

**Consolidated Response to Bidder's Queries**

**Reference:**

- 1) Tender Enquiry Document For Pooling Substation 400/33 KV, 1200 MW (PSS-1, Phase-I & Phase-II of 600 MW Each ) of Solar/ Wind / Hybrid RE Park of 2375 MW Capacity at Great Rann of Kutch Area, Gujarat (RFP No. GIPCL/RE Park/PSS/Phase-I Dtd. 07.04.2022)
- 2) Pre-bid queries received during Pre-Bid Meeting on 06.05.2022 and also through various email(s).

Sr. No	Vol. No. & Section No.	Page No.	Main Clause	Clause No.	As per EPC Tender (GIPCL/RE PARK/PSS/Phase-I)	Bidder's Queries	GIPCL reply / clarification to Pre Bid Queries
1	Vol I Sec 2 ITB_PSS_1 PH-1 and 2__R3	6	Pre- Qualifying Requirements (PQRS)/ Eligibility conditions-Technical Experience-Route-3	2.2.1.3	In case, the bidder is not a GIS manufacturer, he shall also be considered provided: i) The bidder must have erected and commissioned at least Six (06) nos. GIS circuit breaker bays (*) of 400kV or above voltage class cumulatively in two (02) GIS substation during last seven (07) years and these bays must be in satisfactory operation## for at least two (02) years as on the date of bid opening mentioned above.	In case, the bidder is not a GIS manufacturer, he shall also be considered provided: i) The bidder must have erected and commissioned at least Six (06) nos. GIS circuit breaker bays of 400kV or above voltage class cumulatively in two (02) GIS substation <b>during last Ten (10) years</b> and these bays must be in satisfactory operationfor at least two (02) years as on the date of bid opening.	Bidder shall refer Amendment
2	Vol I Sec 2 ITB_PSS_1 PH-1 and 2__R3	6	Pre- Qualifying Requirements (PQRS)/ Eligibility conditions-Technical Experience-Route-3	2.2.1.3	In case, the bidder is not a GIS manufacturer, he shall also be considered provided: i) The bidder must have erected and commissioned at least Six (06) nos. GIS circuit breaker bays (*) of 400kV or above voltage class cumulatively in two (02) GIS substation during last seven (07) years and these bays must be in satisfactory operation## for at least two (02) years as on the date of bid opening mentioned above.	We request you to kindly amend the above Clause as mentioned below: i) The bidder must have erected and commissioned at least Six (06) nos. GIS circuit breaker bays (*) of 400kV or above voltage class cumulatively in two (02) GIS substation during last seven (07) years and these bays must be in satisfactory operation## for at least <b>One (01) year</b> as on the date of bid opening mentioned above.  Considering our vast experience in execution of 400kV substation projects in India, we request you to kindly amend the clause of 2-year satisfactory operation.	Bidder shall refer Amendment
3	Vol II PSS Layout Dawing		400 kV GIS Layout PSS-1		400 kV GIS Layout PSS-1 Dwg. No. FCE-1721125-EL-DWG-LAY-2100-015	Please furnish the tentative size of available plot area to verify overall arrangement of equipment the layout. In tender layout drawing dimension of overall plot area not given. Also please confirm if bidder can modify the equipment arrangement other than given in tentative layout, if required.	Bidder shall refer Amendment
4	Vol II PSS Layout Dawing		400 kV GIS Layout PSS-1		400 kV GIS Layout PSS-1 Dwg. No. FCE-1721125-EL-DWG-LAY-2100-015	We have understood that up to 33kV incoming cable is on 33kV solar vendor scope. EPC scope will start after 33kV incomer (with termination kit and termination). Please confirm	Bidder shall refer to clause no 3.0.0 and 4.0.0 of Sec-1-GTS_PSS_Rev 3_Revised (1). No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
5	Vol II Sec-2-12-DTS_HT SWIGR_PSS_Rev 3	3	Controls:	4.8.0	a) HV Switchgears shall have Vacuum circuit breakers for incomer, station service transformer, SPP/WPP feeders and spare feeders. b) HV switchgear shall have SF6 type LBS or capacitor bank duty vacuum circuit breaker for capacitor bank feeder.	We have understood that the 33kV Breaker shall be of VCB type and 33kV Switchgear to 340MVA, 400/33kV Transformer connection is with 33kV AIS Busduct. Please confirm	Bidder shall refer to clause no 2.1.0 and 8.0.0 of "Vol II Sec-2-12-DTS_HT SWIGR_PSS_Rev 3" and "Vol II Sec-2-11-DTS_HT Busduct_PSS_Rev 3" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
6	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	2	SCOPE OF SUPPLY & WORK	2.2.0	Indoor GIS System	Please confirm the PIR and CSD requirement for 400kV GIS CB.	Bidder shall refer Clause No 2.2.3 and 2.2.5 of "Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3" 400 kV Transmission Line length is approximately 11 km. PIR is Not Required. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
7	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3				400 KV GAS INSULATED SWITCHGEAR (GIS)	We will conduct only VFTO study for 400kV GIS. We have not envisaged any other study for substation. Please confirm.	Bidder shall refer 2.10.0 Clauses of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
8	Vol II PSS Layout Dawing				400 kV GIS Layout-PSS-1	As per tender document, EPC have to consider the CT/PT for metering and ABT Meter purpose. We have understood that same is required at 33kV system not on 400kV System. Please confirm.	Bidder shall refer "Vol II 400 kV and 415 V.SLD Drawings" , clause No E 3.2.0 and E 3.3.0 of "Vol II Sec-2-4-DTS_400 kV GIS Equipment_PSS_Rev 3", Clause No 2.8.0,7.25.0,8.1.0 of "Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
9	Vol II PSS Layout Dawing				400 kV GIS Layout-PSS-1	we have understood that the we have to construct 33kV Switchgear building and 400kV GIS Building for present bays only. Future expansion is not envisaged. Accordingly, Building size will be decided.	Bidder shall refer drawing no: FCE-1721125-EL-DWG-LAY-2100-015 of "Vol II PSS Layout Dawing" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
10	Vol II PSS Layout Dawing				400 kV GIS Layout-PSS-1	Please provide the Substation location, boundary coordinates in contour layout.	Bidder shall refer Amendment

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11	Vol II Sec-2-26-Civil_PSS_Rev 3	1	SCOPE OF WORK	2.0 (2.a)	2. Site Development works a. Site Grading including Soil stabilization and slope protection.	Kindly confirm if any soil stability process need to perform on substation plot area. We presume that any soil stabilization by means of stone pile, Vibro compaction OR replacement of Poor soil by Stone + Good quality earth on plot area is not required. We presume only RCC Pile foundation for the major civil structure & building as per soil investigation report. Other soil stability process involve high cost factor and few specialiest vendor can do the job. Therefore required your firm confirmation on soil stability process at bidding stage.	General soil profile of the site is available in the preliminary soil investigation report, which is part of the bid document. Bidder to arrive soil improvement methodology based on available data. Final geotechnical investigation to be done by bidder and all foundation design shall be based on the same.  Bidder shall comply with clause no 5.2 of Sec-2-26-Civil_PSS_Rev 3. Bidder shall comply with clause no 2.4.0 of Sec-1-GTS_PSS_Rev 3_Revised.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
12	Vol II PSS Layout Dawing					We have considered the total Length of approach road = 100 m, please confirm.	Bidder shall refer Amendment
13	Vol II Sec-2-26-Civil_PSS_Rev 3	4	Levels	4.8	The works include contouring the entire plot area within the pooling substation boundary as per technical specification. High Flood level (HFL) is required to be arranged by Contactor for finalization of Finished ground level (FGL) of Pooling substation and will be fixed during detailed engineering. Finished ground floor level (FFL) for GIS building and Main control building shall be minimum 1000mm above Finished Ground level (FGL). Any other building ground floor (FFL) shall be minimum 700mm above finished ground level(FGL). Switchyard equipment foundations plinthshall be minimum 600mm above Finished Ground level(FGL). These are minimum elevation and can be increased.Roads, storm water drains, cable trench top levels shall be decided during detail engineering.	Please confirm the Finish ground level (FGL) for land development w.r.t Natural Ground level (NGL) & Main Road level/considering High Flood level	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
14						Where the storm water drain comes in direct contact of the metal paving, 50mm dia hole shall be provided in drain wall just above FGL, in order to drain surface rain water into storm water drain and avoid flooding of water over metal paving.	Please confirm the Floor Finish level (FFL) for Buildings w.r.t Finish ground level (FGL)
15	Vol II PSS Layout Dawing		General		400 kV GIS Layout PSS-1 Dwg. No. FCE-1721125-EL-DWG-LAY-2100-015	Please confirm the formation level (Top of Road) for Approach Road.	Bidder shall refer clause no 4.8 of Sec-2-26-Civil_PSS_Rev 3. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
16	Vol III 1 Soil Investigation_Part-1 and Part-2					Please provide the Bore hole locations corresponding to Substation plot area.	Bidder shall refer Amendment for tentative site Co-ordinates and refer Table 2: Borehole Details of "Vol III 1 Soil Investigation_Part-1" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
17	Vol II Sec-2-26-Civil_PSS_Rev 3	5	Compound Wall	6.4	Compound wall of 2.2 m height above FGL, with 600 mm dia barbed wire concertina wire above, shall be provided around entiresubstation area. Material of construction for compound wall shall be either precast wall panels or masonry with plastering. Wall shall be resting on grade beam which in turn will be resting on columns and foundations. Coping wall shall be provided at top. Both surfaces (internal and external) shall be painted with weather proof paint.	We have consider pre cast boundary wall for the proposed substation area. Soil Filling will be protected by stone pitching in 30 degree inside the boundary line, please confirm.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
18	Vol II Sec-2-26-Civil_PSS_Rev 3	13	Crushed Stone Paving and Anti-weed Treatment	8.6	In the substation, metal spreading using 40mm crushed stone shall be provided for a thickness of not less than 150 mm and shall extend one meter beyond the respective areas. The sub grade of gravel area shall be compacted to 95% OMD. Before laying gravel fill, the top layer of soil shall be treated suitably by injecting approved anti weed chemicals as per manufacturers' recommendation. The Contractor shall submit for approval, the details of chemical proposed to be used before application of the same....	We have not consider any yard PCC below Stone/gravel spreading in proposed substation area.	Bidder shall refer Amendment
19	Vol II Sec-2-26-Civil_PSS_Rev 3	11	Foundation for Substation Structures	8.1	Foundation for all towers equipment support structure, equipment, railroad and poles shall be designed as per the recommendations of IS : 4091.The structural design of the foundation shall be done as per limit state method of design as given in IS:456 and considering the following partial safety factors on working load: <input type="checkbox"/> Normal and broken wire condition 1.5 <input type="checkbox"/> Broken wire condition with short circuit forces 1.2 .....	We have consider factor of safety for design of Eqpt. structures, Tower Structure, building and all foundation as per Indian standards (IS). Please confirm.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.

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20	Vol II Sec-2-26-Civil_PSS_Rev 3	1	SCOPE OF WORK	2.0	SCOPE OF WORK	We have not considered the rain water harvesting system in scope of work. Please confirm.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
21	Vol II Sec-2-26-Civil_PSS_Rev 3	5	Storm water Drain Network	6.6	Storm water drainage network shall be provided for the entire substation area and the same shall be discharging to main storm water network of the solar park near the approach road. Drain shall be of RCC construction.The drawings shall indicate the basic drainage plan from the various units within the Substation.Invert level of drainage network and at outfall point shall be decided in such a way that water can easily be discharged outside the station Boundary. The maximum velocity and non-silting velocity shall be ensured.	Please provide the RL for the Outfall point of Storm Water drain Discharge with respective FGL	It shall be decided during detailed engineering. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
22	Vol II Sec-2-26-Civil_PSS_Rev 3	29	Structural steel	11.1	All structural steel shall be of tested quality.Rolled steel sections and plates shall conform to IS:2062.Steel tubes where used for equipment support structure shall conform to IS:1161.	We have consider Lattice type structure for equipment & LM Please confirm.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
23	Vol II Sec-2-26-Civil_PSS_Rev 3	6	Car parking	6.9	Aesthetically pleasant car parking shed shall be provided, suitable to park four wheelers and two wheelersat suitable location to be decided during detail Engineering. The orientation of Roof and steel structure shall be in such a way to install roof Mounted Solar panels in future.	We like to propose 1 No. parking shad for 5 cars inside the substation area. Please confirm the same.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
24	Vol II Sec-2-26-Civil_PSS_Rev 3	13	Substation control building	8.4	This building shall be of 230 mm thick brick wall with and metal sheet roofing supported on structural steel. The control rooms shall have a clear height of 3.5m between the bottom of false ceiling and top of flooring. The switchgear room shall have a clear height of 4.5m. Plinth protection shall be provided all around the building. The control room, CRP & SAS room and conference room shall be provided with false ceiling. False ceiling shall be designed aesthetically and properly arranging the supply air diffuser, return air grills,fire detectors and lights. The control building shall have Pantry, Toilet and Bathroom facilities.	We have not considered any special elevation effect like structural glazing, ACP cladding for any building. Please confirm.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
25	Vol II Sec-2-26-Civil_PSS_Rev 3	14	Transformer Yard Foundations	8.7	Transformers shall be founded on RCC foundations with rails on the top and oil soak pits filled with 40mm hard stone aggregate. Jacking pads shall be provided. Size of the soak pit shall be decided based on the transformer details and oil volume. Material of transformer oil piping shall be suitable for type of oil and applicable temperature resistance. Fire wall of adequate thickness and height,if required as per TAC regulations shall be provided for transformers. RCC foundations shall be provided with rail to transport transformers out of transformer yard during maintenance. To facilitate such placing and transportation of transformers, road with suitable width and turning radius shall be provided	We like to propose bending radius for Trailor movement in line with the PGCIL projects. Request to please accept the same.	It shall be decided during detailed engineering. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
26						We have considered the RCC Wall type foundation for transformer & not considered the Block/plinth type foundation, please confirm.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
27	Vol II PSS Layout Dawing		General			We have considered the Future Line Reactor & Bus Reactor area for land development	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
28	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	12	GENERAL REQUIREMENTS	5.8.0	Required construction power and construction water shall be arranged by bidder only.	During site visit we found major problem for avaiability of construction water. Kindly confirm nearest source for water avaiability, if it can be provided from GIPCL.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
29	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	12	GENERAL REQUIREMENTS	5.8.1	The Vendor shall arrange stores for storing the equipment during erection. All equipment during storage shall be protected against damage due to acts of nature or accidents. The storage instructions of the equipment manufacturer / Owner shall be strictly adhered to.	Space for site office, stores, labour camp can be made available nearby to the substation area by the GIPCL. Please confirm.	GIPCL shall provide reasonable space for storage & site office construction subject to avaiability. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
30	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	12	GENERAL REQUIREMENTS	5.8.0	Required construction power and construction water shall be arranged by bidder only.	Kindly confirm if any PGVCL/other Construction power line can be available by GIPCL upto site location.	Bidder shall visit the site for PGVCL/ other Construction power line. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.

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31	Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3	46	STATUTORY OBLIGATIONS	78.1	The statutory obligations arising from IECG, CEA electrical inspector office, PTCC, Factory Inspectorate, Labour Inspectorate, Chief Controller of Explosives, Pollution Control Board (PCB), National building code and relevant rules, local bodies and other state or central Govt. agencies like Railways, Indian Army, BSF shall be scrupulously complied with. Charges shall be borne by contractor and original receipts to be provided to owner for permanent record	Site area located under BSF/Police control and surveillance area. All permission required from BSF/Police shall be arranged by GIPCL. Please confirm.	Bidder shall refer clause no. 4.0 of Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3 No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
32	Vol II Sec-2-26-Civil_PSS_Rev 3	16	Excavation and Backfilling	9.4	Excavation and backfilling shall be accordance to IS standards. Contractor shall carry out deep / shallow excavation by considering safety at side against any collapse. Temporary design against sliding and supports shall be providing by contractor. Backfilling shall be with non-expansive soil. Any organic matter like roots and barks of trees shall be removed, if found at foundation level and surplus excavation shall be filled with PCC 1:4:8.	Soil/Earth required for filling purpose can be brought out from nearby vacant high terrain plot with prior permission from GIPCL. Kindly confirm.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
33	Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3	24	LIQUIDATED DAMAGES FOR DELAY IN COMPLETION	25.2	For calculation of Liquidated Damages, date of issue of LOI shall be the reference date.	For calculation of Liquidated Damages, date of issue of LOI shall be the reference date. However we assume that encumbrance free land shall be handed over to bidder soon after issue of LOI. If any delay in land hand over shall be counted as a delay in calculation of LD.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
34	Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3	31 & 32	TRAINING OF OWNER'S/PURCHASER'S PERSONNEL	43.1.1	Training requirements	Kindly exclude cost of travelling, Loading and boarding for owner's personnel from bidder's scope for training at manufacturer's place. If cost to consider in price, we will assume economy class air ticket and standard loading, boarding arrangement.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
35	Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3	47	PRICE ESCALATION	80.1	The rate(s) quoted against the work shall remain firm during the entire Contract period.	Considering steep rise in commodities , It is very difficult to get FIRM offer from vendors. Also many vendors are backing off after order in case of FIRM orders .Considering the above facts ,we request you to consider price variation on all items as per IEEMA.	Bidder shall refer Amendment
36	Vol I Sec 1 NIT_PSS_1 PH-1 and 2_R3	4	TABLE A: IMPORTANT DATES	Sr. No.x	Schedule date for Work Completion for Phase-I and Phase-II: 14 Months from date of Letter of Intent (LoI) for Phase-I & 20 Months from the date of LoI for Phase-II	We request you to consider 18 months completion period for phase-I and 24 months completion period for phase-II.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
37	Vol I Sec 1 NIT_PSS_1 PH-1 and 2_R3	5	TABLE B: IMPORTANT AMOUNTS	Sr. No. ii	Earnest Money Deposit (EMD) in the form of Bank Guarantee/DD or Online payment as per Procedure given in Appendix-22 : Rs. 2.0 Cr. (With a validity as per Clause No. xii of Table A (Important Dates) above.	You are requested to consider EMD Value as 0.1% of estimated value as per GETCO norms.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
38	Vol I Sec 2 ITB_PSS_1 PH-1 and 2_R3	6	Technical Experience ROUTE-3	2.2.1.3 (i)	<b>Route-3</b> 2.2.1.3 In case, the bidder is not a GIS manufacturer, he shall also be considered provided: i) The bidder must have erected and commissioned at least Six (06) nos. GIS circuit breaker bays (*) of 400kV or above voltage class cumulatively in two (02) GIS substation during last seven (07) years and these bays must be in satisfactory operation## for at least two (02) years as on the date of bid opening mentioned above	We request you to kindly amend the ROUTE-3 Clause as mentioned below:  The bidder must have erected and commissioned at least Six (06) nos. GIS circuit breaker bays (*) of 400kV or above voltage class in one (01) GIS substation during last seven (07) years and the above substation must be in satisfactory operation## for at least One (01) year as on the date of bid opening mentioned above.	Bidder shall refer Amendment
39	Vol I Sec 2 ITB_PSS_1 PH-1 and 2_R3	13	BANK GUARANTEES & EMD	11.6 (i)	i) Security Deposit cum Performance Bank Guarantee (SD/PBG) as per the format given in Appendix 16 (B): Format of Bank Guarantee for Security Deposit/ Performance Bank Guarantee, shall be furnished in favour of Gujarat Industries Power Company Limited (GIPCL). The Successful Bidder shall submit Security Deposit cum Performance Bank Guarantee of 10% of EPC Contract Price, within 30 days after issuance of LOI as per the format given in Appendix 16(B). The validity period of PBG should be for a total period of up to 44 months (i.e. 20 months completion period including both Phase-I & Phase-II + 12 months defect liability period + 12 months claim period) from the date of LoI.....	As per tender clause, The validity period of PBG should be for a total period of up to 44 months (i.e. 20 months completion period including both Phase-I & Phase-II + 12 months defect liability period + 12 months claim period) from the date of LoI. Where as the validity period of PBG should be 32 months and claim period should be 12 months (i.e. 20 months completion period including both Phase-I & Phase-II + 12 months defect liability period + 12 months claim period). Please clarify.	Bidder shall refer Amendment

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40	Vol I Sec 2 ITB_PSS_1 PH-1 and 2__R3	13	BANK GUARANTEES & EMD	11.6 (ii)	ii) The Contractor shall also furnish Performance Bank Guarantee (PBG) equivalent to 3% (three percent) of the Contract Value within 30 days before expiry of Defect Liability Period. The validity period of Security Deposit cum PBG should be for a total period up to 60 months from the date of Taking over of the 1200MW PSS-1.	Below mentioned are our understanding regarding 3% PBG, please clarify- We need to submit PBG of 3% within 30 days before expiry of DLP & the validity period of PBG should be 60 months from the date of Taking Over. It means we need to provide PBG of 3% valid for 48 months from DLP.	Bidder shall refer Amendment
41	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	8	SCOPE OF WORK AND SERVICES	2.9.0	2.9.0 The scope of supply shall also include the following: <input type="checkbox"/> AMC support for 400kV GIS, 400kV Transformers with NIFPS, Battery Chargers, UPS, PLCC, FOTE Panel & related system, SAS, HPCMS, Fire Protection system, EOT crane, Capacitor Bank, DG Sets (Mechanical & Electrical both). <input type="checkbox"/> AMC support for all the software	Kindly exclude AMC from scope of work as being EPC contract.	Bidder shall refer Amendment
42	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	8	SCOPE OF WORK AND SERVICES	2.9.0	2.9.0 The scope of supply shall also include the following: <input type="checkbox"/> AMC support for 400kV GIS, 400kV Transformers with NIFPS, Battery Chargers, UPS, PLCC, FOTE Panel & related system, SAS, HPCMS, Fire Protection system, EOT crane, Capacitor Bank, DG Sets (Mechanical & Electrical both). <input type="checkbox"/> AMC support for all the software	Kindly confirm the detail scope of work of AMC.	Bidder shall refer Amendment
43	Vol I Sec 2 ITB_PSS_1 PH-1 and 2__R3	6	Pre- Qualifying Requirements (PQRS)/ Eligibility conditions-Technical Experience-Route-3	2.2.1.3	In case, the bidder is not a GIS manufacturer, he shall also be considered provided:	Proposed (Option-1)  The bidder must have erected and commissioned at least Six (06) nos. GIS circuit breaker bays (*) of 400kV or above voltage class cumulatively in two (02) GIS substation or <b>Switchyard</b> during last seven (07) years. Further, at least one (01) number of above GIS substation or <b>switchyard (Min 3 GIS Bays)</b> must have been commissioned and in operation for at least two (02) years as on the date of bid submission	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
44					i) The bidder must have erected and commissioned at least Six (06) nos. GIS circuit breaker bays (*) of 400kV or above voltage class cumulatively in two (02) GIS substation during last seven (07) years and these bays must be in satisfactory operation## for at least two (02) years as on the date of bid opening mentioned above.  ii. Bidders (EPC) quoting under manufacturing authorization may offer MAF from one GIS manufacturer only ( if GIS manufacturer is not participating directly)	Proposed (Option-2) 2.2.1.3 In case, the bidder is not a GIS manufacturer, he shall also be considered provided: i. Bidders who are not OEMs are also eligible to quote the tender under manufacturer's authorization from Indian GIS manufacturer who meets the qualifying requirement as per 2.2.1 (Route-1) or 2.2.2 (Route-2).  ii. Bidders (EPC) quoting under manufacturing authorization may offer MAF from one GIS manufacturer only ( if GIS manufacturer is not participating directly)	
45	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	7	SCOPE OF WORK AND SERVICES	2.5.0	Technical Parameters indicated in drawings and detailed technical specification for equipment is minimum requirement. Actual rating shall be as per system studies conducted by bidder. Any change in parameter shall be at no extra cost to Owner.	Clause 2.5.0 "Technical Parameters indicated in drawings and detailed technical specification for equipment is minimum requirement. Actual rating shall be as per system studies conducted by bidder".  It is not feasible to do any system studies at this stage due to time constraints and lack of data pertaining to solar generation & grid, hence equipment ratings and parameters shall be based on tender drawings and specification. Please confirm.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.

