



Enquiry

Bharat Heavy Electricals Limited
Transmission Business Group
Materials Management

Enquiry No	Enquiry Dt	Rev No	Rev Dt	PI No	Due Dt	Delivery Requirement
279G002	08-May-19	0			22-May-19	

Document Enclosed

Project	Equipment	HSN Code	Phy Unit	Qty	Unit Exworks	% IGST	Unit F&I	Plan Dt	Comments
UPPTCL RASARA (BALLIA)	GIS 400KV,50KA FOR 3S, SUPPLY ITEM (4A): GIS SINGLE PHASE SEGREGATED AS PER ENCLOSED SLD WITH DOUBLE BUS BAR SCHEME	85359030	LOT	1					
UPPTCL RASARA (BALLIA)	GIS 400KV SERVICE ITEM (4F) : SUPERVISION OF ERECTION, COMMISSIONING & SITE TESTING INCLUDING EARTHING	85359030	LOT	1					
UPPTCL RASARA (BALLIA)	GIS 400KV SUPPLY ITEM (4B) : MANDATORY MAINTENANCE EQUIPMENT	85359030	LOT	1					
UPPTCL RASARA (BALLIA)	GIS 400KV SUPPLY ITEM (4C) : MANDATORY SPARES	85359030	LOT	1					
UPPTCL RASARA (BALLIA)	GIS 400KV SUPPLY ITEM (4E) : SPECIAL TOOLS & TACKLES AND TESTING EQUIPMENT	85359030	LOT	1					
UPPTCL RASARA (BALLIA)	GIS 400KV SUPPLY ITEM (4J): UNIT PRICES OF INDIVIDUAL ITEM / EQUIPMENT	85359030	LOT	1					
UPPTCL RASARA (BALLIA)	GIS 400 KV SERVICES ITEM (4G) : TRAINING	85359030	LOT	1					
UPPTCL RASARA (BALLIA)	GIS 400 kV (4I) : ANY OTHER ITEM REQUIRED FOR COMPLETION OF PROJECT	85359030	LOT	1					
UPPTCL RASARA (BALLIA)	4A1 - 400kV Transformer Bay Module:	85359030	set	2					
UPPTCL RASARA (BALLIA)	4A2 - 400kV Bus Reactor Bay Module:	85359030	set	1					
UPPTCL RASARA (BALLIA)	4A3 - 400kV Line Feeder Bay Module:	85359030	set	4					
UPPTCL RASARA (BALLIA)	4A4 - 400kV Bus Bars:	85359030	set	2					
UPPTCL RASARA (BALLIA)	4A5 - 400kV Voltage Transformer module (for Busbars):	85359030	Set	2					
UPPTCL RASARA (BALLIA)	4A6 - 400kV Bus Coupler Bay Module:	85359030	Set	1					
UPPTCL RASARA (BALLIA)	4A7 - First filling of SF6 gas for the equipment supplied plus an additional quantity sufficient for conducting all tests on equipment at site before placing it into successful operation	85359030	Lot	1					
UPPTCL RASARA (BALLIA)	4A8 - First filling of hydraulic fluid, if applicable	85359030	Lot	1					
UPPTCL RASARA (BALLIA)	4A9 - 400kV SF6 to Air Bushing	85359030	nos.	21					
UPPTCL RASARA (BALLIA)	4A10 - 400kV GIS duct from GIS ICT / Line Bays to SF6 to Air bushing	85359030	Metre	600					
UPPTCL RASARA (BALLIA)	4A11 - Local Control Cabinet (LCC) for 400kV GIS	85359030	nos.	8					
UPPTCL RASARA (BALLIA)	4A12 - Controlled Switching Device for ONE set of 2000A, 3x1-phase, SF6 insulated circuit breaker	85359030	nos.	3					
UPPTCL RASARA (BALLIA)	4A13 - Supply of structure materials, required for complete installation of 400kV GIS including support structure (foundation bolts/ embedded parts) in floor, walkway platform, structure & bus duct & railing etc including wall sealing & frame for duct cro	85359030	Lot	1					
UPPTCL RASARA (BALLIA)	4A14 - Supply of Earthing material for 400kV GIS including High frequency earthing material. The quantity shall be estimated provided by bidder for above floor earthing connection.	85359030	Lot	1					
UPPTCL RASARA	4A15 - Consumables required for 400kV GIS	85359030	Lot	1					

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(BALLIA)									
UPPTCL RASARA (BALLIA)	4A16 - Laptop for configuration of CSD	85359030	nos.	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4A17 - Signal/ Special Cables between Circuit breaker and controlled switching device , other than armoured power and control cables	85359030	Lot	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4A18 - Portable laddder & catwalk arrangement for maintenance	85359030	set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4B1 - SF6 Gas Filling, Evacuating, Filtering, Drying, Pumping & storage Plant with spares for five years operation (including gas sections of bus-bar and all associated equipments) (Any reputed make) - 300 litre capacity , DILO mega series or equivalent	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4B1A - SF6 Gas Filling, Evacuating, Filtering, Drying, Pumping & storage Plant with spares for five years operation (including gas sections of bus-bar and all associated equipments) (Any reputed make) - 300 litre capacity , DILO Economy series or equivale	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4B2 - Portable type Partial discharge Monitoring kit alongwith sensors and accessories (UHF Type) (Dobel make or equivalent)	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4B3 - SF6 Moisture Content (Dew Point) meter (any reputed make)	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4B4 - Contact resistance meter (any reputed make)	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4B5 - Circuit breaker operational analyzer (any reputed make)	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4B6 - SF6 gas leakage detector (any reputed make)	85359030	Set	2	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4B7 - Digital Manometer (any reputed make)	85359030	Nos.	2	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4B8 - Micro gas Analyzer (any reputed make)	85359030	Set	2	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4B9 - Gas masks (any reputed make)	85359030	Nos.	10	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4C1.1 - 400kV GIS spares general - SF6 Gas Pressure Relief Devices, 3 Nos. of each type	85359030	Set	2	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4C1.2 - 400kV GIS spares general - SF6 Pressure gauge with coupling device cum switch or density monitors and pressure switch as applicable (1 no. of each type)	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4C1.3 - 400kV GIS spares general - Coupling device for pressure gauge cum switch for connecting Gas handling plant	85359030	Set	2	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4C1.4 - 400kV GIS spares general - Rubber Gaskets, "O" Rings and Seals for SF6 gas of each type	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4C1.5 - 400kV GIS spares general - Molecular filter for SF6 gas with filter bags (20% of total weight)	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4C1.6 - 400kV GIS spares general - All types of Control Valves for SF6 gas of each type	85359030	Set	2	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4C1.7 - 400kV GIS spares general - SF6 gas (20 % of total gas)	85359030	Lot	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4C1.8 - 400kV GIS spares general - All types of coupling for SF6 gas (1 no. of each type)	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4C1.9 - 400kV GIS spares general - Pipe length (Copper or Steel as applicable) for SF6 Circuit of each type	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4C1.10 - 400kV GIS spares general - Density Monitors for SF6 gas	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4C1.11 - 400kV GIS spares general - Enclosures, Insulators & main circuit to replace on each phase, any compartment of Busbar or bay (1 set for 1 (one) bay)	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4C1.12.1 - 400kV GIS spares general - Covers with all accessories necessary to close a compartment in case of dismantling of any part of the Enclosure to ensure the sealing of this compartment For 3 phase enclosure if applicable (1 set for 1 (one) bay	85359030	Set	2	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4C1.12.2 - 400kV GIS spares general - Covers with all accessories necessary to close a compartment in case of dismantling of any part of the Enclosure to ensure the sealing of this compartment For 1 phase enclosure if applicable (1 set for 1 (one) bay	85359030	Set	3	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4C1.13 - 400kV GIS spares general - Locking device to keep the Dis-connectors (Isolators) and Earthing switches in close or open position in case of removal of the driving Mechanism	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA	4C1.14 - 400kV GIS spares general - Bus support Insulator of each type for single phase/ 3 phase enclosure (5% of population)	85359030	Lot	1	₹	₹	₹		

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(BALLIA)									
UPPTCL RASARA (BALLIA)	4C1.15 - 400kV GIS spares general - SF6 to air bushing of each type & rating	85359030	Set	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4C1.16 - 400kV GIS spares general - Spares for Local control cabinet including MCB, fuses, timers, Aux Relay of each type & rating terminal of each type	85359030	Set	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4C2.1 - 400 kV Circuit Breaker - Complete Circuit Breaker pole of each type & rating complete with interrupter, main circuit, enclosure and Marshalling Box with operating mechanism	85359030	Set	3	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4C2.2 - 400 kV Circuit Breaker - Fixed, moving and arcing contacts including insulating nozzles - 3 nos. of each type	85359030	Set	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4C2.3 - 400 kV Circuit Breaker - Rubber gaskets, 'O' rings and seals for SF6 gas of each type	85359030	Set	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4C2.4 - 400 kV Circuit Breaker - Trip coil assembly with resistor as applicable, 3 nos. of each type	85359030	Set	2	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4C2.5 - 400 kV Circuit Breaker - Closing coil assembly with resistor as applicable, 3 nos. of each type	85359030	Set	2	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4C2.6 - 400 kV Circuit Breaker - Molecular filter for SF6 gas with filter bags (10% of total quantity used)	85359030	Lot	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4C2.7 - 400 kV Circuit Breaker - SF6 Pressure gauge cum switch or Density monitors and pressure switch as applicable, 3 nos each type	85359030	Set	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4C2.8 - 400 kV Circuit Breaker - Coupling device for pressure gauge cum switch for connecting Gas handling plant, 3 nos. of each type	85359030	Set	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4C2.9 - 400 kV Circuit Breaker - Relays, Power contactors, push buttons, timers & MCBs etc of each type & rating	85359030	Set	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4C2.10 - 400 kV Circuit Breaker - Closing assembly/ valve, 3 nos. of each type	85359030	Set	2	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4C2.11 - 400 kV Circuit Breaker - Trip assembly/ valve, 3 nos. of each type	85359030	Set	2	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4C2.12 - 400 kV Circuit Breaker - Aux. switch assembly, 3 nos. of each type	85359030	Set	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4C2.13 - 400 kV Circuit Breaker - Operation Counter, 3 nos. of each type	85359030	Set	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4C2.14 - 400 kV Circuit Breaker - Rupture disc, 3 nos. of each type	85359030	Set	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4C2.15 - 400 kV Circuit Breaker - Windoscope / Observing window, 3 nos. of each type	0	Set	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4C2.16 - 400 kV Circuit Breaker - Spring operating closing mechanism one no of each type, if applicable	85359030	Set	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4C2.17.1 - 400 kV Circuit Breaker - Hydraulic operating mechanism with drive motor , 3 nos of each type if applicable	85359030	Set	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4C2.17.2 - 400 kV Circuit Breaker - Hydraulic operating mechanism- Ferrules, joints and couplings, 3 nos. of each type	85359030	Set	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4C2.17.3 - 400 kV Circuit Breaker - Hydraulic filter, 3 nos. of each type	85359030	Set	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4C2.17.4 - 400 kV Circuit Breaker - Hydraulic operating mechanism- Hose pipe, 3 nos. of each type	85359030	Set	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4C2.17.5 - 400 kV Circuit Breaker - Hydraulic operating mechanism- N2 Accumulator, 3 nos. of each type	85359030	Set	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4C2.17.6 - 400 kV Circuit Breaker - Hydraulic operating mechanism- Pressure transducer, 3 nos. of each type	85359030	Set	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4C2.17.7 - 400 kV Circuit Breaker - Hydraulic operating mechanism- Valves 3 nos. of each type	85359030	Set	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4C2.17.8 - 400 kV Circuit Breaker - Hydraulic operating mechanism- Pipe length (copper & steel) 3 nos. of each size & type	85359030	Set	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4C2.17.9 - 400 kV Circuit Breaker - Hydraulic operating mechanism- Pressure switches 3 nos. of each type	85359030	Set	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4C2.17.10 - 400 kV Circuit Breaker - Hydraulic operating mechanism- Pressure gauge with coupling device, 3 nos. of each type	85359030	Set	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4C2.17.11 - 400 kV Circuit Breaker - Hydraulic oil (20% of total qty. used)	85359030	Set	1	↙	↙	↙		
UPPTCL RASARA	4C2.17.12 - 400 kV Circuit Breaker - Hydraulic operating mechanism- Pressure Relief Device, 3 nos. of each type	0	Set	2	↙	↙	↙		

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(BALLIA)									
UPPTCL RASARA (BALLIA)	4C3.1 - 400 kV Isolators - Complete set of 3 nos. of single phase / one no. of 3-phase dis-connector including main circuit, enclosure, driving mechanism	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4C3.2 - 400 kV Isolators - High speed fault making grounding switch operating mechanism complete with all necessary gaskets mounting hardware/ operating mechanism complete with all necessary gaskets connecting apparatus.	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4C3.3 - 400 kV Isolators - 3 no. of single phase / one no of 3-phase Earthing switch including main circuit, enclosure, driving mechanism	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4C3.4 - 400 kV Isolators - Copper contact fingers for dis-connector male & female contact -for one complete (3 phase) dis-connector of each type and rating	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4C3.5 - 400 kV Isolators - Copper contact fingers for earthing switch male & female contacts- for one complete (3 phase) earthing switch of each type and rating	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4C3.6 - 400 kV Isolators - Open / Close contactor assembly, timers, key interlock for one complete (3 phase) dis-connector and (3 phase) earthing switch of each type and rating	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4C3.7 - 400 kV Isolators - Push button switch. each type, as applicable	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4C3.8.1 - 400 kV Isolators - Limit switches and Aux. Switches for complete 3 phase equipment- For isolator	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4C3.8.2 - 400 kV Isolators - Limit switches and Aux. Switches for complete 3 phase equipment For earth switch	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4C3.9.1 - 400 kV Isolators - Rotor housing bearing assembly for complete 3 phase equipment For isolator	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4C3.9.2 - 400 kV Isolators - Rotor housing bearing assembly for complete 3 phase equipment For earth switch	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4C3.10.1 - 400 kV Isolators - Motor with gear assembly for complete 3 phase equipment For isolator	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4C3.10.2 - 400 kV Isolators - Motor with gear assembly for complete 3 phase equipment For earth switch	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4C3.11 - 400 kV Isolators - Corona shield rings as applicable (1 set for one complete 3-phase isolator)	85359030	Set	2	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4C3.12.1 - 400 kV Isolators - Hinge pins for complete 3 phase equipment For isolator	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4C3.12.2 - 400 kV Isolators - Hinge pins for complete 3 phase equipment For earth switch	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4C3.13.1 - 400 kV Isolators - Bearings for complete 3 phase equipment For isolator	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4C3.13.2 - 400 kV Isolators - Bearings for complete 3 phase equipment For earth switch	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4C3.14 - 400 kV Isolators - Interlocking coil with resistors, timers, key interlock for complete 3 phase equipment (each type and rating)	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4C3.15.1 - 400 kV Isolators - Relays, Power contactors, resistors, fuses, push buttons, timers & MCBs (complete for one 3 phase equipment) For isolator	85359030	Set	3	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4C3.15.2 - 400 kV Isolators - Relays, Power contactors, resistors, fuses, push buttons, timers & MCBs (complete for one 3 phase equipment) For earth switch	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4C3.16 - 400 kV Isolators - Aux. switch assembly (complete) with 10 NO & 10 NC or more contacts for both isolator & earth switch	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4C4.1 - 400 KV Current Transformer - Gas Insulated Complete CT of each type and rating with enclosure	85359030	Set	3	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4C4.2 - 400 KV Current Transformer - Secondary bushing of each type	85359030	Set	3	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4C5.1 - 400KV Voltage Transformer - Gas Insulated Complete PT of each type and rating with enclosure	85359030	Set	3	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4E - Supply Item - Tools & tackle	85359030	Lot	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4F1 - Insulation co-ordination studies	85359030	Lot	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4F2 - Site visit for unloading & verification of material at store	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	4F3 - Supervision of Erection of GIS	85359030	Lot	1	₹	₹	₹		
UPPTCL	4F4 - Supervision of Erection of GIS Duct - GIS to SF6 to Air	85359030	Metre	600	₹	₹	₹		

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RASARA (BALLIA)	Bushings								
UPPTCL RASARA (BALLIA)	4F5 - Supervision of Erection of complete SF6 to Air Bushing	85359030	Nos.	21	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4F6 - Testing & Commissioning of GIS	85359030	Lot	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4F7 - Final successful Testing of GIS including HV test kit	85359030	Lot	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4F8 - Final Documentation	85359030	Lot	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4G1 - Training for GIS of 6 no. Engineers (4 no. customer engineers+2 no. BHEL engineers) for a period of at least one week at Manufacturer's works	85359030	Lot	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4G2 - Lodging and boarding of 4 no. customer engineers for a period of at least one week at Manufacturer's works	85359030	Lot	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4G3 - To and Fro charges of 4 no. customer engineers for a period of at least one week at Manufacturer's works	85359030	Lot	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4G4 - Training for GIS of 12 no. Engineers (10 no. customer engineers+2 no. BHEL engineers) for a period of at least one week at site	85359030	Lot	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4G5 - Lodging and boarding of 10 no. customer engineers for a period of at least one week at site	85359030	Lot	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4G6 - To and Fro charges of 10 no. customer engineers for a period of at least one week at site	85359030	Lot	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4I1 - Supply - Any other item required for completion of project and not covered in A to E- Complete List to be provided by bidder along with unit prices.	85359030	Lot	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4I2 - Services - Any other item required for completion of project and not covered in F&G - Complete List to be provided by bidder along with unit prices.	85359030	Lot	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4J1 - Operating Mechanism box for single phase, 400kV Circuit Breaker	85359030	No.	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4J2 - Operating Mechanism box for single phase, 400kV disconnecter	85359030	No.	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4J3 - Operating mechanism for single phase, 400kV, Maintenance Earthing Switch	85359030	No.	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4J4 - Operating Mechanism for single phase, 400kV, High Speed Earthing Switch	85359030	No.	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4J5 - Single phase bus bar (Any type)	85359030	Metre	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4J6 - Conductor for Single phase Bus bar/ bus duct (any type)	85359030	Kg	10	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4J8 - Gas barrier insulators	85359030	Set	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4J9 - Density switch	85359030	Set	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4J10 - UHF PD sensor along with all accessories	85359030	Set	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4J12 - Elbow/ Angle /T-bends	85359030	Set	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4J15 - Expansion bellows/ joints	85359030	Set	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4J17 - Services of manpower for erection per day (excluding travel time)	85359030	Day	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4J18 - Services of manpower for Testing & commissioning per day (excluding travel time)	85359030	Day	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	4J19 - Hiring charges of HV test kit	85359030	Lot	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	GIS 132 kV 40 KA FOR 3 S,SUPPLY ITEM (1A), SINGLE/THREE PHASE ENCAPSULATED AS PER ENCLOSED SLD WITH DOUBLE BUS BAR	85359030	LOT	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	GIS 132 kV ,SUPPLY ITEM (1B) : MANDATORY MAINTENANCE EQUIPMENT	85359030	LOT	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	GIS 132 kV SUPPLY ITEM (1C) : MANDATORY SPARES	85359030	LOT	1	↙	↙	↙		
UPPTCL	GIS 132 kV SUPPLY ITEM (1E) : SPECIAL TOOLS & TACKLES	85359030	LOT	1	↙	↙	↙		

Project	Equipment	HSN Code	Phy Unit	Qty	Unit Exworks	% IGST	Unit F&I	Plan Dt	Comments
RASARA (BALLIA)	AND TESTING EQUIPMENT								
UPPTCL RASARA (BALLIA)	GIS 132 kV SERVICE ITEM (1F) : SUPERVISION OF ERECTION, COMMISSIONING & SITE TESTING INCLUDING EARTHING	85359030	LOT	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	GIS 132 kV SERVICES ITEM (1G) : TRAINING	85359030	LOT	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	GIS 132 kV (1I) : ANY OTHER ITEM REQUIRED FOR COMPLETION OF PROJECT	85359030	LOT	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	GIS 132 KV SUPPLY ITEM (1J) : UNIT PRICES OF INDIVIDUAL ITEM/EQUIPMENT	85359030	LOT	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)		0							
UPPTCL RASARA (BALLIA)		0							
UPPTCL RASARA (BALLIA)		0							
UPPTCL RASARA (BALLIA)	1A1 - Transformer (LV side of 160MVA, 220/132kV) Bay Module:	85359030	Set	2	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1A2 - 132kV Line Feeder Bay Module:	85359030	Set	9	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1A3 - 132kV Bus Bars:	85359030	Set	2	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1A4 - 132kV Voltage Transformer module (for Busbars)	85359030	Set	2	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1A5 - 132kV Bus Coupler Bay Module:	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1A6 - 132kV Cable termination module for line bay with isolating link for testing	85359030	set	9	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1A7 - 132kV Cable termination module for line bay with isolating link for testing	85359030	set	2	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1A8 - LCC for 132kV GIS	85359030	nos.	12	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1A9 - First filling of SF6 gas for the equipment supplied plus an additional quantity sufficient for conducting all tests on equipment at site before placing it into successful operation	85359030	Lot	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1A10 - First filling of hydraulic fluid, if applicable	85359030	Lot	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1A11 - Supply of structure material, required for complete installation of 132kV GIS including support structure (foundation bolts/ embedded parts) in floor, walkway platform, structure for bus duct & railing etc. (The civil works will be done based on su	85359030	Lot	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1A12 - Supply of structure materials, required for complete installation of 132kV GIS including support structure (foundation bolts/ embedded parts) in floor, walkway platform, structure & bus duct & railing etc including wall sealing & frame for duct cro	85359030	Lot	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1A13 - Supply of Earthing material for 132kV GIS including High frequency earthing material. The quantity shall be estimated provided by bidder for above floor earthing connection.	85359030	Lot	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1A14 - Consumables required for 132kV GIS	85359030	Lot	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1A15 - Portable laddder & catwalk arrangement for maintenance	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1A16 - Coupling devices / adapters for testing and maintenance equipment	85359030	Lot	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1B1 - Portable type PDM kit alongwith sensors and accessories (UHF Type) (Dobel make or equivalent) FOR 132KV GIS	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1C1.1 - 132KV GIS spares general - SF6 Gas Pressure Relief Devices, 3 Nos. of each type	85359030	Set	2	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1C1.2 - 132KV GIS spares general - SF6 Pressure gauge with coupling device cum switch or density monitors and pressure switch as applicable (1 no. of each type)	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1C1.3 - 132KV GIS spares general - Coupling device for pressure gauge cum switch for connecting Gas handling plant	85359030	Set	2	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1C1.4 - 132KV GIS spares general - Rubber Gaskets, "O" Rings and Seals for SF6 gas of each type	85359030	Set	1	₹	₹	₹		

Project	Equipment	HSN Code	Phy Unit	Qty	Unit Exworks	% IGST	Unit F&I	Plan Dt	Comments
UPPTCL RASARA (BALLIA)	1C1.5 - 132KV GIS spares general - Molecular filter for SF6 gas with filter bags (20% of total weight)	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1C1.6 - 132KV GIS spares general - All types of Control Valves for SF6 gas of each type	85359030	Set	2	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1C1.7 - 132KV GIS spares general - SF6 gas (20 % of total gas)	85359030	Lot	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1C1.8 - 132KV GIS spares general - All types of coupling for SF6 gas (1 no. of each type)	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1C1.9 - 132KV GIS spares general - Pipe length (Copper or Steel as applicable) for SF6 Circuit of each type	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1C1.10 - 132KV GIS spares general - Density Monitors for SF6 gas	85359030	No.	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1C1.11 - 132KV GIS spares general - Enclosures, Insulators & main circuit to replace on each phase, any compartment of Busbar or bay (1 set for bay)	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1C1.12 - 132KV GIS spares general - Covers with all accessories necessary to close a compartment in case of dismantling of any part of the Enclosure to ensure the sealing of this compartment For 3 phase enclosure if applicable (1 set for bay)	85359030	Nos.	2	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1C1.13 - 132KV GIS spares general - Covers with all accessories necessary to close a compartment in case of dismantling of any part of the Enclosure to ensure the sealing of this compartment For 1 phase enclosure if applicable (1 set for bay)	85359030	Nos.	3	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1C1.14 - 132KV GIS spares general - Locking device to keep the Dis-connectors (Isolators) and Earthing switches in close or open position in case of removal of the driving Mechanism	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1C1.15 - 132KV GIS spares general - Bus support Insulator of each type for single phase/ 3 phase enclosure (5% of population)	85359030	No.	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1C1.16 - 132KV GIS spares general - Spares for Local control cabinet including MCB, fuses, timers, Aux Relay of each type & rating terminal of each type	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1C1.17 - 132KV GIS spares general - Bushing for Dielectric test on Cable	85359030	No.	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1C1.19 - 132KV GIS spares general - Cable Termination Enclosure	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1C2.1 - 132 kV Circuit Breaker-Complete Circuit Breaker pole of each type & rating complete with interrupter, main circuit, enclosure and Marshalling Box with operating mechanism	85359030	Set	3	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1C2.2 - 132 kV Circuit Breaker-Fixed, moving and arcing contacts including insulating nozzles 3 nos. of each type	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1C2.3 - 132 kV Circuit Breaker-Rubber gaskets, 'O' rings and seals for SF6 gas of each type	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1C2.4 - 132 kV Circuit Breaker-Trip coil assembly with resistor as applicable, 3 nos. of each type	85359030	Set	2	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1C2.5 - 132 kV Circuit Breaker-Closing coil assembly with resistor as applicable, 3 nos. of each type	85359030	Set	2	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1C2.6 - 132 kV Circuit Breaker-Molecular filter for SF6 gas with filter bags (10% of total quantity used)	85359030	LS	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1C2.7 - 132 kV Circuit Breaker-SF6 Pressure gauge cum switch or Density monitors and pressure switch as applicable, 3 nos each type	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1C2.8 - 132 kV Circuit Breaker-Coupling device for pressure gauge cum switch for connecting Gas handling plant, 3 nos. of each type	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1C2.9 - 132 kV Circuit Breaker-Relays, Power contactors, push buttons, timers & MCBs etc of each type & rating	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1C2.10 - 132 kV Circuit Breaker-Closing assembly/ valve, 3 nos. of each type	85359030	Set	2	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1C2.11 - 132 kV Circuit Breaker-Trip assembly/ valve, 3 nos. of each type	85359030	Set	2	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1C2.12 - 132 kV Circuit Breaker-Aux. switch assembly, 3 nos. of each type	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1C2.13 - 132 kV Circuit Breaker-Operation Counter, 3 nos. of each type	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1C2.14 - 132 kV Circuit Breaker-Rupture disc, 3 nos. of each type	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	1C2.15 - 132 kV Circuit Breaker-Windoscope / Observing window, 3 nos. of each type	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA	1C2.16 - 132 kV Circuit Breaker-Spring operating closing mechanism one no of each type, if applicable	85359030	Set	1	₹	₹	₹		

[illegible]

[illegible]

Project	Equipment	HSN Code	Phy Unit	Qty	Unit Exworks	% IGST	Unit F&I	Plan Dt	Comments
UPPTCL RASARA (BALLIA)	1J6 - Conductor for Single phase Bus bar/ bus duct (any type)	85359030	kg	10	↗	↗	↗		
UPPTCL RASARA (BALLIA)	1J8 - Gas barrier insulators	85359030	Set	1	↗	↗	↗		
UPPTCL RASARA (BALLIA)	1J9 - Density switch	85359030	Set	1	↗	↗	↗		
UPPTCL RASARA (BALLIA)	1J10 - UHF PD sensor along with all accessories	85359030	Set	1	↗	↗	↗		
UPPTCL RASARA (BALLIA)	1J11 - Elbow/ Angle /T-bends	85359030	Set	1	↗	↗	↗		
UPPTCL RASARA (BALLIA)	1J12 - Expansion bellows/ joints	85359030	Set	1	↗	↗	↗		
UPPTCL RASARA (BALLIA)	1J13 - Services of manpower for erection per day (excluding travel time)	85359030	Day	1	↗	↗	↗		
UPPTCL RASARA (BALLIA)	1J14 - Services of manpower for Testing & commissioning per day (excluding travel time)	85359030	Day	1	↗	↗	↗		
UPPTCL RASARA (BALLIA)	1J15 - Hiring charges of HV test kit	85359030	Lot	1	↗	↗	↗		
UPPTCL RASARA (BALLIA)	GIS 220KV SUPPLY ITEM (2C) : MANDATORY SPARES	85359030	LOT	1	↗	↗	↗		
UPPTCL RASARA (BALLIA)	GIS 220 KV SERVICES ITEM(2F): SUPERVISION OF ERECTION, COMMISSIONING & SITE TESTING INCLUDING EARTHING	85359030	LOT	1	↗	↗	↗		
UPPTCL RASARA (BALLIA)	GIS 220 KV SERVICES ITEM (2G): TRAINING	85359030	LOT	1	↗	↗	↗		
UPPTCL RASARA (BALLIA)	GIS 220KV SUPPLY ITEM (2J): UNIT PRICES OF INDIVIDUAL ITEM/EQUIPMENT	85359030	LOT	1	↗	↗	↗		
UPPTCL RASARA (BALLIA)	GIS 220 kV 40 KA FOR 3S SUPPLY ITEM (2A): GIS SINGLE/THREE PHASE ENCAPSULATED, AS PER ENCLOSED SLD WITH DOUBLE BUS BAR SCH	85359030	LOT	1	↗	↗	↗		
UPPTCL RASARA (BALLIA)	GIS 220 kV SUPPLY ITEM (2B) : MANDATORY MAINTENANCE EQUIPMENT	85359030	LOT	1	↗	↗	↗		
UPPTCL RASARA (BALLIA)	GIS 220 kV ,SUPPLY ITEM (2E) : SPECIAL TOOLS & TACKLES AND TESTING EQUIPMENT	85359030	LOT	1	↗	↗	↗		
UPPTCL RASARA (BALLIA)	GIS 220 kV (2I) : ANY OTHER ITEM REQUIRED FOR COMPLETION OF PROJECT	85359030	LOT	1	↗	↗	↗		
UPPTCL RASARA (BALLIA)	2A1 - 220kV Transformer (LV side of 500MVA, 400/220kV) Bay Module:	85359030	Set	2	↗	↗	↗		
UPPTCL RASARA (BALLIA)	2A2 - 220kV Transformer (HV side of 160MVA, 220/132kV) Bay Module:	85359030	Set	2	↗	↗	↗		
UPPTCL RASARA (BALLIA)	2A3 - 220kV Line Feeder Bay Module:	85359030	Set	8	↗	↗	↗		
UPPTCL RASARA (BALLIA)	2A4 - 220kV Bus Bars:	85359030	Set	2	↗	↗	↗		
UPPTCL RASARA (BALLIA)	2A5 - 220kV Voltage Transformer module (for Busbars)	85359030	Set	2	↗	↗	↗		
UPPTCL RASARA (BALLIA)	2A6 - 220kV Bus Coupler Bay Module:	85359030	Set	1	↗	↗	↗		
UPPTCL RASARA (BALLIA)	2A7 - 220kV Gas Insulated Bus Duct	85359030	Metre	240	↗	↗	↗		
UPPTCL RASARA (BALLIA)	2A8 - 220kV SF6 to Air Bushing	85359030	Nos.	12	↗	↗	↗		
UPPTCL RASARA (BALLIA)	2A9 - 220kV Cable termination module for line bay with isolating link	85359030	Set	8	↗	↗	↗		
UPPTCL RASARA (BALLIA)	2A10 - LCC for 220kV GIS	85359030	Nos.	13	↗	↗	↗		
UPPTCL RASARA (BALLIA)	2A11 - First filling of SF6 gas for the equipment supplied plus an additional quantity sufficient for conducting all tests on equipment at site before placing it into successful operation	85359030	Lot	1	↗	↗	↗		
UPPTCL RASARA (BALLIA)	2A12 - First filling of hydraulic fluid, if applicable	85359030	Lot	1	↗	↗	↗		
UPPTCL RASARA (BALLIA)	2A13 - Supply of structure materials, required for complete installation of 220kV GIS including support structure (foundation bolts/ embedded parts) in floor, walkway platform, structure & bus duct & railing etc including wall sealing &	85359030	Lot	1	↗	↗	↗		

