



Bharat Heavy Electricals Limited

(A Govt. of India Undertaking)

Transmission Business Group

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

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

Phone: 0120-6748543, Email: gaurav.agarwal@bhel.in

CORRIGENDUM - 06 TO NIT NO-87018

Dated 24-12-2024

Subject: Corrigendum-06 to Tender enquiry for Pre-Bid Tie up with the GIS OEM for Supply & Services of 400kV GIS Package (Package-II) at KPS 3 Tender / Project.

Project : POWERGRID's 400kV GIS Package (Package-II) at KPS 3
Equipment / Item : Supply & Services of 400kV GIS
Enquiry No/Date : 61Q2500406 Dated 29-11-2024
BHEL NIT NO : 87018
Original Tender due date : 11-12-2024

This Corrigendum is issued by BHEL TBG against above mentioned NIT/ enquiry for issuance of Technical Corrigendum Rev-01 along with Technical clarifications (enclosed). Due to change in BOQ, Revised price bid format (unpriced) is also enclosed and same need to be followed for bid submission.

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

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

Note: Tender ID on CPP Portal is **2024_BHEL_42419_1**.

Thanking you

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

Gaurav Agarwal
BHEL TBG, NOIDA

Ref. No. Technical Corrigendum-01

Project: Pre-Bid Tie up for,
400kV GIS Package (Package-II) at KPS 3 (HVDC), South Olpad (HVDC) and Extn. of existing KPS3 (GIS) station including civil works associated with ± 500 kV, 2500 MW KPS-3 (HVDC) and South Olpad (HVDC) Scheme associated with Transmission System for Evacuation of Power from potential renewable energy zone in Khavda area of Gujarat under Phase-V (8GW): Part C through Tariff based Competitive (TBCB) route; Spec No: CC/T/W-GIS/DOM/A06/24/14461.

Date: 24.12.2024

Sl. No.	Volume/ Section/ Clause	Volume/ Section/ Clause as Existing	Volume/ Section/ Clause as Amended/ Added in Technical Corrigendum-01
1	Technical Specification/ Section-1/ Section 1.6	Please refer BOQ/ Section 1 as detailed below, ANNEXURE: BOQ_400kV GIS_SERVICES_KPS3-S.OLPAD Rev 01	Please refer revised BOQ/ Section 1 as detailed below, ANNEXURE: BOQ_400kV GIS_SERVICES_KPS3-S.OLPAD Rev 02 (Copy attached)
2	Technical Specification/ Section-1	Section-1	<p>Please refer Amendment-II/ dated: 28/11/2024 (Copy attached).</p> <p>Please refer Clarification No.II (Technical) dated: Clarification-II dated 28.11.2024 (Copy attached).</p> <p>Please refer Clarification No.III (Technical) dated: CLARIFICATION - III dated 05.12.2024 (Copy attached).</p>

Note:

1. The changes/ revision are marked/ highlighted in yellow.
2. Amendment/ addendum/ clarification/ corrigendum issued herein shall form part of Technical Specification.

Bidders to please note that amendment/addendum/ clarification/ corrigendum issued shall supersede the respective Volume/ Section/ Clause of Technical Specification Document to the extent for the Volume/ Section/ Clause or part thereof the amendment is issued.

Sl. No.	Description	Unit	Quantity	Remarks
400kV GIS AC station at KPS3 (HVDC)				
5	SERVICES- GIS : 400KV, 63KA FOR IS, GAS INSULATED SWITCHGEAR (GIS) AS PER TS			
5.01	SERVICES- 400kV GIS: SUPERVISION OF ERECTION OF GIS	Bays	18	Supervision of erection of GIS with main bus, complete as per TS in all respect including LCC and its accessories. It also includes verification of materials for proper storage at site for final storage. Earthing, SF6 Gas Filling works, Internal Cabling from GIS to LCC, including Structure Works are covered under this item. GIS Bus Duct & SF6 to Air Bushing (SAB) are not covered in this BOQ item.
5.02	SERVICES- 400kV GIS: SUPERVISION OF ERECTION OF GAS INSULATED BUS DUCT	MTR	2500	Supervision of erection of GIB complete as per TS in all respect. GIB outside the GIS Hall wall shall be considered for mode of measurement. Earthing, SF6 Gas Filling works, Internal Cabling from GIS to LCC, including Structure Works are covered under this item. Inner side GIB / Aux Bus Module etc are to be considered as part of respective GIS Assembly and cost of the same shall be deemed inclusive.
5.03	SERVICES- 400kV GIS: SUPERVISION OF ERECTION OF SF6 TO AIR BUSHING	SET	30	Earthing, SF6 Gas Filling works, Internal Cabling from GIS to LCC, including Structure Works are covered under this item.
5.04	SERVICES- 400kV GIS: TESTING & COMMISSIONING OF GIS	Bays	18	Testing and commissioning of complete GIS system including main bus, LCC and associated system is to be executed by bidder. All the special testing instruments, kits, T&P etc. are to be arranged by bidder on returnable basis. Please refer relevant section of technical specification for details.
5.05	SERVICES- 400kV GIS : TESTING & COMMISSIONING OF GAS INSULATED BUS DUCT	MTR	2500	GIB outside the GIS Hall wall shall be considered for mode of measurement. Inner side GIB / Aux Bus Module e.t.c. are to be considered as part of respective GIS Assembly and cost of the same shall be deemed inclusive. All the special testing instruments, kits, T&P etc. are to be arranged by bidder on returnable basis. Please refer relevant section of technical specification for details.
5.06	SERVICES- 400kV GIS : TESTING & COMMISSIONING OF SF6 TO AIR BUSHING	SET	30	
5.07	SERVICES- 400kV GIS : FINAL SUCCESSFUL HV/ POWER FREQUENCY TESTING OF GIS INCLUDING ARRANGING OF HV TEST KIT ALONG WITH OPERATOR	Bays	18	Carrying out successful HV/ Power Frequency Testing of GIS as per IEC including Arrangement of HV Test kit with operator (on returnable basis) shall be in scope of bidder, which includes charges of HV test kit with operator, accessories & tools required for completion of HV testing. The quoted price shall include GIS bays including Main Bus, GIB & SAB and other common items as per TS complete in all respect. In this BOQ item, mobilization and demobilization for HV test kit is considered for
5.08	SERVICES- 400kV GIS : INSULATION CO-ORDINATION STUDIES FOR GIS SYSTEM	LOT	1	1 Lot means Complete study report as per technical specification, Including VFTO report
5.09	SERVICES- 400kV GIS : TRAINING FOR GIS AT SITE	DAY	2	
5.1	SERVICES- 400kV GIS : TRAINING FOR GIS AT MANUFACTURER WORKS	DAY	2	
400kV GIS AC station at KPS-3 STATION (EXTN)				
6	SERVICES- GIS : 400KV, 63KA FOR IS, GAS INSULATED SWITCHGEAR (GIS) AS PER TS			
6.01	SERVICES- 400kV GIS: SUPERVISION OF ERECTION OF GIS	Bays	8	Supervision of erection of GIS with main bus, complete as per TS in all respect including LCC and its accessories. It also includes verification of materials for proper storage at site for final storage. Earthing, SF6 Gas Filling works, Internal Cabling from GIS to LCC, including Structure Works are covered under this item. GIS Bus Duct & SF6 to Air Bushing (SAB) are not covered in this BOQ item.
6.02	SERVICES- 400kV GIS: SUPERVISION OF ERECTION OF GAS INSULATED BUS DUCT	MTR	3060	Supervision of erection of GIB complete as per TS in all respect. GIB outside the GIS Hall wall shall be considered for mode of measurement. Earthing, SF6 Gas Filling works, Internal Cabling from GIS to LCC, including Structure Works are covered under this item. Inner side GIB / Aux Bus Module etc are to be considered as part of respective GIS Assembly and cost of the same shall be deemed inclusive.
6.03	SERVICES- 400kV GIS: SUPERVISION OF ERECTION OF SF6 TO AIR BUSHING	SET	12	Earthing, SF6 Gas Filling works, Internal Cabling from GIS to LCC, including Structure Works are covered under this item.
6.04	SERVICES- 400kV GIS: TESTING & COMMISSIONING OF GIS	Bays	8	Testing and commissioning of complete GIS system including main bus, LCC and associated system is to be executed by bidder. All the special testing instruments, kits, T&P etc. are to be arranged by bidder on returnable basis. Please refer relevant section of technical specification for details.
6.05	SERVICES- 400kV GIS : TESTING & COMMISSIONING OF GAS INSULATED BUS DUCT	MTR	3060	GIB outside the GIS Hall wall shall be considered for mode of measurement. Inner side GIB / Aux Bus Module e.t.c. are to be considered as part of respective GIS Assembly and cost of the same shall be deemed inclusive. All the special testing instruments, kits, T&P etc. are to be arranged by bidder on returnable basis. Please refer relevant section of technical specification for details.
6.06	SERVICES- 400kV GIS : TESTING & COMMISSIONING OF SF6 TO AIR BUSHING	SET	12	
6.07	SERVICES- 400kV GIS : FINAL SUCCESSFUL HV/ POWER FREQUENCY TESTING OF GIS INCLUDING ARRANGING OF HV TEST KIT ALONG WITH OPERATOR	Bays	8	Carrying out successful HV/ Power Frequency Testing of GIS as per IEC including Arrangement of HV Test kit with operator (on returnable basis) shall be in scope of bidder, which includes charges of HV test kit with operator, accessories & tools required for completion of HV testing. The quoted price shall include GIS bays including Main Bus, GIB & SAB and other common items as per TS complete in all respect. In this BOQ item, mobilization and demobilization for HV test kit is considered for
6.08	SERVICES- 400kV GIS : INSULATION CO-ORDINATION STUDIES FOR GIS SYSTEM	LOT	1	1 Lot means Complete study report as per technical specification, Including VFTO report
6.09	SERVICES- 400kV GIS : TRAINING FOR GIS AT SITE	DAY	2	
6.1	SERVICES- 400kV GIS : TRAINING FOR GIS AT MANUFACTURER WORKS	DAY	2	

Sl. No.	Description	Unit	Quantity	Remarks
400kV AC GIS Extension South Olpad				
7	SERVICES- GIS : 400KV, 63KA FOR IS, GAS INSULATED SWITCHGEAR (GIS) AS PER TS			
7.01	SERVICES- 400kV GIS: SUPERVISION OF ERECTION OF GIS	Bays	4	Supervision of erection of GIS with main bus, complete as per TS in all respect including LCC and its accessories. It also includes verification of materials for proper storage at site for final storage. Earthing, SF6 Gas Filling works, Internal Cabling from GIS to LCC, including Structure Works are covered under this item. GIS Bus Duct & SF6 to Air Bushing (SAB) are not covered in this BOQ item.
7.02	SERVICES- 400kV GIS: SUPERVISION OF ERECTION OF GAS INSULATED BUS DUCT	MTR	600	Supervision of erection of GIB complete as per TS in all respect. GIB outside the GIS Hall wall shall be considered for mode of measurement. Earthing, SF6 Gas Filling works, Internal Cabling from GIS to LCC, including Structure Works are covered under this item. Inner side GIB / Aux Bus Module etc are to be considered as part of respective GIS Assembly and cost of the same shall be deemed inclusive.
7.03	SERVICES- 400kV GIS: SUPERVISION OF ERECTION OF SF6 TO AIR BUSHING	SET	6	Earthing, SF6 Gas Filling works, Internal Cabling from GIS to LCC, including Structure Works are covered under this item.
7.04	SERVICES- 400kV GIS: TESTING & COMMISSIONING OF GIS	Bays	4	Testing and commissioning of complete GIS system including main bus, LCC and associated system is to be executed by bidder. All the special testing instruments, kits, T&P etc. are to be arranged by bidder on returnable basis. Please refer relevant section of technical specification for details.
7.05	SERVICES- 400kV GIS : TESTING & COMMISSIONING OF GAS INSULATED BUS DUCT	MTR	600	GIB outside the GIS Hall wall shall be considered for mode of measurement. Inner side GIB / Aux Bus Module e.t.c. are to be considered as part of respective GIS Assembly and cost of the same shall be deemed inclusive. All the special testing instruments, kits, T&P etc. are to be arranged by bidder on returnable basis. Please refer relevant section of technical specification for details.
7.06	SERVICES- 400kV GIS : TESTING & COMMISSIONING OF SF6 TO AIR BUSHING	SET	6	
7.07	SERVICES- 400kV GIS : FINAL SUCCESSFUL HV/ POWER FREQUENCY TESTING OF GIS INCLUDING ARRANGING OF HV TEST KIT ALONG WITH OPERATOR	Bays	4	Carrying out successful HV/ Power Frequency Testing of GIS as per IEC including Arrangement of HV Test kit with operator (on returnable basis) shall be in scope of bidder, which includes charges of HV test kit with operator, accessories & tools required for completion of HV testing. The quoted price shall include GIS bays including Main Bus, GIB & SAB and other common items as per TS complete in all respect. In this BOQ item, mobilization and demobilization for HV test kit is considered for
7.08	SERVICES- 400kV GIS : INSULATION CO-ORDINATION STUDIES FOR GIS SYSTEM	LOT	1	1 Lot means Complete study report as per technical specification, Including VFTO report
7.09	SERVICES- 400kV GIS : TRAINING FOR GIS AT SITE	DAY	2	
7.1	SERVICES- 400kV GIS : TRAINING FOR GIS AT MANUFACTURER WORKS	DAY	2	
8	SERVICES- GIS : REFERENCE UNIT PRICE FOR ADDITION / DELETION OF SERVICES: (UNIT PRICES OF INDIVIDUAL SERVICES INCLUDED HERE ARE REQUIRED FOR ANY ADDITION/DELETION OF EQUIPMENT AND REPLACEMENT OF DAMAGED ITEMS. VENDOR TO ENSURE THAT THE UNIT PRICES HAVE A LOGICAL RELATIONSHIP WITH PRICES OF ASSEMBLIES IN MAIN ITEMS. QUOTING FOR UNIT PRICES IS MANDATORY AND SHALL BE CONSIDERED FOR EVALUATION)			
8.01	SERVICES- 400kV GIS: REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT - SERVICES FOR SUPERVISION OF ERECTION OF GIS	MANDAY	10	Charges for repetition of services - (if required due to reasons not attributed to the bidder) This item will be executed only if repetition of services is required by BHEL.
8.02	SERVICES- 400kV GIS: REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT - SERVICES FOR TESTING & COMMISSIONING OF GIS	MANDAY	10	Charges for repetition of services - (if required due to reasons not attributed to the bidder) This item will be executed only if repetition of services is required by BHEL.
	DEMOBILIZATION AND REMOBILIZATION CHARGES			
8.03	SERVICES- 400kV GIS: DEMOBILIZATION AND REMOBILIZATION CHARGES FOR GIS ERECTION SUPERVISION TEAM	Set	2	THIS BOQ ITEM SHALL BE EXECUTED IF REQUIRED FOR REASONS NOT ATTRIBUTABLE TO BIDDER.
8.04	SERVICES- 400kV GIS: DEMOBILIZATION AND REMOBILIZATION CHARGES FOR GIS TESTING & COMMISSIONING TEAM	Set	2	BOQ ITEM SHALL BE PAYABLE IF REQUIRED FOR REASONS NOT ATTRIBUTE TO BIDDER. HV TESTING IS NOT PART OF THIS ITEM.
8.05	SERVICES- 400kV GIS: DEMOBILIZATION & REMOBILIZATION CHARGES OF HV TEST KIT ALONG WITH OPERATOR	Lot	1	In this BOQ item, mobilization and demobilization chages for HV test kit is considered for second time or more , for reasons not attributable to bidder. HV testing charges shall be paid per bay basis as per main HV testing charge.