**Consolidated Response to Bidder's Queries**

**Referenece:**

- 1) Tender Enquiry Document For Pooling Substation 400/33 KV, 1200 MW (PSS-1, Phase-I & Phase-II of 600 MW Each ) of Solar/ Wind / Hybrid RE Park of 2375 MW Capacity at Great Rann of Kutch Area, Gujarat (RFP No. GIPCL/RE Park/PSS/Phase-I Dtd. 07.04.2022)
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46	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	21	ANNEXURE- B: BILL OF QUANTITY	Sr. No. 40 & 41	Sr. No. 40- .415V 750 kVA DG set with acoustic enclosure: Continuous running duty. Sr. No. 41 -415V 500 kVA DG set with acoustic enclosure	415V DG sets of 750kVA and 500kVA DG sets are mentioned. Please clarify.	Bidder shall refer clause no. 4.1.2 of " Vol II Sec-2-15-DTS_LT Switchboards_PSS_Rev 3" and refer Page 2 of "Vol II 400 kV and 415 V SLD Drawings" .  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
47	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	19	ANNEXURE- B: BILL OF QUANTITY		ANNEXURE- B: BILL OF QUANTITY	We understand that engineering of complete pooling station-1(PSS-1) shall be done in phase-1 stage and annexure-B specifies quantities to be supplied during phase-2. Please confirm our understanding.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
48	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	21	ANNEXURE- B: BILL OF QUANTITY	Sr. No. 64	Electronic earthing for SAS & Computers/Servers	Electronic earthing for SAS & computers/servers is mentioned. Provision for same shall be decided based on OEMs recommendation. Please confirm.	Bidder shall comply with Tender Specifications codes and standards.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
49			General			Type tests are required to be repeated only if there is a design change. Please confirm.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
50	Vol II Sec-2-12-DTS_HT SWIGR_PSS_Rev 3	1	SCOPE OF WORK	2.1.0	2.1.0 The scope of work shall include the following equipment. <input type="checkbox"/> Phase-I 4 nos. 33 kV, 3150A, 31.5 kA for 1 second rated Pooling switchgear at GIPCL end with VCBs for pooling substation-1. <input type="checkbox"/> Phase-II 4 nos. 33 kV, 3150A, 31.5 kA for 1 second rated Pooling switchgear at GIPCL end with VCBs for pooling substation-1.	We are considering 33kV switchgear of 3150 amps inline with transformer rating & tender specification. Please confirm.	Bidder shall comply with clause no 2.4.0 and 2.5.0 of Sec-1-GTS_PSS_Rev 3_Revised along with Amendment.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
51	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	8	SCOPE OF WORK AND SERVICES	2.10.0	System studies like Load Flow, Short Circuit, Switching Transient & Insulation co-ordinations shall be carried out with the latest version of reputed software (ETAP, Siemens PSSE or as per requirement of concerned RLDC / ISTS system authorities) & PSCAD/EMTDC software to confirm the adequacy of the equipment ratings proposed in this specification. Required system files for validation shall be provided to the owner. The reports shall be submitted in soft and hard copies.	Load Flow, Short Circuit, Switching Transient & Insulation co-ordinations shall be performed during detail engineering. No other studies shall be performed. Please confirm.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
52	Vol II Sec-2-30-DTS_Capacitor_PSS_Rev 3		33 KV STATIC SHUNT CAPACITOR WITH ALLIED EQUIPMENT			Reactive power compensation shall be done by capacitor bank only as per Technical Specification. No other solution shall be considered for the same. Please confirm.	Bidder shall refer clause no 3.1.0 (e) of "Vol II Sec-2-1-DTS_Design Aspects_PSS_Rev 3"  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
53	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	49	ANNEXURE-E: VENDOR LIST	Sr. No.8	Battery Sets a) EXIDE	For Battery only one vendor Exide is mentioned . We understand other reputed makes are also acceptable , kindly confirm.	Bidder to refer "NOTES" under ANNEXURE-E: VENDOR LIST of Sec-1-GTS_PSS_Rev 3_Revised.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
54	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	6	SCOPE OF WORK AND SERVICES	2.2.0 (k)	The system shall be designed for 2375MW. In the Phase-I, the items required for monitoring & control of 1200MW (PSS-1) shall be procured. Those materials required for 1200MW (PSS-2) shall be procured at later. However, the engineering & design shall be done for complete 2375MW (PSS-1 & 2) and required provisions for integrating these systems shall be kept and also required space arrangement shall be kept for smooth execution of the project.	As per referred clause, "The system shall be designed for 2375MW. In the Phase-I, the items required for monitoring & control of 1200MW (PSS-1) shall be procured. Those materials required for 1200MW (PSS-2) shall be procured at later. However, the engineering & design shall be done for complete 2375MW (PSS-1 & 2) and required provisions for integrating these systems shall be kept and also required space arrangement shall be kept for smooth execution of the project" .  Above clause is not clear to us. Whether we need to provide space arrangement for control and monitoring system of Pooling Station-2 also in control room of pooling station-1(PSS-1). Further, scope of engineering & design for pooling station stage-2 is not clear. Please clarify.	Bidder shall refer Amendment
55			General (Approved List of Make)			Please also allow bidders to supply equipment's from the approved manufacturers of PGCIL/GETCO/GSECL/other State Utilities.	Bidder to refer "NOTES" under ANNEXURE-E: VENDOR LIST of Sec-1-GTS_PSS_Rev 3_Revised.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
56			General (Forest & Environment Clearance)			We presume that Forest / Environment clearance & permission for the clearance from the statutory bodies shall be the responsibility of GIPCL and we shall be handed over clear land free from any encumbrances at the time of contract award. Please confirm.	Bidder shall refer clause no. 4.0 of Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
57			General (Approah road to Proposed Site)			1). We presume that the construction of approach road leading to allotted site is excluded from bidders scope. Please confirm. 2). Any strengthening / modification required in the existing culverts, road, bridges etc. for transportation of material / Items / equipment up to proposed site is excluded from bidder's scope and GIPCL has taken appropriate action for strengthening / modification of existing bridge & access road etc. Please confirm.	Bidder shall refer clause no. 4.0 of Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.

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58	Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3	47	PRICE ESCALATION	80.1	The rate(s) quoted against the work shall remain firm during the entire Contract period.	We request you to kindly accept Price Variation as per IEEMA PV formula without any ceiling with base date as one month prior to the date of tendering for following equipment's/materials: Power Transformer, LT Transformer, GIS, HT Switchgear, SA, PVC / XLPE Cables, Steel Structure, Nut- Bolts, Installation (including Civil works), Reinforcement Steel & Concreting. Kindly confirm. This will facilitate us to provide our best competitive offer.	Bidder shall refer Amendment
59	Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3	18	Space	32.2.1 32.2.2	32.2.1 The Contractor shall advise the Purchaser within seven (7) days from the date of acceptance of the Letter of Intent, about his exact requirement of space for his office, canteen, storage area, pre-assembly and fabrication areas, toilets, etc., the above requirement shall be reviewed by the Engineer and available open space will be allotted to the Contractor for erection of his temporary structures like office, storage sheds, and other utilities, etc., for his own as well as his Sub-Contractor's use. No space will be provided by the Purchaser for the Contractor's labour. All facilities for labour housing shall be the sole responsibility of the Contractor. The balance requirement of space over and above what is allotted by GIPCL shall be met by the Contractors through his own means.  32.2.2 Available open space shall be provided to the Contractor for storage of materials during the period of storage and erection. The bidder shall visit the site and if required shall make his own arrangement for extra space if required at his cost. Bidder shall indicate the storage space requirements in his offer and this shall be discussed and finalized subject to availability.	We presume that space shall be provided at site for storage & site office construction at free of cost. Please confirm.	GIPCL shall provide reasonable space for storage & site office construction subject to availability.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
60			General (Approved Civil Contractor)			Please provide the List of approved Civil Contractors of GIPCL.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
61			General (Taxes and Duties)			We presume that 1% BOCW cess shall be applicable only on the Civil & Installation works. Please confirm.	Bidder shall refer Amendment
62	Vol I Sec 2 ITB_PSS_1 PH-1 and 2_R3	6	Pre- Qualifying Requirements (PQRS)/ Eligibility conditions-Technical Experience-Route-3	2.2.1.3	In case, the bidder is not a GIS manufacturer, he shall also be considered provided:  i) The bidder must have erected and commissioned at least Six (06) nos. GIS circuit breaker bays (*) of 400kV or above voltage class cumulatively in two (02) GIS substation during last seven (07) years and these bays must be in satisfactory operation## for at least two (02) years as on the date of bid opening mentioned above.  ii) The GIS must be offered from Indian manufacturer, who meets the requirement mentioned at 2.2.1, ROUTE-1 & ROUTE-2 above.  iii) A legally enforceable undertaking (jointly with the GIS Manufacturer) (as per enclosed format in 27(B) of Appendix-27, Section-VII, Volume-I of bidding document) to guarantee quality, timely supply, performance and warranty obligations as specified for the equipment(s) is submitted along with the bid stating that GIS Manufacturer shall furnish performance guarantee for an amount of two (2) % of the total contract price. This performance guarantee shall be in addition to the Contract Performance security to be submitted by the Bidder.	We therefore would like to propose that the PQR (2.2.1.3) may be modified as under for Route – 3:  i. Bidders who are not OEMs are also eligible to quote the GIS under manufacturer's authorization from Indian GIS manufacturer who meets the requirement mentioned at 2.2.1, ROUTE-1 & ROUTE-2 above .  ii. It is also mandatory for such bidders to provide the manufacturer's authorization on manufacturer's letter head with notarized.  iii. Bidders quoting under manufacturing authorization may offer voltage wise different manufacturer.  iv. Bidders quoting under manufacture's authorization must have valid Electrical Contract License and approved vendor of GETCO/STU/CTUIL, registered under GST Act and should have PF Registration Certificate.  The above proposed modification has been reproduced from the tender floated by M/s. GSECL.	Bidder shall refer Amendment

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63	Vol I Sec 2 ITB_PSS_1 PH-1 and 2__R3	6	Pre- Qualifying Requirements (PQRS)/ Eligibility conditions-Technical Experience-Route-3	2.2.1.3	In case, the bidder is not a GIS manufacturer, he shall also be considered provided:  ii) The GIS must be offered from Indian manufacturer, who meets the requirement mentioned at 2.2.1, ROUTE-1 & ROUTE-2 above.	We understand that the GIS manufacturer participating under Route-3 clause (ii) of 2.2.1.3 can meet the clause 2.2.1.1 with the followingv description which are related to the product supply:-  The Bidder must have Designed, Manufactured, Type tested#( as per IEC or equivalent standard), Supplied, Erected (or Supervised Erection/Installation), tested and commissioned "400 kV GIS equipment" atleast two (2) number of GIS substations having cummulatively at least 6 (six) circuit breaker bays (*) of 400 kV or above in India only. The Two (2) nos. GIS substations above should have been in successfully commissioned and in operations on the date of Bid sibmission. Further, at least one (1) number of above GIS substation must have been commissioned within last seven (7) years as on the date of Bid submission. Request you to kindly confirm our understanding	Bidder shall refer Amendment
64	Vol I Sec 2 ITB_PSS_1 PH-1 and 2__R3	5	Pre- Qualifying Requirements (PQRS)/ Eligibility conditions-Technical Experience-Route-1	2.2.1.1	The Bidder must have Designed, Manufactured, Type Tested# (As per IEC or equivalent standard), Supplied, Erected, Tested & commissioned of at least two (2) number of GIS substations having cumulatively at least 6 (Six) circuit breaker bays (*) of 400kV or above in India only. The two (2) nos. GIS substations above should have been in successfully commissioned and in operations on the date of bid submission. Further, at least one (1) number of above GIS substation must have been commissioned within last seven (7) years as on the date of bid submission.	We understand against the clause no. 2.2.1.1 as follows:- The Bidder must have Designed, Manufactured, Type Tested# (As per IEC or equivalent standard), Supplied, Erected [OR Supervised Erection / Installation] , Tested & commissioned "400KV GIS Equipment" at least two (2) number of GIS substations having cumulatively at least 6 (Six) circuit breaker bays (*) of 400kV or above in India/Abroad <b>only</b> . The two (2) nos. GIS substations above should have been in successfully commissioned and in operations on the date of bid submission. Further, at least one (1) number of above GIS substation must have been commissioned within last seven (7) years as on the date of bid submission. Request you to kindly confirm our understanding.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
65	Vol I Sec 2 ITB_PSS_1 PH-1 and 2__R3	6	Pre- Qualifying Requirements (PQRS)/ Eligibility conditions-Technical Experience-Route-3	2.2.1.3	In case, the bidder is not a GIS manufacturer, he shall also be considered provided:  ii) The GIS must be offered from Indian manufacturer, who meets the requirement mentioned at 2.2.1, ROUTE-1 & ROUTE-2 above.	We understand that the GIS manufacturer who are not participating directly as a Sole Bidder or as a part of JV/Consortium Bid, can support and offer its equipments as Supplier to only One (1) Bidder ( Not a manufacturer) under Manufacturing Authorization Form under Route-3.  Request you to kindly confirm our understanding.	Bidder shall refer Amendment
66	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	22	LIST OF TESTS TO BE CONDUCTED FOR 400 KV GIS PACKAGE	22.1.0	The Contractor shall submit the type tests reports for the tests conducted on the equipment similar to those to be supplied under this contract and the test(s) should have been conducted at an independent laboratory not earlier than ten (10) years from date of Letter of Intent (Lol).	We wish to inform you that as per latest CEA regulation, Validity of type test shall be Fifteen [15] years, enclosed extracted clause of CEA Regulation for your ready reference. Request you to kindly amend the clause accordingly.	Bidder shall refer Amendment
67	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	22	LIST OF TESTS TO BE CONDUCTED FOR 400 KV GIS PACKAGE	22.1.0	Type tests including the Short Circuit Test should be conducted at CPRI / ERDA / KEEMA / PEHLA / CESI / CERDA / <b>JSIC</b> / Intertek (ASTA). GIS make shall be indigenous.	We understand that there is a typo-error in the statement of mentioned reference clause. Bidder shall read JSIC as JSTC.  "Type tests including the Short Circuit Test should be conducted at CPRI / ERDA / KEEMA / PEHLA / CESI / CERDA / <b>JSTC</b> / Intertek (ASTA). GIS make shall be indigenous." Please kindly confirm.	Bidder shall refer Amendment



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68	Vol I Sec 2 ITB_PSS_1 PH-1 and 2_R3	4	PRE-QUALIFYING REQUIREMENTS (PQRS)/ ELIGIBILITY CONDITIONS	2.0		<p><b>Suggested Inclusion:</b>  <b>Route – 5</b>                      Bidders under manufacturer Authorization: -                      i. Bidders who are not OEMs are also eligible to quote the GIS under manufacturer's authorization from Indian GIS manufacturer who meets the qualifying requirement as per 2(b-1) (i, ii, iii, iv, v) or 3.0.                      ii. It is also mandatory for such bidders to provide the manufacturer's authorization on manufacturer's letter head with notarized.                      iii. Bidders quoting under manufacturing authorization may offer voltage wise different manufacturers.                      iv. Bidders quoting under manufacture's authorization must have valid Electrical Contract License and approved vendor of GETCO/STU/CTUIL, registered under GST Act and should have PF Registration Certificate.                      The owner may assess the capacity &amp; capability of the bidders, to successfully execute the scope of work covered under the work within stipulated completion period. This assessment shall inter-alia include.                      1. Document verification                      2. Bidders work/manufacturing facilities visit                      3. manufacturing capacity, details of work executed, works in hand, anticipated in future &amp; the balance capacity available for the present scope of work                      4. Details of testing facilities, manpower and financial resources                      5. Details of quality system in place                      6. Past experience &amp; performance                      7. Customer feed back                      8. Banker's feed back                      Bidder quoting under manufacturing authorization may allow multiple manufacturing authorization.</p> <p><b>Justification &amp; Benefit:</b>                      The Proposed Inclusion is as Per the Qualification Criteria Set by GETCO (Gujarat Energy Transmission Corporation Limited) &amp; GSECL (Gujarat State Electricity Corporation Limited) For Ready Reference Both Utilities Qualification Criteria are attached at Annexure 2 &amp; Annexure 3. This will offer Healthy competition and discovery of competitive Market Price.</p>	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
69	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	1	CODES AND STANDARDS	3.0.0	r) "Standard Specifications and technical Parameters for Transformers and Reactors (66 kV & above voltage class)" by CEA in April, 2021. s) "Standard Technical Specifications of Transformer(s) for Solar Park pooling station" by CEA in June, 2021.	Please specify if any specific additional site requirement. Also provide the precedence of the Specifications.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
70	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	2	DESIGN CRITERIA	4.5.0	The transformer shall be capable of operating at rated output at any tap position, provided the voltage corresponding to that tap does not vary by more than ±10% of rated voltage. The winding including the tapping arrangement shall be designed such that the electromagnetic balance is maintained between HV and LV1 & LV2 windings at all voltage ratios.	Voltage variation shall be ±10% with respect to normal voltage tap only i.e. at 400 kV and not for all taps. Rated MVA at minimum tap position with further -10% voltage i.e. transformer operating at 340 MVA @ 324 kV voltage is an overloading condition and any loading beyond name plate rating shall be considered as per IS:6600/ IEC 60076-7. Kindly Confirm our understanding is correct.	Bidder shall refer clause no 3.0.0 of "Sec-2-2-DTS_Stepup PT_PSS_Rev 3_Revised." No change in Tender Conditions. Bidder shall comply with tender conditions.
71	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	2 48	DESIGN CRITERIA TECHNICAL PARAMETERS	4.11.0 10.0.0 Sr No. 10	.....The transformer shall be capable of operating continuously under natural cooled condition up to the 80% of its maximum rating..... ONAN - 204 MVA	Please confirm the ONAN rating, weather it is 80% of 340 MVA i.e. 272 MVA or 204 MVA.	Bidder shall refer Amendment
72	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	3	DESIGN CRITERIA	4.13.0	.....External or internal reactors shall not be used to achieve the specified HV/LV or HV/LV1 and HV/LV2 impedances.	We confirm that External or Internal reactor will not be used to achieve the specified HV/LV or HV/LV1 and HV/LV2 impedances, however if core construction is 5 limb and tertiary may be provided then External or Internal reactor can be use.	Bidder shall refer Amendment
73	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	9	CONSTRUCTIONAL FEATURES 5.2.0 Core	5.2.0 (a)	The core shall be constructed from high permeability grade, non-ageing, cold rolled, super grain oriented, silicon steel laminations. CRGO Silicon steel shall be HI-B grade or equivalent.	Super grain oriented term is not clear, we will provide Hi-B or batter grade of CRGO.	Super Grain material is commercially called as HI-B grade also. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
74	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	9	CONSTRUCTIONAL FEATURES 5.2.0 Core	5.2.0 e)	In order to ensure prevention of multiple core earthing, core isolation test at 10 kV for 1 minute shall be done during pre-commissioning stage. To facilitate above, the core & core earthing has to be done outside the tank with suitable bushing.	This test shall be perform in oil filled conditions.	Bidder shall refer Clause No 3.0.0 of "Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.

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75	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	12	CONSTRUCTIONAL FEATURES 5.6.0 Oil Preservation System	5.6.0 i)	To minimise the ingress of moisture, two dehydrating breathers in series of identical size shall be connected to OLTC Conservator.	Please confirm that dehydrating breathers for OLTC is conventional type or maintenance free type.	Bidder shall refer Amendment
76	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	15	CONSTRUCTIONAL FEATURES 5.10.0 Winding Temperature Indicator (WTI)	5.10.0 f)	Optical Temperature Sensor: Multichannel Fiber optic temperature monitoring system shall optimize the hot spot measurements for Power Transformer.....	Please specify the no. of probes and no. of channel for the fiber optic sensor. And probes will be provided in LV 1 coil only. (Considered top coil). However FO reading shall be consider as reference only , winding rise to be calculated as per IS 2026 / IEC 60076 during heat run test and same will be consider final value .	It shall be decided during detailed engineering as per clause no 2.0.0 of Sec-1-GTS_PSS_Rev 3_Revised. FOTM system is for reference only. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
77	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	17	CONSTRUCTIONAL FEATURES 5.12.0 Bushings and Current Transformers	5.12.0 c)	For REF protection of transformer 33 kV side bushing CTs and Neutral bushing CTs shall be provided as specified. The CTs shall be cast resin type with class E or better insulation. Secondary leads of CTs shall be wired up to-marshalling box. The CTs secondary leads shall have provisions for shorting	These CT's are turret mounted and placed inside the transformer tank, hence paper insulated and Class A insulation is adequate. Please accept.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
78	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	18	CONSTRUCTIONAL FEATURES 5.14.0 Bus Duct Termination	5.14.0 b)	The Bidder shall furnish all necessary details required for co-ordination with isolated phase bus duct / segregated phase bus duct and shall guarantee matching dimensions within close tolerance.	Please provide the busduct temperature for the selection of the bushing rating.	It shall be decided during detailed engineering as per clause no 2.0.0 of Sec-1-GTS_PSS_Rev 3_Revised. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
79	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	36	TESTS 6.3.0 Special Tests	6.3.0	Dynamic Short circuit tests certificates for test conducted earlier on transformers of similar type and rating shall be furnished for the Owner's review. If Dynamic Short Circuit Test certificate is not available then the ability to withstand dynamic effects of short circuit shall be demonstrated by method (b) calculation and design and manufacture considerations (Section 4.2 of IS: 2026, Part-5). The same shall be further in line with Annexure-A of IS: 2026, Part-5.	We agree to demonstrate the short circuit withstand capability by method (b) calculation and design and manufacturer considerations (Section 4.2 of IS: 2026, Part-5) and in line with Annexure A of IS:2026, Part-5. However as per Annexure A of IS:2026, Part-5, the force and stress values should either be compared with the corresponding ones relating to a reference transformer successfully short circuit tested, on condition that the transformer under consideration is similar or be checked against the manufacturer's design rules for short circuit strength. We shall compare the force and stress values against the manufacturer's design rules for short circuit strength and not with respect to any reference transformer.	Bidder shall refer and comply clause no A-3.3 of IS: 2026, Part-5. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
80	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	49	TECHNICAL PARAMETERS	10.0.0 Sl. No. 26)	Percentage impedance of nominal tap at 75°C at 170 MVA Base LV1-LV2 - 27 (Approx. Maximum)	Please confirm weather it is approximate value or maximum value.	Bidder shall refer Amendment
81	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	50	TECHNICAL PARAMETERS	10.0.0 Sl. No. 31)	Accuracy class- 5P20/PS class	Please provide the complete details of CT parameters viz. I mag, Rct, knee point voltage etc.	Bidder is requested to refer Note 18 of 400 kV substation SLD of "Vol II 400 kV and 415 V SLD Drawings" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
82	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	3	INTENT OF SPECIFICATION	1.1.0	This specification covers the requirements of 400 kV GIS with 340MVA, 400/33/33kV Step-up Power transformers, 33 kV switchgear, Hybrid Park Control Monitoring System and associated auxiliary systems including civil & structural works for 400/33kV Pooling Substation-1 (1200 MW, Phase-I & Phase-II of 600 MW each) for efficient and trouble-free operation of the 2375 MW Solar/Wind/Hybrid Renewable Energy park at Great Rann of Kutch Area, Gujarat.	Transformer shall be offered based on the specification given as "Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3.pdf"	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions along with Amendment.
83	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	3	INTENT OF SPECIFICATION	1.3.0 & 1.9.0	1.30. The general terms and conditions, instruction to Bidders and other attachments referred to elsewhere be hereby made part of the technical specification. Bidder's offer shall conform to all requirements stipulated in the specification. 1.90. In case of any conflicts / contradiction among various clauses / Parts / Appendix / Annexure/chapters / appendices / tender drawings of bid documents, the most stringent requirement shall govern; decision of the Owner shall always be final & binding on the Bidder/Successful bidder. No extra claims shall be allowed on this account.	Transformer shall be offered based on the specification given as "Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3.pdf"	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions along with Amendment.

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84	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	4	INTENT OF SPECIFICATION	1.16.0	Presently, the local content requirement to categorize a supplier as 'Class-I local supplier' is minimum 60%.	Kindly clarify how local content is defined. Whether only the sub-vendors of transformer manufacturer should be considered for evaluating the local content or we need to consider even the vendors of the sub-vendors of transformers.  For eg. if a transformer OEM is purchasing CRGO from an indian sub-vendor, will it be considered as 100% local or since the CRGO supplier is importing the mother coil from their vendor outside India, it will be considered as partly local?	Bidder shall refer the Government orders mentioned in Clause No. 1.16.0 of Sec-1-GTS_PSS_Rev 3_Revised & shall comply with APPENDIX-31: of Vol I Sec 7 List of Appendices_PSS-1_R3.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
85	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	5 to 15	SCOPE OF WORK AND SERVICES	2.0.0 to 10.0.0	2.0.0SCOPE OF WORK AND SERVICES 3.0.0 EXCLUSIONS 4.0.0 TERMINAL POINTS 5.0.0 GENERAL REQUIREMENTS 7.0.0 PACKING 8.0.0 QUALITY ASSURANCE & INSPECTION 9.0.0 GUARANTEE 10.0.0 TIME SCHEDULE	Transformer shall be offered based on the specification given as "Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3.pdf"  Further regarding the time schedule, in order to complete the entire work in 14 months for Phase I, two power transformers will have to be dispatched from the factory in 10 months which is very difficult to achieve considering the amount of work involved in manufacturing & the procurement lead cycle of some of the imported raw materials. Hence we request you to kindly accept a completion time of 20 months at least for Phase I and 24 months for Phase II.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
86	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	49 to 63	Annexures	ANNEXURE (E)	ANNEXURE-E: VENDOR LIST	Vendor List - Transformer components vendor list shall be offered with bid. Request to kindly accept the same.	Bidder shall refer to ANNEXURE-E: VENDOR LIST of Sec-1-GTS_PSS_Rev 3_Revised (1). No change in Tender Conditions. Bidder shall comply with tender conditions.
87			General			Kindly provide the transport limitations if any till the site.	Bidder shall refer to clause no 4.0 of "Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3"
88	Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3	47	PRICE ESCALATION	80.1	The rate(s) quoted against the work shall remain firm during the entire Contract period.	In view of the steep increase in fuel and commodity Prices we humbly request to include price adjustment for all items including Civil items as per IEEMA Price variation formula without any ceiling.	Bidder shall refer Amendment
89	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	7	SCOPE OF WORK AND SERVICES	2.3.0 (1)	1. Site related investigations. a. Topographic survey. b. Geotechnical investigation.	We understand that topographical survey and geotechnical investigation provided in tender documents shall be followed during execution stage as well. We need not to conduct fresh survey and soil investigation for same. Please confirm.	Bidder shall refer tender clause no 5.0 of Sec-2-26-Civil_PSS_Rev 3.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
90	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	7	SCOPE OF WORK AND SERVICES	2.3.0 (2) (a)	2. Site Development works a. Site Grading including Soil stabilization and slope protection.	In case, bought out earth is required to meet the desired finished ground level, we understand that customer will allow cutting in balance overall plant area so that cut soil can be used for filling purpose. Please confirm.	Bidder shall refer Amendment
91	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	7	SCOPE OF WORK AND SERVICES	2.3.0 (2) (c)	2. Site Development works c. Compound wall with gates.	a) We understand that Compound wall for the proposed plot area of 168m x 121.5m is under present scope only.Please confirm. B) Request customer to share section for compound wall.	Bidder shall refer tender clause no 6.0 of Sec-2-26-Civil_PSS_Rev 3.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
92	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	7	SCOPE OF WORK AND SERVICES	2.3.0 (2) (d)	d. Internal roads and Culverts.	We understand that only internal roads within the proposed substation area of 168m x 121.5m are under present scope. Please confirm.	Bidder shall comply with tender drawing no:FCE-1721125-EL-DWG-LAY-2100-015. and clause no. 6.7 of Sec-2-26-Civil_PSS_Rev 3  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.  For length of approach roads, bidder shall refer the amendment.
93	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	7	SCOPE OF WORK AND SERVICES	2.3.0 (4) (b)	4.Buildings and Civil Works b. Prefab building for 400kV GIS bays with LCC including EOT crane & ventilation, illumination and other associated works complete in nature.	Request customer to share section drawing for same.	It shall be decided during detailed engineering.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
94	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	7	SCOPE OF WORK AND SERVICES	2.3.0 (4) (c)	4.Buildings and Civil Works c.Prefab Substation control building with all facilities like toilets, septic tank, soak pit, water supply, plumbing, ventilation, illumination and other associated works complete in nature.	We understand that control room building is single storied only. Request customer to share section drawing for same.	Bidder shall refer Sec-2-26-Civil_PSS_Rev 3.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
95	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	7	SCOPE OF WORK AND SERVICES	2.3.0 (4) (d)	4.Buildings and Civil Works d. RCC works (Foundations, trenches, etc.) for 33kV Switchgear Buildings (PEB).	Request customer to share section drawing for same.	Bidder shall refer Sec-2-26-Civil_PSS_Rev 3.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.