Project	Equipment	HSN Code	Phy Unit	Qty	Unit Exworks	% IGST	Unit F&I	Plan Dt	Comments
	frame for duct cro								
UPPTCL RASARA (BALLIA)	2A14 - Supply of Earthing material for 220kV GIS including High frequency earthing material. The quantity shall be estimated provided by bidder for above floor earthing connection.	85359030	Lot	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2A15 - Consumables required for 220kV GIS	85359030	Lot	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2A16 - Portable ladder & catwalk arrangement for maintenance	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2A17 - Coupling devices / adapters for testing and maintenance equipment	85359030	SET	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2B1 - Portable type PDM kit alongwith sensors and accessories (UHF Type) (Dobel make or equivalent) FOR 220KV GIS	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C1.1 - 220kV GIS spares general -SF6 Gas Pressure Relief Devices, 3 Nos. of each type	85359030	Set	2	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C1.2 - 220kV GIS spares general -SF6 Pressure gauge with coupling device cum switch or density monitors and pressure switch as applicable (1 no. of each type)	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C1.3 - 220kV GIS spares general -Coupling device for pressure gauge cum switch for connecting Gas handling plant	85359030	Set	2	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C1.4 - 220kV GIS spares general -Rubber Gaskets, "O" Rings and Seals for SF6 gas of each type	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C1.5 - 220kV GIS spares general -Molecular filter for SF6 gas with filter bags (20% of total weight)	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C1.6 - 220kV GIS spares general -All types of Control Valves for SF6 gas of each type	85359030	Set	2	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C1.7 - 220kV GIS spares general -SF6 gas (20 % of total gas)	85359030	Lot	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C1.8 - 220kV GIS spares general -All types of coupling for SF6 gas (1 no. of each type)	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C1.9 - 220kV GIS spares general -Pipe length (Copper or Steel as applicable) for SF6 Circuit of each type	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C1.10 - 220kV GIS spares general -Density Monitors for SF6 gas	85359030	Nos.	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C1.11 - 220kV GIS spares general -Enclosures, Insulators & main circuit to replace on each phase, any compartment of Busbar or bay (1 set for 1 bay)	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C1.12 - 220kV GIS spares general -Covers with all accessories necessary to close a compartment in case of dismantling of any part of the Enclosure to ensure the sealing of this compartment - For 3 phase enclosure if applicable (1 set for 1 bay)	85359030	Nos.	2	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C1.13 - 220kV GIS spares general -Covers with all accessories necessary to close a compartment in case of dismantling of any part of the Enclosure to ensure the sealing of this compartment - For 1 phase enclosure if applicable (1 set for 1 bay)	85359030	Nos.	3	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C1.14 - 220kV GIS spares general -Locking device to keep the Dis-connectors (Isolators) and Earthing switches in close or open position in case of removal of the driving Mechanism	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C1.15 - 220kV GIS spares general -Bus support Insulator of each type for single phase/ 3 phase enclosure (5% of population)	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C1.16 - 220kV GIS spares general -SF6 to air bushing (220 kV) of each type & rating	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C1.17 - 220kV GIS spares general -Spares for Local control cabinet including MCB, fuses, timers, Aux Relay of each type & rating terminal of each type	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C1.18 - 220kV GIS spares general -Bushing for Dielectric test on Cable	85359030	Nos.	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C1.20 - 220kV GIS spares general -Cable Termination Enclosure	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C2.1 - 220 kV Circuit Breaker - Complete Circuit Breaker pole of each type & rating complete with interrupter, main circuit, enclosure and Marshalling Box with operating mechanism	85359030	Set	3	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C2.2 - 220 kV Circuit Breaker - Fixed, moving and arcing contacts including insulating nozzles 3 nos. of each type	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C2.3 - 220 kV Circuit Breaker - Rubber gaskets, 'O' rings and seals for SF6 gas of each type	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C2.4 - 220 kV Circuit Breaker - Trip coil assembly with resistor as applicable, 3 nos. of each type	85359030	Set	2	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C2.5 - 220 kV Circuit Breaker - Closing coil assembly with resistor as applicable, 3 nos. of each type	85359030	Set	2	₹	₹	₹		

Project	Equipment	HSN Code	Phy Unit	Qty	Unit Exworks	% IGST	Unit F&I	Plan Dt	Comments
UPPTCL RASARA (BALLIA)	2C2.6 - 220 kV Circuit Breaker - Molecular filter for SF6 gas with filter bags (10% of total quantity used)	85359030	Lot	1					
UPPTCL RASARA (BALLIA)	2C2.7 - 220 kV Circuit Breaker - SF6 Pressure gauge cum switch or Density monitors and pressure switch as applicable, 3 nos each type	85359030	Set	1					
UPPTCL RASARA (BALLIA)	2C2.8 - 220 kV Circuit Breaker - Coupling device for pressure gauge cum switch for connecting Gas handling plant, 3 nos. of each type	85359030	Set	1					
UPPTCL RASARA (BALLIA)	2C2.9 - 220 kV Circuit Breaker - Relays, Power contactors, push buttons, timers & MCBs etc of each type & rating	85359030	Set	1					
UPPTCL RASARA (BALLIA)	2C2.10 - 220 kV Circuit Breaker - Closing assembly/ valve, 3 nos. of each type	85359030	Set	2					
UPPTCL RASARA (BALLIA)	2C2.11 - 220 kV Circuit Breaker - Trip assembly/ valve, 3 nos. of each type	85359030	Set	2					
UPPTCL RASARA (BALLIA)	2C2.12 - 220 kV Circuit Breaker - Aux. switch assembly, 3 nos. of each type	85359030	Set	1					
UPPTCL RASARA (BALLIA)	2C2.13 - 220 kV Circuit Breaker - Operation Counter, 3 nos. of each type	85359030	Set	1					
UPPTCL RASARA (BALLIA)	2C2.14 - Rupture disc, 3 nos. of each type	85359030	Set	1					
UPPTCL RASARA (BALLIA)	2C2.15 - 220 kV Circuit Breaker - Windoscope / Observing window, 3 nos. of each type	85359030	Set	1					
UPPTCL RASARA (BALLIA)	2C2.16 - 220 kV Circuit Breaker - Spring operating closing mechanism one no of each type, if applicable	85359030	Set	1					
UPPTCL RASARA (BALLIA)	2C2.17 - 220 kV Circuit Breaker - Hydraulic operating mechanism with drive motor , 3 nos of each type if applicable	85359030	Set	1					
UPPTCL RASARA (BALLIA)	2C2.18 - 220 kV Circuit Breaker - Ferrules, joints and couplings, 3 nos. of each type	85359030	Set	1					
UPPTCL RASARA (BALLIA)	2C2.19 - 220 kV Circuit Breaker - Hydraulic filter, 3 nos. of each type	85359030	Set	1					
UPPTCL RASARA (BALLIA)	2C2.20 - 220 kV Circuit Breaker - Hose pipe, 3 nos. of each type	85359030	Set	1					
UPPTCL RASARA (BALLIA)	2C2.21 - 220 kV Circuit Breaker - N2 Accumulator, 3 nos. of each type	85359030	Set	1					
UPPTCL RASARA (BALLIA)	2C2.22 - 220 kV Circuit Breaker - Pressure transducer, 3 nos. of each type	85359030	Set	1					
UPPTCL RASARA (BALLIA)	2C2.23 - 220 kV Circuit Breaker - Valves 3 nos. of each type	85359030	Set	1					
UPPTCL RASARA (BALLIA)	2C2.24 - 220 kV Circuit Breaker - Pipe length (copper & steel) 3 nos. of each size & type	85359030	Set	1					
UPPTCL RASARA (BALLIA)	2C2.25 - 220 kV Circuit Breaker - Pressure switches 3 nos. of each type	85359030	Set	1					
UPPTCL RASARA (BALLIA)	2C2.26 - 220 kV Circuit Breaker - Pressure gauge with coupling device, 3 nos. of each type	85359030	Set	1					
UPPTCL RASARA (BALLIA)	2C2.27 - 220 kV Circuit Breaker - Hydraulic oil (20% of total qty. used)	85359030	Set	1					
UPPTCL RASARA (BALLIA)	2C2.28 - 220 kV Circuit Breaker - Pressure Relief Device, 3 nos. of each type	85359030	Set	2					
UPPTCL RASARA (BALLIA)	2C3.1 - 220 kV Isolators - Complete set of 3 nos. of single phase / one no. of 3-phase dis-connector including main circuit, enclosure, driving mechanism	85359030	Set	1					
UPPTCL RASARA (BALLIA)	2C3.2 - 220 kV Isolators - Single Phase/Three Phase High speed fault making grounding switch operating mechanism complete with all necessary gaskets mounting hardware/operating mechanism complete with all necessary gaskets connecting apparatus.	85359030	Set	1					
UPPTCL RASARA (BALLIA)	2C3.3 - 220 kV Isolators - 3 no. of single phase / one no of 3-phase Earthing switch including main circuit, enclosure, driving mechanism	85359030	Set	1					
UPPTCL RASARA (BALLIA)	2C3.4 - 220 kV Isolators - Copper contact fingers for dis-connector male & female contact -for one complete (3 phase) dis-connector of each type and rating	85359030	Set	1					
UPPTCL RASARA (BALLIA)	2C3.5 - 220 kV Isolators - Copper contact fingers for earthing switch male & female contacts- for one complete (3 phase) earthing switch of each type and rating	85359030	Set	1					
UPPTCL RASARA (BALLIA)	2C3.6 - 220 kV Isolators - Open / Close contactor assembly, timers, key interlock for one complete (3 phase) dis-connector and (3 phase) earthing switch of each type and rating	85359030	Set	1					
UPPTCL RASARA	2C3.7 - 220 kV Isolators - Push button switch. each type, as applicable	85359030	Set	1					

Project	Equipment	HSN Code	Phy Unit	Qty	Unit Exworks	% IGST	Unit F&I	Plan Dt	Comments
(BALLIA)									
UPPTCL RASARA (BALLIA)	2C3.8.1 - 220 kV Isolators -Limit switches and Aux. Switches for complete 3 phase equipment For isolator	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C3.8.2 - Limit switches and Aux. Switches for complete 3 phase equipment For earth switch	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C3.9.1 - 220 kV Isolators -Rotor housing bearing assembly for complete 3 phase equipment For isolator	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C3.9.2 - 220 kV Isolators -Rotor housing bearing assembly for complete 3 phase equipment For earth switch	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C3.10.1 - 220 kV Isolators - Motor with gear assembly for complete 3 phase equipment For isolator	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C3.10.2 - 220 kV Isolators - Motor with gear assembly for complete 3 phase equipment For earth switch	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C3.10.3 - 220 kV Isolators - Corona shield rings as applicable (1 set for one complete 3-phase isolator)	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C3.11.1 - 220 kV Isolators - Hinge pins for complete 3 phase equipment For isolator	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C3.11.2 - 220 kV Isolators - Hinge pins for complete 3 phase equipment For earth switch	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C3.12.1 - 220 kV Isolators - Bearings for complete 3 phase equipment For isolator	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C3.12.2 - 220 kV Isolators - Bearings for complete 3 phase equipment For earth switch	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C3.12.3 - 220 kV Isolators - Interlocking coil with resistors, timers, key interlock for complete 3 phase equipment (each type and rating)	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C3.13.1 - 220 kV Isolators - Relays, Power contactors, resistors, fuses, push buttons, timers & MCBs (complete for one 3 phase equipment) For isolator	85359030	Set	3	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C3.13.2 - 220 kV Isolators - Relays, Power contactors, resistors, fuses, push buttons, timers & MCBs (complete for one 3 phase equipment) For earth switch	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C3.13.3 - 220 kV Isolators - Relays, Power contactors, resistors, fuses, push buttons, timers & MCBs (complete for one 3 phase equipment) -Aux. switch assembly (complete) with 10 NO & 10 NC or more contacts for both isolator & earth switch	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C4.1 - 220kV Current transformer -Gas Insulated Complete 220kV CT of each type and rating with enclosure	85359030	Nos.	3	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C4.2 - 220kV Current transformer - Secondary bushing of each type	85359030	Set	3	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2C5.1 - Gas Insulated Complete 220kV PT of each type and rating with enclosure	85359030	Nos.	3	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2E - Supply Item - Tools & tackle FOR 220 KV GIS	85359030	Lot	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2F1 - Insulation co-ordination studies	85359030	Lot	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2F2 - Site visit for unloading & verification of material at store	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2F3 - Supervision of Erection of GIS	85359030	Lot	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2F4 - Supervision of Erection of GIS Duct - GIS to SF6 to Air Bushings	85359030	Metre	240	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2F5 - Supervision of Erection of 220kV Cable termination module	85359030	Set	4	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2F6 - Supervision of Erection of complete SF6 to Air Bushing	85359030	Set	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2F7 - Testing & Commissioning of GIS	85359030	Lot	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2F8 - Final successful Testing of GIS including HV test kit	85359030	Lot	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2F9 - Final Documentation	85359030	Lot	1	₹	₹	₹		
UPPTCL RASARA (BALLIA)	2F10- Testing & Commissioning of GIS for 220kV cable termination	85359030	Set	4	₹	₹	₹		
UPPTCL	2G1 - Training for 220kV GIS of 6 no. Engineers (4 no. customer	85359030	Lot	1	₹	₹	₹		

Project	Equipment	HSN Code	Phy Unit	Qty	Unit Exworks	% IGST	Unit F&I	Plan Dt	Comments
RASARA (BALLIA)	engineers+2 no. BHEL engineers) for a period of at least one week at Manufacturer's works								
UPPTCL RASARA (BALLIA)	2G2 - Lodging and boarding of 4 no. customer engineers for a period of at least one week at Manufacturer's works	85359030	Lot	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	2G3 - To and Fro charges of 4 no. customer engineers for a period of at least one week at Manufacturer's works	85359030	Lot	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	2G4 - Training for 220kV GIS of 12 no. Engineers (10 no. customer engineers+2 no. BHEL engineers) for a period of at least one week at site	85359030	Lot	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	2G5 - Lodging and boarding of 10 no. customer engineers for a period of at least one week at site	85359030	Lot	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	2G6 - To and Fro charges of of 10 no. customer engineers for a period of at least one week at site	85359030	Lot	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	2I1 - Supply - Any other item required for completion of project and not covered in A to E- Complete List to be provided by bidder along with unit prices.	85359030	Lot	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	2I2 - Services - Any other item required for completion of project and not covered in F&G - Complete List to be provided by bidder along with unit prices.	85359030	Lot	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	2J1 - Operating Mechanism box for 220kV , 2000 A Circuit Breaker	85359030	No.	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	2J2 - Operating Mechanism box for 220kV , 2000 A disconnector	85359030	No.	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	2J3 - Operating mechanism for 220kV , Maintenance Earthing Switch	85359030	No.	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	2J4 - Operating Mechanism for 220kV , High Speed Earthing Switch	85359030	No.	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	2J5 - Single Phase Bus bar (Any type)	85359030	m	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	2J6 - Conductor for Single phase Bus bar/ bus duct (any type)	85359030	kg	10	↙	↙	↙		
UPPTCL RASARA (BALLIA)	2J7 - Gas barrier insulators (of each type and rating)	85359030	Set	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	2J8 - Density switch	85359030	Set	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	2J9 - UHF PD sensor along with all accessories	85359030	Set	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	2J10 - Elbow / Angle / T-bends	85359030	Set	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	2J11 - Expansion bellows/ joints	85359030	Set	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	2J12 - Expansion joints / bellows	85359030	No.	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	2J13 - Services of manpower for erection per day (excl. travel time)	85359030	days	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	2J14 - Services of manpower for Testing & commissioning per day (excl. travel time)	85359030	days	1	↙	↙	↙		
UPPTCL RASARA (BALLIA)	2J15 - Hiring charges of HV test kit	85359030	lot	1	↙	↙	↙		

You are requested to submit your most competitive offer so as to reach us positively by the tender opening date & time. THE TENDERS NOT RECEIVED WITHIN SCHEDULED DATE AND TIME ARE LIKELY TO BE IGNORED. BHEL shall not be responsible for any postal delay.

IN YOUR OWN INTEREST YOU ARE ADVISED TO CAREFULLY READ "THE INSTRUCTIONS TO BIDDERS". INCOMPLETE BIDS AND/OR BIDS NOT COMPLYING WITH TENDER CONDITIONS SHALL BE TREATED AS NON RESPONSIVE AND ARE LIKELY TO BE IGNORED.

In case Tender Documents are not received within 7 days of this E-mail message, intimate BHEL accordingly. If no intimation is received, it will be considered that you have received tender enquiry and delay in submission offer due to late receipt of tender documents will not be entertained.

YOU ARE REQUESTED TO SUBMIT YOUR MOST COMPETITIVE OFFER SO AS TO REACH US POSITIVELY BY 2 PM ON THE TENDER OPENING DATE AND TENDER WILL BE OPENED AT 2:30 PM WITH EFFECT FROM 15-SEP-09.

BHEL RESERVES THE RIGHT TO OPT FOR REVERSE AUCTION FOR OBTAINING BEST PRICES.

OFFERS THROUGH E-MAIL / FAX:

WHOSOEVER DESIRES TO SEND OFFERS ON THEIR OWN RISK (COMPLETE IN ALL RESPECTS) VIA E-MAIL or FAX HAVE TO SEND THE OFFERS TO THE COMMON E-MAIL ADDRESS tenderbox@bhel.in or 0120-6748581 FAX .

THE RECEIVED EMAIL OFFERS WILL BE PRINTED BY PURCHASE COORDINATOR AND PUT THEM INTO COVERS AS PER CONVENTIONAL METHOD FOR TENDER OPENING I.E., TECHNO COMMERCIAL & PRICE OFFER SHALL BE PUT INTO TWO SEPARATE COVERS AND BOTH THE COVERS ARE KEPT IN THIRD COVER DULY SUPER SCRIBING ENQY. NO. AND DUE DATE.

OFFERS SENT TO ANY OTHER E-MAIL ID or FAX NO AND INCOMPLETE OFFERS SHALL NOT BE CONSIDERED FOR EVALUATION PURPOSE.

It is suggested that the bidders are advised to send the files with 'password protection'. procedure for giving a password to a file has been given below:

For saving Excel file with password

Steps to be followed:

1. Click on the FILE option in XP system and Start sign in Vista system then go to SAVE AS option.
2. Select the location to save and Click on the TOOLS box and go to GENERAL OPTION.
3. It will ask for the password, type the password into open or modify box or both as required.
4. Then click on the OK button it will ask for reenter of the password.
5. After reentering the password click on the save box.

For saving Word file with password

Steps to be followed:

1. Click on the FILE option in XP and Start sign in Vista then go to SAVE AS option.
2. Select the location to save and Click on the TOOLS box and go to SECURITY OPTION in XP system and GENERAL OPTION in Vista system.
3. It will ask for the password, type the password into open or modify box or both as required.
4. Then click on the OK button it will ask for reenter of the password.
5. After reentering the password click on the save box.

The vendors who has sent offers with password, the passwords are to be forwarded to another email id: supplierinfo@bhelindustry.com

MSME STATUS

"THOSE INDUSTRIES WHO HAVE FILED A MEMORANDUM WITH THE CONCERNED AUTHORITIES AND REGISTERED AS MICRO & SMALL ENTERPRISE UNDER MICRO, SMALL AND MEDIUM ENTERPRISES DEVELOPMENT ACT 2006, HAVE TO SUBMIT A COPY OF SUCH REGISTRATION CERTIFICATE / MEMORANDUM TO BHEL FOR NECESSARY COMPLIANCES OF THE ABOVE ACT".

Please acknowledge the receipt of tender enquiry and fax back this letter by ticking the appropriate item below.

for BHARAT HEAVY ELECTRICALS LTD

We acknowledge the receipt of tender.

- (a) The offer against subject enquiry shall be submitted by the scheduled date and time.
- (b) We regret to quote. The item in reference is out of our manufacturing range.
- (c) We regret because of our prior commitments.
- (d) Any other reason.

To
A K Chowdhary
Sr Dy General Manager
BHARAT HEAVY ELECTRICALS LIMITED
TRANSMISSION BUSINESS GROUP
TOWER-A, 5th Floor,
Advant Navis IT Business Park,
Plot No-7, Sector-142, Expressway Noida
Noida-201305
Distt. Gautam BudhNagar, U.P

Ph: 0120-6748129
Fax: 0120-6748581

Enquiry No : 279G002 Enquiry Dt : 08-May-19

Signature and Seal of Tenderer

**SPECIAL TERMS & CONDITIONS FOR 400KV/220KV/132KV GIS FOR UPPTCL RASARA
(BALIA) PROJECT**

Clauses of GTC	Enquiry No.:279G002; date:08/05/2019 Description
-	1. In case any discrepancy between the requirements mentioned under special terms & conditions and general terms & conditions, special terms and conditions shall prevail. 2. Enquiry is floated as open tender and shall be opened through tender box. 3. Pre Bid queries are invited within 10 days from the date of latest publishing of enquiry. 4. All queries shall be replied, if required vendor may be called for pre bid meeting. Suitable corrigendum shall be issued if required. Vendor to submit offer accordingly. Due date of tender shall be suitably extended in line with corrigendum. 5. For any technical clarification, pls contact Mrs. Muneet Mehta, Sr.Mgr (TBEM)/Sh. Vivek Kapil, DGM-TBEM BHEL, Transmission Business Group, Tower-A, 5th Floor, Advant Navis IT Business Park Plot-7, Sector-142, Expressway Noida, Noida-201305, UP, India Phone: +91 (0) 0120- 6748518/8134 Fax: +91 (0) 0120 – 6748580. e-mail : muneet@bhel.in; vivekk@bhel.in; 6. For any commercial clarification, pls contact Sh. Bhagchand Kumawat, Sr. Mgr-TBMM/Sh A.K. Chowdhary BHEL, Transmission Business Group, Tower-A, 5th Floor, Advant Navis IT Business Park Plot-7, Sector-142, Expressway Noida, Noida-201305, UP, India Phone: +91 (0) 0120- 6748487/8129, Fax: +91 (0) 0120 – 6748581. e-mail : bkumawat@bhel.in; akchowdhary@bhel.in 7. Notes : (1) Vendor to quote price bid rating wise and keep in separate envelope with superscription of rating of GIS and enquiry number. (2) Price bid opening of offers is subject to vendor approval from customer. The following documents may be submitted for vendor approval: i. Type test report ii. Performance Certificate iii. Reference List iv. Any other documents required from customer will be communicated during approval. (3) PRE-QUALIFICATION REQUIREMENT- As per Annexure. (4) MQP Requirement: As per specification. (5) In case of foreign bidder Port of discharge shall be Chennai port or Mumbai port as opted by bidders. Bidder to indicate port of discharge in Unprice bid.

**SPECIAL TERMS & CONDITIONS FOR 400KV/220KV/132KV GIS FOR UPPTCL RASARA
(BALIA) PROJECT**

Clauses of GTC	Enquiry No.:279G002; date:08/05/2019 Description
	(6) Project Status : Domestic; Custom duty Benefit: No tax benefit (7) Sea worthy packing is applicable in case of imported goods. Packing as per specification is applicable in case of Indigenous supplier. However bidder to ensure proper packing to avoid any damage & packing of spares should be separated. (8) Validity of BG –It should cover the guarantee period. (9) BHEL /Customer or both may witness the inspection as per approved QAP. (10) The unit prices of addition/ deletion and type test charges (if applicable), as mentioned in BOQ of section-1 of technical specification shall be considered for evaluation. (11) In case due date has been extended, date of opening of submitted offer shall be considered for purpose of evaluation. (12) Order shall be awarded on CIF basis in case of foreign bidder and on ex- works basis in case of indigenous bidder. (13) Indian Bidder to arrange freight & insurance upto site. Supplier to ensure availability of their authorised person at site during unloading for supervision. The Freight & Insurance to be paid by vendor on behalf of BHEL to be re-imbursed. Proof of transit insurance should be submitted alongwith dispatch documents. Note:- Transit Insurance policy shall be in Bidder's scope and that should also have a provision of 30 days extended cover at site/ store. (14) Foreign bidder to quote upto CIF. Supplier to ensure availability of their authorised person at site during unloading for supervision. (15) Unloading of material at site is not in scope of bidder. (16) Vendor to follow for technical specification: TB-404-316-001,Rev 01. (17) Permissible Technical Deviations: No permissible Technical Deviation has been envisaged. (18) In case of foreign bidder: a. Custom duty: In scope of BHEL. For purpose of evaluation, the duty shall be loaded in their offer to arrive total cost to BHEL and same shall be informed to all qualified bidders before price bid opening. b. Loading of custom clearance & handling charges: As per clause no 18 of GTC. c. Loading of freight & Insurance from discharge port to BHEL site: As per clause no 18 of GTC (19) In case training/ Type Test is conducted outside India, all taxes and duties outside INDIA shall be in scope of bidder and deemed to be included in their quoted prices.
1	INSTRUCTION TO BIDDER : Following clause shall be applicable in place of existing clause no 1.5 b) of GTC:- Clause 1.5 b) Price bids (Part-II): To be submitted in separately in sealed envelopes for each of GIS ie for 400kV GIS, 220KV GIS and 132KV GIS. Vendor may quote for one or more rating of GIS. In case vendor quotes for more than one GIS rating, care should be taken that Price Bid of each rating of GIS is submitted in separate sealed Envelope. Each Envelope should contain only one Price Bid. Rating of GIS (400KV GIS or 220kV GIS or 132 KV GIS as the case may be) for which price bid is contained in Envelope must be mentioned on each envelope.

**SPECIAL TERMS & CONDITIONS FOR 400KV/220KV/132KV GIS FOR UPPTCL RASARA
(BALIA) PROJECT**

Clauses of GTC	Enquiry No.:279G002; date:08/05/2019 Description
	Clause 1.6 The part-1 Bid and Part-2 Bids are to be sealed in separate envelopes and marked as "Techno Commercial Bid (Part-I) and Price Bid (Part-II) respectively. All the envelopes are to be kept in another Common Envelope. Each Envelope should be sealed and super scribed with Tender Enquiry No, Item/package name, Project name and due date of opening. Bidder's name and address shall also be mentioned in each envelope. Further, in case of price bid envelope (s), Rating of GIS (400KV GIS or 220KV GIS or 132 KV GIS as the case may be) for which price bid is contained in envelope must be mentioned on each envelope.
3	TERMS OF PAYMENT : (i) clause no 3.1 and 3.3- of GTC are not applicable in this NIT (ii) Following clause shall be applicable in place of existing clause no 3.2,3.5 of GTC:- 3.2 <u>Supply:</u> A. In case of indigenous bidder: I. 85% of payment of total invoice value (Exworks +Taxes+F&I) within 60days from the date of receipt of complete invoice along with documents in 3 sets(original+ 2 copies) as follows : - LR / GR. - Material Receipt Certificate issued by BHEL Site Official. - GST Compliant Tax Invoice. - Delivery Challan or Packing list (case wise). - Copy of Transit Insurance Certificate from underwriters. - Material Inspection Clearance Certificate (MICC) issued by BHEL Quality Management - Guarantee Certificate - Copy of Performance Bank Guarantee (PBG) - Certificate of acceptance of Type Test Reports issued by BHEL Engineering Management wherever specifically mentioned in the Purchase Order. B. In case of foreign bidder I. 85% of payment of total invoice value (CIF value) within 90 days from the date of receipt of complete invoice along with documents in 3 sets(original+ 2 copies) - as follows): - Invoice. - Bill of Lading. - Delivery Challan (If applicable) or Packing list (case wise). - Certificate of Origin. - Transit insurance certificate from under writers or copy of intimation of Transit Insurance duly endorsed by under writers (if applicable). - MICC (Material inspection clearance certificate) given by BHEL. - Guarantee Certificate. - Performance Bank Guarantee copy.

**SPECIAL TERMS & CONDITIONS FOR 400KV/220KV/132KV GIS FOR UPPTCL RASARA
(BALIA) PROJECT**

Clauses of GTC	Enquiry No.:279G002; date:08/05/2019 Description
	II. 5% of payment of total invoice value against joint verification of received consignment at store/ site on prorata basis within 60days from the date of receipt of complete invoice. Documents (original+ 2 copies) will be required for payment - Invoice. - Joint verification reports as per packing list after opening of box by BHEL site & Bidder's authorised representative. Note: Payment shall be made on prorata basis based on joint inspection of supplied material. Therefore, Joint verification reports should mention all tax invoice nos and nos of boxes corresponding to original packing list / invoice. III. 5% of payment of total invoice value on prorata basis against completion of HV test on all bays at site within 60 days from date of receipt of invoice. Documents (original + 2 copies) will be required for payment. - Invoice. - Certificate for completion of HV Test from BHEL site. Note: - (a) Invoice for 5% of payment of total invoice value shall be processed based on nos of bays on prorata basis without any reference to BOQ as per contract. Nos of bays in respect of which HV test has been successfully completed, as well as, total nos of bays as per contract should be mentioned in completion certificate by BHEL site in charge. (b) In case of conduction of HV test gets delayed beyond 12 months from the date of supply for the reasons not attributable to supplier, supplier may claim this payment (5% of payment of supply) by furnishing following documents: (1) Invoice (2) Certificate issued jointly by BHEL site incharge and BHEL TBCM Project manager. Confirming that delay in conducting HV test is not attributable to supplier (to be arranged by BHEL TBG). (3) Copy of Bank Guarantee of equivalent value initially valid for 6 months from the date of submission of invoice with additional claim period of three months. Incase HV test is not successfully completed before expiry of Bank Guarantee, BG shall be kept suitably extended till successful completion of HV test. IV. 5% of payment of total invoice value against completion of final engineering documentation and completion of supervision activity within 60 days from date of receipt of invoice. Documents (original + 2 copies) will be required for payment. - Invoice. - Final engineering documentation certificate by BHEL Engg group. - Successful completion certificate of supervision of ETC at site issued by BHEL site. - Copy of PBG to the customer as per clause of additional terms and condition of STC <u>3.5. For Charges for Supervision of Erection, Testing & Commissioning at Site and other services (not specified at elsewhere):</u> a. 90% of payment of total invoice value (Service Charge +Taxes) after completion of HV test activity by BHEL site within 60 days from the date of receipt of invoice. Documents (original + 2 copies) will be required for payment.