Amendment-II dated 28.11.2024 to the bidding document for 400kV GIS Package (Package-II) at KPS 3 (HVDC), South Olpad (HVDC) and Extn. of existing KPS3 (GIS) station including civil works associated with ± 500 kV, 2500 MW KPS-3 (HVDC) and South Olpad (HVDC) Scheme associated with Transmission System for Evacuation of Power from potential renewable energy zone in Khavda area of Gujarat under Phase-V (8GW): Part C through Tariff based Competitive (TBCB) route; Spec. No. CC/T/W-GIS/DOM/A06/24/14461

Sl. No.	Clause No.	Existing Clause	New/Amended Clause
1.	Section Project (KPS3 HVDC)	<p>1.3.1.1 HVAC Part</p> <p>c) Gas insulated switchyard equipment: The SF6 gas insulated switch gearmaintenance work shall also be provided. 420kV GIS modules/ Equipment for HVDC VSC Converter Bays, AC Filter Bank bays (if applicable) with suitable TRV rating, Bus Sectionalizer bays, line bays, transformer bays, Reactor bays shall be provided.</p>	<p>1.3.1.1 HVAC Part</p> <p>c) Gas insulated switchyard equipment: The SF6 gas insulated switch gearmaintenance work shall also be provided. 420kV GIS modules/ Equipment for HVDC VSC Converter Bays, AC Filter Bank bays (if applicable) with suitable TRV rating, Bus Sectionalizer bays, line bays, transformer bays, Reactor bays shall be provided.</p> <p>GIS bays are quantified as per owner specified items, bidder to quote the price of each GIS bay. For AC Filter bank bays (if required standard rating) shall be additionally paid in line with the per bay cost quoted in the BPS.</p>
2.	Section Project (South Olpad)	<p>1.3.2.1 HVAC Part</p> <p>c) Gas insulated switchyard equipment: The SF6 gas insulated switch gearmaintenance work shall also be provided. 420kV GIS modules/ Equipment for HVDC VSC Converter Bays, AC Filter Bank bays (if applicable) with suitable TRV rating, Bus Sectionalizer bays, line bays, transformer bays, Reactor bays shall be provided.</p>	<p>1.3.2.1 HVAC Part</p> <p>c) Gas insulated switchyard equipment: The SF6 gas insulated switch gearmaintenance work shall also be provided. 420kV GIS modules/ Equipment for HVDC VSC Converter Bays, AC Filter Bank bays (if applicable) with suitable TRV rating, Bus Sectionalizer bays, line bays, transformer bays, Reactor bays shall be provided.</p> <p>GIS bays are quantified as per owner specified items, bidder to quote the price of each GIS bay. For AC Filter bank bays (if required standard rating) shall be additionally paid in line with the per bay cost quoted in the BPS.</p>

Amendment-II dated 28.11.2024 to the bidding document for 400kV GIS Package (Package-II) at KPS 3 (HVDC), South Olpad (HVDC) and Extn. of existing KPS3 (GIS) station including civil works associated with ±500kV, 2500 MW KPS-3 (HVDC) and South Olpad (HVDC) Scheme associated with Transmission System for Evacuation of Power from potential renewable energy zone in Khavda area of Gujarat under Phase-V (8GW): Part C through Tariff based Competitive (TBCB) route; Spec. No. CC/T/W-GIS/DOM/A06/24/14461

3.	Section Project Clause 1.4.2	METEOROLOGICAL DATA				METEOROLOGICAL DATA			
		The meteorological data and other parameters of sub-stations are as under				The meteorological data and other parameters of sub-stations are as under			
		Sl.	Parameter	KPS2 (HVDC)	South Olpad	Sl.	Parameter	KPS3 (HVDC)	South Olpad
		1.	Max Ambient temperature (dry bulb one-hour average)	50 deg C	50 deg C		Max Ambient temperature (dry bulb one-hour average)	50 deg C	50 deg C

Clarification-II dated 28.11.2024 to the bidding document for 400kV GIS Package (Package-II) at KPS 3 (HVDC), South Olpad (HVDC) and Extn. of existing KPS3 (GIS) station including civil works associated with $\pm 500\text{kV}$, 2500 MW KPS-3 (HVDC) and South Olpad (HVDC) Scheme associated with Transmission System for Evacuation of Power from potential renewable energy zone in Khavda area of Gujarat under Phase-V (8GW): Part C through Tariff based Competitive (TBCB) route; Spec. No. CC/T/W-GIS/DOM/A06/24/14461

PRE-BID QUERIES (Technical / Electrical)				
Sr. No.	NAME OF THE DOCUMENTS	CLAUSE	BIDDER's QUERIES	POWERGRID Response
1	Appendix - I Revised Section Project PKG-II 18 Oct 2024, A.2.2, Pg-23	Design of Foundation and ground improvement for:.....	We understand that scope of stone column design for referred items mentioned in A.2.2 is in our scope. Kindly Confirm.	The diameter and spacing of stone column shall be as per technical specifications. Preparation of stone column layout is in the scope of bidder.
2	Appendix - I Revised Section Project PKG-II 18 Oct 2024, A.2.3, Pg-24	Buildings including ground improvement (Complete design, including architectural, structural, electrical, foundation design etc.)..	We understand that scope of stone column design for referred items mentioned in A.2.3 is in our scope. Kindly Confirm.	The diameter and spacing of stone column shall be as per technical specifications. Preparation of stone column layout is in the scope of bidder.
3	Appendix - I Revised Section Project PKG-II 18 Oct 2024, A.2.10, Pg-24	A.2.10 Ground improvement for above area/equipment.	We understand that scope of stone column design for referred items mentioned in A.2.4 to a A.2.9 is in our scope. Kindly Confirm.	The diameter and spacing of stone column shall be as per technical specifications. Preparation of stone column layout is in the scope of bidder.
4	General Query		Referred item from sr. no 18.9-18.12 are repeating again from 18.13-16 & 18.17-18.19. Request you to kindly provide the clarity on same.	Please refer already issued Amendment -01
5	Appendix - I Revised Section Project PKG-II 18 Oct 2024, 1.3.1.2, Pg-16		Request you to kindly provide the Pump House Location for size of headers for Fire Protection System.	The requisite detail shall be provided during detailed engineering
6	Appendix - I Revised Section Project PKG-II 18 Oct 2024, 1.3.1.2, Pg-16	iii.Pumping arrangement inside the Pump House including Main pump, jockey pump, HP tank etc. for entire HVDC station shall be provided by employer. However, complete piping, fittings, accessories etc. for HVWS & Hydrant system for 400/33kV transformers, 125 MVAR 420kV bus reactors and GIS buildings and connection to main header including valves of fire fighting system etc. is under present scope of work. Further, Installation, Testing and Commissioning of Fire Fighting system including piping work for Hydrant and HVWS system, Deluge Valve system is also in the present scope.	We understand that for buidligns which are not in scope of contractor like Valvel Hall, DC Hall, Service Building etc. hydrant system inside the building is in scope of employer. Kinldy Confirm.	AS per Section Project clause 1.3.1.2, both HVWS & Hydrant system for for 400/33kV transformers, 125 MVAR 420kV bus reactors and GIS buildings and connection to main header including valves of fire fighting system etc. is under present scope of work of Bidder. For Valve Halls, DC Halls and Service Building the hydrant system is under Employer's scope. Please also refer Annexure-Interface requirement.
7			We understand complete outside hydrant system for DC switchyard, for converter transformer, reactor, DG, LT etc. except Pump house Is in scope of contractor. Kinldy Confirm.	AS per Section Project clause 1.3.1.2, both HVWS & Hydrant system for for 400/33kV transformers, 125 MVAR 420kV bus reactors and GIS buildings and connection to main header including valves of fire fighting system etc. is under present scope of work of Bidder. Further, outside hydrant for DC switchyard, for converter transformer, reactor, DG, LT is under Employer's scope. Please also refer Annexure-Interface requirement.

Sr. No.	NAME OF THE DOCUMENTS	CLAUSE	BIDDER'S QUERIES	POWERGRID Response
8	Outline of tentative area KPS-3 GA Existing		The referred area marked in existing KPS3 layout is not current extension scope, request you to kindly mark the area which is scope of extension for current project which will enable us to quote competitive in lum sum items.	Please refer already issued Amendment -01
9	Order of Precedence	Order of Precedence	Please describe the order of precedence of price schedule (BPS), section project and technical specification.	Order of Precedence shall be as follows: 1) BPS 2) Section- Project of TS to meet functional requirement Please refer to Section-VI: Sample Forms and Procedures -5. Form Of Contract Agreement , Article 1.2- 'Order of Precedence' of the bidding document.
400kV GIS AC station at KPS3 (HVDC)				
10	Section Project	Cl. No 1.2.1.1 f) 400kV AC Filter bays (if applicable)-GIS	We understand that as the item as per respective clause is not indicated in BOQ , we have not considered any AC Filter bays, . Please confirm.	Please refer Amendment-II
11	Section Project	Cl. No 1.3.1.2 m) complete BMS system shall be provided by Employer. 'Refer Annexure – Interface (PKG-II)'	The Integration of Lightning protection (DSL P) with BMS and Augmentation of BMS is existing GIS station is not clear, please clarify the same.	Bidder query is not clear. There is no integration of DSLP with BMS. Regarding BMS, please also Refer Annexure - Interface rqmt PKG-II clause 13 (KPS3 HVDC): Design, supply and erection of BMS system at KPS3 (HVDC) is in Employer's scope. Suitable provision for Interface/ Input-output/signal required in the equipment/ system (like Air conditioning, GIS hall ventilation system, illumination system etc.) for the scope of BMS integration shall be provided by the bidder.
12	Section Project	Cl. No 1.12	As per respective clause we have not considered any repeater station as same is not indicated in BOQ. Kindly confirm our understanding.	As per TS section project - The foundation of repeater shelter system is in Bidder's scope. The repeater shelter building shall be provided by Employer.
13	General	Illumination System	Illumination System: – Kindly confirm our understanding as below: We have considered outdoor lighting scope for the present scope of bays only. Outdoor illumination required for future bays are excluded from our scope of supply & engineering.	Illumination system for AC outdoor area is also in scope of Employer as per T.S clause 1.3.1.2.d) - " <i>The illumination system of AC Outdoor switchyard area shall be provided by Employer</i> "
14	General	Space for Future bay Module	We have considered Line Bay only as per BOQ without considering any provision for future Line reactor .Kindly Confirm our understanding.	Bidder's understanding is inline with the provision of the contract.
15	Erection hardware	400 kV Tension Insulator String and associated hardware Fittings as Per TS.	The qty's are indicated in SETs in place of Numbers, we understand that same shall be considered in multiple of 3 (i.e R Y B) please confirm the same.	The SET comprises 3 Nos. of Insulator string and associated hardware for each Phase R, Y, B
16	General	Telecom system	Please provide the details of remote end FOTE System/Equipment make for line bays.	The requisite detail shall be provided after finalisation during detailed engineering

Sr. No.	NAME OF THE DOCUMENTS	CLAUSE	BIDDER'S QUERIES	POWERGRID Response
17	Section Project	Cl. No 1.2.1.1 a) 2 (Two) Nos. of 400 kV VSC Converter bays-GIS	We have not considered any erection hardware for VSC , as no item is indicated in BPS. Only terminal connector for GIS bushings are considered.	Bidder scope is clearly specified in Section Project. Please refer TS section project - 1.3.1.1.c.ii) -"420kV Gas Insulated Single phase enclosure Bus Duct (Including support structure, gas monitoring device, gas barrier, UHF PD Sensor etc.) from GIS building to Centre line of SF6/Air Bushing shall be in scope of contractor ." Further as per TS section Annexure- 420 kV GIS description Rev 01 clause C - "420kV, 3150A, 1-phase SF6 to air bushings along with terminal connectors & support structure, foundation bolts, fasteners etc. for outdoor connections in air."
18	Section Project	Cl no. 1.3.1.1 f)	The type of bus bar protection is not mentioned whether it is Centralized or decentralized/distributed type bus bar protection system. If it is decentralized/distributed type bus bar protection system then provide the number of peripheral bay units or number of bays to be considered.	As per T.S Clause 1.3.1.1.f. - "The Bus-bar protection scheme shall have complete bus bar protection (separate for each section) for present as well as future bays envisaged i.e. input / output modules for future bays shall also be provided ."
19	General	GIB Duct	GIB duct indicted in BOQ is mentioned in lot. Kindly provide the quantity to be considered for better understanding.	Please refer already issued Amendment-I
20	General	Spare Module	We have not considered any spare feeder bay module for dia completion as same is not indicated in BOQ. Kindly confirm	Bidder to quote as per BPS
21	Section Project	l) 1.3.1.2 LT switchgear (ACDB & DCDB)	We have not considered any LT Switchgear panel boards, feeders etc. as same is not indicated in BOQ. Kindly confirm.	Main ACDB (415 V) & DCDB are under Employer's scope. Other sub-ACDB and sub DCDB for scope specified in TS are under Bidder's scope. AS per TS csection project Clause 1.3.1.2 - "Bidder shall calculate their load requirement as per standard practice and same shall be informed to Employer..... Bidder shall lay & terminate the cable at ACDB, DCDB & in other panels for it's requirement ."
22	General	Battery and battery charger	We have not considered any battery and battery charger i.e. 220v & 48V as same is not indicated in BOQ.	Please refer Annexure - Major Interface Rqmt for KPS3 HVDC clause 8 - " Employer's scope: a) Design, supply, erection and commissioning of Battery & Battery Chargers along with 220V & 48V DCDB is in the scope of the Employer. Bidder's scope: a) DC load requirement for present scope of work to be calculated by bidder and number of feeders to be informed to Employer for finalising the size of Battery, Battery charger, 220V & 48V DCDB. b) Supply, laying and termination of necessary cable from 220V & 48V DCDB to sub distribution boards of respective system/ equipment. "