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96	Vol II PSS Layout Dawing		400 kV GIS Layout PSS-1		400 kV GIS Layout PSS-1 dwg. No. FCE-1721125-EL-DWG-LAY-2100-015	Request customer to specify the length of 2 roads connecting substation roads to main road.	Bidder shall refer Amendment
97	Vol III 1 Soil Investigation_Part-1 and Part-2		Final GeoTechnical Report		Soil Investigation report- GIPCL/Repark/Geotechnical/2020-21/1404 dated 19th October, 2020	Request Customer to specify the list of borelogs to be considered for proposed sub-station location.	Bidder shall refer Amendment for tentative site Co-ordinates and refer Table 2: Borehole Details of "Vol III 1 Soil Investigation_Part-1" Bidder shall comply with clause no 5.0 of Sec-2-26-Civil_PSS_Rev 3. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
98	Vol III R5-GIPCL Contour Survey.part1				Detailed Geotechnical investigations,contour and topographical survey of proposed solar/wind/Hybrid park at Great Rann of Kutch area,Gujarat	Request Customer to specify the location of proposed substation area in overall plan or share boundary co-ordinates for us to locate.	Bidder shall refer Amendment
99	Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3	24,25,26	25.0 LIQUIDATED DAMAGES FOR DELAY IN COMPLETION 26.0 VENDOR'S/CONTRACTOR'S DEFAULT 27.0 OUTBREAK OF WAR 28.0 FORCE MAJEURE	25.0, 26.0, 27.0, 28.0	25.0 LIQUIDATED DAMAGES FOR DELAY IN COMPLETION 26.0 VENDOR'S/CONTRACTOR'S DEFAULT 27.0 OUTBREAK OF WAR 28.0 FORCE MAJEURE	Hinderance register shall be maintained by us at site which shall include the delays due to force majures,haning over hassle free land, approach road clearances,rain fall,natural calmaities, local issues etc. and extension/compensation shall be provided to us for the same.	Bidder shall refer clause no. (A) 4.0 of Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3 (B) 28.0 Force Majeure of Vol I Sec 4 GCC_PSS_1 PH-1&2_R3. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
100	Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3	5	ACCESS TO SITE AND WORKS ON SITE	4.4.2 4.4.4	4.4.2.Though OWNER has been granted permission to establish park as a whole, the Contractor will be responsible for day to day clearance, permits, material and labour movement or any other compliance requirement of ARMY/BSF/Police while executing the work in the area  4.4.4 Bidder will be responsible to carry out all administrative liaison and permission work with Army/BSF/Police during the execution of work.	We understand that permission for working hours - 24x7 shall be provided to us by customer.Please confirm.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
101			General			We understand that approach road till the proposed station will be provided to us by customer. Please confirm.	Bidder shall refer clause no. 4.0 of Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3 No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
102			General			a) Request customer to provide us details/procedure regarding permissions/permits required for taking material, manpower, machinery to site. B) We understand that a single gate pass/permit will be issued for a particluar item/type. Please confirm.	Bidder shall refer clause no. 4.0 of Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3 No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
103			General			Request customer to provide us details/procedure regarding permissions/permits required for taking material,manpower,machinery back from site.	Bidder shall refer clause no. 4.0 of Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3 No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
104			General			We understand that a list of vehicles along with required documents to be deployed for site activities shall be submitted and a single time permit can be issued for that list for a certain period of time which can be renewed time to time as required. Please confirm.	Bidder shall refer clause no. 4.0 of Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3 No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
105			General			Request customer to provide us details/procedure regarding permissions/permits required for entry/exit of labors required at site.	Bidder shall refer clause no. 4.0 of Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3 No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
106	Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3	5	ACCESS TO SITE AND WORKS ON SITE	4.4.1	The site is located in defense sensitive area near international border and subject to monitoring and adherence to security protocol and working during the construction and operation period.	Since this area is near border limits, request customer to specify if there are any restrictions for movement of labor in and around the site premises. Please confirm.	Bidder shall refer clause no. 4.0 of Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3 No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.

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107	Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3	18	FACILITIES TO BE PROVIDED BY THE OWNER/ PURCHASER	32.3 32.4	<b>Electricity</b> .....the Contractor shall arrange the construction power through DG sets to meet their construction need at their own cost.... <b>Water</b> The Contractor shall make his own arrangement for water for erection/construction & drinking purposes (or any other purpose required by contractor).	Request customer to confirm if construction water and power shall be provided at single point for construction works.	As per Tender conditions Construction Water and Construction Power shall be in the scope of contractor. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
108	Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3	18	FACILITIES TO BE PROVIDED BY THE OWNER/ PURCHASER	32.2.1	.....No space will be provided by the Purchaser for the Contractor's labour. All facilities for labour housing shall be the sole responsibility of the Contractor. The balance requirement of space over and above what is allotted by GIPCL shall be met by the Contractors through his own means.	We understand that space for labor colony shall be provided free of cost near the propsoed location by customer.Please confirm.	GIPCL shall provide reasonable space for storage & site office construction subject to availability. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
109			General (Site Visit-Labor/Staff Training)			Is there any specific/special training/guidelines required for labor/staff who are supposed to work at site. Please confirm.	Bidder shall refer clause no. 4.0 of Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3 No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
110	Vol II Sec-2-10-DTS_Power line carrier com_PSS_Rev 3	1	TECHNICAL REQUIREMENTS	3.1.0	PLCC shall be used for communication link between GIPCL 400kV PSS-1 and interconnecting PGCIL Grid Substation, Khavada-II, Great Rann of Kutch, Gujarat through 400 kV transmission lines. PLCC panels shall be located in the PSS-1 Control Room.	Only PLCC of present Substation is in our Scope and terminal Substation end PLCC not in our scope. Please confirm	Bidder shall refer Clause No 2.0.0 of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
111	Vol II Sec-2-7-DTS_Relay Panels_PSS_Rev 3	6	Line protection	4.2.2 (a)	(a) The line protection panel shall consist of following relays and protection schemes: <input type="checkbox"/> Main-I numerical distance and differential protection scheme Main-II numerical distance and differential protection scheme of different hardware platform from that of Main -I. Main-I & Main-II distance protection relays shall be of different make.	We understand that the main-1 will be distance relay only and Main-2 will be distance cum differential relay. Please confirm	Bidder shall refer clause no 4.1.5 and 4.2.2 of "Vol II Sec-2-7-DTS_Relay Panels_PSS_Rev 3" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
112	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	6	SCOPE OF WORK AND SERVICES	2.2.0	Optional price to be provided by bidder for the following items: c) Line Differential Relay & Distance Relay and associated items at CTUIL / ISTS substation for GIPCL incoming 400 kV Transmission Line.	We understand that terminal Substation end differential relay is not in our scope. Only optional price to be quoted for the same.Please confirm	Bidder shall refer Clause No 2.0.0 of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)" Line Differential Relay & Distance Relay and associated items at CTUIL / ISTS substation for GIPCL incoming 400 kV Transmission Line if required by CTUIL / ISTS system is in socpe of PSS-1 EPC Bidder. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
113	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	9	TERMINAL POINTS	4.0.0	For line bays, 400 KV line will be terminated at the incoming line bay tension insulators by Transmission line contractor.	We understand that transmission line side insulators are not in present scope of work. Please confirm	Bidder shall refer Clause No 4.0.0 of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
114	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	5	SCOPE OF WORK AND SERVICES	2.0.0	SCOPE OF WORK AND SERVICES	We understand that the line bay is new line and all communications associated with new line are not needed to match with any other system. Please confirm.	Bidder shall refer Clause No 2.0.0 of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
115	Vol II Sec-2-9-DTS_Tariff Metering Panels_PSS_Rev 3	2	TECHNICAL REQUIREMENTS	4.1.2	The meters shall be 3-phase, 4 wire, 0.2s accuracy class static electronic tri-vector energy meters with ABT compatibility. Following tariff meters shall be provided in the tariff metering panel. a) Standby for 400 kV Transmission line at PSS-1 end c) Standby meter on 400 kV side of each transformer.	We understand that in tansformer bay only stand by meter is required and for line bay main+check ABT meter to be considered. Please confirm	Bidder shall refer Clause No 4.1.2 "Vol II Sec-2-9-DTS_Tariff Metering Panels_PSS_Rev 3" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
116	Vol II Sec-2-9-DTS_Tariff Metering Panels_PSS_Rev 3	2	TECHNICAL REQUIREMENTS	4.1.0	General	Please clarify whether summation meter is required in our Present Scope	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.

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117	Vol II Sec-2-28-DTS_PMU_PSS_Rev 3	1	SCOPE OF WORK	2.1.0	The scope of work shall include the following equipment. <input type="checkbox"/> Eight (08) nos of PMU shall be provided for 400 kV system (One for Transmission line, Four (04) for Power Transformer, One (1) for Bus coupler and (2) for Bus PT's at the outgoing transmission line feeder at the sending end of the GIPCL 400kV pooling substation and another one (01) no. optional requirement at the receiving end of the PGCIL / CTU 400kV substation.	We understand that PMU is required on both end on PSS end 1no. line and GSS end 1no. line (CTUIL, ISTS).PMU Not required for transformer bay. Please confirm	Bidder shall refer clause no 2.1.0 of "Vol II Sec-2-28-DTS_PMU_PSS_Rev 3" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
118	Vol II Sec-2-14-DTS_SST_PSS_Rev 3	1	SCOPE OF WORK	2.0.0	The scope of work shall include the following equipment. o 2 nos. 1250 kVA (Rating is tentative. Required rating shall be designed as per connected load + 600KVA GIPCL future loads for other packages. Final rating shall be as per Standard Ratings as per IS), 33/0.433 kV rated oil filled outdoor type transformer in Pooling Substation-1.	Please confirm whether we can design the transformer below the rating provided for Aux Transformer from 1.25MVA	Bidder shall refer clause no 2.0.0 of "Vol II Sec-2-14-DTS_SST_PSS_Rev 3". No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
119	Vol II 400 kV and 415 V SLD Drawings		Single line diagram for 415V AC System PSS-1		Single line diagram for 415V AC System PSS-1	As per LV SLD we don't find any Lighting transformer Please confirm whether it needs to be considered or not. If it is required to be considered please mention the rating.	Bidder shall refer clause no 2.4.0 and 2.5.0 of "Vol II Sec-1-GTS_PSS_Rev 3_Revised" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
120	Vol II Sec-2-16-DTS_DC System_PSS_Rev 3	1	SCOPE OF WORK	2.2.0	Each 220 V DC system shall be sized to feed following equipment in the Substation. <input type="checkbox"/> Control power requirements of Pooling Substation equipment and C&R panels <input type="checkbox"/> Control power requirements 33 kV switchgear. <input type="checkbox"/> Control power requirements of LV system <input type="checkbox"/> Power requirement of UPS / UPS's	Please confirm whether DC/Battery system design to be considered with present(PSS-1) and future(PSS-2) requirements or only for present requirement (i.e. PSS-1)	Bidder shall refer clause no. 1.0.0 of "Vol II Sec-2-16-DTS_DC System_PSS_Rev 3" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
121	Vol II Sec-2-17-DTS_UPS System_PSS_Rev 3 Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	1 20	SCOPE OF WORK Annexure-B Bill of Quantity	2.1.1 Sr. No. 38	Two separate 230 V UPS. UPS shall have true wave sine output. Each UPS shall be having 100 % load capacity..... 230V AC UPS system: Set-4	We understand that we have to provide 2sets of UPS as per Tech specs in place of 4nos as mentioned in BOQ. Please confirm	Bidder shall refer Amendment
122	Vol II Sec-2-19-DTS_DG set_PSS_Rev 3	1	SCOPE OF WORK	2.1.0	The scope of work shall include the following equipment. One no. of 500 kVA*, 415 V rated Diesel Generator set at PSS-1 area in Acoustic enclosure of standby operation to cater PSS essential loads in case of auxiliary power supply failure.	For 500kVA DG Set duty rating not specified please specify whether it is continuous duty of emergency duty.	Bidder shall refer clause no. 2.1.0 of " Vol II Sec-2-19-DTS_DG set_PSS_Rev 3" and Drg. No. FCE-1721125-EL-DWG-SLD-2100-006, Rev.04 of "Vol II 400 kV and 415 V SLD Drawings" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
123	Vol II Sec-2-19-DTS_DG set_PSS_Rev 3	1	SCOPE OF WORK	2.1.0	The scope of work shall include the following equipment. o One no. of 750 kVA*, 415 V rated Diesel Generator set at PSS-1 area in Acoustic enclosure of normal continuous operation to cater load of park infrastructure buildings, desalination plant & park street lighting. o One no. of 500 kVA*, 415 V rated Diesel Generator set at PSS-1 area in Acoustic enclosure of standby operation to cater PSS essential loads in case of auxiliary power supply failure. The * indicated size is tentative. The sizing shall be carried out during detail engineering for which the increase in cost if any shall be absorbed by EPC contractor without putting any claim on Owner.	For DG Sets, 500 & 750kVA ratings are considered, kindly confirm whether optimization is allowed in the rating of DG sets.	Bidder shall refer Amendment
124	Vol II Sec-2-18-DTS_Power and control cables_PSS_Rev 3					We understand that cable will be only burried without any pipe or cable trench. Please confirm.	Bidder shall refer clause no 8.9 of Sec-2-26-Civil_PSS_Rev 3. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
125			General			Kindly specify the distance between PSS1 and PSS2	The distance between PSS-1 and PSS-2 is approximately 5km (along the RE Park main road.) No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.

**Consolidated Response to Bidder's Queries**

**Referenece:**

- 1) Tender Enquiry Document For Pooling Substation 400/33 KV, 1200 MW (PSS-1, Phase-I & Phase-II of 600 MW Each ) of Solar/ Wind / Hybrid RE Park of 2375 MW Capacity at Great Rann of Kutch Area, Gujarat (RFP No. GIPCL/RE Park/PSS/Phase-I Dtd. 07.04.2022)
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Sr. No	Vol. No. & Section No.	Page No.	Main Clause	Clause No.	As per EPC Tender (GIPCL/RE PARK/PSS/Phase-I)	Bidder's Queries	GIPCL reply / clarification to Pre Bid Queries
126	Vol II Sec-2-10-DTS_Power line carrier com_PSS_Rev 3	1	INTRODUCTION	1.0.0	PLCC equipment and its associated 400 kV AIS outdoor equipment's are to be used ONLY IF it is mandatorily imposed by Khavada-II PS "power communication system" as a non-negotiable part of technical requirements. EPC contractor shall co-ordinate with concerned authorities to ensure that PLCC system is not enforced as this is not mandatory in line with Central Electricity Authority (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations, 2010. Normally, two numbers of FOTE Panels for PSS-1 end and two numbers of FOTE Panels for Khavda-II PS (CTUIL S/s) end with required associated system is envisaged i.e. 100% redundancy of power system communication.	Kindly clarify regarding requirement of FOTE or PLCC, what needs to be considered for bidding purpose.	Bidder shall refer clause no 2.0.0 of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
127	Vol II PSS Layout Dawing Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	12	GENERAL REQUIREMENTS	5.8.2	Volume-II PSS Layout Drawing Single line diagrams, general arrangement drawings, layouts etc. are enclosed with the specification for reference. List of these drawings is given in Annexure – F. The Substation shall be engineered further based on these drawings. These drawings are preliminary, conceptual and tentative and not all requirements, functionality, equipment, instruments, and specifications are part of these drawings.	As per Layout provided along with tender document, if we find that some optimization of GIS BLDG is possible Please confirm whether optimisation of GIS Building is allowed or not.	Bidder shall refer Amendment
128	Vol II Sec-2-10-DTS_Power line carrier com_PSS_Rev 3	1	TECHNICAL REQUIREMENTS	3.2.0	PLCC equipment comprising of not limited to the following shall be provided: <input type="checkbox"/> Line Trap or Wave Trap	Spec for 400kV Wave trap is missing please provide the same	Bidder shall refer clause no 3.15.0 , 4.0.0, 6.2.1,6.3.1,8.0.0 of "Vol II Sec-2-10-DTS_Power line carrier com_PSS_Rev 3" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
129	Vol II PSS Layout Dawing Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	12	GENERAL REQUIREMENTS	5.8.2	400 kV GIS Layout-PSS-1 Single line diagrams, general arrangement drawings, layouts etc. are enclosed with the specification for reference. List of these drawings is given in Annexure – F. The Substation shall be engineered further based on these drawings. These drawings are preliminary, conceptual and tentative and not all requirements, functionality, equipment, instruments, and specifications are part of these drawings.	As per Layout and SLD, we understand that Maintanace bay and future extention required only on one side of present scope. Kindly confirm.	Bidder shall refer Clasue No 5.8.2 of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
130	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	21	ANNEXURE- B: BILL OF QUANTITY	Sr. No. 51	Common Communication panel with all equipment, cables and accessories.- 1 Lot	Please confirm what is the need for Common Communication Panel.	Bidder shall refer "Vol II Communication Architecture Drawing" and ammendment. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
131	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	21	ANNEXURE- B: BILL OF QUANTITY	Sr. No. 57	RIO (Remote Input Output) Panel for PPC at ISTS S/s- 1nos.	Line item not clear please Provide details.	Bidder shall refer "Vol II Communication Architecture Drawing" . No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
132	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	21	ANNEXURE- B: BILL OF QUANTITY	Sr. No. 60	Fire stop cable sealing system- 1 lot	Please confirm whether Conventional Cable Entry to the BLDG is allowed or Modular Multi-diameter cable sealing system is required	Bidder shall refer Amendment
133	Vol III 1 Soil Investigation_Part-1 and Part 2	25	RESULTS OF ERT	5.3	Table 16: ERT Results	For estimation of earthing material we are considering Soil resistivity provided along with tender documents. If any change of resistivity values after finalisation of order will impact the materials and same to be born by client. Please confirm.	Bidder shall refer clause no 2.10.0, 2.4.0 and 2.5.0 of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)" and 3.1.7 of "Vol II Sec-2-20-Earthing_PSS_Rev 3" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.

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134	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)  Vol II Sec-2-27-DTS_HPCMS_PSS_Rev 3	22,5  15	ANNEXURE- B: BILL OF QUANTITY  SCOPE OF WORK AND SERVICES Field SCADA:	Sr. No. 85  2.2.0  3.8.0	Hybrid Park Control Monitoring System (HPCMS)  Hybrid Park Control and Monitoring System (HPCMS)-Main SCADA, which collects data from all the Field SCADA at the Solar Power Plants/ Wind Power Plants, Weather Monitoring stations and SAS at the Switchyard.  The Field SCADA are placed in the Solar/Wind Power Plants. This will be under the scope of the Solar/Wind Power Plant Developer.	We understand that Field SCADA is not in present Scope only Substation SCADA is in present Scope of work. Please confirm	Bidder shall refer clause no 2.0.0 and 4.0.0 (1-iv) of " Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)" .  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
135	Vol II Sec-2-10-DTS_Power line carrier com_PSS_Rev 3	18	SCOPE OF WORK	3.2.0	All interface data and communication cables are covered under scope of this specification.	Please confirm whether laying of FO cable from PSS1 to PSS 2 is in present scope of work. If yes, For Laying FO Cables from PSS1To PSS2, please confirm the length of FO cable and we understand that FO cables are only burried and not laid in GI Pipes.	Bidder shall refer Note-9 of "Vol II Communication Architecture Drawing" and clause no. 4.0.0 of " Vol II Sec-2-31-Fibre Optic Cables_PSS_Rev 3"  Approx distance between PSS-1 & PSS-2 is 5 KM.  Bidder may carryout site visit for FO cable length.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
136	Vol II Sec-2-10-DTS_Power line carrier com_PSS_Rev 3	1	INTRODUCTION	1.0.0	PLCC equipment and its associated 400 kV AIS outdoor equipment's are to be used ONLY IF it is mandatorily imposed by Khavada-II PS "power communication system" as a non-negotiable part of technical requirements.	Kindly clarify, whether PLCC is required to be considered for bidding by bidder Please confirm whether optional item will be considered for evaluation of bid.	Bidder shall refer clause no 2.0.0 of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)" and Bidder shall refer "Vol I Sec 8 Price Schedule_ PSS_1 PH-1 and 2_R3" for evaluation of Bid.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
137	Vol II Sec-2-27-DTS_HPCMS_PSS_Rev 3	5	SYSTEM DESCRIPTION	2.1.0 2.2.0 2.3.0	2.1.0The 2375 MW Hybrid Park comprises of Pooling Substation-1 on PHASE 1&2 rated for 1200 MW and Pooling Substation-2 on PHASE 3&4 rated for another 1200 MW. 2.2.0 The Hybrid Park is subdivided into Solar plots with 100 MW capacity on PHASE 1&2 and Solar/Wind plots 100 MW on PHASE 3&4. 2.3.0 The Hybrid Park shall be provided with Centralized Control & Monitoring Station, which shall be referred as Hybrid Park Control & Monitoring System (HPCMS) common for the entire Hybrid Park (PHASE 1&2 and PHASE 3&4) to be located in the Substation control building of Pooling Substation-1. The HPCMS shall have the following features	We understand that HPCMS system is required for complete switchyard under present scope of work, including complete 2375 MW, Khavada Hyrid Park Project comprising all solar plots of 100MW capacity under phase -1 and Phase-2 (including all necessary hardware and softwares with all the cables and accesories) (as optional item) Please confirm	Bidder shall refer Amendment
138	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	9	TERMINAL POINTS	4.0.0	<input type="checkbox"/> For line bays, 400 KV line will be terminated at the incoming line bay tension insulators by Transmission line contractor.	We understand that supply, installation of dead end tower including termination of line on the dead end tower with associated conductor, hardware & insulators is not under current scope of contract.please confirm.	Bidder shall refer Clause No 4.0.0 of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)"  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
139	Vol II Sec-2-8-DTS_SS Automation_PSS_Rev 3	1	SCOPE OF WORK	2.1.3	Substation Automation System for Pooling Substation-1 covering 400 kV substation, 33 kV switchgears, Transformers, Interface, LT switchgears – ACDB, UPSDB, DCDB, Lighting DB, Station Service Board, Power Infrastructure DB, UPS, Battery Chargers, Fire Protection System with Hybrid Park Control Station (HPCMS) and SAS, etc. EPC of Substation Automation System shall be in scope of bidder. It shall be designed for maximum safety, efficiency, reliability, cyber security and CEA / Electricity Regulatory Commission / Transmission Utility / POSOCO/ RLDC or similar competent statutory authorities' latest guidelines in India. The specification covers all technical requirement with all accessories, tools and tackles of Design, Engineering, Testing at manufacture's work, supply, packing, forwarding, transportations, insurance, delivery at site, unloading at site, installation, erection, commissioning, testing of SAS, integration with HPCMS, Warranty, Training to owners' representative, support/services and integration with all IED, meters, etc.	We understand that the scope of SAS for control & monitoring of 400/33 kV PSS 1 equipment is limited to 400 kV GIS Bays & 33 kV AIS Bays as shown in SLD, pls confirm if the bidder's understanding is in line with the requirement.	The refered caluse and tender documents are self explanatory.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
140	Vol II DC UPS and SAS Drawing				Substation Automation System Diagram, Drg No. FCE-1721125-EL-DWG-SCM-2100--011	As per Tender SAS Architecture, we understand redundand Gateway for data exchange with PGCIL Khavada/RLDC over IEC 104 protocol is envisaged, pls confirm if the bidder's understanding is in line with the requirement.	Bidder shall refer to "Vol II Communication Architecture Drawing" and Clause No. 2.7.0 of " Vol II Sec-2-27-DTS_HPCMS_PSS_Rev 3"  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.