**SPECIAL TERMS & CONDITIONS FOR 400KV/220KV/132KV GIS FOR UPPTCL RASARA
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Clauses of GTC	Enquiry No.:279G002; date:08/05/2019 Description
	- Invoice - Certificate of completion of HV Test at BHEL site certified by BHEL site. Note: Certificate of completion of HV test should mention nos of bays against total nos of bays and invoice shall be processed for completed nos of bays on prorata basis without any reference to BOQ for service portion as per contract. b. 10% of payment of total invoice value (Service Charge +Taxes) after completion of supervision activity in all aspects after completion of HV tests on all bays within 60 days from the date of receipt of invoice. Documents (original + 2 copies) will be required for payment. - Invoice - Certificate for completion of supervision activity certified by BHEL site In Charge in all aspects including settlement of punch points (if any).
5.	Guarantee: Following clause shall be applicable in place of existing clause no 5 of GTC:- The equipment / material supplied and services rendered (if applicable) shall be guaranteed to be free from all defects and faults in design & engineering, material, workmanship & manufacture and in full conformity with the Purchase Order / Contract, Technical Specifications & approved drawings / data sheets, if any. Guarantee period shall be upto 72 Months from the date of delivery or upto 03.07.2025 whichever is later. The defective equipment / material / component shall be replaced free of cost at site. Freight & Insurance during transit shall also be in the scope of the supplier / contractor. Any expenditure for dismantling and re-erection of the replaced equipment / material / component shall be to supplier's / contractor's account. All replacements during the guarantee period shall be delivered at site promptly and satisfactorily within a period not more than 45 days from the date of reporting the defect / rejection etc. In the event of the supplier / contractor failing to replace the defective equipment / material / component within the time period mentioned above, BHEL may proceed to undertake the replacement of such defective equipment / material / component at the risk and cost of the supplier / contractor without prejudice to any other rights under the contract and recover the same from PBG / other dues of this Purchase Order / Contract or any other Purchase Order / Contract executed by the supplier / contractor. Note : i) In addition to the above guarantee period, Extended Guarantee / Warranty, if any, shall be as per NIT / Technical Specifications. If it becomes necessary for the supplier to replace or renew/rectify any defective portion of the plant/defective work executed under this clause, the provision of these clause shall be apply to the portions of the plant so replaced or renewed/rectified. Guarantee period of such items shall be 24 months from the replaced or renewed/rectified date or guarantee period as mentioned above whichever is later.
7	PERFORMANCE BANK GUARANTEE : Following clause shall be applicable in place of existing clause no 7 of GTC:- Supplier shall arrange to submit Performance BG / Deposit on a non-judicial stamp paper of appropriate value along with first invoice or within 60 days from placement of Purchase Order (PO) whichever is earlier, in line with follows :-

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(BALIA) PROJECT**

Clauses of GTC	Enquiry No.:279G002; date:08/05/2019 Description
	PBG for 10% of the total Ex-works PO value/ CIF value (For foreign supplies), valid upto complete guarantee period with claim period of 3 months extra over and above the validity date. Exworks PO value at the time of placement of PO shall be considered for calculation of the PBG amount. In case of extension of BG Period is required, bidder to ensure extension of PBG accordingly to cover Guarantee period. Note : i) The Bank Guarantee shall be from any bank as per Annexure - B for List of Banks (32 Nos.). ii) Extension of validity of the PBG in original, as per above clause, should be sent by issuing Bank directly to AGM (Finance), TBG, BHEL, Noida at least 45 days before expiry of validity of the PBG. iii) Unless otherwise specified in the NIT, deviation taken for non-submission of PBG / Deposit, as applicable, shall not be accepted. iv) Supplier has to confirm one of the applicable options for submission of PBG / Deposit before placement of PO. v) In case of non-submission PBG / Deposit, as applicable, BHEL reserve the right for Risk Purchase as per terms of the NIT and impose Suspension of Business Dealings with the Supplier / Contractor. vi) BHEL reserve the right to encash the Bank Guarantee and forfeit the amount in the event of any default, failure or neglect on part of the Supplier in fulfilment of performance of the Purchase Order. vii) Value of the Bank Guarantee (at the time of submission) shall remain unchanged for any subsequent variations in Purchase Order value up to $\pm 20\%$. Beyond this variation of $\pm 20\%$, the Supplier shall arrange to enhance or may reduce the value of the Bank Guarantee accordingly for the total variation promptly. viii) Vendor to ensure submission of Certificate of Final Documentation /Confirmation regarding Non applicability of Final Documentation, as the case may be, as referred in clause No 9 regarding Final Documentation. BG shall be released only after submission of the same to BHEL TBMM.
12	Clause-12 (Delivery Period) : Following clause shall be applicable in place of existing clause no 12 of GTC:- Vendor to ensure Supply of complete material as per BoQ of Un-priced bid and Technical Specification within <u>32 Weeks (Thirty Two Weeks)*</u> from the date of manufacturing clearance from BHEL. However, Drawings/documents/Type test reports/MQP etc shall be submitted within 15 days from the date of PO/input provided by BHEL for submission of drgs and every revised submission incorporating comments within 7 days from the date of comments. In case there are delays in submission /resubmission of drawing /documents as per above schedule, that much days would be reduced from deliver period. Time required for type test, if applicable, is to be separately indicated. * BHEL has considered 15 days' time (in delivery period) for arranging inspection and issue of dispatch clearance (MDCC/MICC) from BHEL end. Vendor to ensure supervision of ETC complete within 15 Weeks from the date of intimation of start of ETC given from BHEL. Note: 1. LR / GR date or invoice date (whichever is later) for indigenous supplies and BL / AWB date for FOB / CIF (if applicable) contracts shall be considered as delivery date.

**SPECIAL TERMS & CONDITIONS FOR 400KV/220KV/132KV GIS FOR UPPTCL RASARA
(BALIA) PROJECT**

Clauses of GTC	Enquiry No.:279G002; date:08/05/2019 Description
17	Clause no 17 (Tender Evaluation) : Following clause shall be applicable in place of existing clause no 17 of GTC:- Evaluation of tender shall be done on the separately for each of three rating of GIS on Total Cost to BHEL ie Separate Total Cost to BHEL for GIS shall be arrived at considering the overall quantity of GIS as mentioned in tender Enquiry/NIT. Total cost for this purpose shall include cost of scope of work as mentioned in NIT along with applicable taxes & duties, and other services etc. (if applicable). GST input credit available to BHEL shall be reduced from respective Total Cost to BHEL while determining L-1 status for each GIS rating. In case all bidders are foreign & Port of Import (destination port) is same for all the bidders, evaluation of offers shall be done on CIF (Port of Import) basis. Otherwise, evaluation of offers shall be done on the basis of delivered cost at site / destination to BHEL. Further, in case of foreign bidders, marine freight & insurance are to be quoted separately & the purchase order may be placed on FOB basis with an option for delivery on CIF / CFR basis, if required, later. In case of foreign bidders, Exchange Rate (TT selling rate of State Bank of India) as on date of tender opening (Part-I Bid in case of two part bid) shall be considered. If the relevant day happens to be a bank holiday, then the forex rate as on the previous bank (SBI) working day shall be taken for tender evaluation.
34	Clause-34 of GTC : INTEGRITY PACT : Following clause shall be applicable in place of existing clause no 34 of GTC:- Bidders shall have to enter into Integrity Pact with BHEL, duly signed with seal in original, failing which bidder's offer shall be liable for rejection.
35	Clause-14 of GTC : VALIDITY OF OFFERS : Following clause shall be applicable in place of existing clause no 14 of GTC:- The offer shall be valid for 180 days from the date of opening of tender (i.e. techno-commercial bid unless otherwise specified in the NIT).
41.	Clause no-41 Mode of Payment (General Terms and conditions, ref BHEL/TBG/GTC/2016 Rev 01): -following clause shall be applicable in place of clause no 41 of general terms and conditions (i) Payment shall be made directly to the supplier/contractor by BHEL through NEFT/RTGS. (ii) Foreign bidders can opt for payment(less agency commission, if applicable) through irrevocable and unconfirmed letter of credit, payable within 120 days (usance period) from the date of submission of documents as per terms of payments mentioned in STC for foreign bidders. All bank charges/LC opening charges are in beneficiary's account. Period of presentation of documents in BHEL bank is 7 to 10 working days from the date of shipment in case shipment by Sea and 4 Working days in case shipment through by Air.

**SPECIAL TERMS & CONDITIONS FOR 400KV/220KV/132KV GIS FOR UPPTCL RASARA
(BALIA) PROJECT**

Clauses of GTC	Enquiry No.:279G002; date:08/05/2019 Description
	Foreign supplier will be required to submit following Non-negotiable set of documents for clearance of goods at port by BHEL within 7 working days from the date of shipment in case shipment by Sea and within 4 working days in case shipment by Air. (1) Non-negotiable copy of Bill of lading/Airway bill (2) invoice (3) Certificate of origin (4) Packing list (5) Copy of transit insurance certificate from underwriters (6) Copy of Guarantee certificate Supplier should send above documents on following address GM/ TBMM, Bharat Heavy Electricals Limited. 5th Floor, Plot No 7 , Tower A , Advant Navis IT Business Building , Sector 142 ,Noida-Greater Noida Expressway, Noida-201305
-	Public procurement (Preference to make in India) For this procurement, Public Procurement (Preference to Make in India), Order 2017 dated 15.06.2017 & 28.05.2018 and subsequent orders issued by the respective nodal ministry shall be applicable even if issued after issue of this NIT but before finalization of contract/PO/WO against this NIT. In the event of any Nodal Ministry prescribing higher or lower percentage of purchase preference and/ or local content in respect of this procurement, same shall be applicable. Preference to Make in India will be as per the Public Procurement (Preference to Make in India), Order 2017 available in the following link: http://dipp.nic.in/sites/default/files/publicProcurement_MakeinIndia_15June2017.pdf http://dipp.nic.in/sites/default/files/Revised-PPP-MII-Order-2017_28052018.pdf

**SPECIAL TERMS & CONDITIONS FOR 400KV/220KV/132KV GIS FOR UPPTCL RASARA
(BALIA) PROJECT**

	Enquiry No.:279G002 date:08/05/2019
Clauses of GTC	Description
	TERMS & CONDITIONS IN ADDITION TO GENERAL TERMS AND CONDITIONS (<u>CLAUSE NO 48 TO CLAUSE NO 56</u>)
48.	DEMURRAGE/WHARFAGE:
	For the reasons of delay in receipt of dispatch documents from vendors or due to the same being found to be incomplete, and/or faulty, the vendors shall be responsible to reimburse all demurrages / wharfage, if any, paid by BHEL (for stated reasons).
49.	Indemnity (Against Patents / Trademarks etc) :
	The vendor shall at all times indemnify the purchaser against all claims which may be made in respect of supply from any "rights protected" source protected by way of patent registration of design or trade mark. In the event of any claim in respect of an alleged breach of patents registered design or trademark being made against the purchaser, purchaser shall notify the seller of the same and the seller shall be at liberty, but entirely at their own expenses, to conduct negotiation for settlement or deal with any litigation that may arise there from.
50.	Involvement of representative:
	- <i>Bidder must be GIS manufacturer.</i> Purchase Orders will be placed on successful bidder directly for total supplies and services subject to prior approval by BHEL/end Customer. However in case of foreign bidders, engagement of their foreign counterpart/ Indian representative may be permitted for execution of Services Portion (for services in INDIA only) subject to prior approval by BHEL/end Customer. - In a tender, either the Indian agent on behalf of the Principal/OEM or Principal/OEM itself can submit bid but both cannot submit bid simultaneously for the same item/product in the same tender. -If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product. Note: Bidder to refer <i>Annexure-3</i> for Indian agent for services in INDIA on behalf of Principal/OEM.
51.	Additional /Extra item required at site due to damage reported at site/ theft for completion of project:
	In case of additional requirement of any item specified in BOQ, whether due to damages / theft or any other reason, during contract (i.e. till expiry of contract i.e end of guarantee period), contractor shall ensure supply of same at unit Price mentioned in purchase order main BOQ (supply and service portion) or BOQ for addition /deletion.
52.	Tender evaluation and Placement of purchase orders:
	Evaluation of tender shall be done on the basis of rating of GIS ie 400KV GIS, 220KV GIS and 132KV GIS on total cost to BHEL basis for each rating of GIS. Vendor may quote all GIS or any of the 400KV GIS, 220KV GIS and 132KV GIS . Separate purchase order shall be placed for mandatory spare and items other than mandatory spares for each rating of GIS. Vendor to submit Performance Bank Guarantee to BHEL accordingly.

**SPECIAL TERMS & CONDITIONS FOR 400KV/220KV/132KV GIS FOR UPPTCL RASARA
(BALIA) PROJECT**

Clauses of GTC	Enquiry No.:279G002 date:08/05/2019 Description
53.	Clause no-53 (Additional Performance Bank Guarantee to UPPTCL): -following clause shall be applicable for terms & conditions in addition to general terms and conditions Additionally manufacturer of GIS (OEM) shall submit additional Bank Guarantee to UPPTCL for Performance of the offered GIS module for period of 02 (two) years after the date of commissioning. Format for BG is enclosed. Value of BG shall be for GIS rating wise:- (1) For 400 kV GIS- Rs 21,94,892/- (2) For 245 kV GIS -Rs. 16,10,234/- (3) For 132 kV GIS-Rs.7,88,940/-
54.	Guarantee for supply of spare: The bidder shall guarantee supply of spare upto a minimum of 10(ten) year from the date commissioning.
55.	Extra /Additional items of work: Rate of any extra or additional items, which are not incorporated in the BOQ schedule, shall be decided as per the following: 1. The contractor, on receipt of drawing from BHEL, shall inform BHEL (within 15 days) the rate of items / works for carrying out the extra/ additional work. This shall be supported with analysis of rates including prevailing market rates. 2. If the items are not covered under purchase order, the rates have to be agreed upon mainly on the basis of: A. Rate of similar items available in purchase order. B. Prevailing market rates. Supplier shall furnish all supporting documents as required by BHEL. Decision of BHEL in such cases shall be final and binding on the contractor. 3. Under no circumstances the contractor shall suspend the work on the plea of non-settlement of rates for any item/ work & claim for any compensation on that account will not be entertained. 4. BHEL reserves the right to carry out such extra/additional work through any other contractor or in any manner as deemed fit. However the guarantee of equipment/ contract will not effect for this activity.
56.	Health, Safety and Environment(HSE) of BHEL: BHEL has their own Health, safety and environment. HSE policy is enclosed for bidder's reference. Note: BHEL reserves the right to cancel this enquiry at any point of time. Bids of only customer approved vendors will be processed.

Enclosed the following format:

- Special terms and conditions
- General terms and conditions
- Annexure-1 for RA (Reverse Auction).
- Annexure-2 for PQR (Pre-qualification criteria).
- Annexure-A&B for Indian agent.
- Format: Tentative package details.

**SPECIAL TERMS & CONDITIONS FOR 400KV/220KV/132KV GIS FOR UPPTCL RASARA
(BALIA) PROJECT**

- *Format: Tentative package details.*
- *Format: Performance BG format of BHEL and list of bank.*
- *Format: for Bank Guarantee to be submitted to customer*
- *Format: Deviation sheets for commercial and technical.*
- *Format: MRC (Material receipt Certificate) and BHEL's inspection call.*
- *Check List*
- *Integrity pact of BHEL.*
- *Un-priced bid format of BHEL.*
- *Site safety policy of BHEL.*
- *Format for Contract Performance BG*

ALL OTHER TERMS AND CONDITIONS SHALL BE AS PER GTC ATTACHED

(Sign and seal of Bidder)

400/220/132 KV GIS S/S AT RASRA , BALLIA

TECHNICAL QUALIFYING REQUIREMENT FOR 400, 220 & 132 KV GIS

Rev-03

Sr. No	Description	Supporting Document to be attached
1.1	The Bidder must have manufactured , supplied, supervised erection and tested and commissioned atleast 01(one) no. 400 KV or above rating GIS substation / switchyard anywhere in last seven years , having at least 05(five) nos. circuit breaker bays@ of 400 KV or above voltage rating or 05 nos. circuit breaker bays@ cumulatively in more than one substation/switchyard and 40KA short circuit level or higher and the same should have been in successful operation for at least 02(two) years as on 17.04.18.	1. Records as proof of supply & supervision of ETC of 400KV or above GIS substation (01 no.) from the manufacturer. (Purchase order, commissioning certificate, completion report etc.) 2. Performance certificate/ MOM / Letter issued by customer without any adverse remark, clearly showing the date of commissioning, date of performance certificate, no of bays ETC. 3. List of past supplies of 400KV or above GIS in last seven years and documents for proof of supply, supervision of erection & testing & commissioning.
i)	For 220kV and 132kV GIS also , the bidder should have the qualification of 400KV or above level GIS.	
1.2	The GIS modules should have been type tested earlier in any internationally recognized Test House (accredited laboratories) duly furnishing Credentials of the Test House. The type tests should have been conducted after 17.04.08.	Valid type test reports and also a list giving : 1. Name of test 2. Lab where test is conducted 3. Date of test
1.3	The GIS modules should be offered from manufacturer/its Indian subsidiary/ Indian arm, who have designed and supplied minimum 06 (six) nos. 400KV GIS circuit breaker bays@ anywhere The Manufacturer or its Indian subsidiary company should have a well-equipped repair and maintenance & testing (routine & acceptance tests) facility for GIS in India. For 220kV and 132kV GIS also , the bidder should have the qualification of 400KV or above level GIS.	1. Supply records for supply (PO/ dispatch clearance) of 400KV or above GIS (06 nos. bays) from the manufacturer 2. Documents for repair , maintenance and testing (routine & acceptance tests for 400KV GIS) facility in India 3. Confirmation/ undertaking from GIS Bidder / OEM for well equipped repair and maintenance & testing facility in India
1.4	The Indian bidders, who are not meeting prequalifying conditions as mentioned in 1.1 & 1.2 above, but have established Manufacturing and testing facilities in India for 400KV or above voltage level GIS , can bid on the basis of the qualification of their parent company , can also be considered provided: (i) The parent company* meets the qualifying requirements stipulated under clause 1.1 & 1.2 above. (ii) Bidder meets the qualifying requirement as per clause 1.3 above (iii) The bidder furnishes a legally enforceable undertaking (Jointly with the Parent company) to guarantee quality, timely supply, performance and Warranty obligations as specified for the equipment(s)	1. Documents as per clause 1.3 above 2. Documents for parent company as per clause 1.1 & clause 1.2 above. 3. A legally enforceable undertaking (Jointly with the Parent company) to guarantee quality, timely supply, performance and Warranty obligations as specified for the equipment(s) as per IDU Format enclosed.
Notes:		
1	Bidder shall be a GIS Manufacturer.	
2	@ for the purpose of qualifying requirement, one no. Circuit breaker bay shall be considered as a bay used for controlling a line or a transformer or bus reactor or a bus section or a bus coupler comprising of atleast one circuit breaker, one disconnector and three nos. of single phase CTs/ Bushing CTs .	
3	* Parent Company refers to a GIS OEM established outside India and who is doing business through its Indian Arm (facility) / subsidiary in India.	

B.	FINANCIAL PRE QUALIFICATION REQUIREMENTS
	Bidders shall meet the following minimum criteria:
	Bidder should have a minimum average audited annual turnover / Sales Value of INR 30 Cr for 400kV, 20 Cr for 220kV and 10 Cr for 66kV for last three financial years (2014-15, 2015-16 & 2016-17 OR 2015-16, 2016-17 & 2017-18) and should submit audited balance sheet and Profit & Loss Account Sheet of these years and should declare with supporting documents including audited balance sheet and P & L account. In case bidder is technically qualified in more than one rating of GIS, cumulative turnover/sales value as mentioned above for respective GIS shall be considered for financial qualification requirement. In case of foreign bidder: In case audited balance sheets and Profit and loss Accounts for above referred three financial years is not available, Balance Sheets and Profit and Loss Account Accounts for three years ending in Calendar years 2014, 2015, 2016 or Calendar Years 2015, 2016, 2017 may be considered acceptable. In case audited Balance Sheets, & Profit & Loss Accounts, are in language other than English, Certified translated copy in English Language should also be furnished Further in case certified copies of audited Balance sheets and Profit and loss Accounts are not available, Figures of Turnover/Sales value as mentioned in reports from D & B (Dun and Brad Street) or Credit reform may also be considered acceptable by BHEL. In such a case, bidder to furnish copy of Report from (Dun and Brad Street) or Credit reform, as the case may be
	Note : (1). Bidder must submit all supporting documents along with their offer. (2). All documents (including third party documents/supporting documents) in language other than English, certified translated copy in English language should also be furnished. (3) Offers will be scrutinised based on the qualifying requirements and only those who are technically and financially capable to execute the job and who fulfil the prequalifying requirements (PQR) are eligible to quote against above NIT. However, final acceptance of the bidder/offer shall be subject to acceptance of our customer.

Reverse Auction of NIT shall be as follows:

"BHEL reserves the right to go for Reverse Auction (RA) (Guidelines as available on www.bhel.com) instead of opening the sealed envelope price bid, submitted by the bidder. This will be decided after techno-commercial evaluation. Bidders to give their acceptance with the offer for participation in RA. Non-acceptance to participate in RA may result in non-consideration of their bids, in case BHEL decides to go for RA.

Those bidders who have given their acceptance to participate in Reverse Auction will have to necessarily submit 'Process compliance form' (to the designated service provider) as well as 'Online sealed bid' in the Reverse Auction. Non-submission of 'Process compliance form' or 'Online sealed bid' by the agreed bidder(s) will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines for suspension of business dealings with suppliers/ contractors (as available on www.bhel.com).

The bidders have to necessarily submit online sealed bid less than or equal to their envelope sealed price bid already submitted to BHEL along with the offer.

The envelope sealed price bid of successful L1 bidder in RA, if conducted, shall also be opened after RA and the order will be placed on lower of the two bids (RA closing price & envelope sealed price) thus obtained. The bidder having submitted this offer specifically agrees to this condition and undertakes to execute the contract on thus awarded rates.

If it is found that L1 bidder has quoted higher in online sealed bid in comparison to envelope sealed bid for any item(s), the bidder will be issued a warning letter to this effect. However, if the same bidder again defaults on this count in any subsequent tender in the unit, it will be considered as fraud and will invite action by BHEL as per extant guidelines for suspension of business dealings with suppliers/ contractors (as available on www.bhel.com)."

As a reminder to the bidders, system will flash following message (in RED Color) during the course of 'online sealed bid':

"Bidders to submit online sealed bid less than or equal to their envelope sealed bid already submitted to BHEL"

SCHEDULE OF TECHNICAL DEVIATION

TENDER Enquiry No 279G002, dtd. 08/05/2019

The following are the deviations/ variations exception from the Technical Specifications:

SL.NO.	CLAUSE NO. OF GENERAL TERMS AND CONDITIONS	STATEMENT OF DEVIATION

In case, this schedule is not submitted, it will be presumed that the equipment /material to be supplied under this contract is deemed to be in compliance with the Technical Specifications,

If there is NIL deviation,even then the format to be filled as NIL DEVIATION.

Note : Continuation Sheets of like size and format may be used as per the Bidder's Requirement and shall be annexed to this schedule.

All deviations must be mentioned in this format only. Deviation(s) to spec/std. mentioned elsewhere will not be considered.

**This Format is to be submitted in original duly signed by bidder.
Reproduction of the same in any sort is not acceptable.**

Signature of the authorised representative of

Place:
Date :

Bidder's name :.....
Designation:.....
Company Seal:.....

SCHEDULE OF COMMERCIAL DEVIATION

TENDER Enquiry No 279G002, dtd. 08/05/2019

The following are the deviations/ variations exception from the General Terms and Conditions:

SL.NO.	CLAUSE NO. OF GENERAL TERMS AND CONDITIONS	STATEMENT OF DEVIATION

In case, this schedule is not submitted, it will be presumed that the equipment /material to be supplied under this contract is deemed to be in compliance with the General Terms and Conditions.

If there is NIL deviation, even then the format to be filled as NIL DEVIATION.

Note : Continuation Sheets of like size and format may be used as per the Bidder's Requirement and shall be annexed to this schedule.

All deviations must be mentioned in this format only. Deviation(s) to terms mentioned elsewhere will not be considered.

**This Format is to be submitted in original duly signed by bidder.
Reproduction of the same in any sort is not acceptable.**

Place:
Date :

Signature of the authorised representative of

Bidder's name :
Designation:
Company Seal:

TENDER Enquiry No 279G002, dtd. 08/05/2019

ANNEXURE-A

Project :

Equipment / Item :

DETAILS OF PACKAGES

Sr. No.	Discriptions	
<u>1</u>	NO OF PACKAGES/CASES	
<u>2</u>	SIZE	
<u>3</u>	WEIGHT	

Note:

1. Bidder to submit standard storage instrcution along with offer.

UN-PRICED BID SCHEDULE (for Foreign vendors only)
(BIDDER TO STRICTLY ENSURE SUBMITTING THE PRICE BIDS IN THIS FORMAT)

TENDER Enquiry No_279G002, dtd. 08.05.2019

**132 kV GAS INSULATED SWITCHGEAR (GIS) for UPPTCL
Basara (Balila) Project**

A	B	C	D	E	F	G	H
	Name of Item	HSN / SAC code	Unit	Qty	Currency	Unit-CIF (Indian Sea port)	Total -CIF (Indian Sea port)
1	1A1 - Transformer (LV side of 160MVA, 220/132kV) Bay Module:	85359030	Set	2			
2	1A2 - 132kV Line Feeder Bay Module:	85359030	Set	9			
3	1A3 - 132kV Bus Bars:	85359030	Set	2			
4	1A4 - 132kV Voltage Transformer module (for Busbars)	85359030	Set	2			
5	1A5 - 132kV Bus Coupler Bay Module:	85359030	Set	1			
6	1A6 - 132kV Cable termination module for line bay with isolating link for testing	85359030	set	9			
7	1A7 - 132kV Cable termination module for line bay with isolating link for testing	85359030	set	2			
8	1A8 - LCC for 132kV GIS	85359030	nos.	12			
9	1A9 - First filling of SF6 gas for the equipment supplied plus an additional quantity sufficient for conducting all tests on equipment at site before placing it into successful operation	85359030	Lot	1			
10	1A10 - First filling of hydraulic fluid, if applicable	85359030	Lot	1			
11	1A11 - Supply of structure material, required for complete installation of 132kV GIS including support structure (foundation bolts/ embedded parts) in floor, walkway platform, structure for bus duct & railing etc. (The civil works will be done based on supplier design & drawings).	85359030	Lot	1			
12	1A12 - Supply of structure materials, required for complete installation of 132kV GIS including support structure (foundation bolts/ embedded parts) in floor, walkway platform, structure & bus duct & railing etc including wall sealing & frame for duct crossing in wall. (The civil works will be done based on supplier design & drawings).	85359030	Lot	1			
13	1A13 - Supply of Earthing material for 132kV GIS including High frequency earthing material. The quantity shall be estimated provided by bidder for above floor earthing connection.	85359030	Lot	1			
14	1A14 - Consumables required for 132kV GIS	85359030	Lot	1			
15	1A15 - Portable ladder & catwalk arrangement for maintenance	85359030	Set	1			
16	1A16 - Coupling devices / adapters for testing and maintenance equipment	85359030	Lot	1			
17	1B1 - Portable type PDM kit alongwith sensors and accessories (UHF Type) (Dobel make or equivalent) FOR 132KV GIS	85359030	Set	1			
18	1C1.1 - 132KV GIS spares general - SF6 Gas Pressure Relief Devices, 3 Nos. of each type	85359030	Set	2			
19	1C1.2 - 132KV GIS spares general - SF6 Pressure gauge with coupling device cum switch or density monitors and pressure switch as applicable (1 no. of each type)	85359030	Set	1			
20	1C1.3 - 132KV GIS spares general - Coupling device for pressure gauge cum switch for connecting Gas handling plant	85359030	Set	2			
21	1C1.4 - 132KV GIS spares general - Rubber Gaskets, "O" Rings and Seals for SF6 gas of each type	85359030	Set	1			
22	1C1.5 - 132KV GIS spares general - Molecular filter for SF6 gas with filter bags (20% of total weight)	85359030	Set	1			
23	1C1.6 - 132KV GIS spares general - All types of Control Valves for SF6	85359030	Set	2			
24	1C1.7 - 132KV GIS spares general - SF6 gas (20 % of total gas)	85359030	Lot	1			
25	1C1.8 - 132KV GIS spares general - All types of coupling for SF6 gas (1 no. of each type)	85359030	Set	1			
26	1C1.9 - 132KV GIS spares general - Pipe length (Copper or Steel as applicable) for SF6 Circuit of each type	85359030	Set	1			
27	1C1.10 - 132KV GIS spares general - Density Monitors for SF6 gas	85359030	No.	1			
28	1C1.11 - 132KV GIS spares general - Enclosures, Insulators & main circuit to replace on each phase, any compartment of Busbar or bay (1 set for bay)	85359030	Set	1			
29	1C1.12 - 132KV GIS spares general - Covers with all accessories necessary to close a compartment in case of dismantling of any part of the Enclosure to ensure the sealing of this compartment For 3 phase enclosure if applicable (1 set for bay)	85359030	Nos.	2			
30	1C1.13 - 132KV GIS spares general - Covers with all accessories necessary to close a compartment in case of dismantling of any part of the Enclosure to ensure the sealing of this compartment For 1 phase enclosure if applicable (1 set for bay)	85359030	Nos.	3			
31	1C1.14 - 132KV GIS spares general - Locking device to keep the Dis-connectors (Isolators) and Earthing switches in close or open position in case of removal of the driving Mechanism	85359030	Set	1			
32	1C1.15 - 132KV GIS spares general - Bus support Insulator of each type for single phase/ 3 phase enclosure (5% of population)	85359030	No.	1			
33	1C1.16 - 132KV GIS spares general - Spares for Local control cabinet including MCB, fuses, timers, Aux Relay of each type & rating terminal of each type	85359030	Set	1			
34	1C1.17 - 132KV GIS spares general - Bushing for Dielectric test on Cable	85359030	No.	1			
35	1C1.19 - 132KV GIS spares general - Cable Termination Enclosure	85359030	Set	1			

UN-PRICED BID SCHEDULE (for Foreign vendors only)
(BIDDER TO STRICTLY ENSURE SUBMITTING THE PRICE BIDS IN THIS FORMAT)

