MEANS COMPLETE STUDY REPORT AS PER TECHNICAL SPECIFICATION, INCLUDING VFTO REPORT.
4.00	SUPPLY- GIS : 220kv, 50ka FOR 1S, REFERENCE UNIT PRICE FOR ADDITION / DELETION OF SUPPLY ITEMS			

Signature

Signature

	<i>(Unit Prices of Individual Equipment included here or in mandatory spares are required for any Addition/Deletion of Equipment and replacement of damaged items. Vendor to ensure that the unit prices have a logical relationship with prices of assemblies in main items. Quoting for unit prices is mandatory and shall be considered for evaluation)</i>			
4.01	SUPPLY- GIS : 245kV, SINGLE PHASE BUS BAR	MTR	1	COMPLETE IN ALL RESPECT.
4.02	SUPPLY- GIS : 245kV, GIS METALLIC ENCLOSURE	KG	50	
4.03	SUPPLY- GIS : 245kV, EXPANSION BELLOWS/ JOINTS	SET	1	FOR SINGLE PHASE OF ANY TYPE AND ANY RATING.
4.04	SUPPLY- GIS : 245kV, TEE BEND	SET	1	FOR SINGLE PHASE OF ANY TYPE AND ANY RATING.
4.05	SUPPLY- GIS : 245kV, ANGLE BEND	SET	1	FOR SINGLE PHASE OF ANY TYPE AND ANY RATING.
4.06	SUPPLY- GIS : 245kV, L-BEND	SET	1	FOR SINGLE PHASE OF ANY TYPE AND ANY RATING.
5.00	SERVICES- GIS : 220kV, 50kA FOR 1S, REFERENCE UNIT PRICE FOR ADDITION / DELETION OF SERVICES			
	<i>SERVICES- GIS : REFERENCE UNIT PRICE FOR ADDITION / DELETION OF SERVICES (Unit Prices of Individual services included here are required for any Addition/Deletion of Equipment and replacement of damaged items. Vendor to ensure that the unit prices have a logical relationship with prices of assemblies in main items. Quoting for unit prices is mandatory and shall be considered for evaluation)</i>			
5.01	SERVICES- GIS : 245kV, REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT - SERVICES FOR SUPERVISION OF ERECTION OF GIS	MANDAY	10	CHARGES FOR REPETITION OF SERVICES - (IF REQUIRED DUE TO REASONS NOT ATTRIBUTED TO THE CONTRACTOR).
5.02	SERVICES- GIS : 245kV, REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT - SERVICES FOR TESTING & COMMISSIONING OF GIS	MANDAY	10	THIS ITEM WILL BE EXECUTED ONLY IF REPETITION OF SERVICES IS REQUIRED BY BHEL.
	DEMOBILIZATION AND REMOBILIZATION CHARGES			
5.03	SERVICES- GIS : 245kV, DEMOBILIZATION AND REMOBILIZATION CHARGES FOR GIS ERECTION SUPERVISION TEAM	SET	1	CHARGES FOR REPETITION OF SERVICES - (IF REQUIRED DUE TO REASONS NOT ATTRIBUTED TO THE CONTRACTOR).
5.04	SERVICES- GIS : 245kV, DEMOBILIZATION AND REMOBILIZATION CHARGES FOR GIS TESTING & COMMISSIONING TEAM	SET	1	THIS ITEM WILL BE EXECUTED ONLY IF REPETITION OF SERVICES IS REQUIRED BY BHEL.
5.05	SERVICES- GIS : 245kV, DEMOBILIZATION & REMOBILIZATION CHARGES OF HV TEST KIT ALONG WITH OPERATOR	LOT	1	THIS BOQ ITEM SHALL BE EXECUTED IF REQUIRED FOR REASONS NOT ATTRIBUTABLE TO BIDDER.

Pranav
13/01/26

Devi
13/01/26

Clarification No. III (Technical)

Clarification No. III dated 13.01.2026 to the technical portion of the Bidding Document for **Pre-Bid Tie up for 400 kV GIS Substation Package SS142T** for (a) Establishment of 400 kV GIS Switching station (New) at Niglok in Arunachal Pradesh (b) Extension of 400 kV (AIS) S/s at Gogamukh associated with "NERGS-III Siang Basin" through tariff based competitive bidding (TBCB) route prior to RfP bid submission by POWERGRID to BPC; Specification No: CC/T/W-GIS/DOM/A04/25/13443