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141	Vol II Sec-2-8-DTS_SS Automation_PSS_Rev 3	15	Communication Protocol	4.49.5	The communication protocol for gateway to RLDC / CTU GSS must be open protocol and shall support IEC 60870-5-101, 60870-5-104 and IEC 61850 for all levels of communication for SAS such as Bay to station HMI, gateway to remote station etc.	Please confirm if industrial grade RTU type Gateway with onboard IEC 61850/IEC 104 protocol support for remote data exchange is acceptable for present scope.	It shall be decided during detailed engineering. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
142	Vol II DC UPS and SAS Drawing				Substation Automation System Diagram, Drg No. FCE-1721125-EL-DWG-SCM-2100-011	From the SAS architecture we understand 1 No Data Concentrator is to be provided for storage of Energy Meter data & for further networking with the EMS, pls confirm if the bidder's understanding is in line with the requirement.	Number of Data Concentration shall be based on site condition ,design and "Vol II DC UPS and SAS Drawing"Substation Automation System Drawing ((DWG NO FCE-1721125-EL-DWG-SCM-2100-011) . No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
143	Vol II Sec-2-8-DTS_SS Automation_PSS_Rev 3	13	Data Concentrator	4.48.0	Data Concentrator	Please confirm if RTU based Data Concentrator for pooling Energy Meter Data having modular IO cards is suitable for user's interfacing requirement under present scope.	It shall be decided during detailed engineering. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
144	Vol II Sec-2-8-DTS_SS Automation_PSS_Rev 3	13	Data Concentrator	4.48.1	4.48.1 Each Data Concentrator panel shall consist of the following: (a) Redundant Servers (for both Control and Data) for SAS (b) Sleek foldable monitor with keyboard and mouse (c) Hardware for smooth changeover between redundant servers like KVM switch, etc. (d) Ethernet switches for both Numerical relay network and PSS LAN (e) Ethernet switches for connection to HPCMS (f) Power supply modules (g) Monitoring devices for power supply and healthiness of various important equipment (h) At least 4 Nos. (2 working + 2 standby) ventilation fans with monitoring (i) Binary I/O cards (j) Arrangement for receiving and distributing auxiliary redundant power supply to various equipment / circuits (k) Any other equipment / device necessary for completeness of the system	With Data Concentrator Panel we understand the requirement Calls for SAS Panel for housing Redundant SAS Server, Data Concentrator for Energy Meter Data Storage, Gateway & other networking accessories, pls confirm if the bidder's understanding is in line with the requirement.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
145	Vol II Sec-2-8-DTS_SS Automation_PSS_Rev 3	13	Data Concentrator	4.48.1 (b)	(b) Sleek foldable monitor with keyboard and mouse	Please confirm if Table top redundant OWS with 24" Inch Monitor, keyboard & Mouse for control & monitoring of 400/33 kV PSS 1, is acceptable under present scope.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
146	Vol II DC UPS and SAS Drawing				Vol II DC UPS and SAS Drawing	Please confirm if SAS Server cum OWS on IEC 61850 protocol in redundant configuration is acceptable under present scope.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
147	Vol II Sec-2-8-DTS_SS Automation_PSS_Rev 3	13	Data Concentrator	4.48.8	Data concentrator shall have dual redundant ports for communication to HPCMS on OPC. The OPC interface with HPCMS shall be demonstrated at the time of FAT Testing of HPCMS.	Please confirm if redundant data exchange provision with SAS & HPCMS over OPC protocol through SAS Server is acceptable under present scope.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
148	Vol II Sec-2-8-DTS_SS Automation_PSS_Rev 3	48	LIST OF EQUIPMENTS	17.0.0	(o) Remote workstation including HMI and along with Two numbers dot matrix printers and One number color laser jet printer (A3/A4 paper)	Pls confirm if Remote HMI has to be offered for control & monitoring of 400/33 kV PSS 1 equipment, if yes, then pls share the protocol for data exchange between SAS & Remote HMI	Bidder shall refer Amendment
149	Vol II Sec-2-8-DTS_SS Automation_PSS_Rev 3	48	LIST OF EQUIPMENTS Substation Automation System Diagram, Drg No. FCE-1721125-EL-DWG-SCM-2100-011	17.0.0	Dual redundant communication between intelligent electronic devices (IEDs) and ethernet switches	Pls confirm the networking topology to be followed for connecting bay IEDs to the bay level ethernet switch (Redundant in RSTP, Redundant in PRP, Non Redundant in Star)	It shall be decided during detailed engineering. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
150	Vol II Sec-2-8-DTS_SS Automation_PSS_Rev 3	17 & 22	SYSTEM REQUIREMENTS  SYSTEM HARDWARE	5.8.0  7.6.0	One Ethernet switch is provided for each bay. The connection from each IED to the switch is by a dual fiber optic link. Ethernet switch shall be powered by redundant DC power supply.  Switched Ethernet Communication Infrastructure The Vendor shall provide the redundant switched optical ethernet communication infrastructure for SAS. One Switch shall be provided to connect all IEDs for two bays of 400kV to communication infrastructure. Each switch shall have at least two spare ports for connecting bay level IEDs and one spare port connecting station bus	As per Clause No. 5.8.0 One No Ethernet Switch per bay is to be offered.  However, as per clause No. 7.6.0 1 No Ethernet Switch is to be offered for 2 No 400 kV Bays. Also, there is no clarity on the switch calculation for 33 kV Bays. Kindly confirm the bay level Ethernet Switch calculation to be followed for 440 kV & 33 kV Bays.	Bidder shall refer "Vol II DC UPS and SAS Drawing"Substation Automation System Drawing ((DWG NO FCE-1721125-EL-DWG-SCM-2100-011) and refer clause no. 4.22.0 of " Vol II Sec-2-8-DTS_SS Automation_PSS_Rev 3 " No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.

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151	Vol II Sec-2-8-DTS_SS Automation_PSS_Rev 3	13	Data Concentrator	4.48.6	Each Data Concentrator System shall have Two (02) digital I/O cards (32 I/O) suitable for interface requirement. It shall also have required number of ports for LAN connections as shown in the architecture drawings. 20% or, minimum Two (02) nos. spare ports whichever is maximum shall be provided for future extensions.	Please confirm if 20% spare ports in each ethernet switch of user future requirement is acceptable under present scope.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
152	Vol II Sec-2-7-DTS_Relay Panels_PSS_Rev 3	2	Relay Details	4.1.5 4.1.6	Line Feeder (Main-I and Main-II) shall have the following protections / equipment / components as a minimum:  Transformer Feeder shall have the following protections / equipment / components as a minimum:	Pls confirm the type of Busbar Differential Protection Relay to be offered for present scope, Centralised or Decentralised type? Also pls confirm the future bay requirement to be considered while proposing the busbar differential protection system for 400 kV bays.	Bidder shall refer clause No 2.5.0 of "Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3 " and clause No 4.24 (a), 4.24 (b) 19 of "Vol II Sec-2-7-DTS_Relay Panels_PSS_Rev 3"  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
153	Vol II 400 kV and 415 V SLD Drawings				400kV Substation Single Line Diagram, Drg No. FCE-1721125-EL-DWG-SLD-2100-001	As per protection SLD, 87B protection for Trafo Bay is clubbed with HV/LV side Standby Earth Fault Protection, however these protection functions are not available in Busbar Differential Protection Relay as the same is related to Transformer Protection. Accordingly bidder propose of offer separate IED for these protection functions, kindly confirm the acceptance.	Bidder shall refer clause No 2.4.0 and 2.5.0 of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)"  Separate IED is acceptable.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
154	Vol II 400 kV and 415 V SLD Drawings				400kV Substation Single Line Diagram, Drg No. FCE-1721125-EL-DWG-SLD-2100-001	Pls confirm if backup impedance protection is required for 400 kV transformer, if yes then pls confirm if standalone rely is to be offered for this function or this can be offered as an inbuilt function of Transformer Protection Relay.	Bidder shall refer clause no 4.1.6 and 4.1.10 of "Vol II Sec-2-7-DTS_Relay Panels_PSS_Rev 3".  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
155	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	1	SCOPE OF SUPPLY & WORK	2.1.0	....Further the scope shall include all equipment/ components/tools/spares required making a complete, reliable and troubling free functional system, even if not specifically listed in this specification. The scope also includes special training of owner's testing, operation and maintenance staff.	Our scope shall be limited to supply of design, engineering, and manufacturing of GIS as per the agreed scope matrix.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
156	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	1	SCOPE OF SUPPLY & WORK	2.1.0	.....In case bus disconnecter is part of busbar then intermediate compartment should be provided between every bay including bus VT to perform rectification activities keeping adjacent bays in service.	For the offered GIS, busbar and busbar disconnecter are in separate gas compartments. Thus, in order to meet the required service continuity it is not necessary to have gas barriers in bubsar. We request customer to kindlt confirm the same.	As shown in "Vol II 400 kV and 415 V SLD Drawings" bus disconnectors and gas barriers are to be provided and Bidder shall refer Amendment.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
157	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	2	Indoor GIS System	2.2.1	c) Two (2) terminal boxes/ marshalling boxes for each VT's	We request you to confirm/clarify this point.	Bidder shall refer Tender clause 4.2.54 of "Vol II Sec-2-9-DTS_Tariff Metering Panels_PSS_Rev 3"  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
158	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	2	Indoor GIS System	2.2.1 (d)	Surge arrestors at GIS bus bars if deemed necessary based on power system studies during detail engineering.	Insulation coordination study is in Siemens T SO scope. We request T SO to kindly confirm the requiremnt of LA for buabrs.	Bidder's query is not applicable to the tender.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
159	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	2	Indoor GIS System	2.2.1 (i)	UHF sensors in GIS for PD (Partial Discharge) detection: Adequate number of UHF sensors shall be provided in the offered GIS (of 5 pC and above as per IEC 60270). The number and location of these sensors shall be based on laboratory test on typical design of GIS as per recommendations of CIGRE Document No. 654 (Application Guide for sensitivity verification for UHF Partial discharge detection system for GIS).	The number of UHF sensors shall be as per OEM standard design catering to PD requirement. We request customer to kindly accept the same.	Bidder shall refer Amendment
160	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	9	Indoor GIS System	2.2.14	Continuous on-line monitoring and diagnostics systems to monitor gas density, gas pressure, leakage, moisture, etc., operating parameters such as current, voltage, temperature, etc. complete with sensors and integration of the systems with plant SAS & HPCMS system. Hybrid density monitor shall be provided.	Please confirm if online gas monitoring is required. Operating parameters such as current, voltage, can be measured in CRP. We do not envisage temperature monitoring as the temeperature limit for GIS is within IEC limits. Moisture can be measure using SF6 gas analyzer, offline. Request customer to kindly confirm the same.	Bidder shall refer Amendment
161	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	14	DESIGN & CONSTRUCTION REQUIREMENTS FOR 400 kV GIS SYSTEM	7.10.0	.....The wall thickness of the enclosure shall be based on the design pressure as well as considering a burn through duration of 0.1 sec.	The wall thickness of the enclosure shall be as per OEMs standard type tested design. The burn through time for the enclosures shall be as per IEC standards.	Bidder shall refer Amendment
162	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	15	DESIGN & CONSTRUCTION REQUIREMENTS FOR 400 kV GIS SYSTEM	7.18.0	The thermal rating of all current carrying parts shall be minimum one second for the rated symmetrical short circuit current.	We understand that the Short circuit rating is 63 kA for 1 sec for GIS bays under dicussion.	Bidder shall refer Amendment

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Sr. No	Vol. No. & Section No.	Page No.	Main Clause	Clause No.	As per EPC Tender (GIPCL/RE PARK/PSS/Phase-I)	Bidder's Queries	GIPCL reply / clarification to Pre Bid Queries
163	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	16	LOCAL CONTROL CUBICLE / PANEL	8.3.0	.....The width of mimic strip shall not be less than 5 mm....	The same shall be as per OEM standards. Request customer to kindly accept the same.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
164	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	22	Type Tests	22.1.0	The Contractor shall submit the type tests reports for the tests conducted on the equipment similar to those to be supplied under this contract and the test(s) should have been conducted at an independent laboratory not earlier than ten (10) years from date of Letter of Intent (LoI).	As per CEA guidelines, the validity of type test reports for GIS is 15 years. We request customer to kindly accept the same.	Bidder shall refer Amendment
165	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	23	Spares	23.1.1 (b)	The Bidder shall include in his scope: (b) Mandatory Spares	We request you to provide list of spare to be provided under present scope of contract.	Bidder shall refer ANNEXURE- C of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
166	Vol II Sec-2-4-DTS_400 kV GIS Equipment_PSS_Rev 3	1	RATING	3.1.0 (h)	400 kV Circuit Breaker h) Rated Closing Time: Not more than 45 ms	For the offered GIS, the closing time shall be 68 ± 7 ms. This is as per OEMs standard type tested design. Request customer to kindly accept the same.	Bidder shall refer Amendment
167	Vol II Sec-2-4-DTS_400 kV GIS Equipment_PSS_Rev 3	2	OPERATIONAL REQUIREMENTS	4.8.0	Trip Circuits: Two independent tripping circuits, valves, pressure switches and coils to be provided for connection to different set of relay. The circuits shall operate correctly under all operating conditions upto rated breaking capacity and at all values of supply voltage between 70% to 100% of rated supply voltage. However even at 50% of rated supply voltage the breaker shall be able to operate. Trip coil supervision to be provided in both open and close position.	For the offered GIS, the operating can be performed when the volatge variation for trip coil is 70% to 110% and for close coil it is 85% to 110%. This is in line with IEC standard. Request customer to kindly accept the same.	Bidder shall refer Amendment
168	Vol II Sec-2-4-DTS_400 kV GIS Equipment_PSS_Rev 3	6	Disconnecting Switches (DS)	3.1.0 (vii)	Rated capacitive current make and break capacity: 0.50A	The same shall be as per IEC standards.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
169	Vol II Sec-2-4-DTS_400 kV GIS Equipment_PSS_Rev 3	7	Earth Switch (ES)	3.2.0	(iv) Class M2-E1	For safety earthing switches, the eletrical making capacity is class E0. For high speed earthing switches, the same shall be class E1. Request customer to kindly accept the same.	Bidder shall refer Amendment
170	Vol II Sec-2-4-DTS_400 kV GIS Equipment_PSS_Rev 3	8	DESIGN AND CONSTRUCTIONAL FEATURES – DISCONNECTING SWITCHES	4.19.0	The disconnecting switches shall be provided with rating plates and shall be accessible for inspection.	For disconnecter switches it is not envisaged to have separate nameplates. Name plates shall be provided for Bay, CT, VT as per IEC standards. Request customer to kindl accept the same.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
171	Vol II Sec-2-4-DTS_400 kV GIS Equipment_PSS_Rev 3	13	INSTRUMENT TRANSFORMERS	3.2.0	Current Transformers	Please confirm the CT parameters. Do we need to consider the CT parameters mentioned on SLD?	Bidder is requested to refer Note 18 and 19 of 400 kV substation SLD of "Vol II 400 kV and 415 V SLD Drawings" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
172	Vol II Sec-2-4-DTS_400 kV GIS Equipment_PSS_Rev 3	14	Voltage transformers	3.3.0 (ix)	Rated thermal burden: 1500 VA	The same shall be 200 VA. Request customer to kindly accept the same.	Bidder is requested to refer Note 18 and 19 of 400 kV substation SLD of "Vol II 400 kV and 415 V SLD Drawings" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
173	Vol II Sec-2-4-DTS_400 kV GIS Equipment_PSS_Rev 3	14	Current Transformers	4.1.2	The current transformers shall have class B type insulation and shall be suitable for high speed auto reclosure.	For the offered GIS CTs, the insulation class is class E. This design is sucessfully type tested and globally offered, and is in haste free operation. Request customer to kindly accept the same.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
174	Vol II Sec-2-4-DTS_400 kV GIS Equipment_PSS_Rev 3	14	Current Transformers	4.1.3	The particulars of the various cores may change within reasonable limits as per the requirements of protection relay supplier. The manufacturer is required to have these values confirmed from the purchaser before proceeding with design of the cores. The other characteristics of CTs shall be as given in Technical Parameter of Current Transformer.	Please support with CT parameters required	Bidder is requested to refer Note 18 and 19 of 400 kV substation SLD of "Vol II 400 kV and 415 V SLD Drawings" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
175	Vol II Sec-2-4-DTS_400 kV GIS Equipment_PSS_Rev 3	15	Current Transformers	4.1.17	Tariff metering CT of GIS is specified and preferred due to inherent technical advantages, however, if GIS CT is not acceptable by competent authorities than EPC contactor shall provide AIS CT in place of tariff metering core of GIS CT. EPC contactor shall finalized this in advance with valid justification.	As per SLD, we infer that the Tariff metering is outdoor AIS type. Kindly confirm the same.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
176	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	12	GENERAL DESIGN REQUIREMENTS OF 400 KV GIS & OUTDOOR SWITCHYARD	4.0.0	GENERAL DESIGN REQUIREMENTS OF 400 KV GIS & OUTDOOR SWITCHYARD	Request customer to kindly share the GIS layout.	Bidder shall refer "Vol II PSS Layout Dawing" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
177	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	5	SCOPE OF SUPPLY & WORK	2.2.6	Gas Insulated Bus (GIB) Duct	Whether the 400kV busduct qty will be in lot? Please share the qty if any.	Bidder shall refer ANNEXURE- B: BILL OF QUANTITY of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.

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178	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	8	SCOPE OF WORK AND SERVICES	2.9.0	The scope of supply shall also include the following: AMC support for 400kV GIS, 400kV Transformers with NIFPS, Battery Chargers, UPS, PLCC, FOTE Panel & related system, SAS, HPCMS, Fire Protection system, EOT crane, Capacitor Bank, DG Sets (Mechanical & Electrical both).	In the AMC of 400kV GIS, 400kV Power Transformers and other equipments no any scope is provided in the tender. Kindly furnish numbers of visits are to be provided during AMC period?	Bidder shall refer Amendment
179						Does Breakdown visits need to be considered or it will be paid seperately during AMC? If breakdown visits are to be considered please specify number of breakdown visits per year. It should not be unlimited visits.	Bidder shall refer Amendment
180						We understood that Consumables required during AMC will be provided by M/s GIPCL, Please confirm	Bidder shall refer Amendment
181						We understood that no separate order will be placed for an AMC it will be a combined order with main package; Kindly confirm.	Bidder shall refer Amendment
182						During AMC phase if any major breakdown occurs (Example Trafo failure, bushings replacement, GIS major spares replacement) same will be reimbursed by M/s GIPCL We understood that the same will be extra as applicalbe at the time of fault/nature of the fault. Please clarify.	Bidder shall refer Amendment
183						We understood that Transmission line maintenance is not covered in AMC; kindly confirm.	Bidder shall refer Amendment
184						Spares: We understood that all reuquired spared which might be required during AMC phase will be provided by M/s GIPCL free of cost; Kindly confirm	Bidder shall refer Amendment
185						We understood that civil maintenance is not covered in the above AMC; kindly confirm. AMC is for given equipments only as given in the price schedule.	Bidder shall refer Amendment
186						During O&M phase if transformer oil filtration is required; same shall be done by M/s GIPCL; kindly confirm	Bidder shall refer Amendment
187						We understood that During AMC phase waste disposal will be done by M/s GIPCL; please confirm	Bidder shall refer Amendment
188						Sf6 Handling kit, Gas Analyzer or other special GIS handling tools will be provided to AMC service engineers?	Bidder shall refer Amendment
189						During AMC phase if any relays gets fail or if any card repairs are required; same shall be done by M/s GIPCL at extra; kindly confirm.	Bidder shall refer Amendment
190	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	22	Type Tests	22.1.0	Type tests including the Short Circuit Test should be conducted at CPRI / ERDA / KEEMA / PEHLA / CESI / CERDA / JSIC / Intertek (ASTA). GIS make shall be indigenous.	We would like to inform you that KERI,Korea is a reputed test lab for GIS,reports of which are accepted by POWERGRID,GETCO., all other State Electricity Boards .etc.Hence we request you to include the name of KERI,Korea in test lab list	Bidder shall refer Amendment
191	Vol I Sec 2 ITB_PSS_1 PH-1 and 2__R3	5	Technical Experience	2.2.1.1	<b>Route-1</b> The Bidder must have Designed, Manufactured, Type Tested# (As per IEC or equivalent standard), Supplied, Erected, Tested & commissioned of at least two (2) number of GIS substations having cumulatively at least 6 (Six) circuit breaker bays (*) of 400kV or above in India only. The two (2) nos. GIS substations above should have been in successfully commissioned and in operations on the date of bid submission. Further, at least one (1) number of above GIS substation must have been commissioned within last seven (7) years as on the date of bid submission.	Being OEM we have supplied and supervised the Erection ,Testing and Comissioning of 400kV and higher ratng GIS, however the erection,testing and comissioning was done by other EPC Partner  We understand that for participation with EPC company through MAF route, the experience of supply and supervision of Erection testing and comissioning of GIS for OEM shall be acceptable for meeting the QR,provided the EPC Company/lead bidder has the experience of Erection,Testing and comissioning of GIS of 400kV GIS  Please confirm if our understanding is correct	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
192	Vol I Sec 2 ITB_PSS_1 PH-1 and 2__R3	6	Technical Experience	2.2.1.3	The GIS must be offered from Indian manufacturer, who meets the requirement mentioned at 2.2.1, ROUTE-1 & ROUTE-2 above.	We understand that for participation through MAF ,GIS OEM has to meet either Route-1 or Route-2 (not both). Please confirm if our understanding is correct	Bidder shall refer Amendment
193	Vol I Sec 2 ITB_PSS_1 PH-1 and 2__R3	6	Technical Experience	2.2.1.3	<b>Route-3</b> In case, the bidder is not a GIS manufacturer, he shall also be considered provided:	We understand that a bidder who is not GIS OEM can offer MAF of any single GIS Manufacturer only.Please confirm if our undertsnding is correct	Bidder shall refer Amendment
194	Vol I Sec 2 ITB_PSS_1 PH-1 and 2__R3	5	Technical Experience	2.2.1		We understand that GIS OEM can submit MAF to multiple EPC Companies (EPC companies means,bidder who is not GIS OEM). Please confirm if our understanding is correct	Bidder shall refer Amendment

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195	Vol I Sec 2 ITB_PSS_1 PH-1 and 2__R3	6	Technical Experience	2.2.1.3 (iii)	A legally enforceable undertaking (jointly with the GIS Manufacturer) (as per enclosed format in 27(B) of Appendix-27, Section-VII, Volume-I of bidding document) to guarantee quality, timely supply, performance and warranty obligations as specified for the equipment(s) is submitted along with the bid stating that GIS Manufacturer shall furnish performance guarantee for an amount of two (2) % of the total contract price. This performance guarantee shall be in addition to the Contract Performance security to be submitted by the Bidder	Since the bidder is already submitting the Bank Guarantee,we request to remove the clause for submission of Bank Guarantee by GIS OEM	Bidder shall refer Amendment
196	Vol I Sec 2 ITB_PSS_1 PH-1 and 2__R3	6	Technical Experience	2.2.1.3 (iii)	A legally enforceable undertaking (jointly with the GIS Manufacturer) (as per enclosed format in 27(B) of Appendix-27, Section-VII, Volume-I of bidding document) to guarantee quality, timely supply, performance and warranty obligations as specified for the equipment(s) is submitted along with the bid stating that GIS Manufacturer shall furnish performance guarantee for an amount of two (2) % of the total contract price. This performance guarantee shall be in addition to the Contract Performance security to be submitted by the Bidder	We request you to Limit the value of Bank Guarantee to 2% of the GIS Price in GSEPCL PO,instead of total contract price.For any GIS OEM ,it will not be possible to take the liability of entire substation. Moreover for participation through MAF route it will be difficult for GIS OEM to submit BG for entire contract value (overall contract value being very high as compared to GIS Value)	Bidder shall refer Amendment
197			General			Please confirm if PIR is required for Line Bays. Also confirm the Line Length	400 kV Transmission Line length is approximately 11 km. PIR is Not Required. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
198			General			Please confirm if Controlled switching device is required or not	Bidder shall refer Clause No 2.2.3 and 2.2.5 of "Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
199			General			Please share the Auto cad layout of the plot	Bidder shall refer the Tender drawing no: FCE-1721125-EL-DWG-LAY-2100-015, Rev. 4. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
200			General			Please confirm if the Solar/Wind/Hybrid park are already available at site	Solar/Wind/Hybrid RE Park is owned by GIPCL. There is no existing Solar/Wind/Hybrid Power plants at the GIPCL RE Park. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
201			General			Please confirm if the Solar/Wind/Hybrid park belongs to GIPCL	Bidder shall refer Tender clause no. 1.2 of " Vol I Sec 1 NIT_PSS_1 PH-1 and 2_R3 No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
202			General			We request you to confirm if the Type of LA required is GIS or AIS	Bidder shall refer Clause No 2.2.1 (d), 2.2.3 (e) and 2.2.4 (h) of "Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3". GIS type LA (Indoor and outdoor) is also acceptable without any extra cost to the owner. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
203			General			We request your confirmation if LOI date of Pase-I and Phase-II shall be same or different	Bidder shall refer to clause no 10.0.0 of Sec-1-GTS_PSS_Rev 3_Revised. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
204			General			Please confirm the requirement of PDM,whether Online or Portable	Bidder shall refer Clause No 2.2.11 of "Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3". No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.