TENDER Enquiry No_279G002, dtd: 08.05.2019

**132 kV GAS INSULATED SWITCHGEAR (GIS) for UPPTCL
Basara (Balila) Project**

A	B	C	D	E	F	G	H
	Name of item	HSN / SAC code	Unit	Qty	Currency	Unit-CIF (Indian Sea port))	Total -CIF (Indian Sea port))
36	1C2.1 - 132 kV Circuit Breaker-Complete Circuit Breaker pole of each type & rating complete with interrupter, main circuit, enclosure and Marshalling Box with operating mechanism	85359030	Set	3			
37	1C2.2 - 132 kV Circuit Breaker-Fixed, moving and arcing contacts including insulating nozzles 3 nos. of each type	85359030	Set	1			
38	1C2.3 - 132 kV Circuit Breaker-Rubber gaskets, 'O' rings and seals for SF6 gas of each type	85359030	Set	1			
39	1C2.4 - 132 kV Circuit Breaker-Trip coil assembly with resistor as applicable, 3 nos. of each type	85359030	Set	2			
40	1C2.5 - 132 kV Circuit Breaker-Closing coil assembly with resistor as applicable, 3 nos. of each type	85359030	Set	2			
41	1C2.6 - 132 kV Circuit Breaker-Molecular filter for SF6 gas with filter bags (10% of total quantity used)	85359030	LS	1			
42	1C2.7 - 132 kV Circuit Breaker-SF6 Pressure gauge cum switch or Density monitors and pressure switch as applicable, 3 nos each type	85359030	Set	1			
43	1C2.8 - 132 kV Circuit Breaker-Coupling device for pressure gauge cum switch for connecting Gas handling plant, 3 nos. of each type	85359030	Set	1			
44	1C2.9 - 132 kV Circuit Breaker-Relays, Power contactors, push buttons, timers & MCBs etc of each type & rating	85359030	Set	1			
45	1C2.10 - 132 kV Circuit Breaker-Closing assembly/ valve, 3 nos. of each type	85359030	Set	2			
46	1C2.11 - 132 kV Circuit Breaker-Trip assembly/ valve, 3 nos. of each type	85359030	Set	2			
47	1C2.12 - 132 kV Circuit Breaker-Aux. switch assembly, 3 nos. of each type	85359030	Set	1			
48	1C2.13 - 132 kV Circuit Breaker-Operation Counter, 3 nos. of each type	85359030	Set	1			
49	1C2.14 - 132 kV Circuit Breaker-Rupture disc, 3 nos. of each type	85359030	Set	1			
50	1C2.15 - 132 kV Circuit Breaker-Windoscope / Observing window, 3 nos. of each type	85359030	Set	1			
51	1C2.16 - 132 kV Circuit Breaker-Spring operating closing mechanism one no of each type, if applicable	85359030	Set	1			
52	1C2.17.1- 132 kV Circuit Breaker-Hydraulic operating mechanism with drive motor, 3 nos of each type if applicable	85359030	Set	1			
53	1C2.17.2- 132 kV Circuit Breaker-Ferrules, joints and couplings, 3 nos. of each type	85359030	Set	1			
54	1C2.17.3- 132 kV Circuit Breaker-Hydraulic filter, 3 nos. of each type	85359030	Set	1			
55	1C2.17.4- 132 kV Circuit Breaker-Hose pipe, 3 nos. of each type	85359030	Set	1			
56	1C2.17.5- 132 kV Circuit Breaker-N2 Accumulator, 3 nos. of each type	85359030	Set	1			
57	1C2.17.6- 132 kV Circuit Breaker-Pressure transducer, 3 nos. of each type	85359030	Set	1			
58	1C2.17.7- 132 kV Circuit Breaker-Valves 3 nos. of each type	85359030	Set	1			
59	1C2.17.8- 132 kV Circuit Breaker-Pipe length (copper & steel) 3 nos. of each size & type	85359030	Set	1			
60	1C2.17.9- 132 kV Circuit Breaker-Pressure switches 3 nos. of each type	85359030	Set	1			
61	1C2.17.10- 132 kV Circuit Breaker-Pressure gauge with coupling device, 3 nos. of each type	85359030	Set	1			
62	1C2.17.11- 132 kV Circuit Breaker-Hydraulic oil (20% of total qty. used)	85359030	Set	1			
63	1C2.17.12- 132 kV Circuit Breaker-Pressure Relief Device, 3 nos. of each type	85359030	Set	2			
64	1C3.1 - 132 kV Isolators-Complete set of 3 nos. of single phase / one no. of 3-phase dis-connector including main circuit, enclosure, driving	85359030	Set	1			
65	1C3.2 - 132 kV Isolators-Single Phase/Three Phase High speed fault making grounding switch operating mechanism complete with all necessary gaskets mounting hardware/operating mechanism complete with all necessary gaskets connecting apparatus.	85359030	Set	1			
66	1C3.3 - 132 kV Isolators-3 no. of single phase / one no of 3-phase Earthing switch including main circuit, enclosure, driving mechanism	85359030	Set	1			
67	1C3.4 - 132 kV Isolators-Copper contact fingers for dis-connector male & female contact -for one complete (3 phase) dis-connector of each type and rating	85359030	Set	1			
68	1C3.5 - 132 kV Isolators-Copper contact fingers for earthing switch male & female contacts- for one complete (3 phase) earthing switch of each type and rating	85359030	Set	1			
69	1C3.6 - 132 kV Isolators-Open / Close contactor assembly, timers, key interlock for one complete (3 phase) dis-connector and (3 phase) earthing switch of each type and rating	85359030	Set	1			
70	1C3.7 - 132 kV Isolators-Push button switch, each type, as applicable	85359030	Set	1			
71	1C3.8 - 132 kV Isolators-Limit switches and Aux. Switches for complete 3 phase equipment For isolator	85359030	Set	1			
72	1C3.9 - 132 kV Isolators-Limit switches and Aux. Switches for complete 3 phase equipment For earth switch	85359030	Set	1			

UN-PRICED BID SCHEDULE (for Foreign vendors only)
(BIDDER TO STRICTLY ENSURE SUBMITTING THE PRICE BIDS IN THIS FORMAT)

TENDER Enquiry No_279G002, dtd. 08.05.2019

**132 kV GAS INSULATED SWITCHGEAR (GIS) for UPPTCL
Basara (Balija) Project**

A	B	C	D	E	F	G	H
	Name of Item	HSN / SAC code	Unit	Qty	Currency	Unit-CIF (Indian Sea port)	Total -CIF (Indian Sea port)
73	1C3.10 - 132 kV Isolators-Rotor housing bearing assembly for complete 3 phase equipment For isolator	85359030	Set	1			
74	1C3.11 - 132 kV Isolators-Rotor housing bearing assembly for complete 3 phase equipment For earth switch	85359030	Set	1			
75	1C3.12 - 132 kV Isolators-Motor with gear assembly for complete 3 phase equipment For isolator	85359030	Set	1			
76	1C3.13 - 132 kV Isolators-Motor with gear assembly for complete 3 phase equipment For earth switch	85359030	Set	1			
77	1C3.14 - 132 kV Isolators-Corona shield rings as applicable	85359030	Set	1			
78	1C3.15 - 132 kV Isolators-Hinge pins for complete 3 phase equipment For isolator	85359030	Set	1			
79	1C3.16 - 132 kV Isolators-Hinge pins for complete 3 phase equipment For earth switch	85359030	Set	1			
80	1C3.17 - 132 kV Isolators-Bearings for complete 3 phase equipment For isolator	85359030	Set	1			
81	1C3.18 - 132 kV Isolators-Bearings for complete 3 phase equipment For earth switch	85359030	Set	1			
82	1C3.19 - 132 kV Isolators-Interlocking coil with resistors, timers, key interlock for complete 3 phase equipment (each type and rating)	85359030	Set	1			
83	1C3.20 - 132 kV Isolators-Relays, Power contactors, resistors, fuses, push buttons, timers & MCBs (complete for one 3 phase equipment) For isolator	85359030	Set	3			
84	1C3.21 - 132 kV Isolators-Relays, Power contactors, resistors, fuses, push buttons, timers & MCBs (complete for one 3 phase equipment) For earth switch	85359030	Set	1			
85	1C3.22 - 132 kV Isolators-Aux. switch assembly (complete) with 10 NO & 10 NC or more contacts for both isolator & earth switch	85359030	Set	1			
86	1C4.1 - 132 KV Current Transformer-Gas Insulated Complete CT of each type and rating with enclosure	85359030	Nos.	3			
87	1C4.2 - 132 KV Current Transformer-Secondary bushing of each type	85359030	Set	3			
88	1C5.1 - 132KV Voltage Transformer-Gas Insulated Complete PT of each type and rating with enclosure	85359030	Nos.	3			
89	1E - Supply Item - Special tools and tackles for erection, operation and maintenance of GIS.	85359030	LOT	1			
104	1I1 - Supply - Any other item required for completion of project and not covered in A tp E- Complete List to be provided by bidder along with unit prices.	85359030	Lot	1			
106	1J1 - Operating Mechanism box for 132kV, 2000 A Circuit Breaker	85359030	No.	1			
107	1J2 - Operating Mechanism box for 132kV, 2000 A disconnector	85359030	No.	1			
108	1J3 - Operating mechanism for 132kV, Maintenance Earthing Switch	85359030	No.	1			
109	1J4 - Operating Mechanism for 132kV, High Speed Earthing Switch	85359030	No.	1			
110	1J5 - Single Phase Bus bar (Any type)	85359030	m	1			
111	1J6 - Conductor for Single phase Bus bar/ bus duct (any type)	85359030	kg	10			
112	1J8 - Gas barrier insulators	85359030	Set	1			
113	1J9 - Density switch	85359030	Set	1			
114	1J10 - UHF PD sensor along with all accessories	85359030	Set	1			
115	1J11 - Elbow/ Angle /T-bends	85359030	Set	1			
116	1J12 - Expansion bellows/ joints	85359030	Set	1			
	Total cost for Supply portion						

UN-PRICED BID SCHEDULE (for Foreign vendors only)
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TENDER Enquiry No_279G002, dtd. 08.05.2019

**132 kV GAS INSULATED SWITCHGEAR (GIS) for UPPTCL
Basara (Balila) Project**

A	B	C	D	E	F	G	H
	Name of Item	HSN / SAC code	Unit	Qty	Currency	Unit-CIF (Indian Sea port)	Total -CIF (Indian Sea port)
A	B	C	D	E	F	G	H
					Currency	Unit Charges	Total Charges
90	1F1 - Insulation co-ordination studies	85359030	Lot	1			
91	1F2 - Site visit for unloading & verification of material at store	85359030	Lot	1			
92	1F3 - Supervision of Erection of GIS	85359030	Lot	1			
93	1F5 - Supervision of Erection of 132kV Cable termination	85359030	Set	5			
94	1F6 - Testing & Commissioning of GIS	85359030	Set	1			
95	1F7 - Final successful Testing of GIS including HV test kit	85359030	Lot	1			
96	1F8 - Final Documentation	85359030	Lot	1			
97	1F9- Testing & Commissioning of GIS for 132kV cable termination	85359030	Lot	1			
98	1G1 - Training for GIS of 6 no. Engineers (4 no. customer engineers+2 no. BHEL engineers) for a period of at least one week at Manufacturer's works	85359030	Lot	1			
99	1G2 - Lodging and boarding of 4 no. customer engineers for a period of at least one week at Manufacturer's works	85359030	Lot	1			
100	1G3 - To and Fro charges of 4 no. customer engineers for a period of at least one week at Manufacturer's works	85359030	Lot	1			
101	1G4 - Training for GIS of 12 no. Engineers (10 no. customer engineers+2 no. BHEL engineers) for a period of at least one week at site	85359030	Lot	1			
102	1G5 - Lodging and boarding of 10 no. customer engineers for a period of at least one week at site	85359030	Lot	1			
103	1G6 - To and Fro charges of of 10 no. customer engineers for a period of at least one week at site	85359030	Lot	1			
105	1I2 - Services - Any other item required for completion of project and not covered in F&G - Complete List to be provided by bidder along with unit prices.	85359030	Lot	1			
117	1J13 - Services of manpower for erection per day (excluding travel time)	85359030	Day	1			
118	1J14 - Services of manpower for Testing & commissioning per day (excluding travel time)	85359030	Day	1			
119	1J15 - Hiring charges of HV test kit	85359030	Lot	1			
				184			
					Total cost for Service Portion		
Total (supply+ Service)							
Total cost (in words)							

NOTE-

- Discharge Port:-Chennai port or Mumbai Port as opted by Bidder. Port of discharge as per Vendor _____
- TOTAL (supply+ Service) is excluding Custom duty, handling charges at discharge port, inland F&I charges, taxes applicable in India and other loading charges.
- No of package with Dimensions and type of cargo/(Break Bulk/LCL/FCL) and no. of container (with type of container) required-is also to be mentioned by bidder.
- Bidder has to mention "quoted" (in each applicable cell) in unpriced bid. In case that cell is Not Applicable, "NA" must be mentioned in that particular cell. Prices shall be mentioned in Price bid schedule only.
- Bidder strictly to quote as per BHEL format only. Other format of price bid will be liable for rejection.
- Bidder to quote strictly as per BoQ. Rates/prices shall not be combined. In case, the charges/prices are combined, BHEL reserves the right to reject the offer. Decision of BHEL shall be final.
- Taxes outside India shall be in scope of bidder and deemed to be included in their quoted price.
- It is certified that, We (M/s _____) have quoted as per the specified price format of the tender, otherwise our offer shall be liable for rejection.
- Price bids (Part-II): To be submitted in separate envelopes for each of GIS rating ie for 400kV GIS, 220KV GIS and 132KV GIS. Vendor may quote all GISs or any of the 400KV GIS, 220KV GIS and 132KV GIS.

NAME AND SEAL OF TENDERER

UN-PRICED BID SCHEDULE (for Foreign vendors only)
(BIDDER TO STRICTLY ENSURE SUBMITTING THE PRICE BIDS IN THIS FORMAT)

TENDER Enquiry No_279G002, dtd. 08.05.2019

220 kV GAS INSULATED SWITCHGEAR (GIS) for UPPTCL
Basara (Ballia) Project

A	B	C	D	E	F	G	H
	Name of item	HSN / SAC code	Unit	Qty	Currency	Unit-CIF (Indian Sea port))	Total -CIF (Indian Sea port))
1	2A1 - 220kV Transformer (LV side of 500MVA, 400/220kV) Bay Module:	85359030	Set	2			
2	2A2 - 220kV Transformer (HV side of 160MVA, 220/132kV) Bay Module:	85359030	Set	2			
3	2A3 - 220kV Line Feeder Bay Module:	85359030	Set	8			
4	2A4 - 220kV Bus Bars:	85359030	Set	2			
5	2A5 - 220kV Voltage Transformer module (for Busbars)	85359030	Set	2			
6	2A6 - 220kV Bus Coupler Bay Module:	85359030	Set	1			
7	2A7 - 220kV Gas Insulated Bus Duct	85359030	Metre	240			
8	2A8 - 220kV SF6 to Air Bushing	85359030	Nos.	12			
9	2A9 - 220kV Cable termination module for line bay with isolating link	85359030	Set	8			
10	2A10 - LCC for 220kV GIS	85359030	Nos.	13			
11	2A11 - First filling of SF6 gas for the equipment supplied plus an additional quantity sufficient for conducting all tests on equipment at site before placing it into successful operation	85359030	Lot	1			
12	2A12 - First filling of hydraulic fluid, if applicable	85359030	Lot	1			
13	2A13 - Supply of structure materials, required for complete installation of 220kV GIS including support structure (foundation bolts/ embedded parts) in floor, walkway platform, structure & bus duct & railing etc including wall sealing & frame for duct crossing in wall. (The civil works will be done based on supplier design & drawings).	85359030	Lot	1			
14	2A14 - Supply of Earthing material for 220kV GIS including High frequency earthing material. The quantity shall be estimated provided by bidder for above floor earthing connection.	85359030	Lot	1			
15	2A15 - Consumables required for 220kV GIS	85359030	Lot	1			
16	2A16 - Portable ladder & catwalk arrangement for maintenance	85359030	Set	1			
17	2A17 - Coupling devices / adapters for testing and maintenance equipment	85359030	SET	1			
18	2B1 - Portable type PDM kit alongwith sensors and accessories (UHF Type) (Dobel make or equivalent) FOR 220KV GIS	85359030	Set	1			
19	2C1.1 - 220kV GIS spares general -SF6 Gas Pressure Relief Devices, 3 Nos. of each type	85359030	Set	2			
20	2C1.2 - 220kV GIS spares general -SF6 Pressure gauge with coupling device cum switch or density monitors and pressure switch as applicable (1 no. of each type)	85359030	Set	1			
21	2C1.3 - 220kV GIS spares general -Coupling device for pressure gauge cum switch for connecting Gas handling plant	85359030	Set	2			
22	2C1.4 - 220kV GIS spares general -Rubber Gaskets, "O" Rings and Seals for SF6 gas of each type	85359030	Set	1			
23	2C1.5 - 220kV GIS spares general -Molecular filter for SF6 gas with filter bags (20% of total weight)	85359030	Set	1			
24	2C1.6 - 220kV GIS spares general -All types of Control Valves for SF6 gas of each type	85359030	Set	2			
25	2C1.7 - 220kV GIS spares general -SF6 gas (20 % of total gas)	85359030	Lot	1			
26	2C1.8 - 220kV GIS spares general -All types of coupling for SF6 gas (1 no. of each type)	85359030	Set	1			
27	2C1.9 - 220kV GIS spares general -Pipe length (Copper or Steel as applicable) for SF6 Circuit of each type	85359030	Set	1			
28	2C1.10 - 220kV GIS spares general -Density Monitors for SF6 gas	85359030	Nos.	1			
29	2C1.11 - 220kV GIS spares general -Enclosures, Insulators & main circuit to replace on each phase, any compartment of Busbar or bay (1 set for 1 bay)	85359030	Set	1			
30	2C1.12 - 220kV GIS spares general -Covers with all accessories necessary to close a compartment in case of dismantling of any part of the Enclosure to ensure the sealing of this compartment - For 3 phase enclosure if applicable (1 set for 1 bay)	85359030	Nos.	2			
31	2C1.13 - 220kV GIS spares general -Covers with all accessories necessary to close a compartment in case of dismantling of any part of the Enclosure to ensure the sealing of this compartment - For 1 phase enclosure if applicable (1 set for 1 bay)	85359030	Nos.	3			
32	2C1.14 - 220kV GIS spares general -Locking device to keep the Dis-connectors (Isolators) and Earthing switches in close or open position in case of removal of the driving Mechanism	85359030	Set	1			
33	2C1.15 - 220kV GIS spares general -Bus support Insulator of each type for single phase/ 3 phase enclosure (5% of population)	85359030	Set	1			
34	2C1.16 - 220kV GIS spares general -SF6 to air bushing (220 kV) of each type & rating	85359030	Set	1			
35	2C1.17 - 220kV GIS spares general -Spares for Local control cabinet including MCB, fuses, timers, Aux Relay of each type & rating terminal of each type	85359030	Set	1			
36	2C1.18 - 220kV GIS spares general -Bushing for Dielectric test on Cable	85359030	Nos.	1			
37	2C1.20 - 220kV GIS spares general -Cable Termination Enclosure	85359030	Set	1			
38	2C2.1 - 220 kV Circuit Breaker - Complete Circuit Breaker pole of each type & rating complete with interrupter, main circuit, enclosure and Marshalling Box with operating mechanism	85359030	Set	3			
39	2C2.2 - 220 kV Circuit Breaker - Fixed, moving and arcing contacts including insulating nozzles 3 nos. of each type	85359030	Set	1			
40	2C2.3 - 220 kV Circuit Breaker - Rubber gaskets, "O" rings and seals for SF6 gas of each type	85359030	Set	1			
41	2C2.4 - 220 kV Circuit Breaker - Trip coil assembly with resistor as applicable, 3 nos. of each type	85359030	Set	2			
42	2C2.5 - 220 kV Circuit Breaker - Closing coil assembly with resistor as applicable, 3 nos. of each type	85359030	Set	2			
43	2C2.6 - 220 kV Circuit Breaker - Molecular filter for SF6 gas with filter bags (10% of total quantity used)	85359030	Lot	1			

UN-PRICED BID SCHEDULE (for Foreign vendors only)
(BIDDER TO STRICTLY ENSURE SUBMITTING THE PRICE BIDS IN THIS FORMAT)

TENDER Enquiry No_279G002, dtd. 08.05.2019

220 kV GAS INSULATED SWITCHGEAR (GIS) for UPPTCL
Basara (Ballia) Project

A	B	C	D	E	F	G	H
	Name of Item	HSN / SAC code	Unit	Qty	Currency	Unit-CIF (Indian Sea port)	Total -CIF (Indian Sea port)
44	2C2.7 - 220 kV Circuit Breaker - SF6 Pressure gauge cum switch or Density monitors and pressure switch as applicable, 3 nos each type	85359030	Set	1			
45	2C2.8 - 220 kV Circuit Breaker - Coupling device for pressure gauge cum switch for connecting Gas handling plant, 3 nos. of each type	85359030	Set	1			
46	2C2.9 - 220 kV Circuit Breaker - Relays, Power contactors, push buttons, timers & MCBs etc of each type & rating	85359030	Set	1			
47	2C2.10 - 220 kV Circuit Breaker - Closing assembly/ valve, 3 nos. of each type	85359030	Set	2			
48	2C2.11 - 220 kV Circuit Breaker - Trip assembly/ valve, 3 nos. of each type	85359030	Set	2			
49	2C2.12 - 220 kV Circuit Breaker - Aux. switch assembly, 3 nos. of each type	85359030	Set	1			
50	2C2.13 - 220 kV Circuit Breaker - Operation Counter, 3 nos. of each type	85359030	Set	1			
51	2C2.14 - Rupture disc, 3 nos. of each type	85359030	Set	1			
52	2C2.15 - 220 kV Circuit Breaker - Windoscope / Observing window, 3 nos. of each type	85359030	Set	1			
53	2C2.16 - 220 kV Circuit Breaker - Spring operating closing mechanism one no of each type, if applicable	85359030	Set	1			
54	2C2.17 - 220 kV Circuit Breaker - Hydraulic operating mechanism with drive motor , 3 nos of each type if applicable	85359030	Set	1			
55	2C2.18 - 220 kV Circuit Breaker - Ferrules, joints and couplings, 3 nos. of each type	85359030	Set	1			
56	2C2.19 - 220 kV Circuit Breaker - Hydraulic filter, 3 nos. of each type	85359030	Set	1			
57	2C2.20 - 220 kV Circuit Breaker - Hose pipe, 3 nos. of each type	85359030	Set	1			
58	2C2.21 - 220 kV Circuit Breaker - N2 Accumulator, 3 nos. of each type	85359030	Set	1			
59	2C2.22 - 220 kV Circuit Breaker - Pressure transducer, 3 nos. of each type	85359030	Set	1			
60	2C2.23 - 220 kV Circuit Breaker - Valves 3 nos. of each type	85359030	Set	1			
61	2C2.24 - 220 kV Circuit Breaker - Pipe length (copper & steel) 3 nos. of each size & type	85359030	Set	1			
62	2C2.25 - 220 kV Circuit Breaker - Pressure switches 3 nos. of each type	85359030	Set	1			
63	2C2.26 - 220 kV Circuit Breaker - Pressure gauge with coupling device, 3 nos. of each type	85359030	Set	1			
64	2C2.27 - 220 kV Circuit Breaker - Hydraulic oil (20% of total qty. used)	85359030	Set	1			
65	2C2.28 - 220 kV Circuit Breaker - Pressure Relief Device, 3 nos. of each type	85359030	Set	2			
66	2C3.1 - 220 kV Isolators - Complete set of 3 nos. of single phase / one no. of 3-phase dis-connector including main circuit, enclosure, driving mechanism	85359030	Set	1			
67	2C3.2 - 220 kV Isolators - Single Phase/Three Phase High speed fault making grounding switch operating mechanism complete with all necessary gaskets mounting hardware/operating mechanism complete with all necessary gaskets connecting apparatus.	85359030	Set	1			
68	2C3.3 - 220 kV Isolators - 3 no. of single phase / one no of 3-phase Earthing switch including main circuit, enclosure, driving mechanism	85359030	Set	1			
69	2C3.4 - 220 kV Isolators - Copper contact fingers for dis-connector male & female contact –for one complete (3 phase) dis-connector of each type and rating	85359030	Set	1			
70	2C3.5 - 220 kV Isolators - Copper contact fingers for earthing switch male & female contacts- for one complete (3 phase) earthing switch of each type and rating	85359030	Set	1			
71	2C3.6 - 220 kV Isolators - Open / Close contactor assembly, timers, key interlock for one complete (3 phase) dis-connector and (3 phase) earthing switch of each type and rating	85359030	Set	1			
72	2C3.7 - 220 kV Isolators - Push button switch. each type, as applicable	85359030	Set	1			
73	2C3.8.1 - 220 kV Isolators -Limit switches and Aux. Switches for complete 3 phase equipment For isolator	85359030	Set	1			
74	2C3.8.2 - Limit switches and Aux. Switches for complete 3 phase equipment For earth switch	85359030	Set	1			
75	2C3.9.1 - 220 kV Isolators -Rotor housing bearing assembly for complete 3 phase equipment For isolator	85359030	Set	1			
76	2C3.9.2 - 220 kV Isolators -Rotor housing bearing assembly for complete 3 phase equipment For earth switch	85359030	Set	1			
77	2C3.10.1 - 220 kV Isolators - Motor with gear assembly for complete 3 phase equipment For isolator	85359030	Set	1			
78	2C3.10.2 - 220 kV Isolators - Motor with gear assembly for complete 3 phase equipment For earth switch	85359030	Set	1			
79	2C3.10.3 - 220 kV Isolators - Corona shield rings as applicable (1 set for one complete 3-phase isolator)	85359030	Set	1			
80	2C3.11.1 - 220 kV Isolators - Hinge pins for complete 3 phase equipment For isolator	85359030	Set	1			
81	2C3.11.2 - 220 kV Isolators - Hinge pins for complete 3 phase equipment For earth switch	85359030	Set	1			
82	2C3.12.1 - 220 kV Isolators - Bearings for complete 3 phase equipment For isolator	85359030	Set	1			
83	2C3.12.2 - 220 kV Isolators - Bearings for complete 3 phase equipment For earth switch	85359030	Set	1			
84	2C3.12.3 - 220 kV Isolators - Interlocking coil with resistors, timers, key interlock for complete 3 phase equipment (each type and rating)	85359030	Set	1			
85	2C3.13.1 - 220 kV Isolators - Relays, Power contactors, resistors, fuses, push buttons, timers & MCBs (complete for one 3 phase equipment) For isolator	85359030	Set	3			
86	2C3.13.2 - 220 kV Isolators - Relays, Power contactors, resistors, fuses, push buttons, timers & MCBs (complete for one 3 phase equipment) For earth switch	85359030	Set	1			

UN-PRICED BID SCHEDULE (for Foreign vendors only)
(BIDDER TO STRICTLY ENSURE SUBMITTING THE PRICE BIDS IN THIS FORMAT)

TENDER Enquiry No_279G002, dtd. 08.05.2019

220 kV GAS INSULATED SWITCHGEAR (GIS) for UPPTCL
Basara (Ballia) Project

A	B	C	D	E	F	G	H
	Name of Item	HSN / SAC code	Unit	Qty	Currency	Unit-CIF (Indian Sea port))	Total -CIF (Indian Sea port))
87	2C3.13.3 - 220 kV Isolators - Relays, Power contactors, resistors, fuses, push buttons, timers & MCBs (complete for one 3 phase equipment) -Aux. switch assembly (complete) with 10 NO & 10 NC or more contacts for both isolator & earth switch	85359030	Set	1			
88	2C4.1 - 220kV Current transformer -Gas Insulated Complete 220kV CT of each type and rating with enclosure	85359030	Nos.	3			
89	2C4.2 - 220kV Current transformer - Secondary bushing of each type	85359030	Set	3			
90	2C5.1 - Gas Insulated Complete 220kV PT of each type and rating with enclosure	85359030	Nos.	3			
91	2E - Supply Item - Tools & tackle FOR 220 KV GIS	85359030	Lot	1			
108	2I1 - Supply - Any other item required for completion of project and not covered in A to E- Complete List to be provided by bidder along with unit prices.	85359030	Lot	1			
109	2I2 - Services - Any other item required for completion of project and not covered in F&G - Complete List to be provided by bidder along with unit prices.	85359030	Lot	1			
110	2J1 - Operating Mechanism box for 220kV , 2000 A Circuit Breaker	85359030	No.	1			
111	2J2 - Operating Mechanism box for 220kV , 2000 A disconnecter	85359030	No.	1			
112	2J3 - Operating mechanism for 220kV , Maintenance Earthing Switch	85359030	No.	1			
113	2J4 - Operating Mechanism for 220kV , High Speed Earthing Switch	85359030	No.	1			
114	2J5 - Single Phase Bus bar (Any type)	85359030	m	1			
115	2J6 - Conductor for Single phase Bus bar/ bus duct (any type)	85359030	kg	10			
116	2J7 - Gas barrier insulators (of each type and rating)	85359030	Set	1			
117	2J8 - Density switch	85359030	Set	1			
118	2J9 - UHF PD sensor along with all accessories	85359030	Set	1			
119	2J10 - Elbow /Angle / T-bends	85359030	Set	1			
120	2J11 - Expansion bellows/ joints	85359030	Set	1			
121	2J12 - Expansion joints / bellows	85359030	No.	1			
	Total cost for Supply portion						

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220 kV GAS INSULATED SWITCHGEAR (GIS) for UPPTCL
Basara (Balila) Project

A	B	C	D	E	F	G	H
	Name of item	HSN / SAC code	Unit	Qty	Currency	Unit-CIF (Indian Sea port))	Total -CIF (Indian Sea port))
A	B	C	D	E	F	G	H
					Currency	Unit Charges	Total Charges
92	2F1 - Insulation co-ordination studies	85359030	Lot	1			
93	2F2 - Site visit for unloading & verification of material at store	85359030	Set	1			
94	2F3 - Supervision of Erection of GIS	85359030	Lot	1			
95	2F4 - Supervision of Erection of GIS Duct - GIS to SF6 to Air Bushings	85359030	Metre	240			
96	2F5 - Supervision of Erection of 220kV Cable termination module	85359030	Set	4			
97	2F6 - Supervision of Erection of complete SF6 to Air Bushing	85359030	Set	1			
98	2F7 - Testing & Commissioning of GIS	85359030	Lot	1			
99	2F8 - Final successful Testing of GIS including HV test kit	85359030	Lot	1			
100	2F9 - Final Documentation	85359030	Lot	1			
101	2F10- Testing & Commissioning of GIS for 220kV cable termination	85359030	Set	4			
102	2G1 - Training for 220kV GIS of 6 no. Engineers (4 no. customer engineers+2 no. BHEL engineers) for a period of at least one week at Manufacturer's works	85359030	Lot	1			
103	2G2 - Lodging and boarding of 4 no. customer engineers for a period of at least one week at Manufacturer's works	85359030	Lot	1			
104	2G3 - To and Fro charges of 4 no. customer engineers for a period of at least one week at Manufacturer's works	85359030	Lot	1			
105	2G4 - Training for 220kV GIS of 12 no. Engineers (10 no. customer engineers+2 no. BHEL engineers) for a period of at least one week at site	85359030	Lot	1			
106	2G5 - Lodging and boarding of 10 no. customer engineers for a period of at least one week at site	85359030	Lot	1			
107	2G6 - To and Fro charges of 10 no. customer engineers for a period of at least one week at site	85359030	Lot	1			
122	2J13 - Services of manpower for erection per day (excl. travel time)	85359030	days	1			
123	2J14 - Services of manpower for Testing & commissioning per day (excl. travel time)	85359030	days	1			
124	2J15 - Hiring charges of HV test kit	85359030	lot	1			
				679			
				Total cost for Service Portion			
Total (supply+ Service)							
Total cost (in words)							

NOTE-

- Discharge Port:-Chennai port or Mumbai Port as opted by Bidder. Port of discharge as per Vendor.
- TOTAL (supply+ Service) is excluding Custom duty, handling charges at discharge port, inland F&I charges, taxes applicable in India and other loading charges.
- No of package with Dimensions and type of cargo(Break Bulk/ACL/FCL) and no. of container (with type of container) required-is also to be mentioned by bidder.
- Bidder has to mention "quoted" (in each applicable cell) in unpriced bid. In case that cell is Not Applicable, "NA" must be mentioned in that particular cell. Prices shall be mentioned in Price bid schedule only.
- Bidder strictly to quote as per BHEL format only. Other format of price bid will be liable for rejection.
- Bidder to quote strictly as per BoQ. Rates/prices shall not be combined. In case, the charges/prices are combined, BHEL reserves the right to reject the offer. Decision of BHEL shall be final.
- Taxes outside India shall be in scope of bidder and deemed to be included in their quoted price.
- It is certified that, We (M/s _____) have quoted as per the specified price format of the tender, otherwise our offer shall be liable for rejection.
- Price bids (Part-II): To be submitted in separate envelopes for each of GIS rating ie for 400kV GIS, 220KV GIS and 132KV GIS. Vendor may quote all GISs or any of the 400KV GIS, 220KV GIS and 132KV GIS.