SR.NO.	NAME OF THE DOCUMENTS	CLAUSE	BIDDER's QUERIES	POWERGRID's REPLY
1) Establishment of new 400kV GIS Switching station at Niglok in Arunachal				
1	General	Space for Future bay Module	We have considered Line Bay only as per BOQ without considering any provision for future Line reactors . Kindly Confirm our understanding.	Bidder to refer the clause 2.1 of TS:Section project where the scope of project is clearly defined.Bidder is to quote accordingly.
2	Section Projects	Scope	Any auxiliary supply and communication protection system is not considered for future scope of HVDC system. As per Section project, it is mention 6 no complete diameter for HVDC system, we understand this is apart from future bay requirements mentioned in section project. Kindly confirm	Bidder to refer the clause 2.1 of TS:Section project where the scope of project is clearly defined. Auxiliary supply for future 6 no complete diameter for HVDC system is also envisaged under present scope. Bidder is to quote accordingly.
3	General	Illumination	Illumination System for Car parking and Labour Hut not mentioned in BOQ, and the same is not envisaged in our scope of supply, Please confirm	Please refer the TS:Civil works Rev 12 with correction slip where it is clearly specified that illumination of labour hut is envisaged under present scope of works and price for the same is included in the civil works item associated with Labour Hut .Bidder is to quote accordingly.
4	General	FFPH	Fire Detection and Alarm System for FFPH Building not mentioned in BOQ, same is not envisaged in our scope of supply. Please confirm	Bidder to quote as per the provisions of Bidding documents.
2) Extension at Gogamukh 400/220/132kV (ISTS) substation				
5	General	VMS	Please provide the Existing VMS Make and drawing details for augmentation work under present scope	Details shall be shared during detail engineering.Further bidders are advised to visit the site in line with clause 1.6 of TS:Section project.
6	General	Cable Pull pit, Cable trays & covers, Junction box, buried cable trenches etc. as required	We understand existing main cable trench to control room building has adequate space in cable support arrangement to accommodate the cabling requirement for present scope bays. Please confirm our understanding.	Details shall be shared during detail engineering.Further bidders are advised to visit the site in line with clause 1.6 of TS:Section project.
7	General	Fire Detection & Alarm System shall be provided for the present scope and it shall be integrated with the existing SAS for remote alarm/ monitoring.	We presume that existing annunciation and FDA panel has sufficient spare DIs. Kindly confirm	Details shall be shared during detail engineering.Further bidders are advised to visit the site in line with clause 1.6 of TS:Section project.

Clarification No. III (Technical)

Clarification No. III dated 13.01.2026 to the technical portion of the Bidding Document for **Pre-Bid Tie up for 400 kV GIS Substation Package SS142T** for (a) Establishment of 400 kV GIS Switching station (New) at Niglok in Arunachal Pradesh (b) Extension of 400 kV (AIS) S/s at Gogamukh associated with "NERGS-III Siang Basin" through tariff based competitive bidding (TBCB) route prior to Rfp bid submission by POWERGRID to BPC; Specification No: CC/T/W-GIS/DOM/A04/25/13443

SR.NO.	NAME OF THE DOCUMENTS	CLAUSE	BIDDER's QUERIES	POWERGRID's REPLY
8	Section Projects	Point 2.3.2. C)- The peripheral units shall be provided for the bays under present scope. Necessary modifications, wiring etc. for integration of the same to the existing Busbar protection scheme [Decentralized (distributed) type] shall be carried out by the contractor. Trip Relays/Auxiliary Relays (if any) shall be provided under present scope and price for same is deemed to be included in relevant item of BPS.	EPC understands that CU is adequate to accommodate the present scope bays without any upgradation of capacity or license requirement.	Peripheral Units (PUs) for bays shall be provided under the present scope. For existing details, bidder may visit s/s site in line with clause 1.6 of TS:Section project.
3) Establishment of new 400kV GIS Switching station at Niglok in Arunachal				
9	General	Land Coordinates for Proposed 400kV Niglok 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.	Details shall be shared to successful bidder during detail engineering .
10	General	Cutting of Trees in the proposed sub Stations	We have visited site and understood that there are rubber tree coming in proposed land. so we understand that cutting of tree and necessary approval/permission and associated charge form respective authority will be in scope of PGCIL. kindly confirm.	Bidder to quote as per the provisions of Bidding documents.
11	General	Borrowed earth	We have visited site and understood that there are boulders coming with soil, we understand that for back filling of soil in foundation borrowed earth mentioned under line item sr. no. 137 Sch-3 civil work will be paid. Kindly confirm.	Bidder to quote as per BPS & provisions of the bidding documents.
12	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.	1. Rainfall Data and Flood Data shall be arranged by contractor for finalization of FGL during detailed engineering. 2. Outfall Point: The outfall point shall be finalized during detailed engineering.
13	Price_Schedule (Sch-3)	Sno 152, 153 & 154	Please clarify whether the structural steel for building works is included or excluded in the price schedule against these line items or the structural steel related to these line items will be paid separately under Sno 117 (Misc. Structure Steel).	Please refer to the Technical Specification for Civil Works, Clause No. 24.14.1 Rev 12, and Section - Project Clause 2.3.1.3 (E) Civil Works, for payment details related to buildings. Bidders are required to quote strictly in accordance with the provisions of the bidding document.