Sr. No.	NAME OF THE DOCUMENTS	CLAUSE	BIDDER's QUERIES	POWERGRID Response								
23	General	Mandatory spare (Bid Price schedule (BPS) & Annexure-Mandatory spare)	We observed that the mandatory spares already given in BPS for major equipment's (i.e. GIS, Transformers & Reactors) and a separate annexure also provided for mandatory spare i.e.Annexure-Mandatory spare , We understand that we have to consider Mandatory spares for GIS, Transformers & Reactors as provided in the BPS, however for other remaining items we have to consider Annexure-Mandatory spare. Kindly confirm .	Bidder's understanding is inline with the provision of the contract.								
24	BMS	BMS	We understand that BMS is provided by Employer, only signal's required for interface of the equipment as mentioned in (Annexure – Major Interface Requirement) is in scope of the contractor. Kindly confirm	Please refer Annexure - Major Interface Rqmt for KPS3 HVDC clause 13 - " <i>Employer's scope:</i> <i>a) Design, supply and erection of BMS system is in Employer's scope.</i> <i>b) Supply, laying and termination of necessary cable to respective equipment to be integrated in BMS system for entire station including AC GIS/AIS system is in the scope of the Employer.</i> <i>Bidder's scope:</i> <i>a) Suitable provision for Interface/ Input-output/signal required in the equipment/ system for the scope of BMS integration shall be provided by the bidder."</i>								
25	Section Project	Cl. No 1.4.2 Meteorological Data	We understand that KPS2 would be read as KPS3.Kindly confirm <table><tr><th>Sl.</th><th>Parameter</th><th>KPS2 (HVDC)</th><th>South Olpad</th></tr><tr><td></td><td>Max Ambient temperature (dry bulb one-hour average)</td><td>50 deg C</td><td>50 deg C</td></tr></table>	Sl.	Parameter	KPS2 (HVDC)	South Olpad		Max Ambient temperature (dry bulb one-hour average)	50 deg C	50 deg C	It's a typographical error and shall be corrected. Please refer Amendment-03
Sl.	Parameter	KPS2 (HVDC)	South Olpad									
	Max Ambient temperature (dry bulb one-hour average)	50 deg C	50 deg C									
400kV AC GIS Extension South Olpad												
26	Section Project	Cl. No 1.2.1.1 f) 400kV AC Filter bays (if applicable)-GIS	We understand that as the same item as per respective clause is not indicated in BOQ , we have not considered any AC Filter bays, . Please confirm.	Please refer Amendment-II								
27	Section Project	Cl. No 1.12	As per respective clause number, we have not considered any repeater station as the same is not indicated in BOQ. Kindly confirm	As per TS section project - The foundation of repeater shelter system is in Bidder's scope. The repeater shelter building shall be provided by Employer.								
28	General	Illumination System	Illumination System: – Kindly confirm our understanding as below: We have considered outdoor lighting scope for the present scope of bays only. Outdoor illumination required for future bays are excluded from our scope of supply & engineering.	Please refer Amendment - 02 - Illumination - " <i>Extension of existing LED based Indoor Illumination in GIS building, AHU room & LCC room and illumination for the switchyard including new LED fixtures/ switchboard etc. along with wiring is under present scope of work. LED based Lighting and illumination for the AC switchyard area (extension area) is under present scope."</i> Bidder to quote as per bidding document.								

Sr. No.	NAME OF THE DOCUMENTS	CLAUSE	BIDDER's QUERIES	POWERGRID Response								
29	General	Space for Future bay Module	We have considered Line Bay only as per BOQ without considering any provision for future Line reactor .Kindly Confirm our understanding.	At south Olpad only converter feeder bays are envisaged from the existing 400kV GIS. Please also refer description of GIS attached along with Section Project.								
30	Erection hardware	400 kV Tension Insulator String and associated hardware Fittings as Per TS.	The qty's are indicated in SETs in place of Numbers, we understand that same shall be considered in multiple of 3 (i.e R Y B) please confirm the same.	The SET comprises 3 Nos. of Insulator string and associated hardware for each Phase R, Y, B								
31	Section Project	Cl. No 1.2.2.1 a) 2 (Two) Nos. of 400 kV VSC Converter bays-GIS	We have not considered any erection hardware for SVC , as no item is indicated in BPS. Only terminal connector for GIS bushings are considered.	Bidder scope is clearly specified in Section Project. Please refer TS section project - 1.3.1.1.c.ii) -"420kV Gas Insulated Single phase enclosure Bus Duct (Including support structure, gas monitoring device, gas barrier, UHF PD Sensor etc.) from GIS building to Centre line of SF6/Air Bushing shall be in scope of contractor ." Further as per TS section Annexure- 420 kV GIS description Rev 01 clause C - "420kV, 3150A, 1-phase SF6 to air bushings along with terminal connectors & support structure, foundation bolts, fasteners etc. for outdoor connections in air."								
32	General	SLD	Kindly provide the existing/tentative SLD.	The substation is under bidding in separate scheme. Thus, drawings shall be provided during detailed engineering.								
33	General	GIB Duct	GIB duct indicted in BOQ is mentioned in lot. Kindly provide the quantity to be considered for better understanding.	Please refer already issued Amendment-I								
34	General	Exiting layout	Present scope of work is not clear in attached layout.Kindly mark the same for better understanding/clarification.	Please refer already issued Amendment-I from POWERGRID for South Olpad Existing.								
35	General	Spare Module	We have not considered any spare feeder bay module for dia completion as same is not indicated in BOQ. Kindly confirm	Bidder to quote as per provision of contract								
KPS-3 STATION (EXTN)												
36	Section Project	Cl. No 1.4.2 Meteorological Data	We understand that KPS2 would be read as KPS3 Kindly confirm <table><tr><th>Sl.</th><th>Parameter</th><th>KPS2 (HVDC)</th><th>South Olpad</th></tr><tr><td></td><td>Max Ambient temperature (dry bulb one-hour average)</td><td>50 deg C</td><td>50 deg C</td></tr></table>	Sl.	Parameter	KPS2 (HVDC)	South Olpad		Max Ambient temperature (dry bulb one-hour average)	50 deg C	50 deg C	It's a typographical error and shall be corrected. Please refer Amendment-II
Sl.	Parameter	KPS2 (HVDC)	South Olpad									
	Max Ambient temperature (dry bulb one-hour average)	50 deg C	50 deg C									
37	Section Project	Cl. No 1.3.3.1 o)	We understand that existing vms has available port for connecting new cameras.	If ports are not available, the same shall be augmented by Bidder under present scope.								
38	Section Project	Cl. No 1.12	As per respective clause number we have not considered any repeater station as same is not indicated in BOQ. Kindly confirm	As per TS section project - The foundation of repeater shelter system is in Bidder's scope. The repeater shelter building shall be provided by Employer.								

Sr. No.	NAME OF THE DOCUMENTS	CLAUSE	BIDDER'S QUERIES	POWERGRID Response
39	Section Project	Cl. No 1.3.3.1 d)	As per respective clause we understand that PU units for present scope of work is already available at site. Kindly confirm	As per TS clause 1.3.3.1.c) - "Further, augmentation of the existing 400kV bus bar protection scheme including peripheral bay units is under present scope."
40	General	Illumination System	Illumination System: – Kindly confirm our understanding as below: We have considered outdoor lighting scope for the present scope of bays only. Outdoor illumination required for future bays are excluded from our scope of supply & engineering.	Please refer already issued Amendment - I - Illumination - "Extension of existing LED based Indoor Illumination in GIS building, AHU room & LCC room and illumination for the switchyard including new LED fixtures/ switchboard etc. along with wiring is under present scope of work. LED based Lighting and illumination for the AC switchyard area (extension area) is under present scope." Bidder to quote as per bidding document.
41	General	Space for Future bay Module	We have considered Line Bay only as per BOQ without considering any provision for future Line reactor .Kindly Confirm our understanding.	Bidder's understanding is inline with the provision of the contract.
42	Erection hardware	400 kV Tension Insulator String and associated hardware Fittings as Per TS.	Qty. are indicated in SETs in place of Numbers, we understand that same shall be considered in multiple of 3 (i.e R Y B) please confirm the same.	The SET comprises 3 Nos. of Insulator string and associated hardware for each Phase R, Y, B
43	General	Telecom system	Please provide the details of remote end FOTE System/Equipment make for line bays.	The requisite detail shall be provided after finalisation during detailed engineering
44	General	Exiting layout	Present scope of work is not clear in attached layout.Kindly mark the same for better understanding/clarification.	Please refer already issued Amendment-01 from POWERGRID for KPS3 Existing
45	General	GIB Duct	GIB duct indicted in BOQ is mentioned in lot. Kindly provide the quantity to be considered for better understanding.	Please refer already issued Amendment-I
46	General	Spare Module	We have not considered any spare feeder bay module for dia completion as same is not indicated in BOQ. Kindly confirm	Bidder to quote as per provision of contract

Sr. No.	NAME OF THE DOCUMENTS	CLAUSE	BIDDER's QUERIES	POWERGRID Response
ENGINEERING PRE-BID QUERIES (Civil)				
S. No.	Ref./Clause	Name of the Document	Bidder's Queries	POWERGRID Response
47	General	Land Acquisition	We understand that the proposed land has already been acquired by PGCIL. Please confirm.	Land shall be acquired by POWERGRID and shall be informed to the successful bidder.
48	General	Plot boundary coordinates	Please share the reference coordinates of plot boundaries of Substation area.	Bidder may refer survey report for tentative co-ordinates of area. Excat co-ordinate of plot boundary shall be provided to the successful bidder after award.
49	General	Approach Road	We understand that substation approach from the major state road to the plot main gate is in all weather good condition. There is no requirement of strengthening of the existing approach road, culverts/ bridges, drainage networks etc. in order to facilitate transport of heavy equipment's, transformers etc. Kindly confirm.	Bidder are requested to visit the site. In case the access road to the HVDC Substation is not available or widening of existing access road is required, same shall be covered under present scope of the contractor and shall be executed as per Employer drawing for switchyard roads and shall be paid in line with BPS.
50	General	M-sand, stone dust and PPC cement	We understand that use of alternate construction materials as m-sand, stone dust and PPC cement will be allowed. Kindly confirm our understanding.	Bidder may quote as per bidding documents.
51	General	Use of GFRP	Please confirm the estimated quantity of GFRP (if required to be used.)	Bidder may quote as per bidding documents.
52	General	Truss for Store Building	We understand that design, fabrication, supply and erection of trussed roof for store building is not in bidder's scope, please confirm our understanding.	Bidder may quote as per bidding documents.
53	General	Scope of work for civil amenities	We presume that the quantity mentioned in " Price schedule " is tentative and for any changes in quantity during detailed engineering/execution, Bidder's may ask for quantity amendment. Please confirm.	Bidder's understanding is in line with the provision of the contract.
54	General	Price schedule/Specification	We understand that in case of any discrepancy between price schedule & specifications, price schedule will prevail. Kindly confirm.	Bidder's understanding is in line with the provision of the contract.