NAME AND SEAL OF TENDERER

UN-PRICED BID SCHEDULE (for Foreign vendors only)
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TENDER Enquiry No _279G002, dtd. 08.05.2019

**400 kV GAS INSULATED SWITCHGEAR (GIS) for UPPTCL
Basara (Balia) Project**

A	B	C	D	E	F	G	H
	Name of Item	HSN / SAC code	Unit	Qty	Currency	Unit-CIF (Indian Sea port)	Total -CIF (Indian Sea port)
1	4A1 - 400kV Transformer Bay Module:	85359030	set	2			
2	4A2 - 400kV Bus Reactor Bay Module:	85359030	set	1			
3	4A3 - 400kV Line Feeder Bay Module:	85359030	set	4			
4	4A4 - 400kV Bus Bars:	85359030	set	2			
5	4A5 - 400kV Voltage Transformer module (for Busbars):	85359030	Set	2			
6	4A6 - 400kV Bus Coupler Bay Module:	85359030	Set	1			
7	4A7 - First filling of SF6 gas for the equipment supplied plus an additional quantity sufficient for conducting all tests on equipment at site before placing it into successful operation	85359030	Lot	1			
8	4A8 - First filling of hydraulic fluid, if applicable	85359030	Lot	1			
9	4A9 - 400kV SF6 to Air Bushing	85359030	nos.	21			
10	4A10 - 400kV GIS duct from GIS ICT/Line Bays to SF6 to Air bushing	85359030	Metre	600			
11	4A11 - Local Control Cabinet (LCC) for 400kV GIS	85359030	nos.	8			
12	4A12 - Controlled Switching Device for ONE set of 2000A, 3x1-phase, SF6 insulated circuit breaker	85359030	nos.	3			
13	4A13 - Supply of structure materials, required for complete installation of 400kV GIS including support structure (foundation bolts/ embedded parts) in floor, walkway platform, structure & bus duct & railing etc including wall sealing & frame for duct crossing in wall. (The civil works will be done based on supplier design & drawings).	85359030	Lot	1			
14	4A14 - Supply of Earthing material for 400kV GIS including High frequency earthing material. The quantity shall be estimated provided by bidder for above floor earthing connection.	85359030	Lot	1			
15	4A15 - Consumables required for 400kV GIS	85359030	Lot	1			
16	4A16 - Laptop for configuration of CSD	85359030	nos.	1			
17	4A17 - Signal/ Special Cables between Circuit breaker and controlled switching device, other than armoured power and control cables	85359030	Lot	1			
18	4A18 - Portable ladder & catwalk arrangement for maintenance	85359030	set	1			
19	4B1 - SF6 Gas Filling, Evacuating, Filtering, Drying, Pumping & storage Plant with spares for five years operation (including gas sections of bus-bar and all associated equipments) (Any reputed make) - 300 litre capacity, DILO mega series or equivalent	85359030	Set	1			
20	4B1A - SF6 Gas Filling, Evacuating, Filtering, Drying, Pumping & storage Plant with spares for five years operation (including gas sections of bus-bar and all associated equipments) (Any reputed make) - 300 litre capacity, DILO Economy series or equivalent	85359030	Set	1			
21	4B2 - Portable type Partial discharge Monitoring kit alongwith sensors and accessories (UHF Type) (Dobel make or equivalent)	85359030	Set	1			
22	4B3 - SF6 Moisture Content (Dew Point) meter (any reputed make)	85359030	Set	1			
23	4B4 - Contact resistance meter (any reputed make)	85359030	Set	1			
24	4B5 - Circuit breaker operational analyzer (any reputed make)	85359030	Set	1			
25	4B6 - SF6 gas leakage detector (any reputed make)	85359030	Set	2			
26	4B7 - Digital Manometer (any reputed make)	85359030	Nos.	2			
27	4B8 - Micro gas Analyzer (any reputed make)	85359030	Set	2			
28	4B9 - Gas masks (any reputed make)	85359030	Nos.	10			
29	4C1.1 - 400kV GIS spares general - SF6 Gas Pressure Relief Devices, 3 Nos. of each type	85359030	Set	2			
30	4C1.2 - 400kV GIS spares general - SF6 Pressure gauge with coupling device cum switch or density monitors and pressure switch as applicable (1 no. of each type)	85359030	Set	1			
31	4C1.3 - 400kV GIS spares general - Coupling device for pressure gauge cum switch for connecting Gas handling plant	85359030	Set	2			
32	4C1.4 - 400kV GIS spares general - Rubber Gaskets, "O" Rings and Seals for SF6 gas of each type	85359030	Set	1			
33	4C1.5 - 400kV GIS spares general - Molecular filter for SF6 gas with filter bags (20% of total weight)	85359030	Set	1			
34	4C1.6 - 400kV GIS spares general - All types of Control Valves for SF6 gas of each type	85359030	Set	2			
35	4C1.7 - 400kV GIS spares general - SF6 gas (20 % of total gas)	85359030	Lot	1			
36	4C1.8 - 400kV GIS spares general - All types of coupling for SF6 gas (1 no. of each type)	85359030	Set	1			
37	4C1.9 - 400kV GIS spares general - Pipe length (Copper or Steel as applicable) for SF6 Circuit of each type	85359030	Set	1			
38	4C1.10 - 400kV GIS spares general - Density Monitors for SF6 gas	85359030	Set	1			
39	4C1.11 - 400kV GIS spares general - Enclosures, Insulators & main circuit to replace on each phase, any compartment of Busbar or bay (1 set for 1 (one) bay)	85359030	Set	1			
40	4C1.12.1 - 400kV GIS spares general - Covers with all accessories necessary to close a compartment in case of dismantling of any part of the Enclosure to ensure the sealing of this compartment For 3 phase enclosure if applicable (1 set for 1 (one) bay	85359030	Set	2			
41	4C1.12.2 - 400kV GIS spares general - Covers with all accessories necessary to close a compartment in case of dismantling of any part of the Enclosure to ensure the sealing of this compartment For 1 phase enclosure if applicable (1 set for 1 (one) bay	85359030	Set	3			
42	4C1.13 - 400kV GIS spares general - Locking device to keep the Dis-connectors (Isolators) and Earthing switches in close or open position in case of removal of the driving Mechanism	85359030	Set	1			

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TENDER Enquiry No. 279G002, dtd. 08.05.2019

400 kV GAS INSULATED SWITCHGEAR (GIS) for UPPTCL
Basara (Bafia) Project

A	B	C	D	E	F	G	H
	Name of Item	HSN / SAC code	Unit	Qty	Currency	Unit-CIF (Indian Sea port)	Total -CIF (Indian Sea port)
43	4C1.14 - 400kV GIS spares general - Bus support Insulator of each type for single phase/ 3 phase enclosure (5% of population)	85359030	Lot	1			
44	4C1.15 - 400kV GIS spares general - SF6 to air bushing of each type & rating	85359030	Set	1			
45	4C1.16 - 400kV GIS spares general - Spares for Local control cabinet including MCB, fuses, timers, Aux Relay of each type & rating terminal of each type	85359030	Set	1			
46	4C2.1 - 400 kV Circuit Breaker - Complete Circuit Breaker pole of each type & rating complete with interrupter, main circuit, enclosure and Marshalling Box with operating mechanism	85359030	Set	3			
47	4C2.2 - 400 kV Circuit Breaker - Fixed, moving and arcing contacts including insulating nozzles - 3 nos. of each type	85359030	Set	1			
48	4C2.3 - 400 kV Circuit Breaker - Rubber gaskets, 'O' rings and seals for SF6 gas of each type	85359030	Set	1			
49	4C2.4 - 400 kV Circuit Breaker - Trip coil assembly with resistor as applicable, 3 nos. of each type	85359030	Set	2			
50	4C2.5 - 400 kV Circuit Breaker - Closing coil assembly with resistor as applicable, 3 nos. of each type	85359030	Set	2			
51	4C2.6 - 400 kV Circuit Breaker - Molecular filter for SF6 gas with filter bags (10% of total quantity used)	85359030	Lot	1			
52	4C2.7 - 400 kV Circuit Breaker - SF6 Pressure gauge cum switch or Density monitors and pressure switch as applicable, 3 nos each type	85359030	Set	1			
53	4C2.8 - 400 kV Circuit Breaker - Coupling device for pressure gauge cum switch for connecting Gas handling plant, 3 nos. of each type	85359030	Set	1			
54	4C2.9 - 400 kV Circuit Breaker - Relays, Power contactors, push buttons, timers & MCBs etc of each type & rating	85359030	Set	1			
55	4C2.10 - 400 kV Circuit Breaker - Closing assembly/ valve, 3 nos. of each type	85359030	Set	2			
56	4C2.11 - 400 kV Circuit Breaker - Trip assembly/ valve, 3 nos. of each type	85359030	Set	2			
57	4C2.12 - 400 kV Circuit Breaker - Aux. switch assembly, 3 nos. of each type	85359030	Set	1			
58	4C2.13 - 400 kV Circuit Breaker - Operation Counter, 3 nos. of each type	85359030	Set	1			
59	4C2.14 - 400 kV Circuit Breaker - Rupture disc, 3 nos. of each type	85359030	Set	1			
60	4C2.15 - 400 kV Circuit Breaker - Windscope / Observing window, 3 nos. of each type		Set	1			
61	4C2.16 - 400 kV Circuit Breaker - Spring operating closing mechanism one no of each type, if applicable	85359030	Set	1			
62	4C2.17.1 - 400 kV Circuit Breaker - Hydraulic operating mechanism with drive motor, 3 nos of each type if applicable	85359030	Set	1			
63	4C2.17.2 - 400 kV Circuit Breaker - Hydraulic operating mechanism- Ferrules, joints and couplings, 3 nos. of each type	85359030	Set	1			
64	4C2.17.3 - 400 kV Circuit Breaker - Hydraulic filter, 3 nos. of each type	85359030	Set	1			
65	4C2.17.4 - 400 kV Circuit Breaker - Hydraulic operating mechanism- Hose pipe, 3 nos. of each type	85359030	Set	1			
66	4C2.17.5 - 400 kV Circuit Breaker - Hydraulic operating mechanism- N2 Accumulator, 3 nos. of each type	85359030	Set	1			
67	4C2.17.6 - 400 kV Circuit Breaker - Hydraulic operating mechanism- Pressure transducer, 3 nos. of each type	85359030	Set	1			
68	4C2.17.7 - 400 kV Circuit Breaker - Hydraulic operating mechanism- Valves 3 nos. of each type	85359030	Set	1			
69	4C2.17.8 - 400 kV Circuit Breaker - Hydraulic operating mechanism- Pipe length (copper & steel) 3 nos. of each size & type	85359030	Set	1			
70	4C2.17.9 - 400 kV Circuit Breaker - Hydraulic operating mechanism- Pressure switches 3 nos. of each type	85359030	Set	1			
71	4C2.17.10 - 400 kV Circuit Breaker - Hydraulic operating mechanism- Pressure gauge with coupling device, 3 nos. of each type	85359030	Set	1			
72	4C2.17.11 - 400 kV Circuit Breaker - Hydraulic oil (20% of total qty. used)	85359030	Set	1			
73	4C2.17.12 - 400 kV Circuit Breaker - Hydraulic operating mechanism- Pressure Relief Device, 3 nos. of each type		Set	2			
74	4C3.1 - 400 kV Isolators - Complete set of 3 nos. of single phase / one no. of 3-phase dis-connector including main circuit, enclosure, driving mechanism	85359030	Set	1			
75	4C3.2 - 400 kV Isolators - High speed fault making grounding switch operating mechanism complete with all necessary gaskets mounting hardware/operating mechanism complete with all necessary gaskets connecting apparatus.	85359030	Set	1			
76	4C3.3 - 400 kV Isolators - 3 no. of single phase / one no of 3-phase Earthing switch including main circuit, enclosure, driving mechanism	85359030	Set	1			
77	4C3.4 - 400 kV Isolators - Copper contact fingers for dis-connector male & female contact -for one complete (3 phase) dis-connector of each type and rating	85359030	Set	1			
78	4C3.5 - 400 kV Isolators - Copper contact fingers for earthing switch male & female contacts- for one complete (3 phase) earthing switch of each type and rating	85359030	Set	1			
79	4C3.6 - 400 kV Isolators - Open / Close contactor assembly, timers, key interlock for one complete (3 phase) dis-connector and (3 phase) earthing switch of each type and rating	85359030	Set	1			
80	4C3.7 - 400 kV Isolators - Push button switch, each type, as applicable	85359030	Set	1			
81	4C3.8.1 - 400 kV Isolators - Limit switches and Aux. Switches for complete 3 phase equipment- For isolator	85359030	Set	1			
82	4C3.8.2 - 400 kV Isolators - Limit switches and Aux. Switches for complete 3 phase equipment For earth switch	85359030	Set	1			
83	4C3.9.1 - 400 kV Isolators - Rotor housing bearing assembly for complete 3 phase equipment For isolator	85359030	Set	1			
84	4C3.9.2 - 400 kV Isolators - Rotor housing bearing assembly for complete 3 phase equipment For earth switch	85359030	Set	1			

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TENDER Enquiry No_279G002, dtd. 08.05.2019

**400 kV GAS INSULATED SWITCHGEAR (GIS) for UPPTCL
Basara (Balia) Project**

A	B	C	D	E	F	G	H
	Name of Item	HSN / SAC code	Unit	Qty	Currency	Unit -CIF (Indian Sea port))	Total -CIF (Indian Sea port))
85	4C3.10.1 - 400 kV Isolators - Motor with gear assembly for complete 3 phase equipment For isolator	85359030	Set	1			
86	4C3.10.2 - 400 kV Isolators - Motor with gear assembly for complete 3 phase equipment For earth switch	85359030	Set	1			
87	4C3.11 - 400 kV Isolators - Corona shield rings as applicable (1 set for one complete 3-phase isolator)	85359030	Set	2			
88	4C3.12.1 - 400 kV Isolators - Hinge pins for complete 3 phase equipment For isolator	85359030	Set	1			
89	4C3.12.2 - 400 kV Isolators - Hinge pins for complete 3 phase equipment For earth switch	85359030	Set	1			
90	4C3.13.1 - 400 kV Isolators - Bearings for complete 3 phase equipment For isolator	85359030	Set	1			
91	4C3.13.2 - 400 kV Isolators - Bearings for complete 3 phase equipment For earth switch	85359030	Set	1			
92	4C3.14 - 400 kV Isolators - Interlocking coil with resistors, timers, key interlock for complete 3 phase equipment (each type and rating)	85359030	Set	1			
93	4C3.15.1 - 400 kV Isolators - Relays, Power contactors, resistors, fuses, push buttons, timers & MCBs (complete for one 3 phase equipment) For isolator	85359030	Set	3			
94	4C3.15.2 - 400 kV Isolators - Relays, Power contactors, resistors, fuses, push buttons, timers & MCBs (complete for one 3 phase equipment) For earth switch	85359030	Set	1			
95	4C3.16 - 400 kV Isolators - Aux. switch assembly (complete) with 10 NO & 10 NC or more contacts for both isolator & earth switch	85359030	Set	1			
96	4C4.1 - 400 KV Current Transformer - Gas Insulated Complete CT of each type and rating with enclosure	85359030	Set	3			
97	4C4.2 - 400 KV Current Transformer - Secondary bushing of each type	85359030	Set	3			
98	4C5.1 - 400KV Voltage Transformer - Gas Insulated Complete PT of each type and rating with enclosure	85359030	Set	3			
99	4E - Supply Item - Tools & tackle	85359030	Lot	1			
114	4I1 - Supply - Any other item required for completion of project and not covered in A to E- Complete List to be provided by bidder along with unit prices.	85359030	Lot	1			
116	4J1 - Operating Mechanism box for single phase, 400kV Circuit Breaker	85359030	No.	1			
117	4J2 - Operating Mechanism box for single phase, 400kV disconnecter	85359030	No.	1			
118	4J3 - Operating mechanism for single phase, 400kV, Maintenance Earthing Switch	85359030	No.	1			
119	4J4 - Operating Mechanism for single phase, 400kV, High Speed Earthing Switch	85359030	No.	1			
120	4J5 - Single phase bus bar (Any type)	85359030	Metre	1			
121	4J6 - Conductor for Single phase Bus bar/ bus duct (any type)	85359030	Kg	10			
122	4J8 - Gas barrier insulators	85359030	Set	1			
123	4J9 - Density switch	85359030	Set	1			
124	4J10 - UHF PD sensor along with all accessories	85359030	Set	1			
125	4J12 - Elbow/ Angle /T-bends	85359030	Set	1			
126	4J15 - Expansion bellows/ joints	85359030	Set	1			
	Total cost for Supply portion						

UN-PRICED BID SCHEDULE (for Foreign vendors only)
(BIDDER TO STRICTLY ENSURE SUBMITTING THE PRICE BIDS IN THIS FORMAT)

TENDER Enquiry No_279G002, dtd. 08.05.2019

400 kV GAS INSULATED SWITCHGEAR (GIS) for UPPTCL
Basara (Ballia) Project

A	B	C	D	E	F	G	H
	Name of item	HSN / SAC code	Unit	Qty	Currency	Unit-CIF (Indian Sea port))	Total -CIF (Indian Sea port))
A	B	C	D	E	F	G	H
					Currency	Unit Charges	Total Charges
100	4F1 - Insulation co-ordination studies	85359030	Lot	1			
101	4F2 - Site visit for unloading & verification of material at store	85359030	Set	1			
102	4F3 - Supervision of Erection of GIS	85359030	Lot	1			
103	4F4 - Supervision of Erection of GIS Duct - GIS to SF6 to Air Bushings	85359030	Metre	600			
104	4F5 - Supervision of Erection of complete SF6 to Air Bushing	85359030	Nos.	21			
105	4F6 - Testing & Commissioning of GIS	85359030	Lot	1			
106	4F7 - Final successful Testing of GIS including HV test kit	85359030	Lot	1			
107	4F8 - Final Documentation	85359030	Lot	1			
108	4G1 - Training for GIS of 6 no. Engineers (4 no. customer engineers+2 no. BHEL engineers) for a period of at least one week at Manufacturer's works	85359030	Lot	1			
109	4G2 - Lodging and boarding of 4 no. customer engineers for a period of at least one week at Manufacturer's works	85359030	Lot	1			
110	4G3 - To and Fro charges of 4 no. customer engineers for a period of at least one week at Manufacturer's works	85359030	Lot	1			
111	4G4 - Training for GIS of 12 no. Engineers (10 no. customer engineers+2 no. BHEL engineers) for a period of at least one week at site	85359030	Lot	1			
112	4G5 - Lodging and boarding of 10 no. customer engineers for a period of at least one week at site	85359030	Lot	1			
113	4G6 - To and Fro charges of of 10 no. customer engineers for a period of at least one week at site	85359030	Lot	1			
115	4I2 - Services - Any other item required for completion of project and not covered in F&G - Complete List to be provided by bidder along with unit prices.	85359030	Lot	1			
127	4J17 - Services of manpower for erection per day (excluding travel time)	85359030	Day	1			
128	4J18 - Services of manpower for Testing & commissioning per day (excluding travel time)	85359030	Day	1			
129	4J19 - Hiring charges of HV test kit	85359030	Lot	1			
				1425			
	Total cost for Service Portion						
Total (supply+ Service)							
Total cost (in words)							

NOTE:-

- Discharge Port:- Chennai port or Mumbai Port as opted by Bidder. Port of discharge as per Vendor _____
- TOTAL (supply+ Service) is excluding Custom duty, handling charges at discharge port, inland F&I charges, taxes applicable in India and other loading charges.
- No of package with Dimensions and type of cargo (Break Bulk/LCL/FCL) and no. of container (with type of container) required-Is also to be mentioned by bidder.
- Bidder has to mention "quoted" (in each applicable cell) in unpriced bid. In case that cell is Not Applicable, "NA" must be mentioned in that particular cell. Prices shall be mentioned in Price bid schedule only.
- Bidder strictly to quote as per BHEL format only. Other format of price bid will be liable for rejection.
- Bidder to quote strictly as per BoQ. Rates/prices shall not be combined. In case, the charges/prices are combined, BHEL reserves the right to reject the offer. Decision of BHEL shall be final.
- Taxes outside India shall be in scope of bidder and deemed to be included in their quoted price.
- It is certified that, We (M/s _____) have quoted as per the specified price format of the tender, otherwise our offer shall be liable for rejection.
- Price bids (Part-II): To be submitted in separate envelopes for each of GIS rating ie for 400kV GIS, 220KV GIS and 132KV GIS. Vendor may quote all GISs or any of the 400KV GIS, 220KV GIS and 132KV GIS.

NAME AND SEAL OF TENDERER

(BIDDER TO STRICTLY ENSURE SUBMITTING THE PRICE BIDS IN THIS FORMAT)

TENDER Enquiry No 279G002, dtd. 08.05.2019

132 kV GAS INSULATED SWITCHGEAR (GIS) for UPPTCL Ballia (Basara) Project

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S.No.	Description of Item	HSN / SAC Code	Unit	Quantity	Unit Price Ex-works	Total Ex-Works	% of GST on Ex-W (vendor to mention % of GST applicable in respect of each line item)	GST on total Ex Works	Unit Freight & Insurance	Total Freight & Insurance	% of GST on F&I (vendor to mention % of GST applicable in respect of each line item)	GST on Total Freight & Insurance	TOTAL (FOR Destination) PRICE (Rs.)
1	2	3	4	5	6	7	8	9	10	11	12	13	14 (14=7+9+11+13)
86	1C4.1 - 132 KV Current Transformer-Gas Insulated Complete CT of each type and rating with enclosure	85359030	Nos.	3									
87	1C4.2 - 132 KV Current Transformer-Secondary bushing of each type	85359030	Set	3									
88	1C5.1 - 132KV Voltage Transformer-Gas Insulated Complete PT of each type and rating with enclosure	85359030	Nos.	3									
89	1E - Supply Item - Special tools and tackles for erection, operation and maintenance of GIS.	85359030	LOT	1									
90	1F1 - Insulation co-ordination studies	85359030	Lot	1									
91	1F2 - Site visit for unloading & verification of material at store	85359030	Lot	1									
92	1F3 - Supervision of Erection of GIS	85359030	Lot	1									
93	1F5 - Supervision of Erection of 132KV Cable termination	85359030	Set	5									
94	1F6 - Testing & Commissioning of GIS	85359030	Set	1									
95	1F7 - Final successful Testing of GIS including HV test kit	85359030	Lot	1									
96	1F8 - Final Documentation	85359030	Lot	1									
97	1F9- Testing & Commissioning of GIS for 132KV cable termination	85359030	Lot	1									
98	1G1 - Training for GIS of 6 no. Engineers (4 no. customer engineers+2 no. BHEL engineers) for a period of at least one week at Manufacturer's works	85359030	Lot	1									
99	1G2 - Lodging and boarding of 4 no. customer engineers for a period of at least one week at Manufacturer's works	85359030	Lot	1									
100	1G3 - To and Fro charges of 4 no. customer engineers for a period of at least one week at Manufacturer's works	85359030	Lot	1									
101	1G4 - Training for GIS of 12 no. Engineers (10 no. customer engineers+2 no. BHEL engineers) for a period of at least one week at site	85359030	Lot	1									
102	1G5 - Lodging and boarding of 10 no. customer engineers for a period of at least one week at site	85359030	Lot	1									
103	1G6 - To and Fro charges of 10 no. customer engineers for a period of at least one week at site	85359030	Lot	1									
104	111 - Supply - Any other item required for completion of project and not covered in A to E- Complete List to be provided by bidder along with unit prices.	85359030	Lot	1									
105	112 - Services - Any other item required for completion of project and not covered in F&G - Complete List to be provided by bidder along with unit prices.	85359030	Lot	1									
106	1J1 - Operating Mechanism box for 132kV, 2000 A Circuit Breaker	85359030	No.	1									
107	1J2 - Operating Mechanism box for 132kV, 2000 A disconnecter	85359030	No.	1									
108	1J3 - Operating mechanism for 132kV, Maintenance Earthing Switch	85359030	No.	1									
109	1J4 - Operating Mechanism for 132kV, High Speed Earthing Switch	85359030	No.	1									
110	1J5 - Single Phase Bus bar (Any type)	85359030	m	1									
111	1J6 - Conductor for Single phase Bus bar/ bus duct (any type)	85359030	kg	10									
112	1J8 - Gas barrier insulators	85359030	Set	1									
113	1J9 - Density switch	85359030	Set	1									
114	1J10 - UHF PD sensor along with all accessories	85359030	Set	1									
115	1J11 - Elbow/ Angle JT-bends	85359030	Set	1									
116	1J12 - Expansion bellows/joints	85359030	Set	1									
117	1J13 - Services of manpower for erection per day (excluding travel time)	85359030	Day	1									
118	1J14 - Services of manpower for Testing & commissioning per day (excluding travel time)	85359030	Day	1									
119	1J15 - Hiring charges of HV test kit	85359030	Lot	1									
A	Total cost (in figures)												
B	Total cost (in words)												
C	Input credit available to BHEL on account of GST (on Ex-W, F&I)												
D=A-C	Total cost to BHEL (after input credit of GST) = Total cost less GST on Ex-works less GST on F&I												

NOTE:

1. Bidder has to mention "quoted" (in each applicable cell) in unpriced bid. In case that cell is Not Applicable, "NA" must be mentioned in that particular cell. Prices shall be mentioned in Price bid schedule only.

2. Bidder strictly to quote as per BHEL format only. Other format of price bid will be liable for rejection.

3. Bidder to quote strictly as per BoQ. Rates/prices shall not be combined. In case, the charges/prices are combined

4. Bidder has to mention present rate of applicable taxes and duties in column no.8 & 12.

1. reserves the right to reject the offer. Decision of BHEL shall be final.

S.No.	Description of Item	HSN / SAC Code	Unit	Quantity	Unit Price Ex-works	Total Ex-Works	% of GST on Ex-W (vendor to mention % of GST applicable in respect of each line item)	GST on total Ex Works	Unit Freight & Insurance	Total Freight & Insurance	% of GST on F&I (vendor to mention % of GST applicable in respect of each line item)	GST on Total Freight & Insurance	TOTAL FOR Destination) PRICE (Rs.)
1	2	3	4	5	6	7	8	9	10	11	12	13	14 (14=7+9+11+13)

6. It is certified that, We (M/s _____) have quoted as per the specified price format of the tender, otherwise our offer shall be liable for rejection.

7. Price bids (Part-II): To be submitted in separate envelopes for each of GIS rating ie for 400KV GIS, 220KV GIS and 132KV GIS. Vendor may quote all GISs or any of the 400KV GIS, 220KV GIS and 132KV GIS.

NAME AND SEAL OF TENDERER

220 kV GAS INSULATED SWITCHGEAR (GIS) for UPPTCL Ballia (Basara) Project

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S.No.	Description of Item	HSN / SAC Code	Unit	Quantity	Unit Price Ex-works	Total Ex-Works	% of GST on Ex-W (vendor to mention % of GST applicable in respect of each line item)	GST on total Ex Works	Unit Freight & Insurance	Total Freight & Insurance	% of GST on F&I (vendor to mention % of GST applicable in respect of each line item)	GST on Total Freight & Insurance	TOTAL (FOR Destination) PRICE (Rs.)
1	2	3	4	5	6	7	8	9	10	11	12	13	14 (14=7+9+11+13)
106	265 - Lodging and boarding of 10 no. customer engineers for a period of at least one week at site	85359030	Lot	1									
107	266 - To and Fro charges of 10 no. customer engineers for a period of at least one week at site	85359030	Lot	1									
108	211 - Supply - Any other item required for completion of project and not covered in A to E- Complete List to be provided by bidder along with unit prices.	85359030	Lot	1									
109	212 - Services - Any other item required for completion of project and not covered in F&G- Complete List to be provided by bidder along with unit prices.	85359030	Lot	1									
110	211 - Operating Mechanism box for 220KV, 2000 A Circuit Breaker	85359030	No.	1									
111	212 - Operating Mechanism box for 220KV, 2000 A disconnect	85359030	No.	1									
112	213 - Operating Mechanism for 220KV / Maintenance Earthing Switch	85359030	No.	1									
113	214 - Operating Mechanism for 220KV, High Speed Earthing Switch	85359030	No.	1									
114	215 - Single Phase Bus bar (Any type)	85359030	m	1									
115	216 - Conductor for Single Phase Bus bar/ bus duct (any type)	85359030	kg	10									
116	217 - Gas barrier Insulators (of each type and rating)	85359030	Set	1									
117	218 - Density switch	85359030	Set	1									
118	219 - UHF PD sensor along with all accessories	85359030	Set	1									
119	210 - Elbow /Angle / T-bends	85359030	Set	1									
120	211 - Expansion bellows/ joints	85359030	Set	1									
121	212 - Expansion joints / bellows	85359030	No.	1									
122	213 - Services of manpower for erection per day (excl. travel time)	85359030	days	1									
123	214 - Services of manpower for Testing & commissioning per day (excl. travel time)	85359030	days	1									
124	215 - Hiring charges of HV test kit	85359030	lot	1									
A	Total cost (in figures)												
B	Total cost (in words)												
C	Input credit available to BHEL on account of GST (on Ex-W, F&I)												
D=A-C	Total cost to BHEL (after input credit of GST) = Total cost less GST on Ex-works less GST on F&I												

NOTE:

- Bidder has to mention "quoted" (in each applicable cell) in unpriced bid. In case that cell is Not Applicable, "NA" must be mentioned in that particular cell. Prices shall be mentioned in Price bid schedule only.
- Bidder strictly to quote as per BHEL format only. Other format of price bid will be liable for rejection.
- Bidder to quote strictly as per BoQ. Rates/prices shall not be combined. In case, the charges/prices are combined, BHEL reserves the right to reject the offer. Decision of BHEL shall be final.
- Bidder has to mention present rate of applicable taxes and duties in column no.8 & 12.
- It is certified that, We (M/s _____) have quoted as per the specified price format of the tender, otherwise our offer shall be liable for rejection.
- Price bids (Part-II): To be submitted in separate envelopes for each of GIS rating ie for 400KV GIS, 220KV GIS and 132KV GIS. Vendor may quote all GISs or any of the 400KV GIS, 220KV GIS and 132KV GIS.