Clarification No. III (Technical)

Clarification No. III dated 13.01.2026 to the technical portion of the Bidding Document for **Pre-Bid Tie up for 400 kV GIS Substation Package SS142T** for (a) Establishment of 400 kV GIS Switching station (New) at Niglok in Arunachal Pradesh (b) Extension of 400 kV (AIS) S/s at Gogamukh associated with "NERGS-III Siang Basin" through tariff based competitive bidding (TBCB) route prior to RfP bid submission by POWERGRID to BPC; Specification No: CC/T/W-GIS/DOM/A04/25/13443

SR.NO.	NAME OF THE DOCUMENTS	CLAUSE	BIDDER's QUERIES	POWERGRID's REPLY
14	Price_Schedule (Sch-3)	Sno 155, 156 & 157	Please clarify whether the structural steel for internal trenches in 400kV GIS building works is included or excluded in the price schedule against these line items or the structural steel related to these line items will be paid separately under Sno 117 (Misc. Structure Steel).	Please refer to the Technical Specification for Civil Works, Clause No. 24.14.2 Rev 12, and Section - Project Clause 2.3.1.3 (E) Civil Works, for payment details related to buildings. Bidders are required to quote strictly in accordance with the provisions of the bidding document.
4) Extension at Gogamukh 400/220/132kV (ISTS) substation				
15	General	Drainage Requirement	The newly constructed drains will be connected to the existing drains and no new outfall point is envisaged. Please confirm.	Gogamukh Extn: The outfall point shall be finalized during detailed engineering.
16	General	Construction of Approach Road & Boundary Wall	We do not envisage the construction of Approach Road & Boundary Wall as it is not mentioned in Price Schedule, Please confirm. If these items are to be constructed then Please share the revised BOQ with additional item related to this scope.	Gogamukh Extn: Approach Road & Boundary Wall are not envisaged for Gogamukh substation Extn. Bidder to quote as per BPS & provisions of the bidding documents.
17	General	Existing Civil Drawings	Please share the existing drain & cable trench layout for our better understanding.	Gogamukh Extn: Drain layout & Cable trench layout to be provided to the successful bidder during detailed engineering. Further bidders are advised to visit the site in line with clause 1.6 of TS:Section project.
18	Price_Schedule (Sch-3)	Sno 60	Please clarify whether the structural steel required for SPR building & internal trenches in SPR Building is included or excluded in the price schedule against this line item or the structural steel related to this line item will be paid separately under Sno 55 (Misc. Structure Steel).	Gogamukh Extn: Please refer to the Technical Specification for Civil Works, Clause No. 24.14.1 Rev 12, and Section - Project Clause 2.3.2 (B) (E) Civil Works, for payment details related to buildings. Bidders are required to quote strictly in accordance with the provisions of the bidding document.

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13/01/26

Clarification No. III (Technical)

Clarification No. III dated 13.01.2026 to the technical portion of the Bidding Document for **Pre-Bid Tie up for 400 kV GIS Substation Package SS142T** for (a) Establishment of 400 kV GIS Switching station (New) at Niglok in Arunachal Pradesh (b) Extension of 400 kV (AIS) S/s at Gogamukh associated with "NERGS-III Siang Basin" through tariff based competitive bidding (TBCB) route prior to RFP bid submission by POWERGRID to BPC; Specification No: CC/T/W-GIS/DOM/A04/25/13443