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205	Vol II Sec-2-1-DTS_Design Aspects_PSS_Rev 3	5	LAYOUT ASPECTS	4.2.0	In Pooling Substation-1, located in north block, outdoor 400 kV Substation is envisaged and 04 nos. 340 MVA 400/33/33kV, YN0yn0yn0 (without Tertiary) OR, YN0yn0yn0+d11 (with Tertiary) step up transformers are located in the substation.....	As per the referred clause , bidder is free to proposed power transformer with tertiary or without tertiary.Please confirm our understanding.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
206	Vol II Sec-2-1-DTS_Design Aspects_PSS_Rev 3	5	LAYOUT ASPECTS	4.1.0	33 kV Solar/Wind Switchgear, each of about 50 MW capacity is distributed in the Hybrid Park and are being provided by respective Solar/Wind Plant Developers. Power from Solar/Wind switchgear is transmitted to 33kV GIPCL Switchgears at Pooling Substation-1 by 33 kV Power Cables including termination kit by Solar/Wind Plant Developers.	As per the referred clause, we understand that 33kV power cable laying & its routing from Solar/Wind switchgear to 33kV GIPCL Switchgears at Pooling Substation-1 including termination kit is not present scope of Bidder. Only 33kV cable laying is limited to station transformer and capacitor bank.Please confirm our understanding is correct OR not .	Bidder shall refer 400 kV Substation SLD of "Vol II 400 kV and 415 V SLD Drawings" Bidder shall refer clause no. 3.0.0 of " Vol II Sec-1-GTS_PSS_Rev 3_Revised". No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
207	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	20	ANNEXURE- B: BILL OF QUANTITY	Sr. No. 31,32,33, 34,39	31) 415V Station service board (4 Bus System) 32)415V Park Infrastructure Distribution Board 33)415V Lighting distribution board34) 220V DC distribution board 39)UPS distribution board	we understand that number of feeder shall meet as per the prseent scope of work. Please confirm our understanding.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
208			General			We understand that there is no requirement of 48V DCDB. Please confirm.	Bidder shall refer to Annexure-B Bill of Quantity of Sec-1-GTS_PSS_Rev 3_Revised (1). Bidder's understanding is correct. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
209	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	20	ANNEXURE- B: BILL OF QUANTITY	Sr. No.35	35) 220V, battery complete with rack, accessories etc. (Including Discharge Resistance Bank, Battery room MCCB Panel)	we understand that the battery sizing shall be as per the present scope of work.Please confirm our understanding.	Bidder shall refer to clause no 4.0.0 and 4.1.6 of "Sec-2-16-DTS_DC System_PSS_Rev 3". No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
210	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	5	SCOPE OF WORK AND SERVICES	2.2.0	Earthing system	we understand that bidder has to lay main earthmat for switchyard area under present scope of work only . Please confirm	Bidder shall refer to clause no 2.0.0 of "Sec-2-20-Earthing_PSS_Rev 3". No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
211			General			we understand that there is single storey GIS CUM control room building. Please confirm our understanding.	Bidder shall refer clause no 19.2.0 of "Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3" and drawing no: FCE-1721125-EL-DWG-LAY-2100-015 of "Vol II PSS Layout Dawing". No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
212	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	19	ANNEXURE- B: BILL OF QUANTITY	Sr. No. 15	Spare ABT Meters (Duty Tested) for 33 kV system: 4 Nos	As per the referred clause , please claify whether spare ABT meter shall be loose type or mounted on 33kV switcgear panel.	Bidder shall refer Amendment
213	Vol II 400 kV and 415 V SLD Drawings				Single Line Diagram for 415 AC System PSS-1 Dwg. No. FCE-1721125-EL-DWG-SLD-2100-006	as per the 415V AC SLD , we understand that panel space heater of rating 100A shall be used for auxiliary and illumination purposes for each 33kV switchgear system. Plaese confirm our understanding.	Bidder shall refer Clasue No 5.8.2 of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)" and clause no 4.7.0 of "Vol II Sec-2-12-DTS_HT SWIGR_PSS_Rev 3" and clause no 2.2.0 of "Vol II Sec-2-15-DTS_LT Switchboards_PSS_Rev 3". No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
214			General			we understand that tension insulators at 400kV line side termination is not under present scope of work.	Bidder shall refer Clause No 4.0.0 of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
215			General			we understand that we have to only considered peripheral units for future 400kV bays for decentralized bus bar protection system. Please confirm our understanding.	Bidder shall refer clause No 2.5.0 of "Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3 " and clause No 4.2.4 (a), 4.2.4 (b) 19 of "Vol II Sec-2-7-DTS_Relay Panels_PSS_Rev 3" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
216			General			we understand that the Control room building plan shall be as per the CRB drawing provided by the client. Kindly confirm our undstanding.	Bidder shall refer Amendment

**Consolidated Response to Bidder's Queries**

**Referenece:**

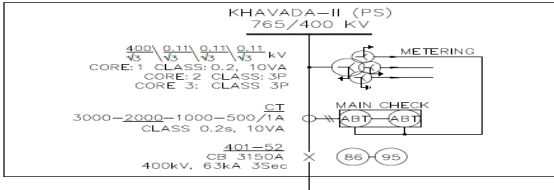
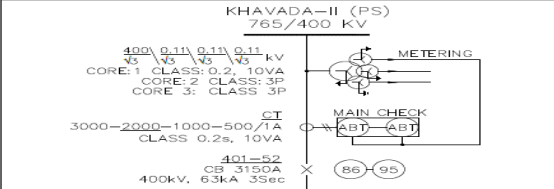
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217	Vol II 400 kV and 415 V SLD Drawings				Single Line Diagram for 415 AC System PSS-1 Dwg. No. FCE-1721125-EL-DWG-SLD-2100-006	as per the 415V AC SLD , we understand that the cable laying from park infrastructure DB to NLP-01,NLP-02,NLP-03,NLP-04,Security complex,Guest house , administrative building , canteen buildding , security complex , desalination plant ,SLP-01,SLP-02 is not under present scope of bidder. Only bidder has to consider the required feeder in the infrastructure DB as shown in 415V AC SLD.	Bidder shall refer to clause no 3.0.0 and 4.0.0 of Sec-1-GTS_PSS_Rev 3_Revised (1).  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
218			General			we undersand that 33kV power cable laying shall be for 33kV switchgear system to 33kV capacitor bank & 33kV switchgear system(L1 & I2) to station transformer 33/0.433kV only including termination kits. Please consider our understanding.	Bidder shall refer to clause no 3.0.0 and 4.0.0 of Sec-1-GTS_PSS_Rev 3_Revised (1).  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
219	Vol II Sec-2-20-Earthing_PSS_Rev 3	1	SCOPE OF WORK	2.0.0	Pooling Substation-1 Buried earth mat with mild steel rod for Pooling Substation-1, GIS Building and Substation Control building	As per the referred clause , size of mild steel rod is not mentioned in the specification. We shall considered 40mm mild steel rod for laying of main earthmat for present scope of work. Please confirm.	It shall be decided during Detailed Engineering. Bidder shall refer to clause no 3.0.0 and 3.1.51 of Sec-2-20-Earthing_PSS_Rev 3.  No change in Tender Conditions. Bidder shall comply with tender conditions.
220			General			Kindly provide the architectural drawing of 33kV switcgear prefab building .	Bidder shall refer to clause no 5.8.2 of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)" and clause no 8.3 and 14.0 of "Vol II Sec-2-26-Civil_PSS_Rev 3"  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
221			General			33kV switchgear prefab building size is shown 18 mtrs *14 mtrs. Can we size the prefab building as per the actual requirements. Please confirm.	Bidder shall refer Amendment
222	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	2	Indoor GIS System	2.2.1 (i)	End Piece (Interface) module with the test link for future extension of Bus bar module. The end piece module shall be designed in such a way so that future GIS modules may be tested without extending voltage to existing bus by removing the test link. The end piece module shall be provided on the sides wherever the future extension is envisaged.	As per the referred clause , Please let us know the extension interface module is to be provided for both end of GIS module OR at only one end side of GIS module. Please confirm .	Future Extension shall be proposed by Bidder on either side or on both side based on design optimization during detailed Engineering and accordingly End Piece (Interface) module with the test link for future extension wherever future extension bays shall be provided.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
223	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	5	SCOPE OF WORK AND SERVICES	2.2.0	Power Quality Meters (PQM) at GIPCL PSS end and CTUIL / ISTS Substation end	As per the referred clause, power quality meters(PQM) is at GIPCL PSS and CTUIL/ISTS substation end. Kindly provide the remote end details for installation of power quality meters.	Bidder shall refer Clause No 4.1.17 if "Vol II Sec-2-29-DTS_PQM_PSS_Rev 3" and 2.10.0 of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)"  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
224	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	5	SCOPE OF WORK AND SERVICES	2.2.0	PMU at GIPCL pooling substation end	As per the referred clause , can we offer PMU in line CRP panel instead of considering separate panel for PMU. Please confirm.	Bidder shall refer to clause no 2.1.0 of Sec-2-28-DTS_PMU_PSS_Rev 3.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
225	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	5	SCOPE OF WORK AND SERVICES	2.2.0	Tariff ABT Meters (SEM's)	As per the referred clause, please let us know whether any shed / room is required for ABT metering , bidder will propose small shed type ABT room arrangement. Please confirm.	Bidder shall refer clause No 4.1.3 of "Vol II Sec-2-9-DTS_Tariff Metering Panels_PSS_Rev 3"  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
226			General			We understand that the bidder has to propose retaining cum boundary wall. Please confirm.	It shall be decided during detailed engineering.  Bidder shall refer Sec-1-GTS_PSS_Rev 3 Revised.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
227	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	6	SCOPE OF WORK AND SERVICES	2.2.0 (b)	Hybrid Park Control & Monitoring System (HPCMS) including the following-  b) Hybrid Park Control and Monitoring System (HPCMS)-Main SCADA, which collects data from all the Field SCADA at the Solar Power Plants/ Wind Power Plants, Weather Monitoring stations and SAS at the Switchyard.	Since it require all integration work with field SCADA at the solar power system , weather station of SAS at the switchyard. We understand that our battery limit is only integration of Solar SCADA i.e through IEC 61850 protocol with SAS at the PSS switchyard. All the solar SCADA integration with inverter of solar/wind system at field level shall not be in our scope of supply. we will take only tapping point from solar SCADA through IEC 61850 to integrate with SAS system at PSS switchyard . Please confirm our understanding is correct OR not.	Bidder shall refer to tender "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)", "Vol II Sec-2-8-DTS_SS Automation_PSS_Rev 3", "Vol II Sec-2-27-DTS_HPCMS_PSS_Rev 3", these documents are self explanatory.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.

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228	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	5	SCOPE OF WORK AND SERVICES	2.2.0	Signal cables, Fiber optic cables and Communication cables	Signal - we have not envisaged any signal cable work for solar SCADA integration with inverters of solar/wind system. We will connect optical fiber cable from solar scada to SAS system at PSS switchyard. Kindly provide the route length and plot plan. Please confirm.	Bidder shall refer clause no. 4.0.0(1-iv) of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)" Cable route and length shall be finalized during detailed engineering. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
229	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	6	SCOPE OF WORK AND SERVICES	2.2.0 (g)	Interface with SPP/WPP's SCADA & PPC for data collection and control.	As per the referred clause , please furnish the architectural drawing/existing protocol at SPP/WPP SCADA system to integrate with SAS system at PSS switchyard.kindly provide the make and model of existing SCADA system.	As on date there is no SPP/WPP present at Khavda RE Park, it is initial stage of project development. Bidder can refer to Simplified Conceptual Communication Architecture (DWG NO FCE-171125-CI-DWG-CMS-4100-002). No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
230	Vol II 400 kV and 415 V SLD Drawings		400 kV Substation-Single Line Diagram: PSS-1		400 kV Substation Single Line Diagram PSS-1 Dwg no- FCE-1721125-EL-DWG-SLD-2100-006	Request to calrify for Bay no. 407 and 408, whether we are required to supply indoor GIB or not along with Bay equipments.	Bidder shall refer Annexure-B Phase-2 Item no 1 of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
231	Vol II 400 kV and 415 V SLD Drawings		400 kV Substation-Single Line Diagram: PSS-1		400 kV Substation Single Line Diagram PSS-1 Dwg no- FCE-1721125-EL-DWG-SLD-2100-006	Pls confirm the delivery of bay no 407 and 408.	Bidder shall refer Annexure-B Phase-I Item No 1, Item No 2 , Phase-2 Item no 1 and clause no 10.0.0 of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
232	Vol II 400 kV and 415 V SLD Drawings		400 kV Substation Single Line Diagram PSS-1			As per the tender SLD, please let us know whether ABT meter at KHAVADA-II(PS) 765/400KV Substation is under present scope of supply OR not. Please confirm . If its is under present scope of supply , kindly provide the existing layout/ location where ABT meter is to be install. Also also let us know whether Spare of ABT meter is required OR not.	Bidder shall refer clause no 4.1.2 (b) of "Vol II Sec-2-9-DTS_Tariff Metering Panels_PSS_Rev 3" , clause no 2.10.0, ANNEXURE- C Item No 15-b and 24-j of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
233	Vol II 400 kV and 415 V SLD Drawings		400 kV Substation Single Line Diagram PSS-1			As per the tender SLD, We understand that the CB(401-52) shall not be part of ABT meter at remote end. Please confirm our understanding.	It is clarify that EHV equipments at CTUIL/ Khavada PS-2 end is not in the scope of PSS-1 EPC Contractor. Bidder shall refer to Annexure - B of Sec-1-GTS_PSS_Rev 3_Revised. Bidder shall refer to clause no 2.2.0 of Sec-1-GTS_PSS_Rev 3_Revised. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
234	Vol II PSS Layout Dawing		400 kV GIS Layout PSS-1		400 kV GIS Layout PSS-1 Dwg no- FCE-1721125-EL-DWG-LAY-2100-015 400 KV GIS Building	400kV GIS building size is shown 17 mtrs *45.5 mtrs in tender layout . Can we size the 400kV GIS building as per the actual requirements. Please confirm.	Bidder shall refer Amendment
235	Vol II PSS Layout Dawing		400 kV GIS Layout PSS-1		400 kV GIS Layout PSS-1 Dwg no- FCE-1721125-EL-DWG-LAY-2100-015 Control Room Building	Control room building size is shown 17 mtrs * 41 mtrs in tender layout . Can we size the control room building as per the actual requirements. Please confirm.	Bidder shall refer Amendment
236	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	1	SCOPE OF SUPPLY & WORK	2.1.0	.....In case bus disconnector is part of busbar then intermediate compartment should be provided between every bay including bus VT to perform rectification activities keeping adjacent bays in service.	For the offered GIS, busbar and busbar disconnector are in separate gas compartments. Thus, in order to meet the required service continuity it is not necessary to have gas barriers in bubsar. We request customer to kindlt confirm the same.	As shown in "Vol II 400 kV and 415 V SLD Drawings" bus disconnectors and gas barriers are to be provided. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
237	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	2	Indoor GIS System	2.2.1 (i)	UHF sensors in GIS for PD (Partial Discharge) detection: Adequate number of UHF sensors shall be provided in the offered GIS (of 5 pC and above as per IEC 60270). The number and location of these sensors shall be based on laboratory test on typical design of GIS as per recommendations of CIGRE Document No. 654 (Application Guide for sensitivity verification for UHF Partial discharge detection system for GIS).	The number of UHF sensors shall be as per OEM standard design catering to PD requirement. We request customer to kindly accept the same.	Bidder shall refer Amendment



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238	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	9	Indoor GIS System	2.2.14	Continuous on-line monitoring and diagnostics systems to monitor gas density, gas pressure, leakage, moisture, etc., operating parameters such as current, voltage, temperature, etc. complete with sensors and integration of the systems with plant SAS & HPCMS system. Hybrid density monitor shall be provided.	Please confirm if online gas monitoring is required. Operating parameters such as current, voltage, can be measured in CRP. We do not envisage temperature monitoring as the temeperature limit for GIS is within IEC limits. Moisture can be measure using SF6 gas analyzer, offline. Request customer to kindly confirm the same.	Bidder shall refer Amendment
239	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	14	DESIGN & CONSTRUCTION REQUIREMENTS FOR 400 kV GIS SYSTEM	7.10.0	.....The wall thickness of the enclosure shall be based on the design pressure as well as considering a burn through duration of 0.1 sec.	The wall thickness of the enclosure shall be as per OEMs standard type tested design. The burn through time for the enclosures shall be as per IEC standards. Please confirm	Bidder shall refer Amendment
240	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	15	DESIGN & CONSTRUCTION REQUIREMENTS FOR 400 kV GIS SYSTEM	7.18.0	The thermal rating of all current carrying parts shall be minimum one second for the rated symmetrical short circuit current.	We understand that the Short circuit rating is 63 kA for 1 sec for GIS bays under dicussion.Please confirm.	Bidder shall refer Amendment
241	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	16	LOCAL CONTROL CUBICLE / PANEL	8.3.0	.....The width of mimic strip shall not be less than 5 mm.....	The same shall be as per OEM standards. Request customer to kindly accept the same. Please confirm.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
242	Vol II Sec-2-4-DTS_400 kV GIS Equipment_PSS_Rev 3	1	400 kV Circuit Breaker	3.1.0 (h)	h) Rated Closing Time : Not more than 45 ms	For the offered GIS, the closing time shall be 68 ± 7 ms. This is as per OEMs standard type tested design. Request customer to kindly accept the same. Please confirm.	Bidder shall refer Amendment
243	Vol II Sec-2-4-DTS_400 kV GIS Equipment_PSS_Rev 3	2	OPERATIONAL REQUIREMENTS	4.8.0	Trip Circuits: Two independent tripping circuits, valves, pressure switches and coils to be provided for connection to different set of relay. The circuits shall operate correctly under all operating conditions upto rated breaking capacity and at all values of supply voltage between 70% to 100% of rated supply voltage. However even at 50% of rated supply voltage the breaker shall be able to operate. Trip coil supervision to be provided in both open and close position.	For the offered GIS, the operating can be performed when the volatge variation for trip coil is 70% to 110% and for close coil it is 85% to 110%. This is in line with IEC standard. Request customer to kindly accept the same.please confirm	Bidder shall refer Amendment
244	Vol II Sec-2-4-DTS_400 kV GIS Equipment_PSS_Rev 3	6	Disconnecting Switches (DS)	3.1.0 (vii)	Rated capacitive current make and break capacity : 0.50A	The same shall be as per IEC standards. Please confirm.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
245	Vol II Sec-2-4-DTS_400 kV GIS Equipment_PSS_Rev 3	7	Earth Switch (ES)	3.2.0 (iv)	(iv) Class: M2-E1	For safety earthing switches, the eletrical making capacity is class E0. For high speed earthing switches, the same shall be class E1. Request customer to kindly accept the same. Please confirm.	Bidder shall refer Amendment
246	Vol II Sec-2-4-DTS_400 kV GIS Equipment_PSS_Rev 3	8	DESIGN AND CONSTRUCTIONAL FEATURES – DISCONNECTING SWITCHES	4.19.0	The disconnecting switches shall be provided with rating plates and shall be accessible for inspection.	For disconnecter switches it is not envisaged to have separate nameplates. Name plates shall be provided for Bay, CT, VT as per IEC standards. Request customer to kindl accept the same.please confirm.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
247	Vol II Sec-2-4-DTS_400 kV GIS Equipment_PSS_Rev 3	14	Voltage transformers	3.3.0 (ix)	Rated thermal burden: 1500 VA	The same shall be 200 VA. Request customer to kindly accept the same.	Bidder is requested to refer Note 18 and 19 of 400 kV substation SLD of "Vol II 400 kV and 415 V SLD Drawings" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
248	Vol II Sec-2-4-DTS_400 kV GIS Equipment_PSS_Rev 3	14	Current Transformers	4.1.2	The current transformers shall have class B type insulation and shall be suitable for high speed auto reclosure.	For the offered GIS CTs, the insulation class is class E. This design is sucessfully type tested and globally offered, and is in haste free operation. Request customer to kindly accept the same. Please confirm.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
249	Vol II Sec-2-4-DTS_400 kV GIS Equipment_PSS_Rev 3	15	Current Transformers	4.1.17	Tariff metering CT of GIS is specified and preferred due to inherent technical advantages, however, if GIS CT is not acceptable by competent authorities than EPC contactor shall provide AIS CT in place of tariff metering core of GIS CT. EPC contactor shall finalized this in advance with valid justification.	As per SLD, we infer that the Tariff metering is outdoor AIS type. Kindly confirm the same.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
250	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	2	DESIGN CRITERIA	4.5.0	The transformer shall be capable of operating at rated output at any tap position, provided the voltage corresponding to that tap does not vary by more than ±10% of rated voltage. The winding including the tapping arrangement shall be designed such that the electromagnetic balance is maintained between HV and LV1 & LV2 windings at all voltage ratios.	Voltage variation shall be ±10% with respect to normal voltage tap only i.e. at 400 kV and not for all taps. Rated MVA at minimum tap position with further -10% voltage i.e. transformer operating at 340 MVA @ 324 kV voltage is an overloading condition and any loading beyond name plate rating shall be considered as per IS:6600/ IEC 60076-7. Kindly Confirm our understanding is correct.	Bidder shall refer clause no 3.0.0 of "Sec-2-2-DTS_Stepup PT_PSS_Rev 3_Revised." No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
251	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	2	DESIGN CRITERIA	4.11.0	.....The transformer shall be capable of operating continuously under natural cooled condition up to the 80% of its maximum rating.....	Please confirm the ONAN rating, weather it is 80% of 340 MVA i.e. 272 MVA or 204 MVA.	Bidder shall refer Amendment

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252	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	9	CONSTRUCTIONAL FEATURES	5.2.0 (a)	The core shall be constructed from high permeability grade, non-ageing, cold rolled, super grain oriented, silicon steel laminations. CRGO Silicon steel shall be HI-B grade or equivalent.	Super grain oriented term is not clear, we will provide HI-B or batter grade of CRGO.Please confirm.	Super Grain material is commercially called as HI-B grade also. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
253	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	9	CONSTRUCTIONAL FEATURES	5.2.0 (e)	In order to ensure prevention of multiple core earthing, core isolation test at 10 kV for 1 minute shall be done during pre-commissioning stage. To facilitate above, the core & core earthing has to be done outside the tank with suitable bushing.	This test shall be perform in oil filled conditions.please confirm	Bidder shall refer Clause No 3.0.0 of "Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
254	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	12	Oil Preservation System	5.6.0 (i)	To minimise the ingress of moisture, two dehydrating breathers in series of identical size shall be connected to OLTC Conservator.	Please confirm that dehydrating breathers for OLTC is conventional type or maintenance free type.	Bidder shall refer Amendment
255	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	15	Winding Temperature Indicator (WTI)	5.10.0 (f)	Optical Temperature Sensor: Multichannel Fiber optic temperature monitoring system shall optimize the hot spot measurements for Power Transformer.....	Please specify the no. of probes and no. of channel for the fiber optic sensor. And probes will be provided in LV 1 coil only. (Considered top coil). However FO reading shall be consider as reference only , winding rise to be calculated as per IS 2026 / IEC 60076 during heat run test and same will be consider final value .	It shall be decided during detailed engineering as per clause no 2.0.0 of Sec-1-GTS_PSS_Rev 3_Revised. FOTM system is for reference only. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
256	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	17	Bushings and Current Transformers	5.12.0 (c)	.....The CTs shall be cast resin type with class E or better insulation.....	These CT's are turret mounted and placed inside the transformer tank, hence paper insulated and Class A insulation is adequate. Please accept.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
257	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	18	Bus Duct Termination	5.14.0 (b)	The Bidder shall furnish all necessary details required for co-ordination with isolated phase bus duct / segregated phase bus duct and shall guarantee matching dimensions within close tolerance	Please provide the busduct temperature for the selection of the bushing rating.	It shall be decided during detailed engineering as per clause no 2.0.0 of Sec-1-GTS_PSS_Rev 3_Revised. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
258	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	36	Special Tests	6.3.0	Dynamic Short circuit tests certificates for test conducted earlier on transformers of similar type and rating shall be furnished for the Owner's review. If Dynamic Short Circuit Test certificate is not available then the ability to withstand dynamic effects of short circuit shall be demonstrated by method (b) calculation and design and manufacture considerations (Section 4.2 of IS: 2026, Part-5). The same shall be further in line with Annexure-A of IS: 2026, Part-5.	We agree to demonstrate the short circuit withstand capability by method (b) calculation and design and manufacturer considerations (Section 4.2 of IS: 2026, Part-5) and in line with Annexure A of IS:2026, Part-5. However as per Annexure A of IS:2026, Part-5, the force and stress values should either be compared with the corresponding ones relating to a reference transformer successfully short circuit tested, on condition that the transformer under consideration is similar or be checked against the manufacturer's design rules for short circuit strength. We shall compare the force and stress values against the manufacturer's design rules for short circuit strength and not with respect to any reference transformer. Please confirm.	Bidder shall refer and comply clausue no A-3.3 of IS: 2026, Part-5. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
259	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	49	TECHNICAL PARAMETERS	10.0.0 Sr. No. 26	Percentage impedance of nominal tap at 75°C at 170 MVA Base HV-LV1 & HV-LV2: %: 15 (min. on principal tap) LV1-LV2: % :27 (approx. maximum)	Please confirm weather it is approximate value or maximum value.	Bidder shall refer Amendment
260	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	50	TECHNICAL PARAMETERS	10.0.0 Sr. No. 31	HV bushing CTs CT ratio:Amps:1000/1/1A Accuracy class :5P20/PS class VA Burden:VA:15 VA	Please provide the complete details of CT parameters viz. I mag, Rct, knee point voltage etc.	Bidder is requested to refer Note 18 of 400 kV substation SLD of "Vol II 400 kV and 415 V SLD Drawings" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
261	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	4	INTENT OF SPECIFICATION	1.16.0	Presently, the local content requirement to categorize a supplier as 'Class-I local supplier' is minimum 60%.	Kindly clarify how local content is defined. Whether only the sub-vendors of transformer manufacturer should be considered for evaluating the local content or we need to considere even the vendors of the sub-vendors of transformers. For eg. if a transformer OEM is purchasing CRGO from an indian sub-vendor, will it be considered as 100% local or since the CRGO supplier is importing the mother coil from their vendor outside India, it will be considered as partly local?	Bidder shall refer the Government orders mentioned in Clause No. 1.16.0 of Sec-1-GTS_PSS_Rev 3_Revised & shall comply with APPENDIX-31: of Vol I Sec 7 List of Appendices_PSS-1_R3. No change in Tender Conditions. Bidder shall comply with tender conditions.
262	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	1	SCOPE OF SUPPLY & WORK	2.1.0	.....In case bus disconnector is part of busbar then intermediate compartment should be provided between every bay including bus VT to perform rectification activities keeping adjacent bays in service.	Understand this clause is not applicable as per SLD shared by GIPCL with the tender and the disconnector should nto be a part of Busbar. Pls confirm our understanding.	As shown in "Vol II 400 kV and 415 V SLD Drawings" and Amendment bus disconnectors and gas barriers are to be provided. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.