NAME AND SEAL OF TENDERER

S.No.	Description of Item	HSN / SAC Code	Unit	Quantity	Unit Price Ex-works	Total Ex-Works	% of GST on Ex-W (Vendor to mention % of GST applicable in respect of each line item)	GST on total Ex Works	Unit Freight & Insurance	Total Freight & Insurance	% of GST on F&I (Vendor to mention % of GST applicable in respect of each line item)	GST on Total Freight & Insurance	TOTAL (FOR Destination) PRICE (Rs.)
1	2	3	4	5	6	7	8	9	10	11	12	13	14 (14-7+9+11+13)
1	4A1 - 400KV Transformer Bay Module	85359030	set	2									
2	4A2 - 400KV Bus Reactor Bay Module	85359030	set	1									
3	4A3 - 400KV Line Feeder Bay Module	85359030	set	4									
4	4A4 - 400KV Bus Bars	85359030	set	2									
5	4A5 - 400KV Voltage Transformer module (for Busbars)	85359030	Set	2									
6	4A6 - 400KV Bus Coupler Bay Module	85359030	Set	1									
7	4A7 - First filling of SF6 gas for the equipment supplied plus an additional quantity sufficient for conducting all tests on equipment at site before placing it into successful operation	85359030	Lot	1									
8	4A8 - First filling of hydraulic fluid, if applicable	85359030	Lot	1									
9	4A9 - 400KV SF6 to Air Bushing	85359030	nos.	21									
10	4A10 - 400KV GIS duct from GIS ICT/L line Bays to SF6 to Air bushing	85359030	Metre	600									
11	4A11 - Local Control Cabinet (LCC) for 400KV GIS	85359030	nos.	8									
12	4A12 - Controlled Switching Device for ONE set of 2000A, 3x1-phase, SF6 insulated circuit breaker	85359030	nos.	3									
13	4A13 - Supply of structure materials, required for complete installation of 400KV GIS including support structure (foundation bolts/ embedded parts) in floor, walkway platform, structure & bus duct & ralling etc including wall sealing & frame for duct crossing in wall. (The civil works will be done based on supplier design & drawings).	85359030	Lot	1									
14	4A14 - Supply of Earthing material for 400KV GIS including High frequency earthing material. The quantity shall be estimated provided by bidder for above floor earthing connection.	85359030	Lot	1									
15	4A15 - Consumables required for 400KV GIS	85359030	Lot	1									
16	4A16 - Laptop for configuration of CSO	85359030	nos.	1									
17	4A17 - Signal/ Special Cables between Circuit breaker and controlled switching device, other than armoured power and control cables	85359030	Lot	1									
18	4A18 - Portable ladder & catwalk arrangement for maintenance	85359030	set	1									
19	4B1 - SF6 Gas Filling, Evacuating, Filtering, Drying, Pumping & storage Plant with spares for five years operation (including gas sections of bus-bar and all associated equipments) (Any reputed make) - 300 litre capacity, DILQ mega series or equivalent	85359030	Set	1									
20	4B1A - SF6 Gas Filling, Evacuating, Filtering, Drying, Pumping & storage Plant with spares for five years operation (including gas sections of bus-bar and all associated equipments) (Any reputed make) - 300 litre capacity, DILQ Economy series or equivalent	85359030	Set	1									
21	4B2 - Portable Type Partial discharge Monitoring kit alongwith sensors and accessories (UHF Type) (Dobal make or equivalent)	85359030	Set	1									
22	4B3 - SF6 Moisture Content (Dew Point) meter (any reputed make)	85359030	Set	1									
23	4B4 - Contact resistance meter (any reputed make)	85359030	Set	1									
24	4B5 - Circuit Breaker operational analyzer (any reputed make)	85359030	Set	1									
25	4B6 - SF6 gas leakage detector (any reputed make)	85359030	Set	2									
26	4B7 - Digital Manometer (any reputed make)	85359030	Nos.	2									
27	4B8 - Micro gas Analyzer (any reputed make)	85359030	Set	2									
28	4B9 - Gas masks (any reputed make)	85359030	Nos.	10									
29	4C1.1 - 400KV GIS spares general - SF6 Gas Pressure Relief Devices, 3 Nos. of each type	85359030	Set	2									
30	4C1.2 - 400KV GIS spares general - SF6 Pressure gauge with coupling device cum switch or density monitors and pressure switch as applicable (1 no. of each type)	85359030	Set	1									
31	4C1.3 - 400KV GIS spares general - Coupling device for pressure gauge cum switch for connecting Gas handling plant	85359030	Set	2									
32	4C1.4 - 400KV GIS spares general - Rubber Gaskets, "O" Rings and Seals for SF6 gas of each type	85359030	Set	1									
33	4C1.5 - 400KV GIS spares general - Molecular filter for SF6 gas with filter bags (20% of total weight)	85359030	Set	1									
34	4C1.6 - 400KV GIS spares general - All Types of Control Valves for SF6 gas of each type	85359030	Set	2									
35	4C1.7 - 400KV GIS spares general - SF6 gas (20 % of total gas)	85359030	Lot	1									
36	4C1.8 - 400KV GIS spares general - All types of coupling for SF6 gas (1 no. of each type)	85359030	Set	1									
37	4C1.9 - 400KV GIS spares general - Pipe length (Copper or Steel as applicable) for SF6 Circuit of each type	85359030	Set										

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S.No.	Description of Item	HSN / SAC Code	Unit	Quantity	Unit Price Ex-works	Total Ex-Works	% of GST on Ex-W (vendor to mention % of GST applicable in respect of each line item)	GST on total Ex Works	Unit Freight & Insurance	Total Freight & Insurance	% of GST on F&I (vendor to mention % of GST applicable in respect of each line item)	GST on Total Freight & Insurance	TOTAL (FOR Destination) PRICE (Rs.)
1	2	3	4	5	6	7	8	9	10	11	12	13	14 (14=7+9+11+13)
106	4F7 - Final successful Testing of GIS including HV test kit	85359030	Lot	1									
107	4F8 - Final Documentation	85359030	Lot	1									
108	4G1 - Training for GIS of 6 no. Engineers (4 no. customer engineers+2 no. BHEL engineers) for a period of at least one week at Manufacturer's works	85359030	Lot	1									
109	4G2 - Lodging and boarding of 4 no. customer engineers for a period of at least one week at Manufacturer's works	85359030	Lot	1									
110	4G3 - To and Fro charges of 4 no. customer engineers for a period of at least one week at Manufacturer's works	85359030	Lot	1									
111	4G4 - Training for GIS of 12 no. Engineers (10 no. customer engineers+2 no. BHEL engineers) for a period of at least one week at site	85359030	Lot	1									
112	4G5 - Lodging and boarding of 10 no. customer engineers for a period of at least one week at site	85359030	Lot	1									
113	4G6 - To and Fro charges of 10 no. customer engineers for a period of at least one week at site	85359030	Lot	1									
114	4I1 - Supply - Any other item required for completion of project and not covered in A to E. Complete List to be provided by bidder along with unit prices.	85359030	Lot	1									
115	4I2 - Services - Any other item required for completion of project and not covered in F&G - Complete List to be provided by bidder along with unit prices.	85359030	Lot	1									
116	4I3 - Operating Mechanism box for single phase, 400KV Circuit Breaker	85359030	No.	1									
117	4I2 - Operating Mechanism box for single phase, 400KV disconnecter	85359030	No.	1									
118	4I3 - Operating mechanism for single phase, 400KV, Maintenance Earthing Switch	85359030	No.	1									
119	4I4 - Operating Mechanism for single phase, 400KV, High Speed Earthing Switch	85359030	Metre	1									
120	4I5 - Single phase bus bar (Any type)	85359030	Kg	10									
121	4I6 - Conductor for Single phase Bus bar/ bus duct (any type)	85359030	Set	1									
122	4I8 - Gas barrier insulators	85359030	Set	1									
123	4I9 - Density switch	85359030	Set	1									
124	4I10 - UHF PD sensor along with all accessories	85359030	Set	1									
125	4I12 - Elbow/ Angle /T-joints	85359030	Set	1									
126	4I15 - Expansion bellows/ joints	85359030	Set	1									
127	4I17 - Services of manpower for erection per day (excluding travel time)	85359030	Day	1									
128	4I18 - Services of manpower for Testing & commissioning per day (excluding travel time)	85359030	Day	1									
129	4I19 - Hiring charges of HV test kit	85359030	Lot	1									
A	Total cost (in figures)												
B	Total cost (in words)												
C	Input credit available to BHEL on account of GST (on Ex-W, F&I)												
D=A-C	Total cost to BHEL (after input credit of GST) = Total cost less GST on Ex-works less GST on F&I												

NOTE:

1. Bidder has to mention "quoted" (in each applicable cell) in unpriced bid. In case that cell is Not Applicable, "NA" must be mentioned in that particular cell. Prices shall be mentioned in Price bid schedule only.

2. Bidder strictly to quote as per BHEL format only. Other format of price bid will be liable for rejection.

3. Bidder to quote strictly as per BoQ. Rates/prices shall not be combined. In case, the charges/prices are combined, BHEL reserves the right to reject the offer. Decision of BHEL shall be final.

4. Bidder has to mention present rate of applicable taxes and duties in column no.8 & 12.

6. It is certified that, We (M/s _____) have quoted as per the specified price format of the tender, otherwise our offer shall be liable for rejection.

7. Price bids (Part-II): To be submitted in separate envelopes for each of GIS rating ie for 400KV GIS, 220KV GIS and 132KV GIS. Vendor may quote all GISs or any of the 400KV GIS, 220KV GIS and 132KV GIS.

NAME AND SEAL OF TENDERER

**BHARAT HEAVY ELECTRICALS LTD.
(TRANSMISSION BUSINESS GROUP)**

GENERAL TERMS AND CONDITIONS FOR TENDER ENQUIRY / CONTRACT

This is to be submitted duly signed by bidder in original. Clause-wise deviations and / or additional conditions / clarifications, if any, are to be brought out clearly in "Schedule of Commercial Deviation". Deviations and / or additional conditions / clarifications, if any, mentioned elsewhere in the bid / offer, shall not be considered.

Sr. No.	
1.	INSTRUCTION TO BIDDERS : 1.1 Sealed bids are invited for the items mentioned in the tender enquiry conforming to the NIT including Technical Specifications. Bids should be typed and free from overwriting and erasures. Corrections or additions / deletions, if any, must be clearly written and attested, otherwise offer may be rejected. 1.2 Bidder must ensure that their bid is submitted / dropped in the tender box on or before 14-00 Hrs. IST on the due date of opening, unless otherwise specified in the NIT, at the address as follows :- Tender Box, Materials Management, Transmission Business Group, Bharat Heavy Electricals Limited, 5th Floor, Tower-A, Advant Navis IT Business Park, Plot-7, Sector-142, Noida Expressway, Noida, Dist. G. B. Nagar, U. P. – 201305 1.3 In case tender enquiry is floated through the e-procurement system, offer / bid has to be submitted through the e-procurement system ONLY as per instructions given in the e-procurement portal (https://bheleps.buyjunction.in). 1.4 The bids shall be opened at 14-30 Hrs. IST on the due date of opening, in the presence of participating bidders who may like to be present, unless otherwise specified in the NIT. Bids received late are liable for rejection. Bidders sending bids by courier or post will have to ensure that it is timely delivered at the above address. 1.5 Bids are to be submitted duly signed with seal in two parts :- a) Techno-commercial Bid (Part-I) – To be submitted in 2 sets (original + copy). A copy of Price Bid (Part-II) clearly mentioning all the necessary information as per format without prices "Un-Priced Bid" is also to be enclosed in Part-I Bid. b) Price Bid (Part-II) – To be submitted only in one set in a separate sealed envelope. This should not contain any Technical and / or Commercial Terms and Conditions. The rates should be quoted both in figures and words. 1.6 The Part-I and Part-II Bids are to be sealed in separate envelopes and marked

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	as "Techno-commercial Bid (Part-I)" and "Price Bid (Part-II)" respectively. Both the envelopes are to be kept in another common envelope and marked as "BID". Each envelope should be sealed and super scribed with tender enquiry no., item / package name, project name and due date of opening. Bidder's name and address shall also be mentioned on each envelope 1 7 For any technical clarification, please contact official mentioned in the tender enquiry / NIT. 1 8 For any commercial clarification please contact official issuing tender enquiry / NIT 1 9 Price bid (Part-II) should not contain any additional information / description other than given in "Un-Priced Bid" submitted with "Techno-commercial Bid (Part-I)" except prices, otherwise bid is liable for rejection 1 10 Price Bid submitted along with the bid shall remain valid up to validity of offer. Any discount / revised offer submitted by the bidder on its own shall be accepted provided it is received before the due date and time of offer submission (i.e. Part-I Bid). The discount shall be applied on pro-rata basis to all items including optional items, if any, unless specified otherwise by the bidder. Discount offered shall be valid for full duration of validity of the offer including extension of validity, if any. Unsolicited Supplementary / Revised Price Bid submitted after the due date and time of offer submission (i.e. Part-I Bid), during validity period of offer, unless asked by BHEL, shall not be considered. Withdrawal of quotation by the bidder, at any stage after its opening, may entail suitable action against such bidder by BHEL. 1.11 The consultants / firm (and any of its affiliates) shall not be eligible to participate against tender enquiry for the related goods or works or services for the same project, if they were engaged by BHEL-TBG for the consultancy services. 1.12 In case any Foreign OEM / Foreign Principal insists on engaging the services of an agent, such agent shall not be allowed to represent more than one manufacturer / supplier in the same tender. Moreover, either the agent could bid on behalf of the manufacturer / supplier or the manufacturer / supplier could bid directly but not both. In case bids are received from the manufacturer / supplier and the agent, bid received from the agent shall be ignored. 1 13 Non-conformities / errors / discrepancies in quoted prices in price bids shall be dealt as follows :- a) If, in the price structure quoted for the required goods / services / works, there is discrepancy between the unit price and the total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly, unless in the opinion of BHEL there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price corrected accordingly. b) If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected. c) If there is a discrepancy between words and figures, the amount in

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	words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above. d) If there is such discrepancy in an offer as mentioned in (a), (b) & (c) above, the same shall be conveyed to the bidder with target date upto which the bidder has to send his acceptance on the above lines and if the bidder does not agree to the decision of the BHEL, the bid is liable to be ignored. 1.14 In case the scope of the successful bidder / supplier against this tender enquiry includes Erection, Testing and Commissioning (ETC) of the equipment / material at site in addition to Supply, Purchase Order shall be placed for Supply Portion and Contract shall be separately awarded for ETC at Site Portion. General Terms and Conditions for Tender Enquiry / Contract mentioned herein shall be applicable for both Supply & ETC at Site. Additional Terms and Conditions for Tender Enquiry / Contract for Erection, Testing and Commissioning at Site "BHEL/TBG/GTC-ETC/2016 Rev. 01" shall be applicable for ETC at Site only which is to be read in conjunction with General Terms and Conditions for Tender Enquiry / Contract mentioned herein. However, any breach of either the Purchase Order or the Contract shall be deemed to be breach of the other. 1.15 Taxes and Duties payable extra as per Clause No. 2.3 in NIT, if not specified/quoted clearly as extra shall be considered as included in Ex-works Price and therefore shall not be reimbursed. Taxes and duties not payable extra as per NIT shall be deemed to be included in Ex-works Price. 1.16 If the rates for taxes and duties in respect of the quoted materials and / or services assumed by the Supplier are less than the tariff prevailing at the time of tendering, Supplier will be responsible for such under quotations. However if the rates assumed are higher than the correct rates prevailing at the time tendering, the difference will be to the credit of BHEL. Note : Representative / official deputed by the bidder to witness tender opening must produce authorization letter for the same.
2.	PRICES : 2.1 Unless specifically indicated in the NIT, all prices shall be FIRM. No enhancement of rate for whatsoever reasons unless and until asked by BHEL shall be allowed. 2.2 Unless specifically indicated in the NIT, the prices shall be on INR basis. 2.3 Unless specifically indicated in the NIT, the prices are to be quoted on FOR (Site / Destination) basis excluding GST. The break-up of prices shall be as under :- a) Ex-works Price: Ex-works price including packing & forwarding charges. b) Freight: Freight for door delivery up to destination / site / store are to be quoted separately. c) Insurance: Insurance for door delivery up to destination / site / store are to be quoted separately.

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	d) Type Test Charges: If asked in the technical specification, it is to be quoted separately for each test e) Charges for Supervision of Erection, Testing & Commissioning (ETC) at Site: To be quoted separately if specified in NIT/Price Schedule f) Charges for Testing & Commissioning at Site: To be quoted separately if specified in NIT/Price Schedule g) Charges for Erection, Testing & Commissioning at Site: To be quoted separately if specified in NIT/Price Schedule h) Training Charges: To be quoted separately if specified in NIT/Price Schedule 2.4 GST rates along with HSN/SAC code as applicable on Sr No (a) to (h) above is to be mentioned separately in percentage in both un-priced bid and price bid. Note : i) Unless otherwise specified in the NIT, the purchase order shall be placed on Ex-works basis for Indian bidders. ii) Prices quoted by Indian bidders shall be in Indian Rupees only. iii) In case Supervision of Erection, Testing & Commissioning (ETC) at Site or Testing & Commissioning at Site or Erection, Testing & Commissioning at Site is also in scope of the bidder along with supply, bidder has to ensure that prices quoted for such services also are in line with special terms & conditions of the NIT, if any. iv) Unless otherwise specified in the NIT, Unloading at Site / Destination shall not be in the scope of the supplier. v) Prices in respect of Sr No (a) to Sr No (h) of Clause 2.3 above are to be quoted inclusive of all taxes & Duties, charges, Levies, royalty etc. if any, excluding GST.
3.	TERMS OF PAYMENT : 3.1 For Supply only in scope of the supplier 100% of payment within 60 days from the date of receipt of complete invoice along with documents in 3 sets (original + 2 copies) as follows : • LR / GR duly endorsed by BHEL Site Official • Material Receipt Certificate issued by BHEL Site Official • GST Compliant Tax Invoice • Packing List (Case-wise) • Copy of Transit Insurance Certificate from underwriters. • Material Inspection Clearance Certificate (MICC) issued by BHEL Quality Management • Guarantee Certificate • Copy of Performance Bank Guarantee (PBG) • Certificate of acceptance of Type Test Reports issued by BHEL Engineering Management wherever specifically mentioned in the Purchase Order 3.2 For Supply where Supervision of Erection, Testing & Commissioning (ETC) at Site is in scope of the supplier or Supply where Testing & Commissioning at Site is in scope of the supplier

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	a) 95% of payment within 60 days from the date of receipt of complete invoice along with documents in 3 sets (original + 2 copies) as follows : · LR / GR duly endorsed by BHEL Site Official. · Material Receipt Certificate issued by BHEL Site Official. · GST Compliant Tax Invoice · Packing List (Case-wise) · Copy of Transit Insurance Certificate from underwriters. · Material Inspection Clearance Certificate (MICC) issued by BHEL Quality Management · Guarantee Certificate · Copy of Performance Bank Guarantee (PBG) · Certificate of acceptance of Type Test Reports issued by BHEL Engineering Management wherever specifically mentioned in the Purchase Order. b) 5% of payment within 60 days from the date of receipt of complete invoice along with documents in 3 sets (original + 2 copies) as follows : · Certificate of successful completion of Supervision of Erection, Testing & Commissioning at Site if it is in the scope of the supplier or Certificate of successful completion of Testing & Commissioning at Site if it is in the scope of the supplier. · Certificate of completion of final documentation as per Purchase Order / Technical Specification issued by BHEL Engineering Management
	3.3 For Supply where Erection, Testing & Commissioning (ETC) at Site is in scope of the supplier
	a) 90% of payment within 60 days from the date of receipt of complete invoice along with documents in 3 sets (original + 2 copies) as follows : · LR / GR duly endorsed by BHEL Site Official. · Material Receipt Certificate issued by BHEL Site Official. · GST Compliant Tax Invoice · Packing List (Case-wise) · Copy of Transit Insurance Certificate from underwriters. · Material Inspection Clearance Certificate (MICC) issued by BHEL Quality Management · Guarantee Certificate · Copy of Performance Bank Guarantee (PBG) · Certificate of acceptance of Type Test Reports issued by BHEL Engineering Management wherever specifically mentioned in the Purchase Order b) 10% of payment within 60 days from the date of receipt of complete invoice along with documents in 3 sets (original + 2 copies) as follows : · Certificate of successful completion of Erection, Testing & Commissioning at Site issued by BHEL Site Official / Construction Management · Certificate of completion of final documentation as per Purchase Order / Technical Specification issued by BHEL Engineering Management
	3.4 For Type Test Charges 100% payment along with applicable GST within 60 days from the date of receipt of complete GST compliant Tax invoice along with copy of Certificate of acceptance of Type Test Reports issued by BHEL Engineering Management in 3 sets (original + 2 copies) on completion of delivery (at site, if F&I is in scope of

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	supplier) of main supplies (excluding spares) for which Type Tests are applicable. List of main supplies (excluding spares) for which Type Tests are applicable shall be certified by BHEL Engineering Management 3.5 For Charges for Supervision of Erection, Testing & Commissioning at Site 100% payment along with applicable GST within 60 days from the date of receipt of complete GST compliant Tax invoice along with certificate of successful completion of Supervision of Erection, Testing & Commissioning at Site issued by BHEL Site Official / Construction Management in 3 sets (Original + 2 copies). 3.6 For Charges for Testing & Commissioning at Site 100% payment along with applicable GST within 60 days from the date of receipt of complete GST compliant Tax invoice along with certificate of successful completion of Testing & Commissioning at Site issued by BHEL Site Official / Construction Management in 3 sets (Original + 2 copies). 3.7 For Training Charges 100% payment along with applicable GST within 60 days from the date of receipt of complete GST compliant Tax invoice along with certificate of completion of training issued by BHEL Engineering Management in 3 sets (original + 2 copies). Note : i) Supplier has to submit invoice(s) as per PO or approved billing break-up of prices (if applicable as per NIT). ii) In case of supplies for overseas project, Material Receipt Certificate issued by BHEL Authorized Representative shall also be acceptable. iii) In case of Transit Insurance under Open Insurance Policy, Intimation / Declaration of Transit Insurance as per terms of the relevant Open Insurance Policy along with copy of Open Insurance Policy from underwriters shall also be acceptable. iv) Supplier has to ensure commencement of transit insurance from the date not later than LR / GR date. v) Supplier has to submit Tax Invoice(s). Supplier should ensure that Tax Invoice should comply all statutory requirements under GST Law to enable BHEL to avail input credit vi) MSMED Act, 2006 and the rules made thereunder as amended from time to time shall be applicable for release of payment to suppliers qualified & registered as Micro & Small Enterprises based on documents mentioned in the NIT for MSME vii) Supplier has to submit PBG (as per BHEL format) & Guarantee Certificate as per PO terms viii) In case any shortages and / or damages in supplies, an amount calculated

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	Order / Contract or any other Purchase Order / Contract executed by the supplier / contractor. Note : i) In case of Illumination System, items viz. Lamps, Tubes, Ballast, Starters, Capacitors & Fuses will not be under Guarantee after commissioning. ii) In addition to the above guarantee period, Extended Guarantee / Warranty, if any, shall be as per NIT / Technical Specifications. iii) In case offer of agent of Foreign OEM / Foreign Principal is considered, as per Clause No. 1.12 above, Guarantee as mentioned above has to be provided by the Foreign OEM / Foreign Principal also.
6.	LATENT DEFECT : Liability for latent defects shall be for defects inherently lying within material or arising out of design deficiency which does not manifest itself during guarantee period but later and shall be limited to five years from the expiry of the guarantee period.
7.	PERFORMANCE BANK GUARANTEE (PBG) : Supplier shall arrange to submit Performance BG / Deposit on a non-judicial stamp paper of appropriate value along with first invoice or within 60 days from placement of Purchase Order (PO) whichever is earlier, in line with one of the applicable options as follows :- <u>Option "A"</u> A single rolling PBG for Rs. 50 Lakhs initially valid for 18 months with claim period of 3 months extra over and above 18 months for all the Purchase Orders being executed for Transmission Business Group, BHEL. However, validity of the PBG shall be extended till 18 months from the date of last delivery with 3 months claim period extra over and above 18 months. Single Rolling PBG option shall not be applicable in case Ex-works value of the PO at the time of placement of PO exceeds Rs. One Crore. <u>Option "B"</u> PBG for 10% of the total Ex-works PO value, valid for 18 months from the date of last delivery with claim period of 3 months extra over and above 18 months. Ex-works PO value at the time of placement of PO shall be considered for calculation of the PBG amount. <u>Option "C"</u> In case the total Ex-works PO value at the time of placement of PO does not exceed Rs. Ten Lakhs, interest free Deposit of 10% of the total Ex-works PO value at the time of placement of PO in form of Demand Draft favouring "Bharat Heavy Electricals Limited" and payable at New Delhi / Delhi / Noida shall also be acceptable to BHEL in lieu of PBG, which shall be released after expiry of 21 months from the date of last delivery after deduction, if any, within 60 days from receipt of invoice in 3 sets (original + 2 copies) to be submitted by the supplier. Note : i) The Bank Guarantee shall be from any bank as per Annexure for List of Banks (32 Nos.). The original PBG should be sent by issuing Bank directly to AGM (Finance), TBG, BHEL, Noida. ii) Extension of validity of the PBG in original, as per above clause, should be sent by issuing Bank directly to AGM (Finance), TBG, BHEL, Noida at least 45 days before expiry of validity of the PBG. iii) Unless otherwise specified in the NIT, deviation taken for non-submission of PBG / Deposit, as applicable, shall not be accepted.

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	based on comments against Material Receipt Certificate issued by the BHEL Site Official shall be withheld from the supply payment against 3.1(a) or 3.2(a) above to be deemed fit by BHEL subject to a minimum of 10% of the total ex-works value of the invoice corresponding to the LR / GR against which any shortages and / or damages are reported. The withheld amount shall be released after the shortages and / or damages in supplies are supplied / replenished against Certification by BHEL Site Official. ix) Payment of GST component shall be made only if vendor has deposited the Tax and credit for the same is reflected in GSTN (GST Network). In case credit of the same is not reflected in GSTN, vendor may alternatively furnish BG of GST Amount for a period valid for not less than 1 month. In case of disallowance of credit / non reflection of credit in GSTN, amount will be recovered from supplier along with applicable Interest, penalty etc from any of his dues. x) If GST is payable by BHEL on reverse Charge Mechanism basis, vendor should ensure the submission of GST compliant Tax invoice immediately on dispatch/ performance of service. In case of non-compliance any additional charges towards interest, penalty etc, will be to vendors account. xi) TDS under GST Act, if applicable, shall be deducted unless Exemption Certificate If applicable, from the appropriate authority is furnished to BHEL along with Invoice.
4.	INTEREST LIABILITY : In case of any delay in payment due to any reason, BHEL shall not pay any interest on delayed payment. Also, no interest shall be payable by BHEL on the bank guarantee / deposit amount or balance payment or any other money which may become due owing to difference or misunderstanding or any dispute before any quasi judicial authority between BHEL and the Supplier / Contractor.
5.	GUARANTEE : The equipment / material supplied and services rendered (if applicable) shall be guaranteed to be free from all defects and faults in design & engineering, material, workmanship & manufacture and in full conformity with the Purchase Order / Contract, Technical Specifications & approved drawings / data sheets, if any, for 18 months from the date of last delivery or 12 months from the date of commissioning, whichever is earlier. Wherever Erection, Testing & Commissioning at Site are also in the scope of the Supplier, the guarantee period shall be 18 months from the date of last delivery or 12 months from the date of commissioning, whichever is later. The defective equipment / material / component shall be replaced free of cost at site. Freight & Insurance during transit shall also be in the scope of the supplier / contractor. Any expenditure for dismantling and re-erection of the replaced equipment / material / component shall be to supplier's / contractor's account. All replacements during the guarantee period shall be delivered at site promptly and satisfactorily within a period not more than 45 days from the date of reporting the defect / rejection etc. In the event of the supplier / contractor failing to replace the defective equipment / material / component within the time period mentioned above, BHEL may proceed to undertake the replacement of such defective equipment / material / component at the risk and cost of the supplier / contractor without prejudice to any other rights under the contract and recover the same from PBG / other dues of this Purchase

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	iv) Supplier has to confirm one of the applicable options for submission of PBG / Deposit before placement of PO. v) In case of non-submission PBG / Deposit, as applicable, BHEL reserve the right for Risk Purchase as per terms of the NIT and impose Suspension of Business Dealings with the Supplier / Contractor. vi) BHEL reserve the right to encash the Bank Guarantee and forfeit the amount in the event of any default, failure or neglect on part of the Supplier in fulfilment of performance of the Purchase Order. vii) Value of the Bank Guarantee (at the time of submission) shall remain unchanged for any subsequent variations in Purchase Order value up to $\pm 20\%$. Beyond this variation of $\pm 20\%$, the Supplier shall arrange to enhance or may reduce the value of the Bank Guarantee accordingly for the total variation promptly. viii) Vendor to ensure submission of Certificate of Final Documentation /Confirmation regarding Non applicability of Final Documentation, as the case may be, as referred in clause No 9 regarding Final Documentation. BG shall be released only after submission of the same to BHEL TBMM.
8.	SUBMISSION OF DRAWINGS / DOCUMENTS FOR APPROVAL : Supplier shall submit the master document list within 7 days from date of Purchase Order / Contract, unless otherwise specified in the NIT, with planned dates for submission which shall be in line with activity schedule as per Purchase Order / Contract and shall be finalized with BHEL Engineering Management. Date of first submission of drawings / documents shall be certified by BHEL Engineering Management after the receipt of applicable drawings / documents (e.g. project specific cover sheet, GTP, OGA drawings, schemes, type test reports etc.) by BHEL. During detailed engineering stage, necessary hard copies of the engineering drawings / documents shall also be submitted by the supplier as per the Purchase Order / Contract requirement. The supplier shall also submit the packing drawings as per technical specifications. In case item(s) offered require any interface details of other item (not in the scope of supplier & required for operating the equipment), the supplier has to submit interfaces schedule along with submission of engineering drawings / documents. It shall be responsibility of the supplier to get the details of the interfaced item from BHEL before manufacturing to avoid any mismatch at site.
9.	FINAL DOCUMENTATION : Final documentation as called in the Technical /contract specification is to be submitted within 3 months from the date of first delivery of respective equipment, item/material. After submission of Final Documentation, BHEL Engineering Management (TBEM) will issue a Certificate of Completion of Final Documentation. Wherever Final Documentation is not applicable, BHEL Engineering Management (TBEM) will issue confirmation regarding the same, Vendor to submit the Certificate of Final Documentation /Confirmation regarding Non applicability of Final Documentation, as the case may be, to BHEL TBMM. In case of Non Submission of Certificate of Final Documentation /Confirmation regarding Non applicability of Final Documentation, BG will be liable for encashment.
10.	INSPECTION : BHEL / customer / third party shall inspect equipment / material before despatch. Stage inspection during manufacturing may also be carried out. Material to be despatched only after getting Material Despatch Clearance Certificate (MDCC) / MICC issued by BHEL. Supplier shall send inspection call on prescribed format / web site only, with an advance notice of 15 days. Supplier to ensure submission of all routine / acceptance test reports, inspection

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	reports and all other documents related to inspection, immediately to BHEL. BHEL representative is authorised to carry out audits along with Third Party Inspection Agency at vendor's / supplier's works before clearing the items for despatch.
11.	DESPATCH DOCUMENTS : Despatch documents to be immediately sent to BHEL on despatch are as follows :- • Copy of Invoice • Copy of LR / GR in case of Indian suppliers or BL / AWB in case of foreign suppliers • Copy of Packing List (Case-wise) • Copy of Transit Insurance Certificate from underwriters • Copy of Guarantee Certificate
12.	DELIVERY PERIOD : Delivery / Completion requirement shall be mentioned in the NIT. Bidder to specify best delivery / completion period possible in weeks from the date of LOI / PO as per activity schedule for consideration by BHEL. Time required for type test, if applicable, is to be separately indicated. Note . LR / GR date or invoice date (whichever is later) for indigenous supplies and BL / AWB date for FOB / CIF (if applicable) contracts shall be considered as delivery date.
13.	LIQUIDATED DAMAGES FOR DELAYED DELIVERY: In case of delay in execution of Purchase Order beyond the contractual delivery time, an amount of 0.5% of the total Purchase Order value for supply (incl. taxes and duties, freight & insurance as applicable) per week of delay or part thereof subject to a maximum of 10% of the total Purchase Order value for supply (incl. taxes and duties, freight & insurance as applicable) shall be deducted as Liquidated Damages (LD) along with applicable GST (if any) on LD. However, in case of staggered (lot-wise) contractual delivery schedule, an amount of 0.5% of the total Purchase Order value for supply (incl. taxes, duties, freight & insurance as applicable) of delayed lot per week of delay or part thereof subject to maximum of 10% of the total Purchase Order value (Incl taxes, duties, Freight & Insurance as applicable) shall be deducted as Liquidated Damages (LD) along with applicable GST (if any) on LD. Note : i) In case of any amendment / revision in PO /WO, the LD shall be linked to the amended / revised Purchase Order / Contract value and delivery / completion time / schedule, if applicable. ii) LR / GR date or invoice date (whichever is later) for indigenous supplies and BL / AWB date for FOB / CIF (if applicable) for imported supplies shall be treated as the date of dispatch for levying LD as above. iii) However, for indigenous supply, if time period between date of receipt of material at site / destination by Site Official & the date of LR / GR or invoice (whichever is later) is more than 30 days, where distance from place of despatch as per LR / GR is upto 1000 Kms or if time period between date of receipt of material at site / destination by Site Official & the date of LR / GR or invoice (whichever is later) is more than 45 days, where distance from place of despatch as per LR / GR is more than 1000 Kms, such excess period shall also be considered for LD purpose. iv) If, as per supplier, delay is not attributable to the supplier, delay analysis with documentary evidence may be submitted by the supplier at the earliest but not