SR.NO.	NAME OF THE DOCUMENTS	CLAUSE	BIDDER's QUERIES	POWERGRID's REPLY
Common Queries				
19	General	Alternate Constructional Material	Please confirm the usage of alternate construction materials like (M sand, Stone Dust, PPC etc.) due to location/availability/government orders constraints.	M-sand can be used but it should adhere to following IS codes for given work: 1. Concrete m-sand/sand IS Code: IS 383:2016 2. Brickwork m-sand/sand IS Code: IS 2116:1980 3. Plastering m-sand/sand IS Code: IS 1542:1992 PPC can be used conforming to Technical specifications Civil Works Rev-12. Please refer Standard Field Quality Plan for Substation Civil Works uploaded on POWERGRID website.
20	Site Storage Facility	Site Storage Facility	We presume that space shall be provided at site for storage & site office construction at free of cost. Please confirm.	Please refer clause no. 1.14 of FAQ in Annexure III (Specific requirement, Rev-10) to TS wherein it is mentioned that it is not binding on employer to provide the space for requisite facilities. However, the same can be provided at substation site, on the availability of space, without any additional cost implication.
21	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.	The order of precedence is already specified as clause no 7.0 of TS:Section Project. Bidder is to quote accordingly.
22	Price Schedule Sch-1 Sr. no.149, 150, 151	Price Schedule Rev-02 Sch-1 Sr. no. 150 216 kV Surge Arrestor, Sr. no.149 245 kV, 4400pf CVT & Sr. no.151 245 KV Bus post insulator	We have reviewed Amendment-IV, Clarification-V and found that the spares breakup for 216 kV Surge Arresters, 245 kV CVTs, and 245 kV Bus Post Insulators is not provided in the revised Annexure-II (Mandatory Spares). Please confirm.	Please refer the AnnexureII(Mandatory spares) Rev 01 in which the qty. of spares is mentioned clearly. Bidder is to quote accordingly.

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Tender Inviting Authority: BHEL TBG NOIDA

Name of Work: Powergrid's Substation Package SS-142T (Niglok)

Enquiry/NIT No: NIT No. 95618_Enquiry No. 61Q2600368 Dated 13-11-2025

Name of the Bidder/ Bidding Firm / Company :	
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PRICE SCHEDULE
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Sl. No.	Item Description	Item Code / Make	Quantity	Units	Quoted Currency in INR / Other Currency	Unit RATE In Figures To be entered by the Bidder in Rs. P	GST (in Percentage)	GST Amount (Unit Rate*Quantity* GST) Rs. P	Unit Freight & Insurance Charges in Rs. P	GST (in Percentage)	GST Amount on F&I (Unit Rate*Quantity*GST) Rs. P	HSN / SAC Code	TOTAL Ex-Works + F & I AMOUNT excluding GST in Rs. P	TOTAL Ex-Works + F & I AMOUNT including GST in Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	12	13	14	15	16	20	21	51	53	54	55
1.01	SUPPLY- GIS : 220kV, 50kA FOR 1S, GAS INSULATED SWITCHGEAR (GIS) AS PER TS (For item sl. No. 1.01-1.06): 245 KV, 3500A, 50KA, 3 PHASE SF6 GIS BUS BAR MODULE AS PER SECTION-PROJECT, TECHNICAL SPECIFICATION	item1	2	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.02	245KV, 2000A, 50 KA, SF6 GIS ICT FEEDERBAY MODULE AS PER SECTION-PROJECT, TECHNICAL SPECIFICATION	item2	2	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.03	245KV, 2000A, 50 KA, SF6 GIS LINE FEEDER BAY MODULE AS PER SECTION-PROJECT, TECHNICAL SPECIFICATION	item3	2	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.04	245KV, 3500A, 50 KA, 3 PHASE SF6 GIS BUS COUPLER BAY MODULE AS PER SECTION-PROJECT, TECHNICAL SPECIFICATION	item4	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.05	245KV, 2000A, 50KA, 3 SINGLE PHASE/3 PHASE, SF6 GAS INSULATED BUS DUCT (GIB) OUTSIDE GIS HALL ALONGWITH ASSOCIATED SUPPORT STRUCTURE (QUANTITY MENTIONED HERE IS FOR 3 PHASE TYPE)	item5	210	MTR	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.06	245KV, 2000A, 50KA SINGLE PHASE SF6 TO AIR BUSHING	item6	12	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.01	SPARES- GIS : 220kV, 50kA FOR 1S, MANDATORY SPARES AS PER TS (For item sl. No: 2.01-2.51): 220KV GIS-SF6 GAS PRESSURE RELIEF DEVICE ASSEMBLY OF EACH TYPE	item7	2	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.02	COUPLING DEVICE FOR PRESSURE GAUGE CUM SWITCH FOR CONNECTING GAS HANDLING PLANT OF EACH TYPE-220KV GIS	item8	2	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.03	RUBBER GASKETS, 'O' RINGS AND SEALS FOR SF6 GAS FOR GIS ENCLOSURE OF EACH TYPE-220KV GIS	item9	3	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.04	220KV GIS-MOLECULAR FILTER FOR SF6 GAS WITH FILTER BAGS (5 % OF TOTALWEIGHT)	item10	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.05	CONTROL VALVES FOR SF6 GAS OF EACH TYPE-220KV GIS	item11	3	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.06	220KV GIS-SF6 GAS (5 % OF TOTAL GAS QUANTITY)	item12	1	LOT	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.07	LOCKING DEVICE TO KEEP THE DIS-CONNECTORS (ISOLATORS)AND EARTHING/FAST EARTHING SWITCHES (AS APPLICABLE) IN CLOSE OR OPENPOSITION IN CASE OF REMOVAL OF THE DRIVING MECHANISM-220KV GIS	item13	3	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.08	UHF PD SENSORS OF EACH TYPE ALONG WITH BNC CONNECTOR FOR 245KV GIS	item14	5	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.09	220KV GIS-SUPPORT INSULATORS (GAS THROUGH) OF EACH TYPE (COMPLETE WITHMETAL RING ETC.) ALONG WITH ASSOCIATED CONTACTS AND SHIELDS	item15	5	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.10	220KV GIS-GAS BARRIERS OF EACH TYPE (COMPLETE WITH METAL RING ETC.) ALONG WITH ASSOCIATED CONTACTS AND SHIELDS	item16	5	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only