Sr. No.	NAME OF THE DOCUMENTS	CLAUSE	BIDDER's QUERIES	POWERGRID Response
55	General	Slope protection structures	We understand that construction of Stone pitching/Retaining wall (if any) shall not be in our scope. Please confirm	Construction of Stone pitching/Retaining wall (if required) is in the scope of the bidder.
56	General	Tower/ gantry/LM structure/Equipment support structure and its Foundation design	We understand that, the design of Tower/Gantry/equipment's support structures and its foundations are not in our scope. Please confirm.	Bidder may quote as per bidding documents.
57	General	Reference standard civil & str dwgs for Tower/gantry/LM/equipment's.	Please provide the required standard drawings to estimate civil and structural quantities.	Standard Drawings are already enclosed with bid documents. Further, Section project for civil works are to be referred for other drawings.
58	General	Power & Water for Construction Work	We understand that construction purpose power and water supply and it's arrangements upto a single point adjoining to the construction site will be provided free of cost by the client to the successful Bidder, Please confirm.	Please refer TS Clause clause 1.12.e
59	General	Hindrance Register	Site Hindrance register shall be maintained by us, which shall include the delays due to force majures, natural calamities and other unforeseen conditions etc. Schedule extension/compensation shall be provided to us for the same accordingly.	Extension/compensation if any shall be governed by the terms and references of respective provisions in bidding document and as per the provisions in Contract Agreement in case of award.
60	General	Pile work	we understand that, there is no requirement of pile/pile cap works , if there it is executed in execution stage, that will be treated as extra item.	Pile foundation is not envisaged currently. However, if pile foundation is required during detailed engineering, the same shall be dealt as per relevant clause of bidding documents.
61	General	Dismantling/Demolishing Work	We understand that, the plot is free from any other existing temporary and permanent structures. There is no scope of dismantling and disposal of waste materials other then mentioned in BPS. Please confirm.	Bidder may quote as per bidding documents.
62	General	Existing Drawings for Extn substations.	Please share existing general arrangement, layout drawings (i.e. foundation layout, drain layout, cable trench layout, stone spreading layout) and foundation & structural drawings of existing tower/gantry & equipment support structures.	Please refer already issued Amendment -01 for general arrangement drawing. Other drawing details shall be provided during detailed engineering.
PRE-BID QUERIES(COMMERCIAL QUERIES)				

Sr. No.	NAME OF THE DOCUMENTS	CLAUSE	BIDDER'S QUERIES	POWERGRID Response
63	Clause 34.1 -Section IV, GCC, Vol-I-Extension of Time	Clause 34.1 -Section IV, GCC, Vol-I-Extension of Time	Please include the below mentioned provision in stated clause: (f) Any delay caused due to delay/failure in fulfilment of Employer's obligations . The contractor is entitled for extension of time along with reimbursement of additional cost incurred.	Provision of Bidding document shall remain unchanged
64	Appendix-1 (Terms And Procedures Of Payment) In Vol-I-Sample Forms And Procedures.	Appendix-1 (Terms And Procedures Of Payment) In Vol-I-Sample Forms And Procedures.	Please rephrase this clause as under: In case of delay in testing and commissioning & issuance of taking over certificate by Employer beyond One (1) month from the date of receipt of equipment at site, the last 10% of Ex-Works price of respective equipment shall be paid after issuance of a certificate by Employer's representative that the equipment have been received in good condition and on submission of a bank guarantee of equivalent amount, which shall be kept valid initially for a period of twelve (12) months or until three (3) months after the expected date of commissioning (in case it is possible to anticipate the same), whichever is earlier, provided all other conditions as per above are complied with by the Contractor. If the commissioning does not take place within the validity period of BG, the validity of BG shall be extended from time to time. The bank guarantee shall, however, be released within one month of successful commissioning of the respective equipment by the Employer."	Provision of Bidding document (Appendix-1 (TERMS AND PROCEDURES OF PAYMENT) in Vol-I-Sample forms and Procedures.) is amply clear and shall remain unchanged.
65	Appendix-1 (Terms And Procedures Of Payment) In Vol-I-Sample Forms And Procedures.	Appendix-1 (Terms And Procedures Of Payment) In Vol-I-Sample Forms And Procedures.	Please include provision of interest on delayed payments by Employer @ SBI PLR for the prevailing year.	Provision of Bidding document is amply clear and shall remain unchanged. Kindly refer Payment terms in this regard.
66	Clause no. 32.1 of GCC - Force Majeure	Clause no. 32.1 of GCC - Force Majeure	We understand that Epidemics/Pandemic such as Novel Coronavirus (e.g. COVID 19) etc., Terrorism, Bandhs, Infrastructure failures and Shortage of certain components required for the performance of the scope of work are covered under force majeure. Please Confirm.	Provision of Bidding document (GCC Force Majeure) is amply clear and shall remain unchanged.
67	Clause no. 31.1 of GCC - Change in Laws and Regulations	Clause no. 31.1 of GCC - Change in Laws and Regulations	We understand that, If any new law or regulation imposed social responsibility on Contractor which hamper the progress of work with financial burden out of Contract, the same shall be borne by Employer. Please Confirm.	GCC 31 (Change in Laws and regulations) is amply clear and shall govern accordingly.
68	Site Storage Facility	Site Storage Facility	We presume that space shall be provided at site for storage & site office construction at free of cost. Please confirm.	Section IV, GCC 5 (Contractor's Responsibilities) and GCC 6 (Employer's Responsibilities) states the responsibilities of either side. May please refer the same.
69	TCS	TCS	W.e.f. 01/10/2020, TCS is implemented . The seller is required to collect the TCS from buyer TCS @ .1% of sales consideration on sale of goods when Seller receives amount Rs 50 lakh from any single buyer in current financial year. In current tender, bidder will have to collect TCS on sale of goods @ 0.1% on value of goods excluding GST. Bidder will issue certificate to client and the same will be subject to credit to client However on service invoice no TCS will be applicable. Please confirm our understanding.	Bidder have to comply with all the statutory requirements.

Sr. No.	NAME OF THE DOCUMENTS	CLAUSE	BIDDER's QUERIES	POWERGRID Response
70	Clause 39-Section IV, SCC-Arbitration	Clause 39-Section IV, SCC-Arbitration	We request for settlement of disputes arising out of contract or in connection with the contract , to be settled with panel of three arbitrators, one from each party and a presiding arbitrator. Also the claim about shall not be the basis of deciding the number of arbitrators. Please confirm.	Provision of Bidding document is amply clear and shall remain unchanged.
71	GCC/SCC Clause 33, Section-IV & Section-V, Vol-I of Bidding Documents	GCC/SCC Clause 33, Section-IV & Section-V, Vol-I of Bidding Documents	As per referred clause " Percentage for the Change Proposal under this Clause shall be limited to Fifteen (15) percent". Hope the current change proposal is limited to the project duration. Kindly confirm our understanding.	Provision of Bidding document in this regard is amply clear. Bidders to refer the clause for better understanding.
72	12_Section-VI Sample Forms and Procedures (SFP), Appendix-1	-	The payment terms outlined for the civil scope of work currently follow the standard substation payment terms of PGCIL, where the civil work scope is smaller. We kindly request that the payment terms for the civil scope be revised to align with the previous HVDC Civil standards set by PGCIL, which do not include retention. This adjustment will improve cash flow and facilitate smoother project execution.	Provisions of the Bidding Document shall remain unchanged.

CLARIFICATION - III dated 05.12.2024 for 400kV GIS Package (Package-II) at KPS 3 (HVDC), South Olpad (HVDC) and Extn. of existing KPS3 (GIS) station including civil works associated with ± 500 kV, 2500 MW KPS-3 (HVDC) and South Olpad (HVDC) Scheme associated with Transmission System for Evacuation of Power from potential renewable energy zone in Khavda area of Gujarat under Phase-V (8GW): Part C through Tariff based Competitive (TBCB) route. Specification No: CC/T/W-GIS/DOM/A06/24/14461

S No.	Clause Ref.	Tender Document Clause	Query	POWERGRID Response
TECHNICAL QUERIES				
1	Section Civil 8.12	General Query	Kindly provide overall general arrangement layout for both the sites as clause (8.12.1) says fire wall shall be erected between the building & equipments if distance is less than 10 m. Kindly specify minimum firewall height requirements in different areas.	OGA layout and firewall details will be provided during detailed engineering. Bidder may quote as per bidding documents.
2	Section Civil 8.16.1	General Query	Kindly provide schematic layout and required sizes with tolerance for Valve Hall and DC Hall Building.	Layouts of Valve hall and DC hall building will be shared during detailed engineering. Bidder may quote as per bidding documents.
3	Section Civil 8.16.1	General Query	Please confirm for any additional mezzanine floor/ catwalk requirement for maintenance in valve hall and DC hall along with sizes and minimum width.	Details will be provided during detailed engineering. Bidder may quote as per bidding documents.
4	Section Civil 8.16.1(d)	d) FLOOR: In case of ceiling mounted valves, 150mm thick Grade slab shall be provided with top & bottom reinforcement of 8 dia bars @ 200 c/c bothways 50 mm thick ironite (Surface hardener) flooring shall be laid over RCC slab. In case of floor mounted valves, the details of RCC flooring shall be provided during detailed engineering.	We understand that cost of Floor i.e providing Grade Slab is included in Valve hall building rate quoted (per m2). Kindly confirm. Request you to provide clarity on whether we have to consider ceiling mounted or floor mounted valves. Since thickness of slab is given in case of ceiling mounted it can be included in cost while in case of floor mounted thickness of slab is not given same cannot be accurately included in the cost of Valve hall building in per m2. Since this requires clarity on floor finish, we are assuming the maximum for BOQ purpose. Kindly clarify or confirm.	The grade slab is included in valve hall building rate in BPS. However Excavation, PCC, RCC, reinforcement steel and miscellaneous structural steel required for grade slab in Valve hall building shall be paid separately as per BPS. Mounting of valves shall be decided during detailed engineering. In case of floor mounted valves, Excavation, PCC, RCC, reinforcement steel and miscellaneous structural steel for grade slab in Valve hall building shall be paid separately as per BPS. Bidder may quote as per BPS & provisions cited in bidding documents.
5		General Query	Please confirm if there is any other specific requirements for Main Service Building. Eg. Inspection window, fire ratings.	Inspection window to be provided as per OEM design of service building/ additional service building. The fire rating of inspection window shall be as per OEM design requirement/ minimum 3 hour whichever is higher.
6	Section Civil 8.16.2	General Query	Kindly provide schematic layout for Main service Building and additional service buildings.	Layouts will be provided during detailed engineering. Bidder may quote as per bidding documents.

CLARIFICATION - III dated 05.12.2024 for 400kV GIS Package (Package-II) at KPS 3 (HVDC), South Olpad (HVDC) and Extn. of existing KPS3 (GIS) station including civil works associated with ±500kV, 2500 MW KPS-3 (HVDC) and South Olpad (HVDC) Scheme associated with Transmission System for Evacuation of Power from potential renewable energy zone in Khavda area of Gujarat under Phase-V (8GW): Part C through Tariff based Competitive (TBCB) route. Specification No: CC/T/W-GIS/DOM/A06/24/14461

S No.	Clause Ref.	Tender Document Clause	Query	POWERGRID Response
7	Section Civil 8.16.2- 6.	General Query	Kindly specify maximum Main Service building height. Please confirm if 1600mm corridor width is sufficient as per norms.	The main service building detail like height, design etc. shall be provided during detailed engineering to the successful bidder. For corridor bidder may quote as per relevant bidding documents.
8	Section Civil 8.16.6	General Query	Kindly provide schematic layout for MV & LV Building	Layouts will be provided during detailed engineering. Bidder may quote as per bidding documents.
9	Section Civil 8.16.14	General Query	Kindly provide schmatic layout and building type for Deluge house and its usage and requirements to be cleared .	Deluge valve will be RCC framed structure with brickwork (conventional) and mainly be used for firefighting system. Bidder may quote as per relevant BPS item.
10	Section Civil 8.17.9	General Query	Kindly provide False floor requirment building wise.	Details will be provided during detailed engineering. Bidder may quote as per bidding documents.
11		General Query	Please confirm if this project requires CFO approval/fire NOC. Please share the list of statutory requirements in the scope of bidder.	The Fire NOC for electrical installation shall be in employer's scope
12		General Query	We understand that supply of Sandwiche Panel is in employer scope while its erection is in bidder scope. Kindly confirm.	The requirement cited in Technical Specification: I. Section-PROJECT: Clause no.1.3 :Detailed scope of work is ample clear. Bidder may quote as per provision of bidding documents.
13		General Query	Since it is not specified, we understand calcium silicate false ceiling tiles are optional to Non-VOC Acrylic Emulsion paint over approved primer on Gypsum Board. Kindly confirm.	Bidder may quote as per provision cited in bidding documents.
14		General Query	Please clarify loose or fixed furniture scope.	Furniture scope is not envisaged in this package. Furniture shall be provided by Employer.
15	Section Civil 8.16.2.1	External walls of all buildings shall either be with solid concrete block masonry (minimum 200 mm thick) or with brick masonry (minimum 230 mm thick) in cement sand mortar 1:6. The common wall between the Valve Halls and the Service Building shall be fire rated 230 mm brick wall.	As per clause 8.16.2.1, it is given brick wall , please specify fire rating of wall between Valve Hall and Service Building. By default 230mm brick wall is 2 hr fire rated.	The requirement cited in Technical Specification is ample clear. Bidder may quote as per provision of bidding documents.
16	Section Civil 8.16.2.6	All the doors, windows and ventilators of buildings and windows/ventilators provided on the outer face shall be of uPVC Frames with 5.5mm thick Glazing. Main entrance shall have frameless toughened glass door 12mm thick including door handle, locks, stopper, top & bottom pivot, double acting floor spring and other accessories. Doors shall be of double swing type. Glazed wall panels with uPVC frame shall be provided between control room and adjacent two rooms behind the operator seat to have a clear view. Glazing shall have fire rating of minimum 1 hour.	Please clarify specific fire rating requirements in doors & windows.	Please refer TS Section Civil 8.16.2.6 wherein the applicability and minimum requirements for Doors and windows have been clearly defined. For doors and windows, " Glazing shall have fire rating of minimum 1 hour. " Bidder may quote as per provision of bidding documents.

CLARIFICATION - III dated 05.12.2024 for 400kV GIS Package (Package-II) at KPS 3 (HVDC), South Olpad (HVDC) and Extn. of existing KPS3 (GIS) station including civil works associated with ±500kV, 2500 MW KPS-3 (HVDC) and South Olpad (HVDC) Scheme associated with Transmission System for Evacuation of Power from potential renewable energy zone in Khavda area of Gujarat under Phase-V (8GW): Part C through Tariff based Competitive (TBCB) route. Specification No: CC/T/W-GIS/DOM/A06/24/14461

S No.	Clause Ref.	Tender Document Clause	Query	POWERGRID Response
17	Section Civil 8.16.13	m) The present scope includes supply, erection, civil works, electrical works etc. with all materials, labor required to complete the building in all respect. The above requirements are minimum; the contractor can give superior / better products without any additional financial implication to POWERGRID. d) Roofing: 0.50mm Thk GI Trapezoidal profile sheet with 8mm polynum insulation (64 cum /Kg).	We understand that roofing sheet is in our scope , Kindly confirm if the roofing sheet will be double skinned or single skinned.	Refer Section Civil 8.16.13. Bidder may quote as per provision of bidding documents.
18	Section Civil 8.16.2.8.	SPECIAL PROVISIONS: (b) The façade of the service building shall be aesthetically pleasing consisting of 60% glass.	We are assuming 60% glass with painted over plastered brick/ blockwork/ EPS panel. Kindly Confirm.	AS per section civil 8.16.2.8.b) " <i>The facade of the service building shall be aesthetically pleasing consisting of 60% glass .</i> " Other details shall be provided during detailed engineering after finalisation of building design. Bidder may quote as per provision of bidding documents.
19	Section Civil 8.28. xiv.	General Query	Please confirm the minimum requirement/ area to be covered for Rain Water Harvesting system. Please confirm the resources for water supply and sewerage outlets.	Drawing for rainwater harvesting is enclosed in tender documents. Bidder may quote as per BPS item.
20		General Query	Please provide TRV value of circuit braker to be provided.	The standard GIS circuit breaker is envisaged
COMMERCIAL QUERIES				
21	12_ Section-VI Sample Forms and Procedures (SFP), Appendix 1	-	The payment terms outlined are same for Civil scope for DC & AC part and retention of DC civil is linked with AC bay commissioning which is logically not correct and may lead to many disparities during execution since AC work can be completed before DC work and thus as per clause retention shall be released before progress which is conflict of interest. Hence we request you to kindly revise payment terms for Civil Scope of work as per standard payment terms for	Provisions of the Bidding Document shall remain unchanged.