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263	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	2	Indoor GIS System	2.2.1 d)	d) Surge arrestors at GIS bus bars if deemed necessary based on power system studies during detail engineering.	Understand present offering should be without Surge arrestors on busbar. In case required during detailed engineering, same shall be against price compensation. Pls confirm our understanding.	Bidder shall refer following Clauses of Tender A. Clause no 2.4.0 and 2.5.0 of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)" B. Clause no 2.2.1 d) of "Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3"  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
264	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	2	Indoor GIS System	2.2.1 i)	i).End Piece (Interface) module with the test link for future extension of Bus bar module. The end piece module shall be designed in such a way so that future GIS modules may be tested without extending voltage to existing bus by removing the test link. The end piece module shall be provided on the sides wherever the future extension is envisaged.	Understand that future extension is to be considered on one side of busbar only. Pls confirm.	Future Extension shall be proposed by Bidder on either side or on both side based on design optimization during detailed Engineering and accordingly End Piece (Interface) module with the test link for future extension wherever future extension bays shall be provided.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
265	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	13	DEGREE OF PROTECTION	6.0.0	Degree of protection for various enclosures as per IS: 13947 shall be considered.	The degree of protection of enclosures shall be as per IEC standards. Hope the same is acceptable.	Bidder shall refer Amendment
266	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	14	DESIGN & CONSTRUCTION REQUIREMENTS FOR 400 kV GIS SYSTEM	7.3.0	Gas enclosures shall be designed to withstand high vacuum by provision of suitable reinforcement(s) at all the required locations. The gas filled enclosures shall conform to relevant pressure vessel code of ANSI/IEC	We would like to inform that, Enclosures are in line to CENLEC standards. Hope the same shall be acceptable.	Bidder shall refer Amendment
267	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	14	DESIGN & CONSTRUCTION REQUIREMENTS FOR 400 kV GIS SYSTEM	7.8.0	The bus bars shall be rated for the duty specified and current rating shall be derived considering maximum possibilities.	The busbars shall be rated at 3150A as per SLD. Pls confirm our understanding.	Bidder shall refer clause no 2.4.0 and 2.5.0 of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)".  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
268	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	14	DESIGN & CONSTRUCTION REQUIREMENTS FOR 400 kV GIS SYSTEM	7.9.0	.....The Painting shall be done considering saline atmosphere C5-M zone as per "ISO-12944" for very high saline zone.	We understand that as per general practice in India for Indoor GIS, paint shade for C4 zone is sufficient. Request to accept the same.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
269	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	14	DESIGN & CONSTRUCTION REQUIREMENTS FOR 400 kV GIS SYSTEM	7.10.0	....The enclosures shall meet the pressure vessel requirement as per ASME or equivalent.....	We would like to inform that, Enclosures are in line to CENLEC standards. Hope the same shall be acceptable.	Bidder shall refer Amendment
270	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	17	CONTROL & AUXILIARY POWER SUPPLY	11.3.0	Separate circuits with switches, fuses, etc. of adequate rating shall be provided for control of space heater, lighting and power receptacle. These shall be on 240 V, ph AC supply, unless specified otherwise.	Our GIS is suitable to operate on control voltages of 220 V DC only. Hope the same is acceptable.	Bidder shall refer Amendment
271	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	18	LOCAL ALARM/ANNUNCIATION	16.1.0	Window type alarm annunciation shall be provided on local control panels of each bay for the specified abnormal conditions.....	The alarm annunciation shall be LED type as per our type tested design. Hope the same is acceptable.	Bidder shall refer Amendment
272	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	21	LIST OF TESTS TO BE CONDUCTED FOR 400 KV GIS PACKAGE	22.0.0	LIST OF TESTS TO BE CONDUCTED FOR 400 KV GIS PACKAGE	In line with the CEA guideline, we shall be submitting the type test reports of our parent / collaborator company of tests conducted as per IEC and hence repetition of type test is not envisaged. Hope the same is acceptable.	Bidder shall refer Clause No 2.2.1.2 (ii) (2) of "Vol I Sec 2 ITB_PSS_1 PH-1 and 2_R3"  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
273	Vol II Sec-2-4-DTS_400 kV GIS Equipment_PSS_Rev 3	4	Hydro-spring Drive mechanism	5.5.6 (ii)	(ii) The mechanism shall be housed in a dust proof cabinet and shall have IP: 41 degree of protection.	The mechanism shall be housed in a dust proof cabinet and shall have IP: 54 degree of protection.	Better specifications are acceptable.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
274	Vol II Sec-2-4-DTS_400 kV GIS Equipment_PSS_Rev 3	4	Hydro-spring Drive mechanism	5.6.0	Multi-break interrupters shall have uniform voltage distribution across them.	Understand this is not applicable as multi-interrupter breakers are not envisaged.	In case bidders propose Multi-break interrupters based on system requirement during detailed engineering than Multi-break interrupters shall have uniform voltage distribution.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
275	Vol II Sec-2-4-DTS_400 kV GIS Equipment_PSS_Rev 3	13	Current Transformers	3.2.0	(i) Rated primary current: As required. For Line CT, PS Class core and tariff metering core, Secondary Amp (1A or 5A), ratio, knee point voltage, VA Burden, ISF, ALF etc. shall be same as Khavada-II, PS	Request to share the parameters of Current transformer to be considered	Bidder is requested to refer Note 18 and 19 of 400 kV substation SLD of "Vol II 400 kV and 415 V SLD Drawings"  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.

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276	Vol II Sec-2-4-DTS_400 kV GIS Equipment_PSS_Rev 3	15	Voltage Transformers	4.2.0	Voltage Transformers	Request to share the parameters of Voltage transformer to be considered	Bidder is requested to refer Note 18 and 19 of 400 kV substation SLD of "Vol II 400 kV and 415 V SLD Drawings"  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
277	Vol II Sec-2-4-DTS_400 kV GIS Equipment_PSS_Rev 3	16	Voltage Transformers	4.2.6	.....The 0.2 class VT shall be tested from NABL accredited lab.	We shall conduct the testing in sub vendor testing laboratory. We can co-ordinate the witness of this tests by inspecting engineers if required. Request to accept.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
278	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	5	SCOPE OF WORK AND SERVICES	2.2.0	EOT Crane with RF remote control of adequate capacity.	We understand that EOT Crane in 400KV GIS Hall shall be Single Girder Type. Please confirm.	Bidder shall refer Amendment
279	Vol II Sec-2-24-AC and Vent_PSS_Rev 3	5	TECHNICAL REQUIREMENTS OF VENTILATION SYSTEM	5.5.0	AHU system shall be provided to handle, regulate, circulate and conditioning of Air of HVAC system. An AHU room adjacent to GIS hall / building is to be constructed to place the AHU system. AHU shall be with required number of components for GIS Building / Hall including but not limited to Fresh Air Duct, Damper, mixing section, panel filter, bag filter, preheating coil, cooling coil, reheating coil, Air circulating Fan, Supply air duct for air supply to room with damper arrangement, duct arrangement with outlets and finally returned air outlet with adequate damper arrangement.	We understand that Positive Pressure AHU Type ventilation shall be provide for 400KV GIS Hall. Any Air conditioning like Heating & Cooling is not required for GIS Hall Ventilation System. Please confirm.	Bidder shall refer clause no 5.5.0 of Sec-2-24-AC&Vent_PSS_Rev 3_Revised and clause no 4.4.0 of Sec-2-1-DTS_Design Aspects_PSS_Rev 3_Revised.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
280	Vol II Sec-2-24-AC and Vent_PSS_Rev 3		General			We understand that, Heating system is not envisaged for this tender, considering the Project Meteorological data. Please confirm.	Bidder shall refer to Sec-2-24-AC&Vent_PSS_Rev 3_Revised. No change in tender conditions.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
281	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	23	ANNEXURE- B: BILL OF QUANTITY	Sr. No. 87	87)Air conditioning for Substation Control building (Including but not limited to C&R Panel & SAS Room, Control Room, Server room, conference room, shift in charge room , O&M room etc.) with required "AC Scheduler / AC control System) : Lot 1	AC Scheduler / AC control System shall be provided in C&R Panel & SAS Room, Control Room, Server room only. The same shall not be provided for other rooms like conference room, office room etc.. Please confirm	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
282	Vol II Sec-2-24-AC and Vent_PSS_Rev 3	4	TECHNICAL REQUIREMENTS OF AIR CONDITIONING SYSTEM	4.4.0 (a)	AC Scheduler / AC Controllers shall be provided, one controller for each room where air conditioning system is provided, to control and monitoring of AC units and shall have the following facilities: a) Standby units shall come in to operation automatically when the running main unit fails	Please inform, how much standby unit needs to be considered. The same is not clearly mentioned in Tender document. In the absence of the same, we will consider 20% Standby unit for C&R Panel & SAS Room, Control Room, Server room only. The same shall not be provided for other rooms like conference room, office room, computer Room etc.. Please confirm	Bidder shall refer Amendment
283	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	23	ANNEXURE- B: BILL OF QUANTITY	Sr. No. 88 Sr. No 89	Ventilation for Substation Control building Ventilation system for 33 kV PEB's	We understand that, Axial Flow Fan shall be considered for 33KV PEB rooms, Battery Rooms & ACDB/DCDB/LT Board Room only. For other Rooms, Propeller type fan shall be considered. Please confirm.	It shall be decided during detailed Engineering.  No change in tender conditions. Bidder shall comply with tender conditions.
284	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	11	TERMINAL POINTS	Sr. No.5	Terminal points for HPCMS shall be as below table:  5) PLC of Desalination plant and Water distribution management system: Not in scope of PSS bidder. However, required hardware for monitoring of Desalination plant from HPCMS (PSS-1) shall be provided by bidder as mentioned in Annexure-B of this document.	We will only consider Data connectivity provisions in SCADA for Interfacing of Desalination & Water Distribution System. Necessary Interface & required hardware shall be in scope of Desalination & Water Distribution vendor scope. Also please provide the details of Signal to be considered in SCADA.	The Tender clause is self explanatory.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
285	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)					As per Tender document & Technical Specification requirement we understand that following Fire Protection System has been considered for PSS. 1.NIFPS System for 4 nos. Power Transformers 2. Addressable Type Fire Detection System for GIS Buildings & Control Room Building & 33KV PEB 3. Portable & Wheel/Trolley Mounted fire Extinguishers as per Annexure-B- Bill of Quantity 4. Fire Bucket  No water based or any other type of fire protection system shall be considered for any outdoor area/facilities inside Substation boundary. Please confirm	Bidder shall refer clause no 5.25.0 of "Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3" and 2.2.0 of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)"  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
286	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)					We have considered Fire Detection & Alarm System of PSS as Standalone. No interface/interconnection has been considered of Fire Detection & Alarm System of Substation buildings with Solar Plant Control Room/Fire Station which is outside battery limit.	Bidder shall refer clause no 4.10 (h) of "Vol II Sec-2-25-FPS_PSS_Rev 3".  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.

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287	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)					We understand that, there is no scope of Fire Fighting System, Air conditioning System at Remote Substation at Khavda End. Please confirm.	This query not related to this tender documents.
288	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	8	SCOPE OF WORK AND SERVICES	2.9.0	The scope of supply shall also include the following: AMC support for 400kV GIS, 400kV Transformers with NIFPS, Battery Chargers, UPS, PLCC, FOTE Panel & related system, SAS, HPCMS, Fire Protection system, EOT crane, Capacitor Bank, DG Sets (Mechanical & Electrical both).	Please clarify the AMC shall be comprehensive or Non Comprehensive type.	Bidder shall refer Amendment
289	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	7	SCOPE OF WORK AND SERVICES	2.3.0	1. Site related investigations: a. Topographic survey. b. Geotechnical investigation. 2. Site Development works: a. Site Grading including Soil stabilization and slope protection. r. Septic tanks and soak pits.	These items are not mentioned in the Price schedule. If in scope may add them in the schedule.	In price schedules 7A and 7B; all items not mentioned shall be covered under the last item "Any other items required to complete". No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
290	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1) Vol II Sec-2-26-Civil_PSS_Rev 3	18 7	ANNEXURE-A: PROJECT INFORMATION Wind Loads	2.4.0 7.6	2.4.0 Basic wind speed and wind pressure : 47 m/s Basic Wind Speed = 55 m / s	Please confirm the basic wind speed to be considered as different basic wind speeds are mentioned in the referred clauses.	Bidder shall refer Amendment
291	Vol II Sec-2-26-Civil_PSS_Rev 3	14	Transformer Yard Foundations	8.7	Transformers shall be founded on RCC foundations with rails on the top and oil soak pits filled with 40mm hard stone aggregate. Jacking pads shall be provided. Size of the soak pit shall be decided based on the transformer details and oil volume.	We propose the type of Transformer foundation to be wall type. Please confirm.	It shall be decided during detailed engineering. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
292	Vol II Sec-2-26-Civil_PSS_Rev 3	15	Diesel Storage Shed Transformer Oil Storage Shed	8.11 8.12	8.11 Diesel Storage Shed Diesel storage shed shall be steel structure with single sheet roof and side cladding. Other details shall be as per system requirements and applicable standards and regulations. 8.12 Transformer Oil Storage Shed Transformer oil storage shed shall be steel structure with single sheet roof and side cladding. Other details shall be as per system requirements and applicable standards and regulations.	Please confirm the size of Diesel storage shed and Transformer oil storage shed.	It shall be decided during detailed engineering. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
293	Vol II Sec-2-26-Civil_PSS_Rev 3	5	Roads	6.7	Road network consisting of two approach roads from the solar park main road, internal peripheral road and access roads to all facilities as per approved plot plan shall be provided.....	Please confirm if two approach roads also have to be considered in our scope.	Bidder shall refer Amendment
294	Vol I Sec 8 Price Schedule PSS_1 PH-1 and 2_R3 Vol II PSS Layout Dawing	13,14,15	Price Schedules (7A,7B & 7C) Vol II PSS Layout Dawing		Price Schedules (7A,7B & 7C) Vol II PSS Layout Dawing	Please confirm the requirement of fire wall as the same has not been mentioned in the schedule and not shown in the PSS layout.	The Tender is on EPC bases and all the balance of Items shall be quoted in the Schedule of Pirce. Bidder shall refer to tender drawing no: FCE-1721125-EL-DWG-LAY-2100-015. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
295	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	24	ANNEXURE- B: BILL OF QUANTITY	Sr. No. 111	Outdoor storage yard (Not less than 20Mx40M)	Please provide the specification for outdoor storage yard	Bidder shall refer Amendment
296	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	24	ANNEXURE- B: BILL OF QUANTITY	Sr. No. 109,110,113,114	109)Prefab GIS Hall with EOT Crane, Cable Trench etc. 110)Prefab Substation control building 113)Construction of Diesel Storage Yard with Shed 114)Construction of Transformer Oil Storage Yard with Shed	Please provide the design specification for PEB GIS Hall, Prefab Control Building, Diesel storage yard and Oil storage yard with sheds.	Bidder shall refer "Vol II Sec-2-26-Civil_PSS_Rev 3" and other relevent tender clauses. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
297	Vol II Sec-2-26-Civil_PSS_Rev 3	5	Roads	6.7	Roads Road network consisting of two approach roads from the solar park main road, internal peripheral road and access roads to all facilities as per approved plot plan shall be provided. Width of main roads in the substation shall be 4.0 m with 1.0 m wide shoulders on both sides. All roads shall be of RCC construction.	As per the referred clause all the roads are mentioned as RCC Roads. Accordingly please confirm the thickness of different layers of RCC road.	Thickness of different layers of road shall be based on design as per applicable IRC standards and shall be decided during detailed Engineering. No change in tender conditions. Bidder shall comply with tender conditions.
298	Vol II Sec-2-26-Civil_PSS_Rev 3	1	SCOPE OF WORK AND SERVICES	2.0 (2)	2. Site Development works a. Site Grading including Soil stabilization and slope protection. b. Green Belt, Landscape development and horticulture including associated water supply system. c. Compound wall with gates. d. Internal roads and Box Culverts. e. Storm water drains and interconnection to outside main drains.	As per the referred clause if site development works are in scope, please confirm the following 1) Can FGL be proposed in multii levels. 2) How the site development works are measured and paid.	1. FGL shall be uniform for the full substation area. 2. This is an EPC contract and payment shall be made as per terms of payment. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.

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299	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	18	ANNEXURE-A: PROJECT INFORMATION			Please furnish the coordinates of the corner points of proposed substation or Provide the contour layout superimposing the substation layout on it.	Bidder shall refer Amendment
300	Vol I Sec 5 SCC_PSS_1 PH-1 and 2_R3	4	INTENT OF CONTRACT	1.0	..Bidder shall guarantee 98% availability of the pooling substation for one (1) year from the date of trial operation. In case this is not achieved this period shall be further extended to one year from the date of repair of the equipment, until such availability is achieved...	Please provide plant availaibity formula for claculation of 98%	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
301	Vol I Sec 5 SCC_PSS_1 PH-1 and 2_R3	4	INTENT OF CONTRACT	1.0	...Bidder shall guarantee 98% availability of the pooling substation for one (1) year from the date of trial operation. In case this is not achieved this period shall be further extended to one year from the date of repair of the equipment, until such availability is achieved...	Kindly confirm 98% availability of Polling substation is for Power flow or for Equipment default.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
302	Vol I Sec 8 Price Schedule_PSS_1 PH-1 and 2_R3	3	SCHEDULE-1 PRICE SCHEDULE	Note: Sr. no. 4	We confirm that the price quoted for bought out item is inclusive of all taxes and duties. Liability on account of variation of taxes and duties for these items fully rest with us.	Please confirm that the Statutory Variation in Taxes and Duties on account of direct transaction (including the bought out items) between Owner and Contractor shall be in Owner's Scope.	Bidder is requested to refer clause No. 83.0 of " Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3 " No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
303	Vol I Sec 8 Price Schedule_PSS_1 PH-1 and 2_R3	5	SCHEDULE - 3 SUMMARY OF PRICE BREAK-UP	Note.1	The taxes and duties, for the bought out items shall be included in the quoted price. The variation in taxes and duties due to the statutory variation in taxes and duties by the Government shall be regulated or applicable only on the value indicated in Schedule -11A & 11B.	Please confirm that the Statutory Variation in Taxes and Duties on account of direct transaction (including the bought out items) between Owner and Contractor shall be in Owner's Scope.	Bidder is requested to refer clause No. 83.0 of " Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3 " No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
304	Vol I Sec 7 List of Appendices_PSS-1_R3	24	APPENDIX-14: FORMAT OF FINANCIAL PROPOSAL	Sr. No. ii	ii. Rates quoted in this Bid is for destination prices inclusive of all taxes, levies, duties, packing, forwarding, freight, insurance, loading, unloading, supply, installation, commissioning, and any/all charges for successful Engineering, Supply & Installation, Construction, Comprehensive Operation and Maintenance of "Project" at the Site. The break-up of taxes considered are also furnished in price bid.	Please confirm that the Statutory Variation in Taxes and Duties on account of direct transaction (including the bought out items) between Owner and Contractor shall be in Owner's Scope.	Bidder is requested to refer clause No. 83.0 of " Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3 " No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
305	Vol I Sec 7 List of Appendices_PSS-1_R3	25	APPENDIX-15: LIST OF BANKS (FOR BANK GUARANTEE)		The Bank Guarantee submitted should have the clear one time validity in all respect and up to the completion period. If by any reason the Contract Period is extended, the Bidder shall undertake to renew the Bank Guarantee at least one month before the expiry of the validity failing which GIPCL will be at liberty to encash the same.	Please confirm that the referred clause is applicable only in case the delay is due to the reasons solely attributable to the Contractor, else the cost of such BG extension shall be borne by Owner.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
306	Vol I Sec 7 List of Appendices_PSS-1_R3		APPENDIX-26: QUALIFYING REQUIREMENT DATA	2.4	OTHER CRITERIA FOR QUALIFICATION • Labour Engagement The successful Bidder shall obtain license under Contract Labour (Regulation & Abolition) Act 1970, read with rules framed there under and furnish the same to the Company within One (1) month of the issue of Detailed order of Contract failing which the detailed order of contract shall be cancelled/terminated without any further notice and its EMD and/ or performance guarantee shall be forfeited	The referred requirement is very stringent and also dependent on external factors like Liasioning with Authorities, including the timely availability of various documents from Owner. Accordingly the required clause may please be deleted.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
307	Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3	5	REGULATION OF LOCAL AUTHORITIES AND STATUTES	3.2	All registration and statutory inspection fees, electrical inspectorate fees, local body planning permission fee, pollution control board fee, PWD /Highways clearance fees, Railway clearance fees etc. in respect of his work pursuant to this Contract shall be to the account of the Contractor. Any registration, statutory inspection fees lawfully payable under the provisions of the Indian Regulations and any other statutory laws in respect of the plant equipment shall be to the account of the Contractor. Should any such inspection or registration need to be rearranged due to the fault of the Contractor or his Sub-Contractor, the additional fees for such inspection and/ or registration shall be borne by the Contractor. It is the responsibility of the contractor to obtain the license/clearances from the above statutory bodies on behalf of the owner. Original fee receipts paid by the Contractor shall be handed over to Purchaser for record purposes.	We request you to kindly consider the cost of procuring the permits, licences, registrations, statutory permits and approvals etc. in Owner's scope at all times. The Contractor shall support Owner for necessary documentations as may be required.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
308	Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3	5	REGULATION OF LOCAL AUTHORITIES AND STATUTES	3.3	The successful Bidder shall obtain license under Contract Labour (Regulation & Abolition) Act 1970, read with rules framed there under and furnish the same to the Company within One (1) month of the issue of Detailed order of Contract failing which the detailed order of contract shall be cancelled/terminated without any further notice and its EMD and/ or performance guarantee shall be forfeited.	The referred requirement is very stringent and also dependent on external factors like Liasioning with Authorities, including the timely availability of various documents from Owner. Accordingly the required clause may please be deleted.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.