Tender Inviting Authority: BHEL TBG NOIDA

Name of Work: Powergrid's Substation Package SS-142T (Niglok)

Enquiry/NIT No: NIT No. 95618_Enquiry No. 61Q2600368 Dated 13-11-2025

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1	2	3	4	5	12	13	14	15	16	20	21	51	53	54	55	
2.11	245KV, 2000A, 50KA SINGLE PHASE SF6 TO AIR BUSHING	item17	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only	
2.12	LCC SPARES - AUX. RELAYS, CONTACTORS, PUSH BUTTONS, SWITCHES, LAMPS, ANNUNCIATION WINDOWS, MCB, FUSES, TIMERS, TERMINAL BLOCKS ETC. OF EACH TYPE & RATING-220KV GIS	item18	2	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only	
2.13	220KV GIS-ONE POLE OF 2000A CIRCUIT BREAKER WITH INTERRUPTER, MAINCIRCUIT, ENCLOSURE AND OPERATING MECHANISM COMPLETE IN ALL RESPECT	item19	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only	
2.14	220KV GIS-ONE POLE OF 3500A CIRCUIT BREAKER WITH INTERRUPTER, MAINCIRCUIT, ENCLOSURE AND OPERATING MECHANISM COMPLETE IN ALL RESPECT	item20	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only	
2.15	TRIP COIL ASSEMBLY WITH RESISTOR FOR245KV GIS CIRCUIT BREAKER (ASAPPLICABLE)	item21	3	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only	
2.16	CLOSING COIL ASSEMBLY WITH RESISTOR FOR245KV GIS CIRCUIT BREAKER (ASAPPLICABLE)	item22	3	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only	
2.17	RELAYS, POWER CONTACTORS, PUSH BUTTONS, TIMERS & MCBS ETC. (ASAPPLICABLE) OF EACH TYPE FOR 220KV GIS CIRCUIT BREAKER	item23	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only	
2.18	AUXILIARY SWITCH ASSEMBLY OF EACH TYPE FOR 245KV GIS CIRCUIT BREAKER	item24	3	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only	
2.19	220KV GIS CIRCUIT BREAKER-OPERATION COUNTER	item25	3	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only	
2.20	220KV GIS CIRCUIT BREAKER-HYDRAULIC OPERATING MECHANISM WITH DRIVEMOTOR (FOR HYDRAULIC OPERATED MECHANISM, IF APPLICABLE)	item26	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only	
2.21	HYDRAULIC FILTER OF EACH TYPE (FOR HYDRAULIC OPERATED MECHANISM, IFAPPLICABLE)-220KV GIS CIRCUIT BREKAER	item27	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only	
2.22	220KV GIS CIRCUIT BREAKER- HOSE PIPE OF EACH TYPE (AS APPLICABLE) (FORHYDRAULIC OPERATED MECHANISM, IF APPLICABLE)	item28	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only	
2.23	220KV GIS CIRCUIT BREAKER - N2 ACCUMULATOR (FOR HYDRAULIC OPERATEDMECHANISM, IF APPLICABLE)	item29	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only	
2.24	VALVES OF EACH TYPE (FOR HYDRAULIC OPERATED MECHANISM, IFAPPLICABLE)-220KV GIS CIRCUIT BREKAER	item30	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only	
2.25	PIPE LENGTH (COPPER & STEEL) OF EACH SIZE & TYPE (FOR HYDRAULICOPERATED MECHANISM, IF APPLICABLE)-220KV GIS CIRCUIT BREKAER	item31	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only	
2.26	PRESSURE SWITCHES OF EACH TYPE (FOR HYDRAULIC OPERATED MECHANISM, IFAPPLICABLE)-220KV GIS CIRCUIT BREKAER	item32	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only	
2.27	PRESSURE GAUGE WITH COUPLING DEVICE OF EACH TYPE (FOR HYDRAULICOPERATED MECHANISM, IF APPLICABLE)-220KV GIS CIRCUIT BREKAER	item33	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only	
2.28	220KV GIS CIRCUIT BREAKER-HYDRAULIC OIL (5% OF TOTAL OIL QUANTITY) (FOR HYDRAULIC OPERATED MECHANISM, IF APPLICABLE)	item34	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only	