Tender Inviting Authority: BHEL TBG NOIDA

Name of Work: Powergrid's GIS pkg-II at KPS3

Enquiry/NIT No: NIT_87018_Enquiry No. 61Q2500406 Dated: 29-11-2024

Name of the Bidder/ Bidding Firm / Company :															
PRICE SCHEDULE (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)															
NUMBER #	TEXT #	TEXT #	NUMBER #	TEXT #	TEXT #	NUMBER #	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Item Code / Make	Quantity	Units	Quoted Currency in INR / Other Currency	Unit RATE In Figures To be entered by the Bidder in Rs. P	GST (in Percentage)	GST Amount (Unit Rate*Quantity* GST) Rs. P	Unit Freight & Insurance Charges in Rs. P	GST (in Percentage)	GST Amount on F&I (Unit Rate*Quantity*GST) Rs. P	HSN / SAC Code	TOTAL Ex-Works + F & I AMOUNT excluding GST in Rs. P	TOTAL Ex-Works + F & I AMOUNT including GST in Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	12	13	14	15	16	20	21	51	53	54	55
1.101	1. 400kV GIS AC station at KPS3 (HVDC) SUPPLY- GIS : 400KV, 63KA FOR 1S, GAS INSULATED SWITCHGEAR (GIS) AS PER TS (item sl. No. 1.1.01-1.1.12) 400KV, 3150A, 63KA, Single phase,SF6 Gas Insulated Bus Duct (GIB) outside GIS Hall alongwith associated support structure	item1	2500	Mtr	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.102	420kV, 3150 A, 63 kA, SF6 GIS Converter feeder bay module as per Section-Project, Technical specification	item2	2	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.103	420kV, 3150 A, 63 kA, SF6 GIS Tie bay module (of Converter Feeder) as per Section-Project, Technical specification	item3	2	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.104	420kV, 3150 A, 63 kA, SF6 GIS Line feeder bay module as per Section-Project, Technical specification	item4	4	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.105	420kV, 3150 A, 63 kA, SF6 GIS Tie bay module as per Section-Project, Technical specification	item5	4	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.106	420kV, 3150 A, 63 kA, SF6 GIS Reactor feeder bay module as per Section-Project, Technical specification	item6	2	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.107	420kV, 3150 A, 63 kA, SF6 GIS Transformer feeder bay module as per Section-Project, Technical specification	item7	2	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.108	420kV, 4000 A, 63 kA, SF6 GIS Bus sectionaliser module as per Section-Project, Technical specification	item8	2	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.109	420kV, 4000 A, 63 kA, SF6 GIS Busbar module as per Section-Project, Technical specification	item9	4	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.110	420kV GIS Interface Module for Future Extension of Bus Bar As per TS	item10	4	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.111	420KV, 3150A, 63kA Single Phase SF6 to Air bushing connecting GIS to AIS alongwith support structure	item11	30	EA	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.112	Local Control Cubicle (LCC)	item12	18	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.201	SUPPLY- GIS : SPECIAL TOOLS AND TESTING & MAINTENANCE INSTRUMENTS AS PER TS (Item sl. No: 1.2.01-1.2.03): SF6 Gas Processing unit	item13	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.202	Gas Analyzer [Dew Point Meter]	item14	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.203	SF6 gas leak detector	item15	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.301	SPARES- GIS : 400KV, 63KA FOR 1S, GAS INSULATED SWITCHGEAR (GIS) AS PER TS (Item sl. No. 1.3.01-1.3.52): 400KV GIS-SF6 GAS PRESSURE RELIEF DEVICE ASSEMBLY OF EACH TYPE with 'O' Rings	item16	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.302	SF6 PRESSURE GAUGE CUM SWITCH /DENSITY MONITORS AND PRESSURESWITCH AS APPLICABLE, OF EACH TYPE-400KV GIS	item17	2	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.303	COUPLING DEVICE FOR PRESSURE GAUGE CUM SWITCH FOR CONNECTINGGAS HANDLING PLANT OF EACH TYPE-400KV GIS	item18	2	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only

Tender Inviting Authority: BHEL TBG NOIDA

Name of Work: Powergrid's GIS pkg-II at KPS3

Enquiry/NIT No: NIT_87018_Enquiry No. 61Q2500406 Dated: 29-11-2024

Name of the Bidder/ Bidding Firm / Company :															
PRICE SCHEDULE (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)															
NUMBER #	TEXT #	TEXT #	NUMBER #	TEXT #	TEXT #	NUMBER #	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Item Code / Make	Quantity	Units	Quoted Currency in INR / Other Currency	Unit RATE In Figures To be entered by the Bidder in Rs. P	GST (in Percentage)	GST Amount (Unit Rate*Quantity* GST) Rs. P	Unit Freight & Insurance Charges in Rs. P	GST (in Percentage)	GST Amount on F&I (Unit Rate*Quantity*GST) Rs. P	HSN / SAC Code	TOTAL Ex-Works + F & I AMOUNT excluding GST in Rs. P	TOTAL Ex-Works + F & I AMOUNT including GST in Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	12	13	14	15	16	20	21	51	53	54	55
1.304	RUBBER GASKETS, 'O' RINGS AND SEALS FOR SF6 GAS FOR GISENCLOSURE OF EACH TYPE- 400KV GIS	item19	3	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.305	400KV GIS-MOLECULAR FILTER FOR SF6 GAS WITH FILTER BAGS (3 % OF TOTALWEIGHT)	item20	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.306	CONTROL VALVES FOR SF6 GAS OF EACH TYPE- 400KV GIS	item21	3	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.307	400KV GIS-SF6 GAS (5 % OF TOTAL GAS QUANTITY)	item22	1	LOT	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.308	LOCKING DEVICE TO KEEP THE DIS-CONNECTORS (ISOLATORS)AND EARTHING/FAST EARTHING SWITCHES IN CLOSE OR OPEN POSITION IN CASEOF REMOVAL OF THE DRIVING MECHANISM-400KV GIS	item23	3	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.309	UHF PD SENSORS OF EACH TYPE ALONG WITH BNC CONNECTOR FOR 420KV GIS	item24	5	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.310	400KV GIS-SUPPORT INSULATORS (GAS THROUGH) OF EACH TYPE (COMPLETE WITHMETAL RING ETC.) ALONG WITH ASSOCIATED CONTACTS AND SHIELDS	item25	3	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.311	400KV GIS-GAS BARRIERS OF EACH TYPE (COMPLETE WITH METAL RING ETC.)ALONG WITH ASSOCIATED CONTACTS AND SHIELDS	item26	3	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.312	420KV, 3150A, 63kA Single phase SF6 to Air bushing of each type	item27	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.313	LCC SPARES - AUX. RELAYS, CONTACTORS,PUSH BUTTONS, SWITCHES,LAMPS,ANNUNCIATION WINDOWS, MCB, FUSES,TIMERS, TERMINAL BLOCKS ETC. OF EACHTYPE & RATING-400kV GIS	item28	2	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.314	400KV GIS-ONE POLE OF 3150A CIRCUIT BREAKER WITHOUT PIR WITHINTERRUPTER, MAIN CIRCUIT, ENCLOSURE AND OPERATING MECHANISM COMPLETEIN ALL RESPECT	item29	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.315	400KV GIS-ONE POLE OF 4000A CIRCUIT BREAKER WITHOUT PIR WITHINTERRUPTER, MAIN CIRCUIT, ENCLOSURE AND OPERATING MECHANISM COMPLETEIN ALL RESPECT	item30	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.316	Trip coil assembly with resistor for420kV GIS Circuit Breaker (asapplicable)	item31	3	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.317	Closing coil assembly with resistor for420kV GIS Circuit Breaker (asapplicable)	item32	3	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.318	Ferrules, Joints & Coupling of each type for CB	item33	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.319	Window slope/ observing glass each type	item34	3	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.320	RELAYS, POWER CONTACTORS, PUSH BUTTONS, TIMERS & MCBS ETC. (ASAPPLICABLE) OF EACH TYPE FOR 400KV GIS CIRCUIT BREAKER	item35	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.321	Auxiliary switch assembly of each type for 420kV GIS Circuit Breaker	item36	3	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.322	400KV GiS CIRCUIT BREAKER-OPERATION COUNTER Each Type	item37	3	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.323	400KV GIS CIRCUIT BREAKER-HYDRAULIC OPERATING MECHANISM WITH DRIVEMOTOR (FOR HYDRAULIC OPERATED MECHANISM, IF APPLICABLE)	item38	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only

Tender Inviting Authority: BHEL TBG NOIDA

Name of Work: Powergrid's GIS pkg-II at KPS3

Enquiry/NIT No: NIT_87018_Enquiry No. 61Q2500406 Dated: 29-11-2024

Name of the Bidder/ Bidding Firm / Company :															
PRICE SCHEDULE (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)															
NUMBER #	TEXT #	TEXT #	NUMBER #	TEXT #	TEXT #	NUMBER #	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Item Code / Make	Quantity	Units	Quoted Currency in INR / Other Currency	Unit RATE In Figures To be entered by the Bidder in Rs. P	GST (in Percentage)	GST Amount (Unit Rate*Quantity* GST) Rs. P	Unit Freight & Insurance Charges in Rs. P	GST (in Percentage)	GST Amount on F&I (Unit Rate*Quantity*GST) Rs. P	HSN / SAC Code	TOTAL Ex-Works + F & I AMOUNT excluding GST in Rs. P	TOTAL Ex-Works + F & I AMOUNT including GST in Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	12	13	14	15	16	20	21	51	53	54	55
1.324	HYDRAULIC FILTER OF EACH TYPE (FOR HYDRAULIC OPERATED MECHANISM, IFAPPLICABLE)-400KV GIS CIRCUIT BREKAER	item39	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.325	400KV GIS CIRCUIT BREAKER- HOSE PIPE OF EACH TYPE (AS APPLICABLE) (FORHYDRAULIC OPERATED MECHANISM, IF APPLICABLE)	item40	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.326	400KV GIS CIRCUIT BREAKER - N2 ACCUMULATOR (FOR HYDRAULIC OPERATEDMECHANISM, IF APPLICABLE)	item41	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.327	VALVES OF EACH TYPE (FOR HYDRAULIC OPERATED MECHANISM, IFAPPLICABLE)-400KV GIS CIRCUIT BREKAER	item42	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.328	PIPE LENGTH (COPPER & STEEL) OF EACH SIZE & TYPE (FOR HYDRAULICOPERATED MECHANISM, IF APPLICABLE)-400KV GIS CIRCUIT BREKAER	item43	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.329	PRESSURE SWITCHES OF EACH TYPE (FOR HYDRAULIC OPERATED MECHANISM, IFAPPLICABLE)-400KV GIS CIRCUIT BREKAER	item44	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.330	PRESSURE GAUGE WITH COUPLING DEVICE OF EACH TYPE (FOR HYDRAULICOPERATED MECHANISM, IF APPLICABLE)-400KV GIS CIRCUIT BREKAER	item45	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.331	400KV GIS CIRCUIT BREAKER-HYDRAULIC OIL (5% OF TOTAL OIL QUANTITY)(FOR HYDRAULIC OPERATED MECHANISM, IF APPLICABLE)	item46	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.332	PRESSURE RELIEF DEVICE OF EACH TYPE (FOR HYDRAULIC OPERATED MECHANISM,IF APPLICABLE)-400KV GIS CIRCUIT BREKAER	item47	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.333	400KV GIS CIRCUIT BREAKER-COMPLETE SPRING OPERATING MECHANISMINCLUDING CHARGING MECHANISM ETC. (FOR SPRING OPERATED MECHANISM, IFAPPLICABLE) of each type	item48	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.334	400kv GIS- Single phase or 3 phase disconnect switch including maincircuit, enclosure, driving mechanismand support insulator etc., complete inall respect (Note 1- The contractorshall supply spare for disconnectorswitch to ensure one to one replacementof all disconnecter switch supplied asmain equipment without any requirementof modification in fittings at site tocover all different types ofdisconnecter switch supplied. In case,quantity of supplied dis-connectorswitch types (for one to onereplacement) are more than the quantitymentioned in BPS for spare, thecontractor shall supply theseadditional types of disconnecter switchwithout any additional priceimplication to POWERGRID and quantitiesof these additional type ofdisconnecter switch are deem to beincluded in the quantities mentioned inBPS for spare disconnecter. Note 2 - Incase, Dis-connector Switch (DS) & EarthSwitch (ES) is provided in a sameenclosure with common operatingmechanism, then the module comprisingof Dis-connector & Earth switch insingle enclosure with common operating mechanism is to be provided under	item49	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only