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	later than six months from the end of the financial year in which the payment is withheld. Based on the above details / documents submitted by the supplier, BHEL shall take final decision and if considered appropriate by BHEL, withheld amount (full or part as the case may be) shall be released, otherwise, full or balance withheld amount shall be treated as deduction of Liquidated Damages (LD) towards delayed delivery.
14.	VALIDITY OF OFFER : The offer shall be valid for 120 days from the due date of opening of tender (i.e. techno-commercial bid unless otherwise specified in the NIT). Prices of Spares, wherever they optional items, shall be valid till two years from the date of placement of PO.
15.	ACCEPTANCE / REJECTION OF TENDER : BHEL reserve the right to reject in full or part, any or all tender without assigning any reason thereof. BHEL also reserve right to vary the quantities as mentioned in the NIT. Acceptance of offer is subject to vendor approval by customer before opening of price bid. BHEL shall not be bound by any power of attorney granted by tenderer or by changes in composition of the firm made subsequent to award of order / contract. BHEL may however recognize such power of attorney and changes after obtaining proper legal advice, cost of which will be chargeable to the seller / contractor concerned. If the tenderer deliberately gives wrong information, BHEL reserves the right to reject such an offer at any stage or cancel the order / contract, if awarded, and forfeit the security deposit and bank guarantee.
16.	DEVIATION : The bids having deviation(s) w.r.t. tender are liable for rejection. However, BHEL, at its discretion, may load the prices for evaluation of offer with prior intimation to bidder.
17.	TENDER EVALUATION : Comparative statement shall be prepared and evaluated on total cost basis at destination/site (as per terms of NIT) considering overall quantity indicated in NIT unless contrary to same is specifically mentioned in the tender enquiry / NIT. Total cost for this purpose shall include cost of scope of work as mentioned in NIT along with applicable taxes & duties, and other services etc. (if applicable). GST input credit available to BHEL shall be reduced from prices while determining L1 status. In case all bidders are foreign & Port of Import (destination port) is same for all the bidders, evaluation of offers shall be done on CIF (Port of Import) basis. Otherwise, evaluation of offers shall be done on the basis of delivered cost at site /destination to BHEL. Further, in case of foreign bidders, marine freight & insurance are to be quoted separately & the purchase order may be placed on FOB basis with an option for delivery on CIF / CFR basis, if required, later. In case of foreign bidders, Exchange Rate (TT selling rate of State Bank of India) as on date of tender opening (Part-I Bid in case of two part bid) shall be considered. If the relevant day happens to be a bank holiday, then the forex rate as on the previous bank (SBI) working day shall be taken for tender evaluation.
18.	LOADING CRITERIA : List of permissible deviations & loading criteria thereof are as follows :- a) Payment Terms Base rate of SBI (as applicable on the date of bid opening / techno-commercial bid opening in case of two part bids) + 6% shall be considered for loading for the period of relaxation sought by bidder(s) against terms of payment in the NIT. b) Liquidated Damages (LD) for Delayed Delivery

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	Loading on LD clause shall be to the extent to which it is not agreed to by the bidder (at offered value) c) In case of foreign bidders, if the quoted prices is on CIF basis only, it shall be loaded to arrive at total FOR (Site / Destination) price, as applicable, by factors as follows :- i) Port handling / clearing charges: @ 1% of CIF value to arrive at Customs Assessable Value. ii) Custom Duty (including CVD & SAD) as per NIT prevailing on date of price bid opening. iii) Inland Freight & Transit Insurance: @ 5% of CIF value where distance between site / destination and Port of Discharge is upto 1000 Kms or @ 7% of CIF value where distance between site / destination and Port of Discharge is more than 1000 Kms Note : Additional deviations (if considered acceptable by BHEL) & the loading criteria shall be communicated to all the qualified bidders before price bid opening.
19.	ARBITRATION : In the event of any dispute emanating from and relating to this contract, the matter shall be referred to the sole arbitration of the person appointed by the competent authority of BHEL. Subject to aforesaid, the provisions of "The Arbitration and Conciliation Act, 1996" and the rules made thereunder as amended from time to time in India shall apply to the arbitration proceedings. The venue of arbitration shall be in New Delhi. Further there shall be no claim for any pre-reference or pendente-lite interest on the claims and any claim for such interest made shall be void. However, in case of contract with Public Sector Enterprise / Undertaking (PSE/PSU) or Govt. Dept., the extant guidelines of Govt. of India shall be followed.
20.	LEGAL SETTLEMENT : Indian Courts at New Delhi / Delhi shall have exclusive jurisdiction to decide the dispute, if any, arising out of or in respect of the contract(s) to which these conditions are applicable. Contract, including all matters connected with contract, shall be governed by the Indian Law, both substantive and procedural, for the time being in force including modification thereto.
21.	SUB-CONTRACTING : In case further subcontracting of BHEL Purchase Order / Contract or part thereof is envisaged by supplier, the same can be done after written permission is obtained from BHEL. However it shall not absolve the Supplier / Contractor of the responsibility of fulfilling BHEL Purchase Order / Contract requirements. In case of subcontracting of Purchase Order / Contract awarded by BHEL or part thereof without such permission, BHEL reserve the right to cancel the Purchase Order / Contract and source such material / component / equipment / system from any other agency at the risk and cost of the Supplier / Contractor. If Supplier / Contractor is an individual or proprietary concern and the individual or the proprietor dies or the partnership is dissolved or substantially affected, then unless BHEL is satisfied that legal representative of individual Supplier / Contractor or proprietor of proprietary concern and surviving partners of partnership firm are capable of carrying out and completing the Purchase Order / Contract, BHEL shall be entitled to cancel the Purchase Order / Contract as to its incomplete portion and without being in any way liable to payment of any compensation to legal representative of Supplier / Contractor and / or to surviving partners of Supplier's / Contractor's firm on account of cancellation of the Purchase Order / Contract. Decision of BHEL that legal representatives of deceased Supplier / Contractor or

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	surviving partners of the Supplier's / Contractor's firm cannot carry out and complete the Purchase Order / Contract shall be final and binding on the parties hereto. Terms and Conditions shall not get affected in case of de-merger / amalgamation / taking-over / re-constitution etc.
22.	RISK PURCHASE : In case the Supplier / Contractor fails to supply or fails to comply with terms & conditions of the Purchase Order / Contract or delivers equipment / material not of the contracted quality or fails to adhere to the contract specifications or fails to perform as per the activity schedule and there are sufficient reasons even before expiry of the delivery / completion period to justify that supplies shall be inordinately delayed beyond contractual delivery / completion period, BHEL reserve the right to cancel the Purchase Order / Contract either in whole or in part thereof without compensation to Supplier / Contractor and if BHEL so desires, may procure such equipment / material / items not delivered or others of similar description where equipment / material / items exactly complying with particulars are not readily procurable in the opinion of BHEL which is final and in such manner as deemed appropriate, at the risk and cost of the Supplier / Contractor and the Supplier / Contractor shall be liable to BHEL for any excess cost to BHEL. However, the Supplier / Contractor shall continue execution of the Purchase Order / Contract to the extent not cancelled under the provisions of this clause. Recovery amount on account of purchases made by BHEL at the risk and cost of Supplier / Contractor shall be the difference of total value of new Purchase Order (PO) value and total value of old Purchase Order for applicable items, where the total value of new PO is more than total value of old PO for applicable items, plus additional 15% of the total ex-works value of new PO as overheads. The Supplier / Contractor shall on no account be entitled to any gain on such risk & cost purchase. In case the purchase order (PO) value of the new PO is less than the PO value of the old PO, 15% of the total ex-works value of the new PO shall be recovered as overheads and the difference between the PO value of the old PO and the new PO shall not be considered for calculation of the recovery amount.
23.	ADJUSTMENT OF RECOVERY : Any amount payable by the Supplier / Contractor under any of the condition of this contract shall be liable to be adjusted against any amount payable to the Supplier / Contractor under any other Purchase Order / Contract awarded to him by any BHEL unit. This is without prejudice to any other action, as may be deemed fit, by BHEL.
24.	FORCE MAJEURE CONDITION : If by reason of war, civil commotion, act of god, Government restrictions, strike, lockout which are not in control of Supplier / Contractor the deliveries / services are delayed, Supplier / Contractor shall not be held responsible. If at any time during the continuance of the Purchase Order / Contract, the performance in whole or in part by either party of any obligations under the Purchase Order / Contract is prevented or delayed by reason of any war hostilities, acts of the public enemy, restrictions by Govt. of India, civil commotion, sabotage, fires, floods, explosion, epidemics, quarantine restrictions, strike, lock-outs or acts of God (hereinafter referred to as "event"), which are not in control of Supplier / Contractor or BHEL, then provided notice of the happening of such event is given by either party to the other within fifteen (15) days from the date of occurrence thereof, neither party shall by reason of such event be entitled to terminate the Purchase Order / Contract nor shall have any claim for damages against each other in respect of such non-performance and delay in performance. Performance under the Purchase Order / Contract shall be resumed immediately after such event has come to an end or

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	ceased to exist and decision of BHEL as to whether the deliveries have to be resumed or not shall be final, conclusive and binding on the parties hereto In the event of the parties hereto not able to agree that a force majeure event has occurred, the parties shall submit the disputes for resolution pursuant to the provisions hereunder, provided that the burden of proof as to whether a force majeure event has occurred shall be upon the party claiming such an event Notwithstanding above provisions, BHEL shall reserve the right to cancel the Purchase Order / Contract, wholly or partly, in order to meet the overall project schedule and make alternative arrangements for completion of delivery and other schedules.
25.	MANUFACTURING QUALITY PLAN (MQP) : Supplier to submit approved MQP in line with requirement of BHEL/customer
26.	SUPPLIER PERFORMANCE MONITORING AND RATING SYSTEM : BHEL reserve the right for evaluation of Supplier Performance Rating as per Supplier Performance Monitoring and Rating System of BHEL for necessary action. Details are available at BHEL Website www.bhel.com for reference.
27.	DEALING WITH BANNED SUPPLIERS / CONTRACTORS IN BHEL : Offers of the bidders, who are on the banned list, as also the offers of the bidders who engage the services of the banned firms, shall be rejected. The list of banned firms is available on BHEL website www.bhel.com for reference.
28.	ORDER OF PRECEDENCE : The order of precedence shall be as follows :- - Special Terms & Conditions (STC) for Tender Enquiry / Contract, if any - General Terms & Conditions (GTC) for Tender Enquiry / Contract & Additional General Terms & Conditions (GTC) for Tender Enquiry / Contract for Erection Testing & Commissioning (ETC) at Site, if applicable Provisions in (a) above shall prevail over (b). In case of conflict, between Technical Specifications and STC / GTC, bidder to seek necessary clarifications from BHEL concerned official as specified in NIT.
29.	PACKING : Packing shall be in conformity with specifications and shall be such as to ensure prevention of damages, corrosion, deterioration, shortages, pilferage and loss in transit or storage. In case of shipment by sea or air, the packing shall be sea-worthy or air-worthy respectively and of international standards. Different types of spares i.e start-up / commissioning spares and initial spares (mandatory spares and recommended O&M spares) are to be packed separately Packing List shall be submitted as per standard format along with advance set of documents for claiming payment which shall also indicate :- - Case / Packing size (as applicable). - Gross weight and net weight of each package. - Detailed contents of the package with quantity of each item separately Project, Item / Package Description, BHEL's PO No. with date & Case / Packing Mark should also be clearly mentioned on the Case / Packing and Packing List for identification. Also, Packing List must be duly signed & should include respective Invoice No. & LR No. Note : Foreign suppliers to furnish details to arrange inland transportation by BHEL, if applicable, as follows :- - No. of Packages - Size with Weight (Gross & Net) of each Package - No. of Containers with type & size required for inland transportation

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	iv) Type of Cargo (Break Bulk / LCL / FCL) v) Customs Tariff No.
30.	COLOUR CODING : Aluminium stickers are required to be attached to large components but plastic sheet tags should be tied with small components, giving details like purchase order, description of the component, quantity etc. Tags should be of the colour as follows :- a) Main equipment : Yellow or White tag b) Start-up / Commissioning spares : Blue tag c) Mandatory spares : Pink or Red tag d) Recommended / O&M spares : Green tag
31.	MICRO, SMALL & MEDIUM ENTERPRISES (MSME) : MSME Act 2006 as amended from time to time & extant regulations of Govt. of India for MSME will be applicable. Micro & Small Enterprises (MSE) can avail the intended benefits only if they submit along with the offer / bid, attested copies of either Acknowledgement of Entrepreneur Memorandum Part-II (EM-II certificate) having deemed validity (five years from the date of issue of acknowledgement in EM-II) or valid NSIC certificate or EM-II certificate along with attested copy of a CA certificate (As per BHEL format where deemed validity of EM-II certificate of five years have expired) applicable for the relevant financial year (latest audited). Date to be reckoned for determining the deemed validity will be the date of opening (for Techno-commercial Bid : Part-I in case of two part bid). Non-submission of such documents will lead to consideration of their bid at par with other bidders. No benefit shall be applicable for this enquiry if any deficiency in the above required documents are not submitted before price bid opening. If the tender is to be submitted through e-procurement portal, then the above required documents are to be uploaded on the portal. Documents should be notarized or attested (in original) by a Gazetted officer. Copy of Udyog Aadhaar Memorandum with Acknowledgement of Ministry of Micro, Small & Medium Enterprises should also be furnished.
32.	BUSINESS ETHICS / SUSPENSION OF BUSINESS DEALINGS WITH SUPPLIERS / CONTRACTORS : If any bidder / supplier / contractor during pre-tendering / tendering / post tendering / award / execution / post-execution, indulges in malpractices cheating, bribery, fraud or other misconduct or formation of cartel so as to influence the bidding process or influences the price or fails to perform or is in default without any reasonable cause etc or performs any act considered objectionable as per extant guidelines, action may be taken against such bidders/supplier/contractor as per extant "Guidelines for Suspension of Business Dealings with Suppliers/Contractors". Abridged version of same is available at BHEL website (www.bhel.com) on "Supplier Registration" Page.
33.	REVERSE AUCTION : BHEL reserve the right to go for Reverse Auction (RA) instead of opening the sealed envelope price bid, submitted by the bidder or price bid submitted by the bidder through e-procurement system. This will be decided after techno-commercial evaluation. All bidders to give their acceptance for participation in RA. Non-acceptance to participate in RA may result in non-consideration of their bids, in case BHEL decides to go for RA. In case BHEL decides to go for Reverse Auction, only those bidders who have given their unconditional acceptance to participate in RA will be allowed to participate in the Reverse Auction. Those bidders who have given their acceptance to participate in Reverse Auction will have to necessarily submit "online sealed bid" in the Reverse Auction. Non-submission of "online sealed bid" by the bidder will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines in vogue. General Terms and Conditions of RA are available at Annexure. Business Rules for

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	RA shall be sent to the bidders before conducting RA. Abridged Version of "Common Guidelines for Conducting Reverse Auction" may also be seen at BHEL website (www.bhel.com) on "Supplier Registration" Page & "Tender Notifications" Page.
34.	INTEGRITY PACT : Bidders shall have to enter into Integrity Pact with BHEL, duly signed with seal in original, if specified in NIT / RFQ failing which bidder's offer shall be liable for rejection.
35.	TERMINATION OF CONTRACT : BHEL shall have the right to cancel the Purchase Order / Contract without any financial implication to BHEL if vendor approval by end user / customer is withdrawn or in case of Suspension of Business Dealings with the Suppliers / Contractors by BHEL. BHEL shall have the right to cancel Purchase Order / Contract, wholly or in part, in case they are obliged to do so on account of any decline, diminution, curtailment or stoppage of their business and in that event, the Supplier's / Contractor's compensation claim shall be settled mutually. In case of cancellation of Purchase Order / Contract for main supply, all other associated Purchase Orders / Contracts like those for Mandatory Spares / Recommended Spares / Erection, Testing & Commissioning (ETC) / Supervision of ETC, if any, would also get cancelled.
36.	SHELF LIFE : Supplier has to inform the list of the items / sub-items which have limited shelf life like consumables or those required for the first fill and shall indicate the corresponding shelf life period in the offer. Such items / sub-items shall be manufactured / despatched only after getting formal clearance from BHEL.
37.	LIMITATION OF LIABILITY : Notwithstanding any other provisions, except in cases of wilful misconduct and / or criminal negligence / acts, a) Neither the Supplier / Contractor nor BHEL shall be liable to the other, whether in Purchase Order / Contract, tort, or otherwise, for any consequential loss or damage, loss of use, loss of production or loss of profits or interest costs, provided however that this exclusion shall not apply to any obligation of the Supplier / Contractor to pay Liquidated Damages to the BHEL and b) Notwithstanding any other provisions incorporated elsewhere in the contract, the aggregate liability of the Contractor in respect of this contract, whether under the Contract, in tort or otherwise, shall not exceed total Contract Price, provided however that this limitation shall not apply to any obligation of the Vendor to indemnify BHEL with respect to Patent Infringement or Intellectual Property Rights.
38.	SHORTAGES / DAMAGES : a) Against Supply only or Supply where Supervision of Erection, Testing & Commissioning (ETC) at Site or Supply where Testing & Commissioning at Site is in scope of the supplier : Any shortages and / or damages in supplies shall be supplied / replenished free of cost by the supplier as early as possible but not later than 30 days from the date of intimation by BHEL to the supplier. b) Against Supply where Erection, Testing & Commissioning (ETC) at Site is in scope of the supplier :

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	Any shortages and / or damages in supplies and during handling / storage, erection, testing and commissioning at site shall be supplied / replenished free of cost by the Supplier / Contractor, as early as possible, to meet the contractual completion time / schedule. Note: There shall not be any extension in the contractual delivery time / schedule due to any shortages and / or damages in supplies.
39.	VARIATION OF CONTRACT VALUE / QUANTITY VARIATION : BHEL shall have the right to variation in quantities of items within $\pm 30\%$ of the total Purchase Order / Contract value at the time of placement of PO or award of Contract on overall basis for all amendments together within two years from the date of original Purchase Order / Contract or completion of execution of the Purchase Order / Contract whichever is earlier but quantities of individual items may vary to any extent or may get deleted unless otherwise specified in the technical specifications. No compensation is payable due to variation in the quantities and the Supplier / Contractor shall be bound to accept the same the contracted prices / rates without any escalation. However, if the Purchase Order / Contract is on "Lumpsum" basis, no variation of Purchase Order / Contract value shall be admissible to the Supplier / Contractor within the scope of Purchase Order / Contract, as long as the inputs remain unchanged.
40.	STATUTORY VARIATION : GST rates prevailing at the time of dispatch of goods / completion of services shall be payable by BHEL. All other taxes, duties, charges, royalty, cess, other levies shall be deemed to be included in the Ex Works Prices / Charges quoted by bidders and no variations shall be payable in respect thereof. No other variations such as on customs duty, exchange rate, minimum wages, prices of controlled commodities, any other input etc. shall be payable by the BHEL. Notwithstanding anything above, where the actual completion of the supply / services occurs beyond the period stipulated in the Purchase Order / Contract or any extension thereof, variations referred to above, will be limited to the rates prevailing on the dates of such agreed completion periods only. For variations after the agreed completion periods, the Supplier / Contractor alone shall bear the impact for the upward revisions and for downward revisions BHEL shall be given the benefit of reduction in applicable taxes /GST. This will be without prejudice to the levy of liquidated damages for delay in delivery / completion. If new tax is introduced by Central/ State Govt / Municipality becomes directly applicable on items specified in Bill of Quantities/Purchase Order/Contract, full reimbursements shall be made provided it becomes applicable on items specified in Bill of Quantities. However, any additional tax implication due to delay in delivery, beyond the Contractual Delivery, attributable to supplier shall be borne by supplier.
41.	MODE OF PAYMENT : Payment shall be made directly to the Supplier / Contractor by BHEL through NEFT / RTGS.
42.	CONFIDENTIALITY : Supplier / Contractor shall, at all times, undertake to maintain complete confidentiality of all data, information, software, drawings & documents etc. belonging to BHEL and also of systems, procedures, reports, input documents, manuals, results and any other BHEL documents discussed and / or finalized during the course of execution of Purchase Order / Contract.
43.	INDEMNIFICATION : The Supplier / Contractor shall indemnify and keep indemnified and hold harmless BHEL and its employees and officers from and against any and all claims, suits, actions or administrative proceedings, demands, losses, damages, costs and

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	expenses and any other claim of whatsoever nature in respect of the death or injury of any person or loss of or damage to any property arising during the course and out of the execution of the Purchase Order / Contract
44.	TITLE OF GOODS : a) Ownership of the equipment / material procured in India, shall be transferred to BHEL upon loading on to the mode of transport to be used for transportation of the said equipment / material from the works to the site / destination and upon endorsement of the dispatch documents in favour of BHEL. b) Ownership of the equipment / material to be imported into the country where the site is located, if not procured in India, shall be transferred to BHEL upon loading on the mode of transport to be used for transportation of the equipment / material from the country of origin to that country / destination and upon endorsement of despatch document in favour of BHEL. c) Notwithstanding the transfer of ownership of the equipment / material, the responsibility for care and safe custody thereof together with the risk of loss or damage thereto for whatsoever reason shall remain with the Supplier.
45.	COMPLIANCE OF STATUTORY REQUIREMENTS : The vendor shall comply with all State and Central Laws / Acts, Statutory Rules, Regulations etc., as may be enacted by the Government during the tenure of the Purchase Order / Contract and having in force and applicable to the Purchase Order / Contract and nothing shall be done by the Supplier / Contractor in contravention of any Law / Act and / or Rules / Regulations, thereunder or any amendment thereof. The Supplier / Contractor shall pay all taxes, fees, licence charges / deposits, duties, tolls, royalty, commissions or other charges which may be levied on account of any of his operations connected with the Purchase Order / Contract. In case BHEL is constrained to make any of such payments, BHEL shall recover the same from the Supplier / Contractor either from moneys due to him or otherwise as deemed fit.
46.	ACCEPTANCE OF ORDER : Supplier should acknowledge and accept the Letter of Award / Purchase Order issued by BHEL within 7 days of the issue of Letter of Award / Purchase Order. In case of any discrepancy / typographical error in issue of Purchase Order / Contract, the agreed terms & conditions, scope of work, rates / prices for placement of PO / award of contract shall be applicable and BHEL reserves the right to issue amendment(s) to PO / Contract for correction of discrepancies / typographical errors in the PO / Contract at a later date.
47.	FRAUD PREVENTION POLICY : The Bidder along with its associate / collaborators / sub-contractors / sub-vendors / consultants / service providers shall strictly adhere to BHEL Fraud Prevention Policy displayed on BHEL website http://www.bhel.com and shall immediately bring to the notice of BHEL Management about any fraud or suspected fraud as soon as it comes to their notice.

Signature of Bidder (Authorized Signatory) with Date & Seal

Item Name :	400KV GIS,220KV GIS and 132KV GIS
Enquiry No. :	278G042, date :31/10/2018
Project :	UPPTCL RASARA(BALLIA)
Type of project	Transmission / Thermal (Coal or Gas) / Hydro
Applicable percentage of Local Content	64%

Certificate from statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of Local Content, in line with PPP-MII order, if applicable [to be submitted on the letter head of the issuer.]

Dear Sir,

We have read and understood the provisions of “Public Procurement (Preference to Make in India) Order, 2017” dated 15/06/2017, its revision dated 28/05/2018 and any subsequent modifications/Amendments, if any [hereinafter, “PPP-MII Order”] issued by Department of Industrial Policy and Promotion (DIPP), Ministry of Commerce and Industry, Government of India.

In line with the provisions of the PPP-MII Order, M/s.[Enter the name of the Bidder] [hereinafter, “Local Supplier”] have submitted an Affidavit of self-certification to M/s. Bharat Heavy Electricals Limited [hereinafter, BHEL] regarding Local Content in Goods/Services/Works to be supplied by the Local Supplier for (Enter the name of the Equipment/Item for Project).], wherein they have agreed to abide by the terms and conditions of the PPP-MII Order.

Further, in line with the PPP-MII Order, the statutory auditor or cost auditor of the company (in the case of companies) or a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) shall provide a certificate giving the percentage of Local Content in the Goods/Service/Works to be supplied by the Local Supplier for (Enter the name of the Equipment/Item for Project).

Accordingly, we, the Statutory Auditor(s) / Cost auditor (applicable in the case of companies) of the Local Supplier / a practicing cost accountant or practicing chartered accountant (applicable in respect of suppliers other than companies), certify that the Local Content as defined under the PPP-MII, in the Goods/Service/Works to be supplied by the Local Supplier for (Enter the name of the Equipment/Item for Project). is percentage [specify the percentage of Local content].

For and on behalf of,

Date:

<<Statutory Auditor's/ Cost auditor's/ Cost accountant's/ Chartered accountant's attestation>>

Firm Reg No. Membership No.

Note: This is a guiding format. In case the bidder submits the certificate in a format different from the above, the same may be considered provided it meets the intent and purpose, as may be ascertained by BHEL.

INTEGRITY PACT**Between**

Bharat Heavy Electricals Ltd. (BHEL), a company registered under the Companies Act 1956 and having its registered office at "BHEL House", Siri Fort, New Delhi - 110049 (India) hereinafter referred to as "The Principal", which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the ONE PART

and

_____, (description of the party along with address), hereinafter referred to as "The Bidder/ Contractor" which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the OTHER PART

Preamble

The Principal intends to award, under laid-down organizational procedures, contract/s for

_____. The Principal values full compliance with all relevant laws of the land, rules and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder(s)/ Contractor(s).

In order to achieve these goals, the Principal will appoint Independent External Monitor(s), who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section 1- Commitments of the Principal

1.1 The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:-

1.1.1 No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

1.1.2 The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/ additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.

1.1.3 The Principal will exclude from the process all known prejudiced persons.

1.2 If the Principal obtains information on the conduct of any of its employees which is a penal offence under the Indian Penal Code 1860 and Prevention of Corruption Act 1988 or any other statutory penal enactment, or if there be a substantive suspicion in this regard, the Principal will inform its Vigilance Office and in addition can initiate disciplinary actions:

Section 2 - Commitments of the Bidder(s)/ Contractor(s)

2.1 The Bidder(s)/ Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.

- 2.1.1 The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm, offer, promise or give to the Principal or to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material, immaterial or any other benefit which he/ she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.
- 2.1.2 The Bidder(s)/ Contractor(s) will not enter with other Bidder(s) into any illegal or undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.
- 2.1.3 The Bidder(s)/ Contractor(s) will not commit any penal offence under the relevant Indian Penal Code (IPC) and Prevention of Corruption Act; further the Bidder(s)/ Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
- 2.1.4 Foreign Bidder(s)/ Contractor(s) shall disclose the name and address of agents and representatives in India and Indian Bidder(s)/ Contractor(s) to disclose their foreign principals or associates. The Bidder(s)/ Contractor(s) will, when presenting his bid, disclose any and all payments he has made, and is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.

2.2 The Bidder(s)/ Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

2.3 The Bidder(s)/ Contractor(s) shall not approach the Courts while representing the matters to IEMs and will await their decision in the matter.

Section 3 - Disqualification from tender process and exclusion from future contracts

If the Bidder(s)/ Contractor(s), before award or during execution has committed a transgression through a violation of Section 2 above, or acts in any other manner such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s)/ Contractor(s) from the tender process or take action as per the separate "Guidelines on Banning of Business dealings with Suppliers/ Contractors", framed by the Principal.

Section 4 - Compensation for Damages

4.1 If the Principal has disqualified the Bidder from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover the damages equivalent Earnest Money Deposit/ Bid Security.

4.2 If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to section 3, the Principal shall be entitled to



demand and recover from the Contractor liquidated damages equivalent to 5% of the contract value or the amount equivalent to Security Deposit/ Performance Bank Guarantee, whichever is higher.

Section 5 - Previous Transgression

- 5.1 The Bidder declares that no previous transgressions occurred in the last 3 years with any other company in any country conforming to the anti-corruption approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.
- 5.2 If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

Section 6 - Equal treatment of all Bidders/ Contractors / Sub-contractors

- 6.1 The Principal will enter into agreements with identical conditions as this one with all Bidders and Contractors. In case of sub-contracting, the Principal contractor shall be responsible for the adoption of IP by his sub-contractors and shall continue to remain responsible for any default by his sub-contractors.
- 6.2 The Principal will disqualify from the tender process all bidders who do not sign this pact or violate its provisions.

Section 7 - Criminal Charges against violating Bidders/ Contractors /Subcontractors

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the Vigilance Office.

Section 8 - Independent External Monitor(s)

- 8.1 The Principal appoints competent and credible Independent External Monitor for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.
- 8.2 The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the CMD, BHEL.
- 8.3 The Bidder(s)/ Contractor(s) accepts that the Monitor has the right to access without restriction to all contract documentation of the Principal including that provided by the Bidder(s)/ Contractor(s). The Bidder(s)/ Contractor(s) will grant the monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his contract documentation. The same is applicable to Sub-contractor(s). The Monitor is under contractual obligation to treat the information and documents of the Bidder(s)/ Contractor(s) / Sub-contractor(s) with confidentiality in line with Non- disclosure agreement.
- 8.4 The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the contract provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.



- 8.5 The role of IEMs is advisory, would not be legally binding and it is restricted to resolving issues raised by an intending bidder regarding any aspect of the tender which allegedly restricts competition or bias towards some bidders. At the same time, it must be understood that IEMs are not consultants to the Management. Their role is independent in nature and the advice once tendered would not be subject to review at the request of the organization.
- 8.6 For ensuring the desired transparency and objectivity in dealing with the complaints arising out of any tendering process, the matter should be examined by the full panel of IEMs jointly as far as possible, who would look into the records, conduct an investigation, and submit their joint recommendations to the Management.
- 8.7 The IEMs would examine all complaints received by them and give their recommendations/ views to CMD, BHEL, at the earliest. They may also send their report directly to the CVO and the Commission, in case of suspicion of serious irregularities requiring legal/ administrative action. IEMs will tender their advice on the complaints within 10 days as far as possible.
- 8.8 The CMD, BHEL shall decide the compensation to be paid to the Monitor and its terms and conditions.
- 8.9 IEM should examine the process integrity, they are not expected to concern themselves with fixing of responsibility of officers. Complaints alleging mala fide on the part of any officer of the organization should be looked into by the CVO of the concerned organisation.
- 8.10 If the Monitor has reported to the CMD, BHEL, a substantiated suspicion of an offence under relevant Indian Penal Code/ Prevention of Corruption Act, and the CMD, BHEL has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Vigilance Office, the Monitor may also transmit this information directly to the Central Vigilance Commissioner, Government of India.
- 8.11 The number of Independent External Monitor(s) shall be decided by the CMD, BHEL.
- 8.12 The word 'Monitor' would include both singular and plural.

Section 9 - Pact Duration

- 9.1 This Pact shall be operative from the date IP is signed by both the parties till the final completion of contract for successful bidder and for all other bidders 6 months after the contract has been awarded. Issues like warranty / guarantee etc. should be outside the purview of IEMs.
- 9.2 If any claim is made/ lodged during currency of IP, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged/ determined by the CMD, BHEL.

Section 10 - Other Provisions

- 10.1 This agreement is subject to Indian Laws and jurisdiction shall be registered office of the Principal, i.e. New Delhi.



- 10.2 Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.
- 10.3 If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.
- 10.4 Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
- 10.5 Only those bidders / contractors who have entered into this agreement with the Principal would be competent to participate in the bidding. In other words, entering into this agreement would be a preliminary qualification.