Tender Inviting Authority: BHEL TBG NOIDA

Name of Work: Powergrid's Substation Package SS-142T (Niglok)

Enquiry/NIT No: NIT No. 95618_Enquiry No. 61Q2600368 Dated 13-11-2025

Name of the Bidder/ Bidding Firm / Company :

PRICE SCHEDULE
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1	2	3	4	5	12	13	14	15	16	20	21	51	53	54	55
2.29	PRESSURE RELIEF DEVICE OF EACH TYPE (FOR HYDRAULIC OPERATED MECHANISM, IF APPLICABLE)- 220KV GIS CIRCUIT BREAKER	item35	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.30	220KV GIS CIRCUIT BREAKER-COMplete SPRING OPERATING MECHANISM INCLUDING CHARGING MECHANISM ETC. (FOR SPRING OPERATED MECHANISM, IF APPLICABLE)	item36	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.31	220KV GIS CIRCUIT BREAKER- COMPLETE HYDRAULIC-SPRING OPERATING MECHANISM INCLUDING CHARGING MECHANISM ETC. (FOR HYDRAULIC-SPRING OPERATED MECHANISM, IF APPLICABLE)	item37	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.32	PRESSURE SWITCHES OF EACH TYPE (FOR HYDRAULIC-SPRING OPERATED MECHANISM, IF APPLICABLE)- 220KV GIS CIRCUIT BREAKER	item38	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.33	PRESSURE GAUGE WITH COUPLING DEVICE OF EACH TYPE (FOR HYDRAULIC-SPRING OPERATED MECHANISM, IF APPLICABLE)-220KV GIS CIRCUIT BREAKER	item39	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.34	220KV GIS- THREE PHASE OF 2000A DISCONNECTOR SWITCH INCLUDING MAIN CIRCUIT, ENCLOSURE, DRIVING MECHANISM AND SUPPORT INSULATOR ETC., COMPLETE IN ALL RESPECT	item40	4	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.35	220KV GIS- THREE PHASE OF 3500A DISCONNECTOR SWITCH INCLUDING MAIN CIRCUIT, ENCLOSURE, DRIVING MECHANISM AND SUPPORT INSULATOR ETC., COMPLETE IN ALL RESPECT	item41	2	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.36	220KV GIS- THREE PHASE MAINTENANCE EARTHING SWITCH INCLUDING MAIN CIRCUIT, ENCLOSURE, DRIVING MECHANISM AND SUPPORT INSULATOR ETC., COMPLETE IN ALL RESPECT	item42	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.37	220KV GIS - THREE PHASE FAST EARTHING SWITCH INCLUDING MAIN CIRCUIT, ENCLOSURE, DRIVING MECHANISM AND SUPPORT INSULATOR ETC., COMPLETE IN ALL RESPECT	item43	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.38	OPEN/CLOSE CONTACTOR ASSEMBLY, TIMERS, KEY INTERLOCK, INTERLOCKING COILS, RELAYS, PUSH BUTTONS, INDICATING LAMPS, POWER CONTACTORS, RESISTORS, FUSES, MCBS & DRIVE CONTROL CARDS ETC. (AS APPLICABLE) ONE OF EACH TYPE FOR ONE COMPLETE MOM BOX FOR 220KV GIS DISCONNECTOR SWITCH	item44	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.39	OPEN/CLOSE CONTACTOR ASSEMBLY, TIMERS, KEY INTERLOCK, INTERLOCKING COILS, RELAYS, PUSH BUTTONS, INDICATING LAMPS, POWER CONTACTORS, RESISTORS, FUSES, MCBS & DRIVE CONTROL CARDS ETC. (AS APPLICABLE) ONE OF EACH TYPE FOR ONE COMPLETE MOM BOX FOR 220KV GIS MAINTENANCE EARTH SWITCH	item45	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only

Tender Inviting Authority: BHEL TBG NOIDA

Name of Work: Powergrid's Substation Package SS-142T (Niglok)