Tender Inviting Authority: BHEL TBG NOIDA

Name of Work: Powergrid's GIS pkg-II at KPS3

Enquiry/NIT No: NIT_87018_Enquiry No. 61Q2500406 Dated: 29-11-2024

Name of the Bidder/ Bidding Firm / Company :															
PRICE SCHEDULE (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)															
NUMBER #	TEXT #	TEXT #	NUMBER #	TEXT #	TEXT #	NUMBER #	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Item Code / Make	Quantity	Units	Quoted Currency in INR / Other Currency	Unit RATE In Figures To be entered by the Bidder in Rs. P	GST (in Percentage)	GST Amount (Unit Rate*Quantity* GST) Rs. P	Unit Freight & Insurance Charges in Rs. P	GST (in Percentage)	GST Amount on F&I (Unit Rate*Quantity*GST) Rs. P	HSN / SAC Code	TOTAL Ex-Works + F & I AMOUNT excluding GST in Rs. P	TOTAL Ex-Works + F & I AMOUNT including GST in Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	12	13	14	15	16	20	21	51	53	54	55
1.335	400KV GIS- SINGLE PHASE MAINTENANCE EARTHING SWITCH INCLUDING MAINCIRCUIT, ENCLOSURE, DRIVING MECHANISM AND SUPPORT INSULATOR ETC.,COMPLETE IN ALL RESPECT (NOTE 1 - IN CASE, DIS-CONNECTOR SWITCH (DS) &EARTH SWITCH (ES) IS PROVIDED IN A SAME ENCLOSURE WITH COMMONOPERATING MECHANISM, THEN THE MODULE COMPRISING OF DIS-CONNECTOR &EARTH SWITCH IN SINGLE ENCLOSURE WITH COMMON OPERATING MECHANISM IS TOBE PROVIDED UNDER THE HEAD OF SPARE DIS-CONNECTOR ONLY. NOTE 2 - INCASE, DIS-CONNECTOR SWITCH (DS) & EARTH SWITCH (ES) IS PROVIDED IN ASAME ENCLOSURE WITH SEPARATE OPERATING MECHANISM, THEN THE MODULECOMPRISING OF DIS-CONNECTOR & EARTH SWITCH IN SINGLE ENCLOSURE WITHSEPARATE OPERATING MECHANISM IS TO BE PROVIDED UNDER THE HEAD OF SPAREDIS-CONNECTOR ONLY.)	item50	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.336	400KV GIS - SINGLE PHASE FAST EARTHING SWITCH INCLUDING MAIN CIRCUIT,ENCLOSURE, DRIVING MECHANISM AND SUPPORT INSULATOR ETC., COMPLETE INALL RESPECT (NOTE 1 - IN CASE, DIS-CONNECTOR SWITCH (DS) & EARTH SWITCH (ES) IS PROVIDED IN A SAME ENCLOSURE WITH COMMON OPERATINGMECHANISM, THEN THE MODULE COMPRISING OF DIS-CONNECTOR & EARTH SWITCHIN SINGLE ENCLOSURE WITH COMMON OPERATING MECHANISM IS TO BE PROVIDEDUNDER THE HEAD OF SPARE DIS-CONNECTOR ONLY. NOTE 2 - IN CASE,DIS-CONNECTOR SWITCH (DS) & EARTH SWITCH (ES) IS PROVIDED IN A SAMEENCLOSURE WITH SEPARATE OPERATING MECHANISM, THEN THE MODULECOMPRISING OF DIS-CONNECTOR & EARTH SWITCH IN SINGLE ENCLOSURE WITHSEPARATE OPERATING MECHANISM IS TO BE PROVIDED UNDER THE HEAD OF SPAREDIS-CONNECTOR ONLY.)	item51	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.337	OPEN/CLOSE CONTACTOR ASSEMBLY, TIMERS, KEY INTERLOCK, INTERLOCKINGCOILS, RELAYS, PUSH BUTTONS, INDICATING LAMPS, POWER CONTACTORS,RESISTORS, FUSES, MCBS & DRIVE CONTROL CARDS ETC. (AS APPLICABLE) ONEOF EACH TYPE FOR ONE COMPLETE MOM BOX FOR 400KV GIS DISCONNECTORSWITCH	item52	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only

Tender Inviting Authority: BHEL TBG NOIDA

Name of Work: Powergrid's GIS pkg-II at KPS3

Enquiry/NIT No: NIT_87018_Enquiry No. 61Q2500406 Dated: 29-11-2024

Name of the Bidder/ Bidding Firm / Company :															
PRICE SCHEDULE (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)															
NUMBER #	TEXT #	TEXT #	NUMBER #	TEXT #	TEXT #	NUMBER #	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Item Code / Make	Quantity	Units	Quoted Currency in INR / Other Currency	Unit RATE In Figures To be entered by the Bidder in Rs. P	GST (in Percentage)	GST Amount (Unit Rate*Quantity* GST) Rs. P	Unit Freight & Insurance Charges in Rs. P	GST (in Percentage)	GST Amount on F&I (Unit Rate*Quantity*GST) Rs. P	HSN / SAC Code	TOTAL Ex-Works + F & I AMOUNT excluding GST in Rs. P	TOTAL Ex-Works + F & I AMOUNT including GST in Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	12	13	14	15	16	20	21	51	53	54	55
1.338	OPEN/CLOSE CONTACTOR ASSEMBLY, TIMERS, KEY INTERLOCK, INTERLOCKINGCOILS, RELAYS, PUSH BUTTONS, INDICATING LAMPS, POWER CONTACTORS,RESISTORS, FUSES, MCBS & DRIVE CONTROL CARDS ETC. (AS APPLICABLE) ONEOF EACH TYPE FOR ONE COMPLETE MOM BOX FOR 400KV GIS MAINTENANCE EARTHSWITCH	item53	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.339	OPEN/CLOSE CONTACTOR ASSEMBLY, TIMERS, KEY INTERLOCK, INTERLOCKINGCOILS, RELAYS, PUSH BUTTONS, INDICATING LAMPS, POWER CONTACTORS,RESISTORS, FUSES, MCBS & DRIVE CONTROL CARDS ETC. (AS APPLICABLE) ONEOF EACH TYPE FOR ONE COMPLETE MOM BOX FOR 400KV GIS FAST EARTHINGSWITCH	item54	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.340	LIMIT SWITCHES AND AUX. SWITCHES FOR ONE COMPLETE MOM BOX FORDISCONNECTOR-400KV GIS	item55	2	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.341	LIMIT SWITCHES AND AUX. SWITCHES FOR ONE COMPLETE MOM BOX FORMAINTENANCE EARTHING SWITCH-400KV GIS	item56	2	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.342	LIMIT SWITCHES AND AUX. SWITCHES FOR ONE COMPLETE MOM BOX FOR FASTEARTHING SWITCH (IF APPLICABLE)-400KV GIS	item57	2	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.343	DRIVE MECHANISM FOR 400KV GIS DISCONNECTOR SWITCH	item58	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.344	DRIVE MECHANISM FOR 400KV GIS MAINTENANCE EARTH SWITCH	item59	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.345	DRIVE MECHANISM FOR 400KV GIS FAST EARTHING SWITCH	item60	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.346	MOTOR FOR DRIVE MECHANISM FOR 400KV GIS DISCONNECTOR SWITCH	item61	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.347	MOTOR FOR DRIVE MECHANISM FOR 400KVGIS MAINTENANCE EARTH SWITCH	item62	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.348	MOTOR FOR DRIVE MECHANISM FOR 400KV GIS FAST EARTHING SWITCH	item63	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.349	400KV GIS- SINGLE PHASE OF CURRENT TRANSFORMER (3 CORES, TYPE-CTA)WITH ASSOCIATED ENCLOSURE AND PRIMARY CONDUCTOR COMPLETE IN ALLRESPECT	item64	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.350	400KV GIS- SINGLE PHASE OF CURRENT TRANSFORMER (2 CORES, TYPE-CTB)WITH ASSOCIATED ENCLOSURE AND PRIMARY CONDUCTOR COMPLETE IN ALLRESPECT	item65	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.351	GIS SPARES: 400KV GIS- SINGLE PHASE VT WITH ASSOCIATED ENCLOSURE COMPLETE IN ALL RESPECT	item66	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.352	GIS SPARES: 400KV GIS- SINGLE PHASE LA WITH ASSOCIATED ENCLOSURE COMPLETE IN ALL RESPECT	item67	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only

Tender Inviting Authority: BHEL TBG NOIDA

Name of Work: Powergrid's GIS pkg-II at KPS3

Enquiry/NIT No: NIT_87018_Enquiry No. 61Q2500406 Dated: 29-11-2024

Name of the Bidder/ Bidding Firm / Company :															
PRICE SCHEDULE (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)															
NUMBER #	TEXT #	TEXT #	NUMBER #	TEXT #	TEXT #	NUMBER #	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Item Code / Make	Quantity	Units	Quoted Currency in INR / Other Currency	Unit RATE In Figures To be entered by the Bidder in Rs. P	GST (in Percentage)	GST Amount (Unit Rate*Quantity* GST) Rs. P	Unit Freight & Insurance Charges in Rs. P	GST (in Percentage)	GST Amount on F&I (Unit Rate*Quantity*GST) Rs. P	HSN / SAC Code	TOTAL Ex-Works + F & I AMOUNT excluding GST in Rs. P	TOTAL Ex-Works + F & I AMOUNT including GST in Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	12	13	14	15	16	20	21	51	53	54	55
2.101	2. 400kV GIS AC station at KPS-3 STATION (EXTN) SUPPLY- GIS : 400KV, 63KA FOR 1S, GAS INSULATED SWITCHGEAR (GIS) AS PER TS (Item sl. No. 2.1.01-2.1.08): 400KV, 3150A, 63KA, Single phase,SF6 Gas Insulated Bus Duct (GIB) outside GIS Hall alongwith associated support structure	item68	3000	Mtr	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.102	420kV, 3150 A, 63 kA, SF6 GIS Line feeder bay module as per Section-Project, Technical specification	item69	4	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.103	420kV, 3150 A, 63 kA, SF6 GIS Tie bay module as per Section-Project, Technical specification	item70	4	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.104	420kV, 4000 A, 63 kA, SF6 GIS Bus extension as per Section-Project, Technical specification	item71	4	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.105	400KV, 4000A, 63KA, Single phase,SF6 Gas Insulated Bus Duct (GIB) outside GIS Hall alongwith associated support structure	item72	60	Mtr	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.106	420kV GIS Interface Module for Future Extension of Bus Bar As per TS	item73	4	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.107	420KV, 3150A, 63kA Single Phase SF6 to Air bushing connecting GIS to AIS alongwith support structure	item74	12	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.108	Local Control Cubicle (LCC)	item75	8	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.101	3. 400kV AC GIS Extension South Olpad SUPPLY- GIS : 400KV, 63KA FOR 1S, GAS INSULATED SWITCHGEAR (GIS) AS PER TS (Item sl. No. 3.1.01-3.1.07): 400KV, 3150A, 63KA, Single phase,SF6 Gas Insulated Bus Duct (GIB) outside GIS Hall alongwith associated support structure	item76	600	Mtr	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.102	420kV, 3150A, 63 kA, SF6 GIS Converter feeder bay module as per Section-Project, Technical specification	item77	2	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.103	420kV, 3150A, 63 kA, SF6 GIS Tie bay module (of Converter Feeder) as per Section-Project, Technical specification	item78	2	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.104	420kV, 4000 A, 63 kA, SF6 GIS Bus extension as per Section-Project, Technical specification	item79	2	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.105	420kV GIS Interface Module for Future Extension of Bus Bar As per TS	item80	2	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.106	420KV, 3150A, 63kA Single Phase SF6 to Air bushing connecting GIS to AIS alongwith associated support structure	item81	6	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.107	Local Control Cubicle (LCC)	item82	4	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.201	SUPPLY- GIS : SPECIAL TOOLS AND TESTING & MAINTENANCE INSTRUMENTS AS PER TS (Item Sl. No. 3.2.01-3.2.03): SF6 Gas Processing unit	item83	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.202	Gas Analyzer [Dew Point Meter]	item84	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.203	SF6 gas leak detector	item85	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only

Tender Inviting Authority: BHEL TBG NOIDA

Name of Work: Powergrid's GIS pkg-II at KPS3

Enquiry/NIT No: NIT_87018_Enquiry No. 61Q2500406 Dated: 29-11-2024

Name of the Bidder/ Bidding Firm / Company :															
PRICE SCHEDULE (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)															
NUMBER #	TEXT #	TEXT #	NUMBER #	TEXT #	TEXT #	NUMBER #	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Item Code / Make	Quantity	Units	Quoted Currency in INR / Other Currency	Unit RATE In Figures To be entered by the Bidder in Rs. P	GST (in Percentage)	GST Amount (Unit Rate*Quantity* GST) Rs. P	Unit Freight & Insurance Charges in Rs. P	GST (in Percentage)	GST Amount on F&I (Unit Rate*Quantity*GST) Rs. P	HSN / SAC Code	TOTAL Ex-Works + F & I AMOUNT excluding GST in Rs. P	TOTAL Ex-Works + F & I AMOUNT including GST in Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	12	13	14	15	16	20	21	51	53	54	55
3.301	SPARES- GIS : 400KV, 63KA FOR 1S, GAS INSULATED SWITCHGEAR (GIS) AS PER TS (Item sl. No. 3.3.01-3.3.52): 400KV GIS-SF6 GAS PRESSURE RELIEF DEVICE ASSEMBLY OF EACH TYPE with 'O' Rings	item86	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.302	SF6 PRESSURE GAUGE CUM SWITCH /DENSITY MONITORS AND PRESSURESWITCH AS APPLICABLE, OF EACH TYPE-400KV GIS	item87	2	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.303	COUPLING DEVICE FOR PRESSURE GAUGE CUM SWITCH FOR CONNECTINGGAS HANDLING PLANT OF EACH TYPE-400KV GIS	item88	2	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.304	RUBBER GASKETS, 'O' RINGS AND SEALS FOR SF6 GAS FOR GISENCLOSURE OF EACH TYPE- 400KV GIS	item89	3	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.305	400KV GIS-MOLECULAR FILTER FOR SF6 GAS WITH FILTER BAGS (3 % OF TOTALWEIGHT)	item90	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.306	CONTROL VALVES FOR SF6 GAS OF EACH TYPE- 400KV GIS	item91	3	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.307	400KV GIS-SF6 GAS (5 % OF TOTAL GAS QUANTITY)	item92	1	LOT	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.308	LOCKING DEVICE TO KEEP THE DIS-CONNECTORS (ISOLATORS)AND EARTHING/FAST EARTHING SWITCHES IN CLOSE OR OPEN POSITION IN CASEOF REMOVAL OF THE DRIVING MECHANISM-400KV GIS	item93	3	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.309	UHF PD SENSORS OF EACH TYPE ALONG WITH BNC CONNECTOR FOR 420KV GIS	item94	5	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.310	400KV GIS-SUPPORT INSULATORS (GAS THROUGH) OF EACH TYPE (COMPLETE WITHMETAL RING ETC.) ALONG WITH ASSOCIATED CONTACTS AND SHIELDS	item95	3	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.311	400KV GIS-GAS BARRIERS OF EACH TYPE (COMPLETE WITH METAL RING ETC.)ALONG WITH ASSOCIATED CONTACTS AND SHIELDS	item96	3	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.312	420KV, 3150A, 63kA Single phase SF6 to Air bushing of each type	item97	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.313	LCC SPARES - AUX. RELAYS, CONTACTORS,PUSH BUTTONS, SWITCHES,LAMPS,ANNUNCIATION WINDOWS, MCB, FUSES,TIMERS, TERMINAL BLOCKS ETC. OF EACHTYPE & RATING-400kv GIS	item98	2	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.314	400KV GIS-ONE POLE OF 3150A CIRCUIT BREAKER WITHOUT PIR WITHINTERRUPTER, MAIN CIRCUIT, ENCLOSURE AND OPERATING MECHANISM COMPLETEIN ALL RESPECT	item99	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.315	400KV GIS-ONE POLE OF 4000A CIRCUIT BREAKER WITHOUT PIR WITHINTERRUPTER, MAIN CIRCUIT, ENCLOSURE AND OPERATING MECHANISM COMPLETEIN ALL RESPECT	item100	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.316	Trip coil assembly with resistor for420kv GIS Circuit Breaker (asapplicable)	item101	3	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.317	Closing coil assembly with resistor for420kv GIS Circuit Breaker (asapplicable)	item102	3	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.318	Ferrules, Joints & Coupling of each type for CB	item103	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.319	Window slope/ observing glass each type	item104	3	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only