For & On behalf of the Principal

(Office Seal)

Place-----

Date-----

Witness:-----

(Name & Address) -----

For & On behalf of the Bidder/
Contractor

(Office Seal)

Witness:-----

(Name & Address) -----

[Handwritten signature]

Clause on IP in the tender**"Integrity Pact (IP)"**

- (a) IP is a tool to ensure that activities and transactions between the Company and its Bidders/ Contractors are handled in a fair, transparent and corruption free manner. Following Independent External Monitors (IEMs) on the present panel have been appointed by BHEL with the approval of CVC to oversee implementation of IP in BHEL.

Sl	IEM	Address	Phone & Email
1.	Shri D.R.S Chaudhary, IAS (Retd.)	E-1/164, Arera Colony Bhopal 462016 (M.P.)	dilip.chaudhary@icloud.com
2.	Mrs. Pravin Tripathi, IA & AS (Retd.)	D-243, Anupam Gardens, Lane IB, Neb Sarai, Sainik Farms, New Delhi – 110 068	pravin.tripathi@gmail.com

- (b) The IP as enclosed with the tender is to be submitted (duly signed by authorized signatory) along with techno-commercial bid (Part-I, in case of two/ three part bid). Only those bidders who have entered into such an IP with BHEL would be competent to participate in the bidding. In other words, entering into this Pact would be a preliminary qualification.
- (c) Please refer Section-8 of IP for Role and Responsibilities of IEMs. In case of any complaint arising out of the tendering process, the matter may be referred to any of the above IEM(s). All correspondence with the IEMs shall be done through email only.

Note:

No routine correspondence shall be addressed to the IEM (phone/ post/ email) regarding the clarifications, time extensions or any other administrative queries, etc on the tender issued. All such clarification/ issues shall be addressed directly to the tender issuing (procurement) department's officials whose contact details are provided below:

Details of contact person(s):

(1)
Name: Bhag Chand Kumawat
Deptt: TBMM
Address: _____
Phone: (Landline/ Mobile)
0120-6748487
Email: bkumawat@bhel.in
Fax: _____

(2)
Name: A.K. Chowdhary
Deptt: TBMM
Address: Same as mentioned in (1)
Phone: (Landline/ Mobile)
0120-6748129
Email: akchowdhary@bhel.in
Fax: _____

बी. कुमावत / B. KUMAWAT
प्रबंधक (टी.बी.एम.एम.) / Sr. Manager (T.B.M.M.)
परिवहन व्यापार समूह/Transmission Business Group
भारत हेवी इलेक्ट्रिकल्स लिमिटेड
Bharat Heavy Electricals Limited
5th Floor, Tower-A, Advant Navis IT Business Park,
Plot No.-7, Sector-142, Expressway Noida-201305 (U.P.)



MANAGEMENT INSTRUCTION

OMI 211

SITE SAFETY

REV 00

Page 1 of 5

1.0 INTRODUCTION

It is necessary to ensure safe working environment at site to all personnel in order to avoid accidents.

2.0 SCOPE

This Guideline brings out areas of work/ activities and the requirements of safety.

3.0 PROCEDURE

3.1 PREVENTIVE MEASURES

Safety measures should be taken at site in following areas.

- a) Material handling and erection
- b) During welding
- c) Against fires
- d) Against electric shocks
- e) While working at heights/ Depths

3.1.1 GENERAL

- Site –Charge shall ensure that all working areas are neat and clean. All approaches and roads are clear of obstructions.
- The sub-contractor shall take the power through proper distribution board duly earthed and with all safety fittings.

R. K. Parashar
(R. K. PARASHAR)
Head - HSE

श्री. के. पाराशर / R. K. PARASHAR
सहायक प्रबंधक (टी.बी.क्यू.ए.) / Sr. DGM (TBQM)
Transmission Business Group
Bharat Heavy Electricals Ltd.
Integrated Office Complex
Sector 16, New Delhi-110003



TRANSMISSION
BUSINESS
GROUP

MANAGEMENT INSTRUCTION

OMI 211

SITE SAFETY

REV 00

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It must not be used directly or indirectly in anyway detrimental to the interest of the company.

- Ensure that floors do not become slippery due to oil leakage/ spillage or any other reasons.
- Temporary electric supplies shall be laid, jointed, protected, insulated adequately to ensure safety from shock, sparking etc. All connection taken from the distribution board shall be through good quality IS marked wires/ cables. Laying cable/ wires on the ground should be avoided.
- Electric tools and machines used during erection are properly earthed to prevent electric shock.
- All the excavated pits must be barricaded suitably with danger tape.
- Vehicles engaged at site must have the proper permit and driver must carry the valid driving license.
- Entry of the children's in the working area should be strictly restricted.
- Adequate lighting shall be provided in work places.
- Proper and tested tools, tackles and lifting devices shall be used for carrying out the work.
- Safety shoes, hand-gloves and helmets where required shall be used by all Site-Staff and visitors while working / visiting at site.
- Site staff shall be aware of locations of various fire protection devices and trained in their immediate use in case of fire. These protection devices should all the time be in proper working condition by ensuring their regular maintenance.
- Proper shut down permits and circuit/ equipment earthing shall be ensured before working on electric lines/ equipments.
- At least one person at site and sub contractors personnel shall be trained in first-aid against wound, fire-burns and electric-shock. The First-aid-boxes should always be easily available in good condition at site.

आर के पाराशर / R. K. PARASHAR
वरिष्ठ उपमहाप्रबंधक (टी.बी.क्यू.एम.) / Sr. DGM (TBQM)
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TRANSMISSION
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SITE SAFETY

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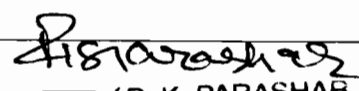
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- Site –In-Charge shall be aware of statutory aspects of accident reporting, investigation etc.
- Electric shock treatment chart shall be displayed in switchyard control room.
- Location and phone numbers of nearest medical aid centers both of general type and Intensive care unit should be displayed at visible prominent places.
- Phone number (s) of Fire-Fighting service should be prominently displayed at prominent places.

3.1.2 STORAGE

Separate storage arrangement shall be made for different items to prevent damage due to fire of costly items and wooden and other packing materials.

- Stack materials in a way to avoid congestion, leaving enough outlets for proper retrieval and attending to emergency needs.
- Transformer oil drums shall be unloaded smoothly, without dropping, and stored in open area with barricades.
- Leakage from any transformer oil drum shall be immediately stopped.
- Wooden packed cases shall be stored preferably in a shed under lock.
- Loose wooden cases, packing's are stored away and disposed-off as early as possible to avoid fire risk.
- Cable drum shall be stored in open and protected area.
- Batteries and acid shall be stored in a separate locked area exclusively earmarked for them and caution warning for acid storage shall be displayed prominently.
- Adequate fire extinguishers in proper working condition shall be provided.


र. क. पाराशर / R. K. PARASHAR
उपमहाप्रबंधक (टी.बी.क्यू.एम.) / Sr. DGM (TBQM)
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TRANSMISSION
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MANAGEMENT INSTRUCTION

OMI 211

SITE SAFETY

REV 00

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3.1.3 INSTALLATION

- Safety goggles for welding/ grinding shall be used by operators and observers while working.
- Proper safety belts shall be used by personnel working at heights. e.g. tower erection etc.

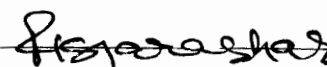
3.1.4 COMMISSIONING

- Permission from authorized engineer shall be obtained before charging the equipments/ bay.
- Any area charged or being charged shall be made known in writing to the customer, BHEL sub-contractor and other agencies working in and around the area to prevent unauthorized entry and working in such area without proper permit.
- Suitable Fire-fighting arrangement shall be made in the area where transformers, reactors etc are installed before initial energisation.
- Switchyard shall be suitably fenced and locked so that when the area is charged, entry of animals and unauthorized person is prevented.
- Proper danger sign boards shall be displayed for an electrically charged equipment/installation in English as well as the locally spoken language.

3.1.5 FIRST AID AFTER ACCIDENT

First-AID boxes and procedure shall be available at site for following accidents.

- a) Wounds/injury
- b) Burns
- c) Electric shock
- d) Fall from height


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TRANSMISSION
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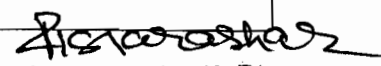
REV 00

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3.1.6 FURTHER MEDICAL TREATMENT

When further medical treatment after first-aid is required the affected personnel shall be referred and sent to Hospital for further medical treatment


आर. के. पाराशर / R. K. PANIGRAHI
वरिष्ठ उपमहाप्रबंधक (टी.बी.क्यू.एम.) / Sr. Director
Transmission Business
Bharat Heavy Electricals Ltd.
Integrated Office Complex
Lodhi Road, New Delhi-110001

(Revised Format)

DKM/SS/RK9/18

22
10/06/15



**BHARAT HEAVY ELECTRICALS LIMITED
TRANSMISSION BUSINESS GROUP
MATERIAL RECEIPT CERTIFICATE**

- a) Site:
b) LR No. with date:
c) Vehicle no.:
d) Date of receipt of material at site:
e) Material details (as mentioned below):

S.no.	Item Description	Type of Packages	Unit (MT/KM/ NO.)	Qty as per packing list	Qty Received	Remarks

Other Remarks:

Signature with date: _____

Name & Designation: _____

(With Seal)

INSPECTION REQUEST

1. Name & Address of Supplier :
2. Project :
3. Purchase Order No., Revision No. & Date :
4. Details of equipment / Material to be Inspected

Sl. No.	Material offered for Inspection	P.O. Item No.	Total Quantity Ordered	Quantity offered for Inspection	Quantity Already Cleared	P.O. value of offered qty.

5. For structure, whether BOM & Proto Corrected Drawings approved and available at place of inspection : Yes / No
6. Whether GTP/Drgs approved in Category – 1 available at place of inspection : Yes / No
7. Whether Quality Plan approved in Category – 1 available at place of inspection : Yes / No.
8. Whether all type tests approved by Engineering :Yes / No
9. (a) Place of Inspection & Address :
9. (b) Name & contact No. of Supplier rep. for inspection :
10. Sub – supplier contact person's name & contact No. :
11. Weekly off day : 12. Working Hours :
13. Date on which inspection requested (Inspection call to be raised at least 7 days prior to inspection) :
14. No of road permits required :

It is certified that the above materials shall be completed in all respects and shall have been inspected by us before the date indicated above for inspection. You are requested to please depute your representative for inspection

Signature
Name :
Contact No. :
Date :

Distribution :

1. Material Management , BHEL, New Delhi

Note :

1. Unsigned inspection request & Inspection requests not given in this format are not accepted.
2. Drawings, Quality Plan should be approved in category – I by BHEL Transmission Business Engineering Management before the inspection date. In case inspection request is given without Category – I approved documents, supplier should be obtain from BHEL Transmission Business Engineering Management in writing to this effect and attach to inspection request.

**PROFORMA FOR PERFORMANCE BANK GUARANTEE(For Brought out items)
U.P. POWER TRANSMISSION CORPORATION LIMITED**

THIS DEED OF GUARANTEE made on theday ofby the.....(herein after called "the Guarantor") of the one part IN FAVOUR of the U.P.Power Transmission Corporation Limited(herein after called "Engineer of the Contract") of the other part.

WHEREAS in accordance with the contract agreement dated the.....day of..... 20(hereinafter called "the said Contract") entered

into between the Engineer of the Contract and Messers.....a Company within the meaning of the companies Act & having its registered office at(hereinafter called "the Guarantor") the Guarantor agrees to supply to the Engineer of the Contractthe as provided in the said contract.

AND WHEREAS Guarantor wishes to furnish one guarantee in the sum of 1% value of the Contract valid for.....and reckoned from the date.....as per Tender Specification.

NOW THIS DEED WITNESS AS FOLLOWS

1. In consideration of the premises the Guarantor hereby undertakes that the Guarantor shall duly supply the aforesaid material of the correct quantity and strictly in accordance with the said contract failing which the guarantor shall pay to the Engineer of the Contract on demand such amount or amounts as the guarantor may be called upon to pay to the maximum aggregate of Rs..... being 1% or the contract value.
2. The Guarantor shall pay to the Engineer of the Contract on demand the sum under clause 1 above without demur and without requiring the Purchaser invoke any legal remedy that may be available to it to compel the guarantor to pay the same or to compel such performance by the Guarantor. Provided that where the guarantor considered the demand of the Engineer of the Contract unjustified, shall nevertheless pay the same though under protest to the Engineer of the Contract and shall not withhold payment on that account.
3. This guarantee shall come into force from the date hereof and shall remain valid for.....calendar months from the date of theof the a consignment of goods dispatched which dated of dispatch according to contract is theday ofif , however, the period of the contract is for any reason extended thereby extending the said date, and upon such extension, if the Guarantor fails to furnish a fresh or renewed Bank Guarantee for the extended period, Guarantor shall pay to the Engineer of the Contract the said sum of Rs.or such lesser sum as the Engineer of the Contract may demand.
4. The guarantee herein contained shall not be affected by any change in the constitution of the Guarantor or of the Guarantor.
5. Any account settled between the Guarantor and the Engineer of the Contract shall be conclusive evidence against the Guarantor on the amount due and shall not be questioned by the Guarantor.
6. The neglect or forbearance of the Engineer of the Contract in enforcement of payment of any moneys the payment where of is intended be here by secured or the giving of time

by the Engineer of the Contract for the payment there of shall in no way relieve the Guarantor of its liability under this deed.

7. The Engineer of the Contract and the Guarantor will be at liberty to carry out any modifications in the said contract during the terms of the said contract and extension thereof, notice of which modification to the Guarantor is hereby waived.
8. The expressions 'The Engineer of the Contract' and 'The Guarantor' shall unless there by any thing refulgent to the subject or context include their respective successors and assigns.
9. Not withstanding any thing contained above, the liability of the Guarantor hereunder is restricted to the said sum of Rsand this guarantee shall be expire on theday of20.....unless claim under the guarantee is field within six months of such dates, all claim shall laps and the guarantor shall be discharged from the guarantee.

IN WITNESS HEREOF

For and on behalf of guarantor has signed this deed, on the day and year first above written.

Witness :

1.Signed by

2. For and on behalf of the Guarantor

NOTE: This format is to be submitted in original only, duly filled in. Reproduction of this format on bidder's letter head or on other paper is not acceptable.

1.	Technical offer with detailed schedule of equipment / material and spares enclosed.	YES / NO
2.	Guaranteed Technical Particulars as per Section – 4 enclosed.	YES / NO
3.	Schedule of deviation, if any, clause wise with respect to Technical Specification enclosed.	YES / NO
4.	Standard Manufacturing Quality Plan enclosed.	YES / NO
5.	GA Drawings with dimensions and weights & foundation / fixing details enclosed.	YES / NO
6.	Drawing and Data submission schedule enclosed.	YES / NO
7.	Type Test Reports enclosed.	YES / NO
8.	Bar Chart showing the schedule indicating time required for design, manufacture, test and inspection, transport, erection, site testing and commissioning enclosed.	YES / NO
9.	Makes of all components as per technical Specification enclosed.	YES / NO

Offer Ref. :
Equipment :
Submitted by : M/s
Project Reference. :

Date

Annexure for List of Banks (32 Nos.)

Sr. No.	Name of Bank
1	Allahabad Bank
2	Andhra Bank
3	Bank of Baroda
4	Canara Bank
5	Corporation Bank
6	Central Bank
7	Indian Bank
8	Indian Overseas Bank
9	Oriental Bank of Commerce
10	Punjab National Bank
11	Punjab & Sindh Bank
12	State Bank of India
13	State Bank of Hyderabad
14	Syndicate Bank
15	State Bank of Travancore
16	UCO Bank
17	Union Bank of India
18	United Bank of India
19	Vijaya Bank
20	IDBI
21	CITI Bank N. A.
22	Deutsche Bank AG
23	The Hongkong and Shanghai Banking Corporation Limited
24	Standard Chartered Bank
25	J P Morgan
26	Axis Bank
27	The Federal Bank Limited
28	HDFC
29	Kotak Mahindra Bank
30	ICICI
31	Indusind Bank
32	Yes Bank

BANK GUARANTEE FOR PERFORMANCE SECURITY

Bank Guarantee No:

Date:

To

NAME

& ADDRESSES OF THE BENEFICIARY

Dear Sirs,

In consideration of the Bharat Heavy Electricals Limited ¹ (hereinafter referred to as the 'Employer' which expression shall unless repugnant to the context or meaning thereof, include its successors and permitted assigns) incorporated under the Companies Act, 1956 and having its registered office at _____ through its Unit at _____ (name of the Unit) having awarded to (Name of the Vendor / Contractor / Supplier) having its registered office at _____ ² hereinafter referred to as the 'Contractor/Supplier', which expression shall unless repugnant to the context or meaning thereof, include its successors and permitted assigns), a contract Ref No _____ dated _____ ³ valued at Rs _____ ⁴ (Rupees -----)/FC _____ (in words _____) for _____ ⁵ (hereinafter called the 'Contract') and the Contractor having agreed to provide a Contract Performance Guarantee, equivalent to _____ % (_____ . Percent) of the said value of the Contract to the Employer for the faithful performance of the Contract,

we, _____, (hereinafter referred to as the Bank), having registered/Head office at _____ and inter alia a branch at _____ being the Guarantor under this Guarantee, hereby, irrevocably and unconditionally undertake to forthwith and immediately pay to the Employer a maximum amount Rs ----- (Rupees -----) without any demur, immediately on a demand from the Employer, .

Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. _____.

We undertake to pay to the Employer any money so demanded notwithstanding any dispute or disputes raised by the Contractor/ Supplier in any suit or proceeding pending before any Court or Tribunal relating thereto our liability under this present being absolute and unequivocal.

The payment so made by us under this Guarantee shall be a valid discharge of our liability for payment thereunder and the contractors/supplier shall have no claim against us for making such payment.

We the _____ bank further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Contract and that it shall continue to be enforceable till all the dues of the Employer under or by virtue of the said Contract have been fully paid and its claims satisfied or discharged.

We _____ BANK further agree with the Employer that the Employer shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Contract or to extend time of performance by the said Contractor/Supplier from time to time or to postpone for any time or from time to time any of the powers exercisable by the Employer against the said Contractor/Supplier and to forbear or enforce any of the terms and conditions relating to the said Agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor/Supplier or for any forbearance, act or omission on the part of the Employer or any indulgence by the Employer to the said Contractor/Supplier or by any such matter or thing whatsoever which under the law relating to sureties would but for this provision have effect of so relieving us.

The Bank also agrees that the Employer at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor, in the first instance without proceeding against the Contractor and notwithstanding any security or other guarantee that the Employer may have in relation to the Contractor's liabilities.

This Guarantee shall remain in force upto and including _____⁶ and shall be extended from time to time for such period as may be desired by Employer.

This Guarantee shall not be determined or affected by liquidation or winding up, dissolution or change of constitution or insolvency of the Contractor/Supplier but shall in all respects and for all purposes be binding and operative until payment of all money payable to the Employer in terms thereof.

Unless a demand or claim under this guarantee is made on us in writing on or before the _____⁷ we shall be discharged from all liabilities under this guarantee thereafter.

We, _____ BANK lastly undertake not to revoke this guarantee during its currency except with the previous consent of the Employer in writing.

Notwithstanding anything to the contrary contained hereinabove:

- a) The liability of the Bank under this Guarantee shall not exceed _____⁸
- b) This Guarantee shall be valid up to _____⁹
- c) Unless the Bank is served a written claim or demand on or before _____¹⁰ all rights under this guarantee shall be forfeited and the Bank shall be relieved and discharged from all liabilities under this guarantee irrespective of whether or not the original bank guarantee is returned to the Bank.

We, _____ Bank, have power to issue this Guarantee under law and the undersigned as a duly authorized person has full powers to sign this Guarantee on behalf of the Bank.

For and on behalf of
(Name of the Bank)

Dated _____ .

Place of Issue _____ .

¹ NAME AND ADDRESS OF EMPLOYER I.e Bharat Heavy Electricals Limited

² NAME AND ADDRESS OF THE VENDOR /CONTRACTOR / SUPPLIER.

³ DETAILS ABOUT THE NOTICE OF AWARD/CONTRACT REFERENCE

⁴ PROJECT/SUPPLY DETAILS

⁵ BG AMOUNT IN FIGURES AND WORDS

⁶ VALIDITY DATE

⁷ DATE OF EXPIRY OF CLAIM PERIOD

⁸ BG AMOUNT IN FIGURES AND WORDS.

⁹ VALIDITY DATE

¹⁰ DATE OF EXPIRY OF CLAIM PERIOD

**Corporate Materials Management
BHEL New Delhi**

AA:MM:Agency
Dt. 06.08.2010

Guidelines regarding dealings with Indian Agents of Foreign Suppliers

1. BHEL shall deal directly with the foreign original equipment manufacturers (OEM)/ Foreign Principal, for all its purchases which are imported.
2. Wherever the foreign OEM/ principal desires to avail the services of an Indian Agent, the dealings with Indian Agents are to be regulated. The guidelines of BHEL in this regard have been drafted as per CVC circular no. 007/VGL/033 dated 04.12.2007.

Definition of Indian Agent

3. An Indian Agent of foreign principal is an individual, a partnership, an association of persons, a private or public Company, that carries out specific obligation(s) towards processing of BHEL tender or finalization or execution of BHEL's contract on behalf of the foreign supplier.

Recommendations

4. All NITs shall have the following terms regarding Indian agents of foreign principals:
 - i. BHEL shall deal directly with foreign vendors, wherever required, for procurement of goods. However, if the foreign principal desires to avail of the services of an Indian agent, then the foreign principal should ensure compliance to regulatory guidelines - which require mandatory submission of an Agency Agreement.
 - ii. It shall be incumbent on the Indian agent and the foreign principal to adhere to the relevant guidelines of Government of India, issued from time to time.
 - iii. The Agency Agreement should specify the precise relationship between the foreign OEM / foreign principal and their Indian agent and their mutual interest in the business. All services to be rendered by agent/ associate, whether of general nature or in relation to the particular contract, must be clearly stated by the foreign supplier/ Indian agent. Any payment, which the agent or associate receives in India or abroad from the OEM, whether as commission or as a general retainer fee should be brought on record in the Agreement and be made explicit in order to ensure compliance to laws of the country.
 - iv. Any agency commission to be paid by BHEL to the Indian agent shall be in Indian currency only.
 - v. Tax deduction at source is applicable to the agency commission paid to the Indian agent as per the prevailing rules.
 - vi. In the absence of any agency agreement, BHEL shall not deal with any Indian agent (authorized representatives / associate / consultant, or by whatever name called) and shall deal directly with the foreign principal only for all correspondence and business purposes.
 - vii. The "Guidelines for Indian Agents of Foreign Suppliers" enclosed at annexure --'A' shall apply in all such cases.

- viii. The supply and execution of the Purchase Order (including indigenous supplies/ service) shall be in the scope of the OEM/ foreign principal. The OEM/ foreign principal should submit their offer inclusive of all indigenous supplies/ services and evaluation will be based on 'total cost to BHEL'. In case OEM/ foreign principal recommends placement of order(s) towards indigenous portion of supplies/ services on Indian supplier(s)/ agent on their behalf, the credentials/ capacity/ capability of the Indian supplier(s)/ agent to make the supplies/ services shall be checked by BHEL as per the extant guidelines of Supplier Evaluation, Approval & Review Procedure (SEARP), before opening of price bids. In this regard, details may be checked as per Annexure-B (copy enclosed). It will be the responsibility of the OEM/ foreign principal to get acquainted with the evaluation requirements of Indian supplier/ agent as per SEARP available on www.bhel.com.

The responsibility for successful execution of the contract (including indigenous supplies/ services) lies with the OEM/ foreign principal. All bank guarantees to this effect shall be in the scope of the OEM/ foreign principal.

---X---

Annexure-A

Guidelines for Indian Agents of Foreign Suppliers

- 1.0 There shall be compulsory registration of agents for all Global (Open) Tender and Limited Tender. An agent who is not registered with BHEL shall apply for registration in the registration form in line with SEARP.
- 1.1 Registered agents will file an authenticated Photostat copy duly attested by a Notary Public/Original certificate of the Principal confirming the agency agreement and giving the status being enjoyed by the agent and the commission/ remuneration/ salary/ retainership being paid by the principal to the agent before the placement of order by BHEL.
- 1.2 Wherever the Indian representatives have communicated on behalf of their principals and the foreign parties have stated that they are not paying any commission to the Indian agents, and the Indian representative is working on the basis of salary or as retainer, a written declaration to this effect should be submitted by the party (i.e. Principal) before finalizing the order.
- 2.0 **Disclosure of particulars of agents/ representatives in India, if any.**
- 2.1 Tenderers of Foreign nationality shall furnish the following details in their offers:
 - 2.1.1 The Bidder(s)/ Contractor(s) of foreign origin shall disclose the name and address of the agents/ representatives in India if any and the extent of authorization and authority given to commit the Principals. In case the agent/ representative be a foreign Company, it shall be confirmed whether it is existing Company and details of the same shall be furnished.
 - 2.1.2 The amount of commission/ remuneration included in the quoted price(s) for such agents/ representatives in India.
 - 2.1.3 Confirmation of the Tenderer that the commission/ remuneration, if any, payable to his agents/ representatives in India, may be paid by BHEL in Indian Rupees only.
- 2.2 Tenderers of Indian Nationality shall furnish the following details in their offers:
 - 2.2.1 The Bidder(s)/ Contractor(s) of Indian Nationality shall furnish the name and address of the foreign principals, if any, indicating their nationality as well as their status, i.e. whether manufacturer or agents of manufacturer holding the Letter of Authority of the Principal specifically authorizing the agent to make an offer in India in response to tender either directly or through the agents/ representatives.
 - 2.2.2 The amount of commission/ remuneration included in the price (s) quoted by the Tenderer for himself.
 - 2.2.3 Confirmation of the foreign principals of the Tenderer that the commission/ remuneration, if any, reserved for the Tenderer in the quoted price(s), may be paid by BHEL in India in equivalent Indian Rupees on satisfactory completion of the Project or supplies of Stores and Spares in case of operation items.
- 2.3 In either case, in the event of contract materializing, the terms of payment will provide for payment of the commission/ remuneration, if any payable to the agents/ representatives in India in Indian Rupees on expiry of 90 days after the discharge of the obligations under the contract.
- 2.4 Failure to furnish correct and detailed information as called for in paragraph 2.0 above will render the concerned tender liable to rejection or in the event of a contract materializing, the same liable to termination by BHEL. Besides this there would be a penalty of banning business dealings with BHEL or damage or payment of a named sum.

---X---

Annexure-B

This format is applicable only to Indian Suppliers/ Agents supplying indigenous portion of Foreign Purchases.

* In all other cases, extant guidelines of SEARP, 2010 are to be followed.

SEARP (SRF) Clause No	Detail
	Name & address of the firm
1.0	Products/ Systems / Services being considered for
2.0	General Information
2.2	Name of Chief Executive
2.3	Details of authorized signatory
3.0	Ownership Information
3.1	Type of firm
3.2	Nature of Business • <i>Attach authorization letter and agency agreement from Principal (from whom capital equipment is procured)</i> • <i>Attach copy of declaration from Foreign Principal for total guarantee/ warranty of indigenous supplies</i>
3.3	Year of establishment
3.4	Year of commencement of business
4.0	Registration particulars
4.1	Permanent Account No.
4.2 / 4.3	Sales Tax / TIN no
4.6	Service tax no. (in case of E&C)
5.0	Organisational strength
6.0	Other particulars
6.1	If the company is already registered with other units
6.2	Directors/ Partners, if related to any BHEL Employee
6.9	If any Ex BHEL Personnel employed by the Company
6.12	Details of pending legal issues with BHEL
6.13	Bank Account information
9.0	Financial information
9.6	Sales/ Turnover details of last 3 years (or from the date of incorporation whichever is less)

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**FORM OF JOINT DEED OF UNDERTAKING TO BE EXECUTED BY THE PARENT
COMPANY (FORIGEN GIS MANUFACTURING COMPANY) ALONGWITH THE ITS INDIAN
SUBSIDERY (INDIAN GIS MANUFACTURING COMPANY)**

THIS DEED OF UNDERTAKING executed on this <date> by <parent company>, a company incorporated under the laws of <country>, with registered office <address> hereinafter called the " Parent Company "(which expression shall include its successors, administrators, executors and permitted assigns), the party of First Part

And

<bidder> a Company incorporated under the laws of the India and having its registered office at <address> (hereinafter called the Indian GIS Manufacturing Company (which expression shall include its successors, administrators, executors and permitted assigns) the parties of Second Part

Undertakes and executes this undertaking in favour of **Bharat Heavy Electricals Ltd**, having its office at **Transmission Business Group, Tower A, 5TH FLOOR, ADVANT NAVIS IT Business Park, Plot-7, Sector-142, Noida Expressway, Noida, Dist. G. B. Nagar, U. P. — 201305**

(hereinafter called the "Employer" which expression shall include its successors, executors and permitted assigns)

WHEREAS THE OWNER invited bids as per its **Enquiry No.:** _____; for **400KV/220KV/132KV GIS FOR UPPTCL RASARA (BALIA) PROJECT**

AND WHEREAS Bidding Documents inter-alia stipulates that the Bidder/Indian GIS Company along with its Parent Company must fulfil the Qualifying Requirements for the 400/220/132kV GIS (400/220/132 kV SF6 Gas Insulated Switchgear) Package and be jointly and severally bound and responsible to guarantee quality, timely supply, performance and Warranty obligations as specified for the equipment(s) of the 400/220/132 kV GIS (400/220/132 kV SF6 Gas Insulated Switchgear) offered in the event the Bid submitted by the Bidder is accepted by the Employer resulting in a Contract.

NOW THEREFORE THIS UNDERTAKING WITNESSETH as under:

1. In consideration of the award of Contract by the Employer to the Bidder (hereinafter referred to as the "Contract") we, the Parent Company and the Bidder/Indian GIS Manufacturer do hereby declare that we shall be jointly and severally bound unto the Employer Company

Withhapi

i.e. **Bharat Heavy Electricals Ltd (BHEL)** for the successful performance of the 400/220/132 kV GIS and shall be fully responsible jointly and severally bound and responsible to guarantee quality, timely supply, performance and Warranty obligations as specified for the equipment(s) in accordance with the Contract Specifications.

2. Without in any way affecting the generality and total responsibility in terms of this Deed of Undertaking, the Parent Company to ensure:

- (i) A valid technology transfer agreement including license to manufacture and supply in India, between the Parent Company (the technology provider) and the Indian GIS Manufacturer covering the type, size and rating of the 400/220/132 kV GIS sets specified, valid minimum up to the end of the defect liability period of the contract. The technology transfer agreement necessarily covers transfer of technological know-how for 400/220/132 kV GIS in the form of complete transfer of design dossier, design software's, drawings and documentation, quality system manuals and imparting relevant training to the personnel of the Bidder/Contractor.
- (ii) Design of the Equipments manufactured in India shall be identical to the design of equipments manufactured and supplied by the Parent Company.

3. We, the Parent Company and Indian GIS Manufacturer agree that this Undertaking shall be irrevocable and shall form an integral part of the Contract and further agree that this Undertaking shall continue to be enforceable till the Employer discharges it. It shall become operative from the effective date of Contract.

IN WITNESS WHEREOF the Parent Company and the Indian GIS Manufacturer have through their Authorized Representatives executed these presents and affixed Common seals of their respective Companies, on the day, month and year first above mentioned.

Amichhapal

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(For Parent Company)
PARTY OF FIRST PART

WITNESS

Signature

(Signature of the authorized representative)

Name

Name :-

Designation :-

Office Address

Common Seal of Company

WITNESS

(For Indian GIS Manufacturing company
PARTY OF SECOND PART

Signature

(Signature of the authorized representative)

Name.....

Name :-

Designation :-

Office Address

Common Seal of Compan

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