Enquiry/NIT No: NIT No. 95618_Enquiry No. 61Q2600368 Dated 13-11-2025

Name of the Bidder/ Bidding Firm / Company :															
PRICE SCHEDULE (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)															
NUMBER #	TEXT #	TEXT #	NUMBER #	TEXT #	TEXT #	NUMBER #	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Item Code / Make	Quantity	Units	Quoted Currency in INR / Other Currency	Unit RATE In Figures To be entered by the Bidder in Rs. P	GST (in Percentage)	GST Amount (Unit Rate*Quantity* GST) Rs. P	Unit Freight & Insurance Charges in Rs. P	GST (in Percentage)	GST Amount on F&I (Unit Rate*Quantity*GST) Rs. P	HSN / SAC Code	TOTAL Ex-Works + F & I AMOUNT excluding GST in Rs. P	TOTAL Ex-Works + F & I AMOUNT including GST in Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	12	13	14	15	16	20	21	51	53	54	55
2.40	OPEN/CLOSE CONTACTOR ASSEMBLY, TIMERS, KEY INTERLOCK, INTERLOCKING COILS, RELAYS, PUSH BUTTONS, INDICATING LAMPS, POWER CONTACTORS, RESISTORS, FUSES, MCBS & DRIVE CONTROL CARDS ETC. (AS APPLICABLE) ONE OF EACH TYPE FOR ONE COMPLETE MOM BOX FOR 220KV GIS FAST EARTHINGSWITCH	item46	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.41	LIMIT SWITCHES AND AUX. SWITCHES FOR ONE COMPLETE MOM BOX FOR DISCONNECTOR-220KV GIS	item47	2	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.42	LIMIT SWITCHES AND AUX. SWITCHES FOR ONE COMPLETE MOM BOX FOR MAINTENANCE EARTHING SWITCH-220KV GIS	item48	2	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.43	LIMIT SWITCHES AND AUX. SWITCHES FOR ONE COMPLETE MOM BOX FOR FAST EARTHING SWITCH (IF APPLICABLE)-220KV GIS	item49	2	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.44	DRIVE MECHANISM FOR 220KV GIS DISCONNECTOR SWITCH	item50	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.45	DRIVE MECHANISM FOR 220KV GIS MAINTENANCE EARTH SWITCH	item51	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.46	DRIVE MECHANISM FOR 220KV GIS FAST EARTHING SWITCH	item52	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.47	MOTOR FOR DRIVE MECHANISM FOR 220KV GIS DISCONNECTOR SWITCH	item53	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.48	MOTOR FOR DRIVE MECHANISM FOR 220KV GIS MAINTENANCE EARTH SWITCH	item54	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.49	MOTOR FOR DRIVE MECHANISM FOR 220KV GIS FAST EARTHING SWITCH	item55	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.50	220KV GIS- SINGLE PHASE VT WITH ASSOCIATED ENCLOSURE COMPLETE IN ALL RESPECT	item56	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.51	220KV GIS- SINGLE PHASE OF CURRENT TRANSFORMER (5 CORES) WITH ASSOCIATED ENCLOSURE AND PRIMARY CONDUCTOR COMPLETE IN ALL RESPECT	item57	2	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.52	SF6 PRESSURE GAUGE CUM SWITCH/ DENSITY MONITORS AND PRESSURE SWITCH AS APPLICABLE, OF EACH TYPE-220KV GIS	item58	3	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.01	SUPPLY- GIS : 220kV, 50kA FOR 1S, REFERENCE UNIT PRICE FOR ADDITION / DELETION OF SUPPLY ITEMS (Unit Prices of Individual Equipment included here or in mandatory spares are required for any Addition/Deletion of Equipment and replacement of damaged items. Vendor to ensure that the unit prices have a logical relationship with prices of assemblies in main items. Quoting for unit prices is mandatory and shall be considered for evaluation) (For item Sl. No. 3.01-3.06): SUPPLY- GIS : 245kV, SINGLE PHASE BUS BAR	item59	1	MTR	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.02	SUPPLY- GIS : 245kV, GIS METALLIC ENCLOSURE	item60	50	KG	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.03	SUPPLY- GIS : 245kV, EXPANSION BELLOWS/ JOINTS	item61	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.04	SUPPLY- GIS : 245kV, TEE BEND	item62	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only

Tender Inviting Authority: BHEL TBG NOIDA

Name of Work: Powergrid's Substation Package SS-142T (Niglok)