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309	Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3	5	ACCESS TO SITE AND WORKS ON SITE	4.1	Necessary access to the site shall be made by the contractor after handing over of the site to the contractor by the owner within one week from the date of receipt of LOI. Access to the site location is from (SH-45), on as is where condition. It is responsibility of contractor to investigate his requirements in view of EPC package at no cost to GIPCL. Any improvement, modification required is in scope of contractor.	We understand that hindrance free and encumbrance free site will be handed over to the Contractor with unrestricted access. Please confirm the same.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
310	Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3	5	ACCESS TO SITE AND WORKS ON SITE	4.2	The works so far as it is carried out on the Owner's premises, shall be carried out at such time as the Owner may approve.	Due to delay in approval from Owner, or due to reasons not attributable to the Contractor, there might be some delays which shall be adjusted in the Time schedule, without any liability to the Contractor. The additional cost incurred by Contractor on account for the same shall be suitably compensated by Owner. Please confirm.	Bidder shall refer Tender clause No. 8.0 of " Vol I Sec 5 SCC_PSS_1 PH-1 and 2_R3 " along with other clauses of the Tender documents. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
311	Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3	5	ACCESS TO SITE AND WORKS ON SITE	4.4.1	The site is located in defense sensitive area near international border and subject to monitoring and adherence to security protocol and working during the construction and operation period.	Due to dependency on such approvals, in case of delays, the time extension shall be provided to the Contractor. The additional cost incurred by Contractor on account for the same shall be suitably compensated by Owner. Please confirm.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
312	Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3	5	ACCESS TO SITE AND WORKS ON SITE	4.4.2	Though OWNER has been granted permission to establish park as a whole, the Contractor will be responsible for day to day clearance, permits, material and labour movement or any other compliance requirement of ARMY/BSF/Police while executing the work in the area	Due to dependency on such approvals, in case of delays, the time extension shall be provided to the Contractor. The additional cost incurred by Contractor on account for the same shall be suitably compensated by Owner. Please confirm.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
313	Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3	5	ACCESS TO SITE AND WORKS ON SITE	4.4.4	Bidder will be responsible to carry out all administrative liaison and permission work with Army/BSF/Police during the execution of work.	Due to dependency on such approvals, in case of delays, the time extension shall be provided to the Contractor. The additional cost incurred by Contractor on account for the same shall be suitably compensated by Owner. Please confirm.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
314	Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3	6	COOPERATION WITH OTHER CONTRACTORS	6.1	The Contractor shall co-operate with all other Contractors or tradesmen and staff of the Owner/Purchaser, who may be performing other services on behalf of the Owner/Purchaser and the workmen who may be employed by the Owner/Purchaser and doing work in the vicinity of the works under the contract. The Contractor shall also so arrange to perform his work as to minimize, to the maximum extent possible, interference with the work of other contractors and his workmen. Any injury or damage that may be sustained by the employees of the other Contractors and the Owner due to the Contractor's work shall promptly be made good at his own expense. The Engineer shall determine the resolution of any difference or conflict that may arise between the Contractor and the other contractors or between the Contractor and the workmen of the Owner in this regard to their work. If the works of the Contractor is so delayed because of any acts or omission of another contractor, the Contractor shall have no claim against the Owner.	We request you to kindly provide the equivalent time extension in case the delays are due to the reasons not attributable to the Contractor without any liability. The additional cost incurred by Contractor on account for the same shall be suitably compensated by Owner. Please confirm.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
315	Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3	6	COOPERATION WITH OTHER CONTRACTORS	6.2	The Engineer shall be notified promptly by the Contractor of any defects in the other contractor's work that could affect the contractor's work. The Engineer shall determine the corrective measures, if any, required rectifying this situation after inspection of the works and such decisions by the Engineer shall be binding on the Contractor.	We request you to kindly provide the equivalent time extension in case the delays are due to the reasons not attributable to the Contractor without any liability. The additional cost incurred by Contractor on account for the same shall be suitably compensated by Owner. Please confirm.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
316	Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3	8	PROTECTION OF WORK	10.1	The Contractor shall have total responsibility for protecting his work till it is finally taken over by the Engineer. No claim will be entertained by the Purchaser or the Engineer for any damage or theft or loss to the Contractor's works and the Contractor shall be responsible for the complete restoration of the damaged works to its original condition to comply with the Specifications and Drawings. Should any such damage to the Contractor's works occur because of other party not under his supervision or control, the Contractor shall make his claim directly with the party concerned. If disagreement or conflict or dispute develops between the Contractor and the other party or parties concerned regarding the responsibility for damage to the Contractor's Works, the same shall be resolved as per the provision of the clause: 'Co-operation with other Contractors'. The Contractor shall not cause any delay in the repair of such damaged works because of any delay in the resolution of such disputes. The Contractor shall proceed to repair the work immediately and no cause thereof will be assigned pending resolution of such dispute.	We request you to kindly provide the equivalent time extension in case the delays are due to the reasons not attributable to the Contractor without any liability. The additional cost incurred by Contractor on account for the same shall be suitably compensated by Owner. Please confirm.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.

**Consolidated Response to Bidder's Queries**

**Referenece:**

- 1) Tender Enquiry Document For Pooling Substation 400/33 KV, 1200 MW (PSS-1, Phase-I & Phase-II of 600 MW Each ) of Solar/ Wind / Hybrid RE Park of 2375 MW Capacity at Great Rann of Kutch Area, Gujarat (RFP No. GIPCL/RE Park/PSS/Phase-I Dtd. 07.04.2022)
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317	Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3	11	CONTRACTOR'S COOPERATION WITH THE OWNER/ PURCHASER	18.1	In cases where the performance of the erection work by the Contractor affects the operation of the system facilities of the Purchaser, such erection work of the Contractor shall be scheduled to be performed only in the manner stipulated by the Engineer and the same shall be acceptable at all times to the Contractor. It shall be the responsibility of the Contractor to provide all necessary construction power and construction water, temporary instrumentation and other measuring devices required during construction, erection, start-up and operation of the equipment systems which are erected by him. The Contractor shall also be responsible for flushing and initial filling of all the oil and lubricants required for the equipment furnished and erected by him so as to make such equipment ready for operation.	Please confirm that in case there is any delay in the timelines due to operation of the system facilities of the Purchaser, then the Contractor shall be suitably compensated with extension of time and additional cost.	Bidder shall refer Tender clause No. 8.0 of " Vol I Sec 5 SCC_PSS_1 PH-1 and 2_R3 " along with other clauses of the Tender documents.  No change in tender conditions. Bidder shall comply with tender conditions.
318	Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3	13	CONSTRUCTION/ER ECTION MANAGEMENT	21.3	Time is the essence of the Contract and the Contractor shall be responsible for performance of his works in accordance with the specified erection schedule. If at any time, the Contractor is falling behind the schedule, he shall take necessary action to make good for such delays by increasing his work force or by working overtime or otherwise accelerate the progress of the work to comply with the schedule and shall communicate, such actions in writing to the Engineer, satisfying that his action will compensate for the delay. The Contractor shall not be allowed any extra compensation for such action.	Please confirm that the referred clause shall be applicable only in case when the delays are solely attributable to the Contractor.	Bidder shall refer Tender clause No. 8.0 of " Vol I Sec 5 SCC_PSS_1 PH-1 and 2_R3 " along with other clauses of the Tender documents.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
319	Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3	15	PROTECTION OF MONUMENTS & REFERENCE POINTS	27.1	The Contractor shall ensure that any finds such as relic, antiquity, coins, fossils, auspicious tree, plants, etc which he may come across during the course of performance of his works either during excavation or elsewhere, are properly protected and handed over to the Engineer. Similarly the Contractor shall ensure that the bench marks, reference points etc which are marked out either with the help of Owner or by the Owner shall not be disturbed in any way during the performance of his works. If any work is to be performed which may disturb such references, the same shall be done only after these are transferred to other suitable location under the direction of the Engineer. The Contractor shall provide all necessary materials and assistance for such relocation of reference points etc.	Please confirm that due to the referred clause, the delay and cost shall be suitably compensated by the Owner to Contractor for such rework.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
320	Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3	20	DEFECT LIABILITY	35.1	If the Facilities or any part thereof cannot be used by reason of such defect and/ or making good of such defect, the Defect Liability Period of the Facilities or such part, as the case may be, shall be extended by a period equal to the period during which the Facilities or such part cannot be used by the Company because of any of the aforesaid reasons. Upon correction of the defects in the Facilities or any part thereof by repair/ replacement, such repair/ replacement shall have the defect liability period of eighteen (18) months from such replacement.	Please confirm that the Sun-Set clause for Defect Liability Period shall be 12 months from the Scheduled Defect Liability Period Completion.  Further, we understand that clause 35.11 regarding extended warranty is not applicable since already there is a defined Defect Liability Period, hence kindly remove this clause.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
321	Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3	23	MODIFICATIONS	41.1	The Contractor shall carry out all modifications at site as directed by the Purchaser/Engineer to complete the work covered in this Contract. It is the responsibility of the Contractor to get the prior approval for such modifications from the Purchaser/ Owner before such works are taken final.	We understand that such modifications shall be called based on the Change Order. Please confirm.	As the Tender clause "The Contractor shall carry out all modifications at site as directed by the Purchaser/Engineer to complete the work covered in this Contract.... " is self explanatory.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
322	Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3	25	NIGHT WORK	46.1	The Contractor may work during the night hours to complete the work. Engineer may consider granting permission for working during night hours, if he considers it essential in order to complete the work in the stipulated time, on a specific request by the Contractor. Night work shall not entitle the Contractor to any extra payment. Where night work is in progress sufficient lights shall be provided by the Contractor at his cost, to safeguard the workmen and the public and he shall take suitable precautions to prevent accidents. Excavated areas shall be barricaded and provided with red lights as a caution to prevent accidental falls. As the Project site is located in defense sensitive area near to International Border, any approval/clearance from Army/BSF/Police/Govt. Authority for working during night hours shall be in scope of Contractor.	We request you to kindly provide the equivalent time extension in case the delays are due to the reasons not attributable to the Contractor without any liability. The additional cost incurred by Contractor on account for the same shall be suitably compensated by Owner. Please confirm.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
323	Vol I Sec 5 SCC_PSS_1 PH-1 and 2_R3	4	INTENT OF CONTRACT	1.3	...It is the responsibility of the Contractor to obtain any permit or license etc. wherever applicable for this work on behalf of GIPCL....	We request you to kindly consider the cost of procuring the permits, licences, registrations, statutory permits and approvals etc. in Owner's scope at all times. The Contractor shall support Owner for necessary documentations as may be required.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.



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324	Vol I Sec 5 SCC_PSS_1 PH-1 and 2_R3	4	SITE INSPECTION AND BASIS OF BID	2.1	The volume and quantity of work indicated in schedule of works may vary. The Contractor should visit the Site before quoting rate for civil works. After taking into consideration all aspects of the site, condition of soil etc., the Contractor should quote for civil works. No extra claim will be entertained after award of work. The foundation design of 400/33 kV Pooling Substation (GIS) along with equipment, building etc. shall have to be approved by GIPCL. In case of any defects arising in the building during guarantee period, the Contractor shall have to rectify the same at its own cost.	Please confirm that in case if there are any underground obstructions, hindrances, structures which appear after the excavation, the extension of time shall be suitably provided to the Contractor. Such underground hindrances, obstacles etc. shall be removed by the Owner.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
325	Vol I Sec 5 SCC_PSS_1 PH-1 and 2_R3	6	DELAY IN COMPLETION OF WORK PERIOD	8.2	The recommended spares for three years O&M of plant to be supplied by the Supplier as stipulated in Cl. no. 55.9 of Sec.4 Vol-I. In case the Supplier delays the supply of spares beyond the scheduled date, then the Owner shall recover as liquidated damages, a sum of 0.5% (zero point five percent) of the contract price of spares for each completed week of delay subject to a maximum of 10% (ten percent) of contract price for the spares. The contract price to be used here will be construed as the contract price shown separately for the spares. Liquidated damages for delays in supply of recommended spares for 3 years O&M will be applicable only if the Owner contracts for these spares within Twelve (12) months from placement of Letter of intent.	Since these are the recommended spares and hence we request you to kindly remove this liquidated provision. Else kindly make the LD applicability on undelivered portion and cap to 5% of the value of Spares.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
326	Vol I Sec 5 SCC_PSS_1 PH-1 and 2_R3	6	DELAY IN COMPLETION OF WORK PERIOD	8.4	The defaulting Contractor shall be made liable to pay to the GIPCL in addition to liquidated damages for delay, the actual difference in price, wherever GIPCL orders the delayed quantity to be supplied/executed by other agencies at a higher rate.	Please confirm that the scope shift to the other contractor(s) shall be at fair competitive market price.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
327	Vol I Sec 5 SCC_PSS_1 PH-1 and 2_R3	6	DELAY IN COMPLETION OF WORK PERIOD	8.5	If the Contractor fails to deliver the plant or fails to start the work within specified time frame after issue of Lol or fails to carry out the work as per agreed schedule or leaves the work site after partial execution of the work, GIPCL shall have the right to get the work done through any other agency at the risk and cost of the Contractor. Further to this, GIPCL may, without prejudice to the right of the Contractor to recover damages for breach of trust of the Contract, may impose penalties.	Please confirm that the scope shift to the other contractor(s) shall be at fair competitive market price.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
328	Vol I Sec 5 SCC_PSS_1 PH-1 and 2_R3	6	DELAY IN COMPLETION OF WORK PERIOD	8.7	If, at any time, the CONTRACTOR's actual progress falls behind or is likely to fall behind the agreed schedule of the break-up/detailed Project activities, the CONTRACTOR shall submit to the OWNER, a revised programme with catch up schedule, taking into account the prevailing circumstances and delay in the respective activities / milestones. The CONTRACTOR shall, at the same time/forthwith notify promptly to GIPCL of the steps being taken to expedite progress of the Project activities, so as to achieve completion of such activities within the agreed Time schedule for Completion. The Contractor shall in order to overcome the situation, forthwith mobilize required additional resources like manpower, materials, machineries etc. to achieve the prescribed timeline/schedule at his risk and cost	Please confirm that the referred clause is applicable only in case the delay is due to the reasons solely attributable to the Contractor.  In case the reasons of delay are not attributable to the Contractor, the additional cost and time extension shall be provided by Owner to the Contractor.	Bidder shall refer Tender clause no. 8.3 of "Vol I Sec 5 SCC_PSS_1 PH-1 and 2_R3" along with other clauses of Tender documents.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
329	Vol I Sec 5 SCC_PSS_1 PH-1 and 2_R3	7	DELAY IN COMPLETION OF WORK PERIOD	8.8	In case further slippage is observed in the progress of Project activities, as per agreed time schedule or failure by EPC Contractor, at any stage of the Contract, to perform the Contract diligently to fulfil his obligations as per the EPC Contract, GIPCL reserves the right to engage any other Contractor(s)/sub-contractor(s) at any time, at the risk and cost of the EPC Contractor to ensure completion of the Project activities in line with the agreed time schedule. Further, GIPCL will also deduct Liquidated Damages (LD) arising out of any such delay, if any, as per the terms of this tender document or recover the costs, expenses, losses, damages incurred or suffered by GIPCL as per the recourse available under this tender document or any other law for the time being in force.	Please confirm that the referred clause is applicable only in case the delay is due to the reasons solely attributable to the Contractor.  In case the reasons of delay are not attributable to the Contractor, the additional cost and time extension shall be provided by Owner to the Contractor.  Please confirm that the scope shift to the other contractor(s) shall be at fair competitive market price.	Bidder shall refer Tender clause no. 8.3 of "Vol I Sec 5 SCC_PSS_1 PH-1 and 2_R3" along with other clauses of Tender documents.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
330	Vol I Sec 5 SCC_PSS_1 PH-1 and 2_R3	7	DELAY IN COMPLETION OF WORK PERIOD	8.9	The said right of the GIPCL to levy damages on account of delay shall be without prejudice to and in addition to the right of the Company to get the concerned work done from a third party at the complete risk and cost of the Contractor.	Please confirm that the scope shift to the other contractor(s) shall be at fair competitive market price.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.

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331	Vol I Sec 5 SCC_PSS_1 PH-1 and 2_R3	7	CONTRACT PRICE	9.2	Taxes & duties indicated in the price schedule are as prevailing on the date of submission of the bid. However, all taxes & duties applicable on direct transactions between the Owner and the Contractor shall be reimbursed to the Contractor at actual against the documentary evidence of payment of the same by the Contractor. The rates for all the bought out items shall be inclusive of all taxes and duties. No statutory variation of taxes and duties etc. will be allowed for the bought out items.	Please confirm that the Statutory Variation in Taxes and Duties on account of direct transaction (including the bought out items) between Owner and Contractor shall be in Owner's Scope.	Bidder shall refer Tender clause no. 83.0 of " Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3" along with other clauses of Tender Documents. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
332	Vol I Sec 5 SCC_PSS_1 PH-1 and 2_R3	7	PAYMENTS	10.1	The Owner, as per guidelines and conditions specified herein, shall authorise the payment to the Contractor only for the performance of the works under the contract. All payments during the currency of the contract shall be "on account" payments only. It shall be the responsibility of the Contractor to effect payments to his collaborator/associate, principal, sub- vendor, sub-contractor, supplier etc. The Contractor shall hold the Owner harmless and indemnified from and against all such claims.	We request you to kindly facilitate the payments through LC.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
333	Vol I Sec 5 SCC_PSS_1 PH-1 and 2_R3	8	DUE DATES FOR PAYMENT	11.1	The Owner shall make progressive payment as and when the payment is due as per the terms of payment set forth. Payment shall become due and payable by the owner within 30 (thirty) days from the date of receipt of contractor's bill/invoice/debit note by the Owner provided the documents submitted are clear and complete in all respects.	Please confirm that in case the payments are delayed beyond the due date, the Contractor shall be paid interest on the delayed payment for the delayed period calculated at SBI's MCLR rate.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
334	Vol I Sec 5 SCC_PSS_1 PH-1 and 2_R3	8	MODE OF PAYMENT	14	Payment for supply, erection, testing & commissioning including mandatory spares shall be released by Financial Controller/ Central Payment/GIPCL/HQ by A/c Payee Cheque/RTGS/NEFT on any Nationalised/ Scheduled Banks or their branches. Bank charges if any will be to the account of the contractor. All payments (Supply and Works) shall be made within 30 days of receipt of invoice with valid supporting documents.	Please confirm that each party shall bear the Bank Charges of their banks.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
335	Vol I Sec 5 SCC_PSS_1 PH-1 and 2_R3	10	TERMS OF PAYMENT	15.2	PAYMENT TOWARDS WORKS:	Since this is a Service advance payment, hence as per standards, Advance for services are paid along with GST. Kindly consider the same.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
336	Vol I Sec 5 SCC_PSS_1 PH-1 and 2_R3	10	TERMS OF PAYMENT	15.3	PAYMENT TOWARDS FREIGHT & INSURANCE, LOADING, UNLOADING AND HANDLING AT SITE:	We request you to kindly provide 100% payment for Freight and Insurance etc. along with the dispatch payment terms of the Supply Portion.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
337	Vol I Sec 5 SCC_PSS_1 PH-1 and 2_R3	14	THIRD PARTY INSPECTION	21.0 (a)	a) Indigenous supplies: - The equipment to be supplied under this Contract shall be inspected during manufacturing as per the quality plan to be finalized. Material verification and stage inspection at all important stages as well as final testing and inspection fall within this scope. The inspection shall be carried out by a third party inspection agency to be appointed by the Owner for indigenous supplies. The cost towards this inspection shall be borne by the Contractor.	We request you to kindly consider the cost of boarding, lodging, travel, local transport, medical expenses, out of the pocket expenses and other related costs for Owner's representatives in Owner's scope only. Any Third Party cost shall be borne by Owner. Please confirm.	Bidder shall refer clause no. 23.6 of " Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3 " No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
338	Vol I Sec 5 SCC_PSS_1 PH-1 and 2_R3	14	THIRD PARTY INSPECTION	21.0 (b)	b) In the case of imported supplies: - For imported materials or non- indigenous supplies, the inspection shall be carried out either by a foreign agency of repute to be appointed by the contractor as approved by the Owner or will be witnessed by the Owner. All costs (travel, local transport, lodging and boarding) related to inspection of imported supplies shall be borne by the Contractor.	We request you to kindly consider the cost of boarding, lodging, travel, local transport, medical expenses, out of the pocket expenses and other related costs for Owner's representatives in Owner's scope only. Any Third Party cost shall be borne by Owner. Please confirm.	Bidder shall refer clause no. 23.6 of " Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3 " No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
339	Vol I Sec 5 SCC_PSS_1 PH-1 and 2_R3	17	FINAL ACCEPTANCE	33.1	In case of Commissioning cannot be carried out, after Mechanical Completion and Pre-Commissioning test, at specified time due to reasons attributable to Owner, the Plant shall be taken over 6 months after the intimation from the Contractor provided the Owner is satisfied about his readiness of the Plant. In such case, the Owner shall give an adhoc final acceptance certificate for the purpose of triggering the Guarantee/Defect Liability period. In such an eventuality, the Owner shall give a notice to the Contractor of his readiness to give necessary inputs to enable the Contractor to do the Performance Guarantee Test, in which case the Contractor shall arrange the Performance Guarantee Test within 30 days on receipt of such notice without any additional financial implication to the Owner.	The timeframe of 6 months is requested to be changed to 1 month owing to reduce the impact of additional cost on account of idling of resources etc. for 6 months, else we request you to kindly provide the additional cost on account of such delay in conducting PG tests for the reasons not attributable to the Contractor.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
340	Vol I Sec 5 SCC_PSS_1 PH-1 and 2_R3	18	MISCELLANEOUS	36.2	Any project manager or member of the Contractor at Site shall be replaced within a period of forty eight (48) hours of intimation by GIPCL without assigning any reason thereof.	We request you to kindly provide the reason in writing for removing any member or Project Manager of the Contractor.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.

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341	Vol I Sec 5 SCC_PSS_1 PH-1 and 2_R3	18	MISCELLANEOUS	36.3	The Contractor shall take care of all statutory, local clearance, approvals, etc.	We request you to kindly consider the cost of procuring the permits, licences, registrations, statutory permits and approvals etc. in Owner's scope at all times. The Contractor shall support Owner for necessary documentations as may be required.	Bidder shall refer Tender clause No. 78.0 of " Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3" along with other Tender document.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
342	Vol I Sec 5 SCC_PSS_1 PH-1 and 2_R3	19	MISCELLANEOUS	36.8	Based on reviewing the Project, if the progress is below expectation as judged based on GIPCL's 's discretion, then GIPCL shall reduce the Scope of the Contractor in part or full and assign the same to other contractor(s) at the risk and cost of the existing Contractor.	Please confirm that the scope shift to the other contractor(s) shall be at fair competitive market price.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
343	Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3	5	CONTRACT DOCUMENTS	2.3	The several documents forming the 'Contract' are to be taken as mutually explanatory of one another but in case of ambiguities or discrepancies, the same shall be explained by the Purchaser, who shall there-upon issue to the Vendor/Contractor instructions directing in what manner the 'Works' are to be carried out. Decision of the Owner shall be binding on the Contractor.	We request to kindly consider Order of Precedence as the basis which is proposed as a) Contract (Including Appendices) b) LOA and its Appendices c) Special Conditions of Contract d) General Conditions of Contract e) Erection Conditions of Contract f) Technical Specifications g) Bidder's Bid	Bidder shall refer Tender Clause No. 2.4 of " Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3"  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
344	Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3	6	CONTRACT DOCUMENTS	2.4	In the event of any conflict between the documents constituting the contract documents, the documents defining the Contract shall take the following order of precedence. Contract Agreement as per proforma vide Appendix-17 (All the agreed documents valid till Formal Contract is signed. No relief for Contractor for not entering into a formal signed contract and acceptance of LoI/LoA shall be treated as valid and legally binding to fulfill all obligations agreed upon as per LoI/LoA.). Any agreed variation between the Owner/Purchaser and the Contractor including but not limited to minutes of negotiation, amendments if specifications and or specifications and or special terms and conditions of the contract and corrigendum/addendum thereto. <input type="checkbox"/> General Terms and Conditions of the Contract (GCC) <input type="checkbox"/> Erection & Commissioning Conditions of the Contract (ECC) <input type="checkbox"/> Special Conditions of the Contract (SCC) <input type="checkbox"/> Technical Specifications All materials, literature, drawings, data and information of any sort given by the Contractor and approved by Owner as well as the one given by the owner to the contractor. The Owner's decision shall be final and binding on the parties. Any other documents as may be required.	We request to kindly consider Order of Precedence as the basis which is proposed as a) Contract (Including Appendices) b) LOA and its Appendices c) Special Conditions of Contract d) General Conditions of Contract e) Erection Conditions of Contract f) Technical Specifications g) Bidder's Bid	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
345	Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3	13	SECURITY DEPOSIT CUM CONTRACT PERFORMANCE BANK GUARANTEE	9.1	An amount equal to 10% of the EPC contract price shall be furnished by the successful bidder for proper fulfillment of the contractual terms and conditions set forth against this contract in the form of Bank Guarantee for Security Deposit cum Contract Performance as per format enclosed (Appendix-16 (B)). The Bank Guarantee for S.D. cum Contract Performance Guarantee has to be furnished within Thirty (30) days from the date of Letter Of Intent and should be valid up to 44 Months (i.e. 20 months completion period including both Phase-I & Phase-II + 12 months defect liability period + 12 months claim period) from the date of LOI. Security Deposit cum Performance Bank Guarantee will not carry any interest. Bank Guarantee for Security Deposit cum Performance Guarantee shall be released only on completion of all contractual obligations including but not limited to Cl. No. 3.33, Section-4.0, Vol.-I of this specification. If any loss or damage is incurred by the GIPCL on account of breach of any of the clauses mentioned in this contract or any other amount arising out of the contract becomes payable by the contractor to the GIPCL, and the GIPCL will in addition to such other rights that it may have under the law, the GIPCL may appropriate the whole or part of the Security Deposit and such an amount appropriated will not be refunded to the contractor.	Please confirm that Security Deposit Performance Guarantee shall be released after Defect Liability Period.  Also please confirm that defect Liability period of each Phase shall start from the completion period of the respective Phase.	Bidder shall refer Amendment