Tender Inviting Authority: BHEL TBG NOIDA

Name of Work: Powergrid's GIS pkg-II at KPS3

Enquiry/NIT No: NIT_87018_Enquiry No. 61Q2500406 Dated: 29-11-2024

Name of the Bidder/ Bidding Firm / Company :																	
PRICE SCHEDULE (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)																	
NUMBER #	TEXT #	TEXT #	NUMBER #	TEXT #	TEXT #	NUMBER #	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER #	NUMBER #	NUMBER #	TEXT #		
Sl. No.	Item Description	Item Code / Make	Quantity	Units	Quoted Currency in INR / Other Currency	Unit RATE In Figures To be entered by the Bidder in Rs. P	GST (in Percentage)	GST Amount (Unit Rate*Quantity* GST) Rs. P	Unit Freight & Insurance Charges in Rs. P	GST (in Percentage)	GST Amount on F&I (Unit Rate*Quantity*GST) Rs. P	HSN / SAC Code	TOTAL Ex-Works + F & I AMOUNT excluding GST in Rs. P	TOTAL Ex-Works + F & I AMOUNT including GST in Rs. P	TOTAL AMOUNT In Words		
1	2	3	4	5	12	13	14	15	16	20	21	51	53	54	55		
3.320	RELAYS, POWER CONTACTORS, PUSH BUTTONS, TIMERS & MCBS ETC. (ASAPPLICABLE) OF EACH TYPE FOR 400KV GIS CIRCUIT BREAKER	item105	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only		
3.321	Auxiliary switch assembly of each type for 420kV GIS Circuit Breaker	item106	3	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only		
3.322	400KV GIS CIRCUIT BREAKER-OPERATION COUNTER Each Type	item107	3	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only		
3.323	400KV GIS CIRCUIT BREAKER-HYDRAULIC OPERATING MECHANISM WITH DRIVEMOTOR (FOR HYDRAULIC OPERATED MECHANISM, IF APPLICABLE)	item108	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only		
3.324	HYDRAULIC FILTER OF EACH TYPE (FOR HYDRAULIC OPERATED MECHANISM, IFPPLICABLE)-400KV GIS CIRCUIT BREKAER	item109	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only		
3.325	400KV GIS CIRCUIT BREAKER- HOSE PIPE OF EACH TYPE (AS APPLICABLE) (FORHYDRAULIC OPERATED MECHANISM, IF APPLICABLE)	item110	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only		
3.326	400KV GIS CIRCUIT BREAKER - N2 ACCUMULATOR (FOR HYDRAULIC OPERATEDMECHANISM, IF APPLICABLE)	item111	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only		
3.327	VALVES OF EACH TYPE (FOR HYDRAULIC OPERATED MECHANISM, IFAPPLICABLE)-400KV GIS CIRCUIT BREKAER	item112	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only		
3.328	PIPE LENGTH (COPPER & STEEL) OF EACH SIZE & TYPE (FOR HYDRAULICOPERATED MECHANISM, IF APPLICABLE)-400KV GIS CIRCUIT BREKAER	item113	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only		
3.329	PRESSURE SWITCHES OF EACH TYPE (FOR HYDRAULIC OPERATED MECHANISM, IFAPPLICABLE)-400KV GIS CIRCUIT BREKAER	item114	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only		
3.330	PRESSURE GAUGE WITH COUPLING DEVICE OF EACH TYPE (FOR HYDRAULICOPERATED MECHANISM, IF APPLICABLE)-400KV GIS CIRCUIT BREKAER	item115	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only		
3.331	400KV GIS CIRCUIT BREAKER-HYDRAULIC OIL (5% OF TOTAL OIL QUANTITY)(FOR HYDRAULIC OPERATED MECHANISM, IF APPLICABLE)	item116	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only		
3.332	PRESSURE RELIEF DEVICE OF EACH TYPE (FOR HYDRAULIC OPERATED MECHANISM,IF APPLICABLE)-400KV GIS CIRCUIT BREKAER	item117	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only		
3.333	400KV GIS CIRCUIT BREAKER-COMPLETE SPRING OPERATING MECHANISMINCLUDING CHARGING MECHANISM ETC. (FOR SPRING OPERATED MECHANISM, IFAPPLICABLE) of each type	item118	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only		

Tender Inviting Authority: BHEL TBG NOIDA

Name of Work: Powergrid's GIS pkg-II at KPS3

Enquiry/NIT No: NIT_87018_Enquiry No. 61Q2500406 Dated: 29-11-2024

Name of the Bidder/ Bidding Firm / Company :															
<div>PRICE SCHEDULE</div> <div>(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)</div>															
NUMBER #	TEXT #	TEXT #	NUMBER #	TEXT #	TEXT #	NUMBER #	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Item Code / Make	Quantity	Units	Quoted Currency in INR / Other Currency	Unit RATE In Figures To be entered by the Bidder in Rs. P	GST (in Percentage)	GST Amount (Unit Rate*Quantity* GST) Rs. P	Unit Freight & Insurance Charges in Rs. P	GST (in Percentage)	GST Amount on F&I (Unit Rate*Quantity*GST) Rs. P	HSN / SAC Code	TOTAL Ex-Works + F & I AMOUNT excluding GST in Rs. P	TOTAL Ex-Works + F & I AMOUNT including GST in Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	12	13	14	15	16	20	21	51	53	54	55
3.334	400KV GIS- Single phase or 3150A disconnector switch including maincircuit, enclosure, driving mechanism and support insulator etc., complete in all respect (Note 1- The contractor shall supply spare for disconnector switch to ensure one to one replacement of all disconnector switch supplied as main equipment without any requirement of modification in fittings at site to cover all different types of disconnector switch supplied. In case, quantity of supplied dis-connectors switch types (for one to one replacement) are more than the quantity mentioned in BPS for spare, the contractor shall supply these additional types of disconnector switch without any additional price implication to POWERGRID and quantities of these additional type of disconnector switch are deemed to be included in the quantities mentioned in BPS for spare disconnector. Note 2 - In case, Dis-connector Switch (DS) & Earth Switch (ES) is provided in a same enclosure with common operating mechanism, then the module comprising of Dis-connector & Earth switch in single enclosure with common operating mechanism is to be provided under the head of spare disconnector only. Note 2 - In case, Dis-connector Switch (DS) & Earth Switch (ES) is provided in a same enclosure with common operating mechanism, then the module comprising of Dis-connector & Earth switch in single enclosure with common operating mechanism is to be provided under the head of spare disconnector only.)	item119	1	SET	INR		0.00				0.00		0.000	0.000	INR Zero Only
3.335	400KV GIS- SINGLE PHASE MAINTENANCE EARTHING SWITCH INCLUDING MAINCIRCUIT, ENCLOSURE, DRIVING MECHANISM AND SUPPORT INSULATOR ETC., COMPLETE IN ALL RESPECT (NOTE 1 - IN CASE, DIS-CONNECTOR SWITCH (DS) & EARTH SWITCH (ES) IS PROVIDED IN A SAME ENCLOSURE WITH COMMON OPERATING MECHANISM, THEN THE MODULE COMPRISING OF DIS-CONNECTOR & EARTH SWITCH IN SINGLE ENCLOSURE WITH COMMON OPERATING MECHANISM IS TO BE PROVIDED UNDER THE HEAD OF SPARE DIS-CONNECTOR ONLY. NOTE 2 - IN CASE, DIS-CONNECTOR SWITCH (DS) & EARTH SWITCH (ES) IS PROVIDED IN A SAME ENCLOSURE WITH SEPARATE OPERATING MECHANISM, THEN THE MODULE COMPRISING OF DIS-CONNECTOR & EARTH SWITCH IN SINGLE ENCLOSURE WITH SEPARATE OPERATING MECHANISM IS TO BE PROVIDED UNDER THE HEAD OF SPARE DIS-CONNECTOR ONLY.)	item120	1	SET	INR		0.00				0.00		0.000	0.000	INR Zero Only

Tender Inviting Authority: BHEL TBG NOIDA

Name of Work: Powergrid's GIS pkg-II at KPS3

Enquiry/NIT No: NIT_87018_Enquiry No. 61Q2500406 Dated: 29-11-2024

Name of the Bidder/ Bidding Firm / Company :															
PRICE SCHEDULE (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)															
NUMBER #	TEXT #	TEXT #	NUMBER #	TEXT #	TEXT #	NUMBER #	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Item Code / Make	Quantity	Units	Quoted Currency in INR / Other Currency	Unit RATE In Figures To be entered by the Bidder in Rs. P	GST (in Percentage)	GST Amount (Unit Rate*Quantity* GST) Rs. P	Unit Freight & Insurance Charges in Rs. P	GST (in Percentage)	GST Amount on F&I (Unit Rate*Quantity*GST) Rs. P	HSN / SAC Code	TOTAL Ex-Works + F & I AMOUNT excluding GST in Rs. P	TOTAL Ex-Works + F & I AMOUNT including GST in Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	12	13	14	15	16	20	21	51	53	54	55
3.336	400KV GIS - SINGLE PHASE FAST EARTHING SWITCH INCLUDING MAIN CIRCUIT,ENCLOSURE, DRIVING MECHANISM AND SUPPORT INSULATOR ETC., COMPLETE INALL RESPECT (NOTE 1 - IN CASE, DIS-CONNECTOR SWITCH (DS) & EARTH SWITCH (ES) IS PROVIDED IN A SAME ENCLOSURE WITH COMMON OPERATINGMECHANISM, THEN THE MODULE COMPRISING OF DIS-CONNECTOR & EARTH SWITCHIN SINGLE ENCLOSURE WITH COMMON OPERATING MECHANISM IS TO BE PROVIDEDUNDER THE HEAD OF SPARE DIS-CONNECTOR ONLY. NOTE 2 - IN CASE,DIS-CONNECTOR SWITCH (DS) & EARTH SWITCH (ES) IS PROVIDED IN A SAMEENCLOSURE WITH SEPARATE OPERATING MECHANISM, THEN THE MODULECOMPRISING OF DIS-CONNECTOR & EARTH SWITCH IN SINGLE ENCLOSURE WITHSEPARATE OPERATING MECHANISM IS TO BE PROVIDED UNDER THE HEAD OF SPAREDIS-CONNECTOR ONLY.)	item121	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.337	OPEN/CLOSE CONTACTOR ASSEMBLY, TIMERS, KEY INTERLOCK, INTERLOCKINGCOILS, RELAYS, PUSH BUTTONS, INDICATING LAMPS, POWER CONTACTORS,RESISTORS, FUSES, MCBS & DRIVE CONTROL CARDS ETC. (AS APPLICABLE) ONEOF EACH TYPE FOR ONE COMPLETE MOM BOX FOR 400KV GIS DISCONNECTORSWITCH	item122	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.338	OPEN/CLOSE CONTACTOR ASSEMBLY, TIMERS, KEY INTERLOCK, INTERLOCKINGCOILS, RELAYS, PUSH BUTTONS, INDICATING LAMPS, POWER CONTACTORS,RESISTORS, FUSES, MCBS & DRIVE CONTROL CARDS ETC. (AS APPLICABLE) ONEOF EACH TYPE FOR ONE COMPLETE MOM BOX FOR 400KV GIS MAINTENANCE EARTH SWITCH	item123	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.339	OPEN/CLOSE CONTACTOR ASSEMBLY, TIMERS, KEY INTERLOCK, INTERLOCKINGCOILS, RELAYS, PUSH BUTTONS, INDICATING LAMPS, POWER CONTACTORS,RESISTORS, FUSES, MCBS & DRIVE CONTROL CARDS ETC. (AS APPLICABLE) ONEOF EACH TYPE FOR ONE COMPLETE MOM BOX FOR 400KV GIS FAST EARTHINGSWITCH	item124	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.340	LIMIT SWITCHES AND AUX. SWITCHES FOR ONE COMPLETE MOM BOX FORDISCONNECTOR-400KV GIS	item125	2	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.341	LIMIT SWITCHES AND AUX. SWITCHES FOR ONE COMPLETE MOM BOX FORMAINTENANCE EARTHING SWITCH-400KV GIS	item126	2	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.342	LIMIT SWITCHES AND AUX. SWITCHES FOR ONE COMPLETE MOM BOX FOR FASTEARTHING SWITCH (IF APPLICABLE)-400KV GIS	item127	2	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only