Enquiry/NIT No: NIT No. 95618_Enquiry No. 61Q2600368 Dated 13-11-2025

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Sl. No.	Item Description	Item Code / Make	Quantity	Units	Quoted Currency in INR / Other Currency	Unit RATE In Figures To be entered by the Bidder in Rs. P	GST (in Percentage)	GST Amount (Unit Rate*Quantity* GST) Rs. P	Unit Freight & Insurance Charges in Rs. P	GST (in Percentage)	GST Amount on F&I (Unit Rate*Quantity*GST) Rs. P	HSN / SAC Code	TOTAL Ex-Works + F & I AMOUNT excluding GST in Rs. P	TOTAL Ex-Works + F & I AMOUNT including GST in Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	12	13	14	15	16	20	21	51	53	54	55
3.05	SUPPLY- GIS : 245kV, ANGLE BEND	item63	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.06	SUPPLY- GIS : 245kV, L-BEND	item64	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
4.01	SERVICES- GIS : 220kV, 50kA FOR 1S, GAS INSULATED SWITCHGEAR (GIS) AS PER TS (For item Sl. No. 4.01-4.08): SERVICES- GIS : 245kV, SUPERVISION OF ERECTION OF GIS	item65	5	bays	INR			0.00			0.00		0.000	0.000	INR Zero Only
4.02	SERVICES- GIS : 245kV, SUPERVISION OF ERECTION OF GAS INSULATED BUS DUCT (QUANTITY MENTIONED HERE IS FOR 3 PHASE TYPE)	item66	210	MTR	INR			0.00			0.00		0.000	0.000	INR Zero Only
4.03	SERVICES- GIS : 245kV, SUPERVISION OF ERECTION OF SF6 TO AIR BUSHING	item67	12	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
4.04	SERVICES- GIS : 245kV, TESTING & COMMISSIONING OF GIS	item68	5	bays	INR			0.00			0.00		0.000	0.000	INR Zero Only
4.05	SERVICES- GIS : 245kV, TESTING & COMMISSIONING OF GAS INSULATED BUS DUCT (QUANTITY MENTIONED HERE IS FOR 3 PHASE TYPE)	item69	210	MTR	INR			0.00			0.00		0.000	0.000	INR Zero Only
4.06	SERVICES- GIS : 245kV, TESTING & COMMISSIONING OF SF6 TO AIR BUSHING	item70	12	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
4.07	SERVICES- GIS : 245kV, FINAL SUCCESSFUL HV/ POWER FREQUENCY TESTING OF GIS INCLUDING ARRANGING OF HV TEST KIT ALONG WITH OPERATOR	item71	5	bays	INR			0.00			0.00		0.000	0.000	INR Zero Only
4.08	SERVICES- GIS : INSULATION CO-ORDINATION STUDIES FOR GIS SYSTEM	item72	1	LOT	INR			0.00			0.00		0.000	0.000	INR Zero Only
5.01	SERVICES- GIS : 220kV, 50kA FOR 1S, REFERENCE UNIT PRICE FOR ADDITION / DELETION OF SERVICES SERVICES- GIS : REFERENCE UNIT PRICE FOR ADDITION / DELETION OF SERVICES (Unit Prices of Individual services included here are required for any Addition/Deletion of Equipment and replacement of damaged items. Vendor to ensure that the unit prices have a logical relationship with prices of assemblies in main items. Quoting for unit prices is mandatory and shall be considered for evaluation) (For item sl. No. 5.01-5.08): SERVICES- GIS : 245kV, REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT - SERVICES FOR SUPERVISION OF ERECTION OF GIS	item73	10	MANDAY	INR			0.00			0.00		0.000	0.000	INR Zero Only
5.02	SERVICES- GIS : 245kV, REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT - SERVICES FOR TESTING & COMMISSIONING OF GIS	item74	10	MANDAY	INR			0.00			0.00		0.000	0.000	INR Zero Only
5.03	SERVICES- GIS : 245kV, DEMOBILIZATION AND REMOBILIZATION CHARGES FOR GIS ERECTION SUPERVISION TEAM	item75	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
5.04	SERVICES- GIS : 245kV, DEMOBILIZATION AND REMOBILIZATION CHARGES FOR GIS TESTING & COMMISSIONING TEAM	item76	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only

Tender Inviting Authority: BHEL TBG NOIDA

Name of Work: Powergrid's Substation Package SS-142T (Niglok)

Enquiry/NIT No: NIT No. 95618_Enquiry No. 61Q2600368 Dated 13-11-2025

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1	2	3	4	5	12	13	14	15	16	20	21	51	53	54	55
5.05	SERVICES- GIS : 245kv, DEMOBILIZATION & REMOBILIZATION CHARGES OF HV TEST KIT ALONG WITH OPERATOR	item77	1	LOT	INR			0.00			0.00		0.000	0.000	INR Zero Only
Total in Figures													0.000	0.000	Zero Only
otated Rate in Words		INR Zero Only													