Tender Inviting Authority: BHEL TBG NOIDA

Name of Work: Powergrid's GIS pkg-II at KPS3

Enquiry/NIT No: NIT_87018_Enquiry No. 61Q2500406 Dated: 29-11-2024

Name of the Bidder/ Bidding Firm / Company :																	
PRICE SCHEDULE (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)																	
NUMBER #	TEXT #	TEXT #	NUMBER #	TEXT #	TEXT #	NUMBER #	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER #	NUMBER #	NUMBER #	TEXT #		
Sl. No.	Item Description	Item Code / Make	Quantity	Units	Quoted Currency in INR / Other Currency	Unit RATE In Figures To be entered by the Bidder in Rs. P	GST (in Percentage)	GST Amount (Unit Rate*Quantity* GST) Rs. P	Unit Freight & Insurance Charges in Rs. P	GST (in Percentage)	GST Amount on F&I (Unit Rate*Quantity*GST) Rs. P	HSN / SAC Code	TOTAL Ex-Works + F & I AMOUNT excluding GST in Rs. P	TOTAL Ex-Works + F & I AMOUNT including GST in Rs. P	TOTAL AMOUNT In Words		
1	2	3	4	5	12	13	14	15	16	20	21	51	53	54	55		
3.343	DRIVE MECHANISM FOR 400KV GIS DISCONNECTOR SWITCH	item128	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only		
3.344	DRIVE MECHANISM FOR 400KV GIS MAINTENANCE EARTH SWITCH	item129	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only		
3.345	DRIVE MECHANISM FOR 400KV GIS FAST EARTHING SWITCH	item130	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only		
3.346	MOTOR FOR DRIVE MECHANISM FOR 400KV GIS DISCONNECTOR SWITCH	item131	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only		
3.347	MOTOR FOR DRIVE MECHANISM FOR 400KVGIS MAINTENANCE EARTH SWITCH	item132	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only		
3.348	MOTOR FOR DRIVE MECHANISM FOR 400KV GIS FAST EARTHING SWITCH	item133	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only		
3.349	400KV GIS- SINGLE PHASE OF CURRENT TRANSFORMER (3 CORES, TYPE-CTA)WITH ASSOCIATED ENCLOSURE AND PRIMARY CONDUCTOR COMPLETE IN ALLRESPECT	item134	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only		
3.350	400KV GIS- SINGLE PHASE OF CURRENT TRANSFORMER (2 CORES, TYPE-CTB)WITH ASSOCIATED ENCLOSURE AND PRIMARY CONDUCTOR COMPLETE IN ALLRESPECT	item135	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only		
3.351	GIS SPARES: 400KV GIS- SINGLE PHASE VT WITH ASSOCIATED ENCLOSURE COMPLETE IN ALL RESPECT	item136	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only		
3.352	GIS SPARES: 400KV GIS- SINGLE PHASE LA WITH ASSOCIATED ENCLOSURE COMPLETE IN ALL RESPECT	item137	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only		
4.010	SPARES- GIS : REFERENCE UNIT PRICE FOR ADDITION / DELETION OF SUPPLY ITEMS (Unit Prices of Individual Equipment included here or in manadatory spares are required for any Addition/Deletion of Equipment and replacement of damaged items. Bidder to ensure that the unit prices have a logical relationship with prices of assemblies in main items. Quoting for unit prices is mandatory and shall be considered for evaluation) (Item Sl. No. 4.01-4.05): SPARES: 400KV GIS- GIS METALLIC ENCLOSURE	item138	50	KG	INR			0.00			0.00		0.000	0.000	INR Zero Only		
4.020	SPARES: 400KV GIS- EXPANSION BELLOWS/ JOINTS	item139	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only		
4.030	SPARES: 400KV GIS- TEE BEND	item140	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only		
4.040	SPARES: 400KV GIS- L BEND	item141	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only		
4.050	SPARES: Controlled Switching Device for 420 kV, 3-ph Circuit Breaker	item142	1	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only		
5.010	<u>400kV GIS AC station at KPS3 (HVDC)</u> SERVICES- GIS : 400KV, 63KA FOR IS, GAS INSULATED SWITCHGEAR (GIS) AS PER TS (Item Sl. No. 5.01-5.10): SERVICES- 400kV GIS: SUPERVISION OF ERECTION OF GIS	item143	18	Bays	INR			0.00			0.00		0.000	0.000	INR Zero Only		
5.020	SERVICES- 400kV GIS: SUPERVISION OF ERECTION OF GAS INSULATED BUS DUCT	item144	2500	MTR	INR			0.00			0.00		0.000	0.000	INR Zero Only		
5.030	SERVICES- 400kV GIS: SUPERVISION OF ERECTION OF SF6 TO AIR BUSHING	item145	30	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only		
5.040	SERVICES- 400kV GIS: TESTING & COMMISSIONING OF GIS	item146	18	Bays	INR			0.00			0.00		0.000	0.000	INR Zero Only		

Tender Inviting Authority: BHEL TBG NOIDA

Name of Work: Powergrid's GIS pkg-II at KPS3

Enquiry/NIT No: NIT_87018_Enquiry No. 61Q2500406 Dated: 29-11-2024

Name of the Bidder/ Bidding Firm / Company :															
PRICE SCHEDULE (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)															
NUMBER #	TEXT #	TEXT #	NUMBER #	TEXT #	TEXT #	NUMBER #	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Item Code / Make	Quantity	Units	Quoted Currency in INR / Other Currency	Unit RATE In Figures To be entered by the Bidder in Rs. P	GST (in Percentage)	GST Amount (Unit Rate*Quantity* GST) Rs. P	Unit Freight & Insurance Charges in Rs. P	GST (in Percentage)	GST Amount on F&I (Unit Rate*Quantity*GST) Rs. P	HSN / SAC Code	TOTAL Ex-Works + F & I AMOUNT excluding GST in Rs. P	TOTAL Ex-Works + F & I AMOUNT including GST in Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	12	13	14	15	16	20	21	51	53	54	55
5.050	SERVICES- 400kV GIS : TESTING & COMMISSIONING OF GAS INSULATED BUS DUCT	item147	2500	MTR	INR			0.00			0.00		0.000	0.000	INR Zero Only
5.060	SERVICES- 400kV GIS : TESTING & COMMISSIONING OF SF6 TO AIR BUSHING	item148	30	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
5.070	SERVICES- 400kV GIS : FINAL SUCCESSFUL HV/ POWER FREQUENCY TESTING OF GIS INCLUDING ARRANGING OF HV TEST KIT ALONG WITH OPERATOR	item149	18	Bays	INR			0.00			0.00		0.000	0.000	INR Zero Only
5.080	SERVICES- 400kV GIS : INSULATION CO-ORDINATION STUDIES FOR GIS SYSTEM	item150	1	LOT	INR			0.00			0.00		0.000	0.000	INR Zero Only
5.090	SERVICES- 400kV GIS : TRAINING FOR GIS AT SITE	item151	2	DAY	INR			0.00			0.00		0.000	0.000	INR Zero Only
5.100	SERVICES- 400kV GIS : TRAINING FOR GIS AT MANUFACTURER WORKS	item152	2	DAY	INR			0.00			0.00		0.000	0.000	INR Zero Only
6.010	<u>400kV GIS AC station at KPS-3 STATION (EXTN)</u> SERVICES- GIS : 400KV, 63KA FOR IS, GAS INSULATED SWITCHGEAR (GIS) AS PER TS (Item Sl. No. 6.01-6.10): SERVICES- 400kV GIS: SUPERVISION OF ERECTION OF GIS	item153	8	Bays	INR			0.00			0.00		0.000	0.000	INR Zero Only
6.020	SERVICES- 400kV GIS: SUPERVISION OF ERECTION OF GAS INSULATED BUS DUCT	item154	3060	MTR	INR			0.00			0.00		0.000	0.000	INR Zero Only
6.030	SERVICES- 400kV GIS: SUPERVISION OF ERECTION OF SF6 TO AIR BUSHING	item155	12	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
6.040	SERVICES- 400kV GIS: TESTING & COMMISSIONING OF GIS	item156	8	Bays	INR			0.00			0.00		0.000	0.000	INR Zero Only
6.050	SERVICES- 400kV GIS : TESTING & COMMISSIONING OF GAS INSULATED BUS DUCT	item157	3060	MTR	INR			0.00			0.00		0.000	0.000	INR Zero Only
6.060	SERVICES- 400kV GIS : TESTING & COMMISSIONING OF SF6 TO AIR BUSHING	item158	12	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
6.070	SERVICES- 400kV GIS : FINAL SUCCESSFUL HV/ POWER FREQUENCY TESTING OF GIS INCLUDING ARRANGING OF HV TEST KIT ALONG WITH OPERATOR	item159	8	Bays	INR			0.00			0.00		0.000	0.000	INR Zero Only
6.080	SERVICES- 400kV GIS : INSULATION CO-ORDINATION STUDIES FOR GIS SYSTEM	item160	1	LOT	INR			0.00			0.00		0.000	0.000	INR Zero Only
6.090	SERVICES- 400kV GIS : TRAINING FOR GIS AT SITE	item161	2	DAY	INR			0.00			0.00		0.000	0.000	INR Zero Only
6.100	SERVICES- 400kV GIS : TRAINING FOR GIS AT MANUFACTURER WORKS	item162	2	DAY	INR			0.00			0.00		0.000	0.000	INR Zero Only
7.010	<u>400kV AC GIS Extension South Olpad</u> SERVICES- GIS : 400KV, 63KA FOR IS, GAS INSULATED SWITCHGEAR (GIS) AS PER TS (Item sl. No. 7.01-7.10): SERVICES- 400kV GIS: SUPERVISION OF ERECTION OF GIS	item163	4	Bays	INR			0.00			0.00		0.000	0.000	INR Zero Only
7.020	SERVICES- 400kV GIS: SUPERVISION OF ERECTION OF GAS INSULATED BUS DUCT	item164	600	MTR	INR			0.00			0.00		0.000	0.000	INR Zero Only
7.030	SERVICES- 400kV GIS: SUPERVISION OF ERECTION OF SF6 TO AIR BUSHING	item165	6	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
7.040	SERVICES- 400kV GIS: TESTING & COMMISSIONING OF GIS	item166	4	Bays	INR			0.00			0.00		0.000	0.000	INR Zero Only

Validate Print Help

Item Wise BoQ

Tender Inviting Authority: BHEL TBG NOIDA

Name of Work: Powergrid's GIS pkg-II at KPS3

Enquiry/NIT No: NIT_87018_Enquiry No. 61Q2500406 Dated: 29-11-2024

Name of the Bidder/ Bidding Firm / Company :															
PRICE SCHEDULE (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)															
NUMBER #	TEXT #	TEXT #	NUMBER #	TEXT #	TEXT #	NUMBER #	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Item Code / Make	Quantity	Units	Quoted Currency in INR / Other Currency	Unit RATE In Figures To be entered by the Bidder in Rs. P	GST (in Percentage)	GST Amount (Unit Rate*Quantity* GST) Rs. P	Unit Freight & Insurance Charges in Rs. P	GST (in Percentage)	GST Amount on F&I (Unit Rate*Quantity*GST) Rs. P	HSN / SAC Code	TOTAL Ex-Works + F & I AMOUNT excluding GST in Rs. P	TOTAL Ex-Works + F & I AMOUNT including GST in Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	12	13	14	15	16	20	21	51	53	54	55
7.050	SERVICES- 400kV GIS : TESTING & COMMISSIONING OF GAS INSULATED BUS DUCT	item167	600	MTR	INR			0.00			0.00		0.000	0.000	INR Zero Only
7.060	SERVICES- 400kV GIS : TESTING & COMMISSIONING OF SF6 TO AIR BUSHING	item168	6	SET	INR			0.00			0.00		0.000	0.000	INR Zero Only
7.070	SERVICES- 400kV GIS : FINAL SUCCESSFUL HV/ POWER FREQUENCY TESTING OF GIS INCLUDING ARRANGING OF HV TEST KIT ALONG WITH OPERATOR	item169	4	Bays	INR			0.00			0.00		0.000	0.000	INR Zero Only
7.080	SERVICES- 400kV GIS : INSULATION CO-ORDINATION STUDIES FOR GIS SYSTEM	item170	1	LOT	INR			0.00			0.00		0.000	0.000	INR Zero Only
7.090	SERVICES- 400kV GIS : TRAINING FOR GIS AT SITE	item171	2	DAY	INR			0.00			0.00		0.000	0.000	INR Zero Only
7.100	SERVICES- 400kV GIS : TRAINING FOR GIS AT MANUFACTURER WORKS	item172	2	DAY	INR			0.00			0.00		0.000	0.000	INR Zero Only
8.010	SERVICES- GIS : REFERENCE UNIT PRICE FOR ADDITION / DELETION OF SERVICES: (UNIT PRICES OF INDIVIDUAL SERVICES INCLUDED HERE ARE REQUIRED FOR ANY ADDITION/DELETION OF EQUIPMENT AND REPLACEMENT OF DAMAGED ITEMS. VENDOR TO ENSURE THAT THE UNIT PRICES HAVE A LOGICAL RELATIONSHIP WITH PRICES OF ASSEMBLIES IN MAIN ITEMS. QUOTING FOR UNIT PRICES IS MANDATORY AND SHALL BE CONSIDERED FOR EVALUATION) (Item sl. No. 8.01-8.05): SERVICES- 400kV GIS: REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT - SERVICES FOR SUPERVISION OF ERECTION OF GIS	item173	10	MANDAY	INR			0.00			0.00		0.000	0.000	INR Zero Only
8.020	SERVICES- 400kV GIS: REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT - SERVICES FOR TESTING & COMMISSIONING OF GIS	item174	10	MANDAY	INR			0.00			0.00		0.000	0.000	INR Zero Only
8.030	SERVICES- 400kV GIS: DEMOBILIZATION AND REMOBILIZATION CHARGES FOR GIS ERECTION SUPERVISION TEAM	item175	2	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
8.040	SERVICES- 400kV GIS: DEMOBILIZATION AND REMOBILIZATION CHARGES FOR GIS TESTING & COMMISSIONING TEAM	item176	2	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
8.050	SERVICES- 400kV GIS: DEMOBILIZATION & REMOBILIZATION CHARGES OF HV TEST KIT ALONG WITH OPERATOR	item177	1	Lot	INR			0.00			0.00		0.000	0.000	INR Zero Only
Total in Figures													0.000	0.000	Zero Only
Total Rate in Words		INR Zero Only													