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Sr. No	Vol. No. & Section No.	Page No.	Main Clause	Clause No.	As per EPC Tender (GIPCL/RE PARK/PSS/Phase-I)	Bidder's Queries	GIPCL reply / clarification to Pre Bid Queries
346	Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3	27	SUSPENSION OF WORK OR TERMINATION	30.1	The Owner/Purchaser reserves the right to suspend and reinstate execution of the whole or any part of the work without invalidating the provisions of the Contract. Orders for suspension or reinstatement of the work will be issued by the Owner to the Contractor in writing. The time for completion of the work will be extended for a period equal to duration of the suspension and no financial compensation will be paid for the above suspension. No idle labour payments will be made on any account.	Please confirm that in case the Suspension is due to Owner's Convenience or due to reasons not attributable to the Contractor, then any and all additional costs or expenses incurred by the Contractor as a result of such suspension or reduction shall be paid to the Contractor.  Also kindly confirm that the Contractor shall also have the right to suspend the works in case there is a delay in the payment release by Owner beyond the specified period, or there are delays / non-fulfillment of Owner's obligations and any and all additional costs or expenses incurred by the Contractor as a result of such suspension or reduction shall be paid to the Contractor.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
347	Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3	27	TERMINATION OF CONTRACT BY THE OWNER/ PURCHASER	31.1	The Owner reserves the right to terminate the Contract either in part or full due to reasons other than those mentioned under clause 26.0 GCC entitled "Contractor's Default'. The Owner/Purchaser shall in such an event give fifteen (15) days notice in writing to the Contractor of his decision to do so. In the event the Owner terminates the Contract in whole or in part, pursuant to above, the Owner may procure, upon such terms and in such manner as it deems appropriate, goods similar to those undelivered, the Contractor shall be liable to the Owner for any excess costs for such similar goods. However, the Contractor shall continue the performance of the Contract to the extent not terminated.	Please confirm that in case of Termination on account of Owner's Convenience or Owner's Defaults, following payments shall be made to the Contractor  (a) the Contract Price, properly attributable to the Works (Supply and Services) executed by the Contractor as of the date of termination (b) the costs reasonably incurred by the Contractor in the removal of the Contractor's Equipment from the Site and in the repatriation of the Contractor's and its Subcontractors' personnel (c) any amounts to be paid by the Contractor to its Subcontractors in connection with the termination of any subcontracts, including any cancellation charges (d) costs incurred by the Contractor in protecting the Facilities and leaving the Site in a clean and safe condition (e) the cost of satisfying all other obligations, commitments and claims that the Contractor may in good faith have undertaken with third parties in connection with the Contract and that are not covered by paragraphs (a) through (d) above.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
348	Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3	38	CO-OPERATION WITH OTHER CONTRACTORS	53.2	It is envisaged that there will be number of areas where there would be interface between equipment to be supplied under this Contract and equipment proposed to be purchased under other enquiries. Contractor shall co-ordinate with all other manufacturers involved in design, control and instrumentation system which will perform the role contemplated without any problems. There shall be no extra cost involved for performing this role.	We request you to kindly provide the equivalent time extension in case such interface leads to the delays due to the reasons not attributable to the Contractor without any liability. The additional cost incurred by Contractor on account for the same shall be suitably compensated by Owner. Please confirm.  Further, We understand that Owner shall be the Nodal Agency and all the documents, details and data shall be routed through Owner itself.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
349	Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3	52	RISK PURCHASE	90.1	If the Contractor fails, on receipt of the Lol, to take up the work within a reasonable period or leave the work Site after partial execution of the work, GIPCL shall have the liberty to get the work done through other agency at the Contractor's own risk and additional cost if any. If the situation, so warrants, to compel GIPCL to cancel the Lol placed on the Contractor, it shall be liable to compensate the loss or damage, which GIPCL may sustain due to reasons of failure on Contractor's part to execute the work in time.	Please confirm that the scope shift to the other contractor(s) shall be at fair competitive market price.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
350	Vol I Sec 1 NIT_PSS_1 PH-1 and 2_R3	4	TABLE A: IMPORTANT DATES	Sr. NO. xi	Performance Guarantee (PG) Test Period B) In case the Contractor fails the OAT in the first attempt, the Contractor shall be allowed maximum 30 days (from the first attempt of OAT) for corrective actions and further next OAT shall start on completion of 30 days period or earlier as desired by the Contractor. The PG Test shall start from the date when of second OAT period is started. In case the Contractor fails in the second attempt as well, a penalty will be imposed at 1% of EPC Contract Price. In this case, irrespective of the result (whether pass or fail) of the OAT, the PG Test shall start at the beginning of the second OAT.	We request you to kindly delete the referred penalty of OAT getting failed since already there are liquidated damages applicability for delay in Commissioning.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
351	Vol I Sec 1 NIT_PSS_1 PH-1 and 2_R3	5	TABLE A: IMPORTANT DATES	Sr. NO. xi	Performance Guarantee (PG) Test Period C) However, in case of failure of the second OAT, if the Contractor needs more time to further take corrective action at its own discretion, then the same may be allowed by GIPCL without imposing any further penalty on the Contractor towards such subsequent OATs. However, if the Contractor is successful in third attempt then the penalty deducted at the time of unsuccessful 2nd attempt of OAT shall be returned but if the Contractor fails in third attempt of OAT then penalty charged at the time of second unsuccessful attempt of OAT shall not be returned to the Contractor.	We request you to kindly delete the referred penalty of OAT getting failed since already there are liquidated damages applicability for delay in Commissioning.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
352	Vol II Sec-2-23-Installation_PSS_Rev 3	8	Cabling Work	4.9.10	For directly buried cables, construction of cable trench for cables shall include excavation, preparation of sieved sand bedding, riddled soil cover, supply and installation of brick or concrete protective covers, back filling and compacting, supply and installation of route markers and joint markers. Before the cables are placed, the excavated portion shall be filled with a layer of sand. This sand layer shall be leveled and the cables laid over it. The cables shall then be covered with 150mm sand on top of the largest diameter cable and sand shall be lightly pressed. A protective covering with 70mm thick bricks shall then be provided on top. The remaining portion of the excavated trench shall then be back filled with soil, rammed and leveled.	Kindly confirm that whether the 33kV HT Power cable laying will be trench or buried type	Bidder shall refer clause no 8.9 of "Sec-2-26-Civil_PSS_Rev 3". Bidder shall refer the Tender drawing no: FCE-1721125-EL-DWG-LAY-2100-015, Rev. 4.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
353	Vol II Sec-2-5-DTS_CVT_PSS_Rev 3	4	TECHNICAL PARAMETERS	8.0.0 (4)	System fault level 63kA for 1sec	CVT fault level is not matching with other equipments. Kindly Confirm the fault level of CVT.	Bidder shall refer Amendment

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354	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	44	ANNEXURE- D: SPECIAL TOOLS		ANNEXURE- D: SPECIAL TOOLS	All the special tools are considered of DILO make. Is there other equivalent make available.Kindly Confirm	Bidder to refer "NOTES" under ANNEXURE-E: VENDOR LIST of Sec-1-GTS_PSS_Rev 3_Revised. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
355	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	5	SCOPE OF WORK AND SERVICES	2.2.0	Hybrid Park Control & Monitoring System (HPCMS) including the following-	We understand that all necessary support shall be provided by GIPCL/third party while integrating HPCMS with SPP SCADA, WPP SCADA, Desalination plant, RLDC, ISTS.Kindly Confirm	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
356	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	10	TERMINAL POINTS	4.0.0	Terminal points for HPCMS shall be as below table: Sr. No. 1 Cables, cable trays and accessories including supply, laying and termination.	1. We understand that construction of cable trench from PSS-1 to SPP/WPP/Desalination plant is not in scope of the tender. Kindly confirm. 2. Whether erection of cable trays from PSS-1 to SPP/WPP/Desalination plant is in scope of tender.Kindly confirm. 3. In point no iii) "Cable from SPP/WPP to PSS-1 end Common communication panel shall be in scope of the individual SPP/WPP. All the glanding, splicing, termination, ferruling of the interfacing cables shall be in the scope of SPP/WPP" PI confirm the exact requirement of trays to be used by SPP/WPP.	Bidder shall refer to clause no 3.0.0 and 4.0.0 of Sec-1-GTS_PSS_Rev 3_Revised (1). No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
357	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	11	TERMINAL POINTS	4.0.0	Terminal points for HPCMS shall be as below table: Sr. No. 8. PLCC / FOTE	We understand that FOTE equipment to be supplied for both ends of Tr.LINE and PLCC equipment is to be supplied for both ends of Tr. LINE. CVT and WT for Remote end is not in scope of the tender. Approach cable for both ends of Tr. Line is in scope of this tender. Kindly confirm.	Bidder shall refer Clause No 2.0.0 of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
358	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	11	TERMINAL POINTS	4.0.0	Terminal points for HPCMS shall be as below table: Sr. No. 11. PMU and its data communication with CTUIL S/s and HPCMS	PMU at other end of Tr. Line is not scope of this tender. Please confirm.	Bidder shall refer clause no 2.1.0 of "Vol II Sec-2-28-DTS_PMU_PSS_Rev 3" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
359	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	62	ANNEXURE-E: VENDOR LIST	VENDOR LIST	Notes: 2. Wherever the make is not specified for any other items, the contractor shall submit credential for vendors for relevant items / equipment, out of which Owner shall decide acceptance of vendor based on review of credentials. This shall have no price implication. Owner reserves the right to reject the proposed vendor without assigning any reason. 3.Bidder may suggest /request for approval of Additional vendor with credentials and details for review and approval of Owner. Owner may consider the request in case proposed additional vendor is reputed and meeting the tender specification requirements. Owner reserves the right to reject the proposed vendor without assigning any reason.	Is there is any Qualifying Requirement for supply of Material in addition of vendor list? Kindly Confirm	Bidder shall refer "NOTES" (Page-62 & 63 of 64) of ANNEXURE-E: VENDOR LIST of Sec-1-GTS_PSS_Rev 3_Revised. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
360	Vol II Sec-2-15-DTS_LT Switchboards_PSS_Rev 3	5	Moulded case Circuit Breakers(MCCB) / Motor Protection Circuit Breakers (MPCB)	4.4.0	Moulded case Circuit Breakers(MCCB) / Motor Protection Circuit Breakers (MPCB)	We understand MCCB feeders shall be non-draw type. Kindly Confirm	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
361	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	5	SCOPE OF WORK AND SERVICES	2.2.0	AL59 Moose Conductor for AIS portion	Please provide specification for Al 59 Conductor.	Bidder shall refer clause no 3.9.0 of "Vol II Sec-2-22-Misc items_PSS_Rev 3" and ammendment.
362	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	9	Core	5.2.0 (e) & (g)	e) In order to ensure prevention of multiple core earthing, core isolation test at 10 kV for 1 minute shall be done during pre-commissioning stage. To facilitate above, the core & core earthing has to be done outside the tank with suitable bushing. g) The insulation of core to bolts and core to clamp plates shall be able to withstand a voltage of 2 kV (rms) for 1 minute.	Both the referred clause deals with core isolation test but with different values, which are in contradiction with each other. Hence GIPCL is requested to clarify the core isolation test voltage level.	Bidder shall follow test procedures as per IS and IEC. Bidder shall refer clause no 5.2.0 d) & e) of "Sec-2-2-DTS_Stepup PT_PSS_Rev 3_Revised." No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
363	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	10	Windings	5.3.0 (j)	j) Tan delta of new transformer winding measured in supplier's works before dispatch must be less than 0.005 (0.5%).	As per cl. no. 22 viii. Annexure A of CEA specification for Transformers for Solar Park Pooling Stations allowed Tan Delta of winding is less than equal to 0.5% instead of less than 0.5%. Hence Tan Delta of winding shall be less than equal to 0.5%.	Bidder shall refer Amendment
364	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	15	Winding Temperature Indicator (WTI)	5.10.0 (f)	....The FOTM system shall have 8/12/16 channel and shall be finalized during detail engineering stage.....	GIPCL to kindly clarify the nos. of probes & nos. of channels of controller required to be inserted in winding for hot spot measurement as both these factors decides the cost of system which need to be procured.	It shall be decided during detailed engineering as per clause no 2.0.0 of Sec-1-GTS_PSS_Rev 3_Revised. FOTM system is for reference only. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
365	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	16	Bushings and Current Transformers	5.12.0(a)	a) Bushing for voltage of above 72.5kV shall be of the oil filled condenser type. 36 kV bushing shall be solid porcelain or oil communicating type.	It may please be noted that type of 52 kV bushing is not specified. Same is required for LV & LVN. Hence, it is required to clarify the type of bushing for 52 kV bushing.	Bidder shall refer Amendment

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366	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	25	Insulating Oil	5.24.0	The insulating oil shall be EHV grade, unused inhibited type mineral oil, and shall conform to all parameters specified in IS-12463 standard, while tested at Bidder's premises.....	It may please be noted that relevant IS for mineral transformer oil is IS 335. Hence supplied oil shall be unused inhibited type mineral oil as per IS 335. Kindly confirm.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
367	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	32	Constructional features of Cooler Control Cabinet/ Marshalling Box/ Junction Box / Online DGA Panel/ Oil Drying System Panel/ Digital RTCC Panel/ Optical temperature Sensor Panel	5.28.0 (b)	The cooler control cabinet, marshalling box, Junction box and all other outdoor cubicles and OLTC Drive Mechanism box shall be made of stainless steel sheet of minimum grade of SS 304 or better and of minimum thickness of 1.6 mm....	It may please be noted that to the best of our knowledge no OLTC supplier manufacture the OLTC Drive mechanism box of SS instead same is manufactured by Cast iron. Hence OLTC Drive Mechanism box shall be manufactured by cast iron. Kindly accept.	Bidder shall refer Amendment
368	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	36	Special Tests	6.3.0	Following Special tests shall be conducted on each transformer as per IS: 2026/ IEC-60076 /CBIP Manual:	It may please be noted that as per IS 2026/ IEC 60076, special tests are conducted on one transformer only. Hence the specified special test shall be conducted on one transformer only.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
369	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	48	TECHNICAL PARAMETERS	10.0.0 Sr. No. 9,10,11	9)Type of cooling ONAN/ONAF 10)ONAN Rating :MVA: 204 11) ONAF Rating :MVA :340	As per cl. no. 8 & 9 of Annexure A of CEA specification for Transformers for Solar Park Pooling Stations, type of cooling is specified as ONAN/ONAF/ODAF (60/80/100%), whereas in present case for cooling pump is not specified. We understand same is typographical error. Cooling shall be as per CEA i.e. ONAN/OANF/ODAF (60/80/100%). Kindly confirm.	Bidder shall refer Amendment No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
370			General (Co-ordinates of 400kV GIS PSS1)			Please provide the co-ordinates of the area where the 400kV GIS PSS1 work is to be executed, as it will be required for locating the PSS1 work in the total 4750 hectare surveyed	Bidder shall refer Amendment
371	Vol II Sec-1-GTS_PSS_Rev 3_ Revised (1)	23-25	ANNEXURE- B: BILL OF QUANTITY	Sr. No. 95 to 134	Civil & structural works Sr. No. 95 to 134	As per the soil report suitable ground improvement is to be provided wherever the strata are liquefiable, but there is no item for ground improvement in the Bill of Quantity refer "Vol-II, Sect-GTS-PSS-Rev3-revised, BOQ item from 95 to 134 ". Kindly clarify the item of BOQ in which ground improvement work is to be executed, as the cost of ground improvement is huge	Bidder shall refer Tender clause No. 2.4 of " Vol II Sec-1-GTS_PSS_Rev 3_ Revised (1) " No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
372	Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3	47	PRICE ESCALATION	80.1	The rate(s) quoted against the work shall remain firm during the entire Contract period.	1. Major scope is 4Nos Power transformer: As per present situation none of the OEM's are not ready to support with FIRM Price. Being an EPC bidder, it will become huge cost impact during contract execution, if PV is not available in the contract. 2. Structure in supply and Civil: Now a days, you well aware that LME prices increasing drastically. 3. Due to commodities price fluctuations in the market, we can't predict the major items price variation in the market. Like HT Cables & LT power & Control cables we kindly request you to amend the price basis clause from FIRM basis to Price Variation Basis. We request you to provide Price Variation on IEEMA formula and indices Basis.	Bidder shall refer Amendment
373	Vol I Sec 2 ITB_PSS_1 PH-1 and 2_R3	6	PRE-QUALIFYING REQUIREMENTS (PQRS)/ ELIGIBILITY CONDITIONS	2.2.1.3 (iii)	(iii) A legally enforceable undertaking (jointly with the GIS Manufacturer) (as per enclosed format in 27(B) of Appendix-27, Section-VII, Volume-I of bidding document) to guarantee quality, timely supply, performance and warranty obligations as specified for the equipment(s) is submitted along with the bid stating that GIS Manufacturer shall furnish performance guarantee for an amount of two (2) % of the total contract price. This performance guarantee shall be in addition to the Contract Performance security to be submitted by the Bidder.	We understand from above clause that multiple GIS Manufacturer can be proposed by EPC Bidder. Please confirm our understanding.	Bidder shall refer Amendment
374	Vol II Sec-2-26-Civil_PSS_Rev 3	1	SCOPE OF WORK	2.0 (1)	Site related investigations. a. Topographic survey. b. Geotechnical investigation	We understand, the provided Contour plan and Soil investigation/ Soil resistivity report along with tender are "FOR TENDER REFERNACE ONLY. Please confirm. Further, with referring the Scope of work, we understand, both are in Bidder's scope & hence, the Bidder has to conduct site visit with their own risk, examine the site levels, scope, its surroundings, raw material, construction water, construction power etc. and obtain for itself on its own responsibility all information that may be necessary for preparing the Bid. Please confirm.	Bidder shall refer tender clause no. 5.0 of "Vol II Sec-2-26-Civil_PSS_Rev 3" No change in Tender Conditions. Bidder shall comply with tender conditions.

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375	Vol III R5-GIPCL Contour Survey,part1,part2 and part3				Dwg. No. 24/03/2021...R5 Detailed Geotechnical investigations,contour and topographical survey of proposed solar/wind/Hybrid park at Great Rann of Kutch area,Gujarat	We have found three documents for Contour survey with file names... Contour survey. Part-1,Contour survey.Part-2 & Contour survey. Part-3. However, we understand all are same. Please confirm.	Bidder shall refer the Contour survey attached in the tender. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
376	Vol II Sec-2-26-Civil_PSS_Rev 3	4	Levels	4.8	.....High Flood level (HFL) is required to be arranged by Contactor for finalization of Finished ground level (FGL) of Pooling substation and will be fixed during detailed engineering.....	Since, land will be handed over to the Contractor as it is basis please furnish, 1. Proposed FGL level w.r.t outside Periphery road (Finished Top) 2. Exact GPS locations of Bench Marks (mini. Two reference Points) along with Contour survey to ascertain the quantity of plot filling for the substation. Further to the above point, we have not found any HFL level @ nearby locations during site visit, you are requested furnish the same.	Bidder shall refer Amendment for tentative site Co-ordinates. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
377	Vol II Sec-2-26-Civil_PSS_Rev 3	5	SITDEVELOPMENT WORKS	6.1	Site Grading: The land is almost flat and will be handed over to the Contractor as it is basis.		
378	Vol II Sec-2-26-Civil_PSS_Rev 3	4	Levels	4.8	.....Finished ground floor level (FFL) for GIS building and Main control building shall be minimum 1000mm above Finished Ground level (FGL). Any other building ground floor (FFL) shall be minimum 700mm above finished ground level(FGL). Switchyard equipment foundations plinthshall be minimum 600mm above Finished Ground level(FGL). These are minimum elevation and can be increased.Roads, storm water drains, cable trench top levels shall be decided during detail engineering.....	We understand, 1) FFL level for GIS & Control room Building shall be Mini. +1000mm above Proposed FGL. 2) FFL level of another buildings shall be Mini. +700mm above proposed FGL level. 3) Plinth top level of Switchyard Equipment/Tower foundation Top shall be Mini. +600mm above proposed FGL level. Please confirm. 4) The top of the trenches shall be kept + 150 mm above FGL	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
379	Vol III 1 Soil Investigation_Part-1 and Part 2				Soil Investigation Part-1 & 2	Please furnish bore log Location plan to ascertain the Bore log No's for PSS-01.	
380	Vol II Sec-2-26-Civil_PSS_Rev 3	5	Compound Wall	6.4	Compound wall of 2.2 m height above FGL, with 600 mm dia barbed wire concertina wire above, shall be provided around entiresubstation area. Material of construction for compound wall shall be either precast wall panels or masonry with plastering. Wall shall be resting on grade beam which in turn will be resting on columns and foundations. Coping wall shall be provided at top. Both surfaces (internal and external) shall be painted with weather proof paint.	As per preliminary investigation & site visit, we have observed mini. 1.5m & max 3.0m level difference between nearby finished road top & EGL. Please confirm. If above understanding is correct, please confirm below points. 1. RCC Retaining wall of suitable thickness is required below Main Compound wall to retain earth pressure of filled up soil/murrum. 2. Pre-cast type Compound wall is accepted as per line item. If yes, please furnish Mini. requirement/specification of Pre-cast compound wall. i.e. Thickness of Pre-cast wall panel/H pole, Concrete grade & Grade of Reinforcement steel/wire etc. 3. Further the works like plaster, Paint, RCC Coping etc. are not envisaged in case of Pre-cast type compound wall. 4. Max. C/C distance of Pre-cast Pole /RCC Column (in case of Masonry type) is considered at 3.0m.	It shall be decided during Detailed Engineering. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
381	Vol II Sec-2-26-Civil_PSS_Rev 3	5	Storm water Drain Network	6.6	Storm water drainage network shall be provided for the entire substation area and the same shall be discharging to main storm water network of the solar park near the approach road. Drain shall be of RCC construction.The drawings shall indicate the basic drainage plan from the various units within the Substation.Invert level of drainage network and at outfall point shall be decided in such a way that water can easily be discharged outside the station Boundary. The maximum velocity and non-silting velocity shall be ensured.	We have envisaged Mini. Two outfall points outside main gate towards approach roads of solar park which will connect to the Main Solar park road outside. Please confirm. Further, please confirm weather RCC drain is required at any one side of road or both sides. Please confirm.	Bidder shall refer Amendment

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382	Vol II Sec-2-26-Civil_PSS_Rev 3	6	Roads	6.7	Width of main roads in the substation shall be 4.0 m with 1.0 m wide shoulders on both sides. All roads shall be of RCC construction.	We understand, 1. Width of Main roads are 4.0 m wide & 1.0m shoulders extra on both the sides. 2. 1.0m shoulders is nothing but Footpath with concrete or light weight paving blocks. Please confirm. 3. If above understanding is correct, than please furnish the Grade and Thickness of Interlocking paver blocks.	It shall be decided during Detailed Engineering.
383	Vol II Sec-2-26-Civil_PSS_Rev 3	6	Walkway / footpath	6.8	Footpath with concrete or light weight paving blocks shall be provided as per requirements		No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
384	Vol II Sec-2-26-Civil_PSS_Rev 3	15	COMMON REQUIREMENTS FOR CIVIL WORKS	9.1	Grading of Concrete: Unless required otherwise, cement used shall be Sulphate Resistant Cement conforming to IS 12330. Special cement, as appropriate, shall be used for structures, or portions of structures, exposed to chemicals. The type of cement shall be as per the soil investigation report. All structural concrete shall be design mixes only. Ready mix concrete may be used where feasible, minimum cement content shall be 350 kg / m <sup>3</sup> of concrete unless otherwise specified in the detailed soil investigation report. The following grades of concrete as per IS : 456 shall be adopted for the type of structures noted against each. M 35 - RCC structures below ground (min). M 35 - RCC structures above ground (min). M 35 - Precast trench covers M15 - PCC 1 : 4 : 8 - Mud mat	Please re-confirm the below requirements. 1. Unless required otherwise, cement used shall be Sulphate Resistant Cement conforming to IS 12330 OR The type of cement shall be as per the soil investigation report. Which one is correct?. Please confirm. 2. We have not envisaged any Special type of cement for any type structures below Ground or above ground or under water structures. Please confirm. 3. All structural concrete shall be design mixes only. 4. Since, ready mix concrete is not available nearby area, we have envisaged all major concreting i.e. above 5.0 cum with Ajax (of 4.0 cum capacity) with printer facility & other minor concrete/PCC is with Reversible drum of 1 or 2 bag capacity. Please confirm. 5. Mini. grade of concrete shall be as per TS, i) M 35 - RCC structures below ground (min). ii) M 35 - RCC structures above ground (min). iii) M 35 - Precast trench covers: iv) M15 - PCC ( Levelling course): v) 1 : 4 : 8 - Mud mat	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
385	Vol II Sec-2-26-Civil_PSS_Rev 3	16	Clear Cover	9.2	.....All reinforcements shall be of high yield strength deformed TMT bars conforming to IS: 1786 Grade of rebar shall be Fe 500D coated with anti-corrosive paint.....	We have envisaged Fe-500 D (Corrosion Resistant steel). Please confirm. Further, please furnish approved vendor list cement, TMT, Structural steel & other finishing items.	
386	Vol II Sec-2-26-Civil_PSS_Rev 3	16	Minimum thickness of structural elements	9.3	The following minimum thickness shall be followed: a) Ground floor slab (non - suspended) 150 mm b) Water Retaining Slab / Walls 200 mm c) Cable / Pipe Trenches / Underground pit 125 mm d) All footings (including raft foundations) 300 mm e) Precast trench cover slabs – indoor 100 mm f) Precast trench cover slabs – outdoor 100 mm g) RCC Paving 150 mm h) RCC Paving with vehicular load 200 mm	The following minimum thickness shall be followed: a) Ground floor slab (non - suspended)- 150 mm b) Water Retaining Slab / Walls - 200 mm c) Cable / Pipe Trenches / Underground pit- 125 mm d) All footings (including raft foundations)- 300 mm e) Precast trench cover slabs – indoor -100 mm f) Precast trench cover slabs – outdoor-100 mm g) RCC Paving- 150 mm h) RCC Paving with vehicular load- 200 mm	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
387	Vol II Sec-2-26-Civil_PSS_Rev 3	16	Excavation and Backfilling	9.4	Excavation and backfilling shall be accordance to IS standards. Contractor shall carry out deep / shallow excavation by considering safety at side against any collapse. Temporary design against sliding and supports shall be providing by contractor. Backfilling shall be with non-expansive soil. Any organic matter like roots and barks of trees shall be removed, if found at foundation level and surplus excavation shall be filled with PCC 1:4:8.	Please re-confirm the requirement. Further, In case of non-availability of Non-expansion soil, Murrum /quarry spoil can also be permitted as and 2nd option. Please confirm.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
388	Vol II Sec-2-26-Civil_PSS_Rev 3	12	Security Cabin	8.2	Suitable weatherproof security cabins of 3.0m x 3.0m size, prefab type, resting on concrete foundation or block masonry building with RCC frames shall be provided near the two main entry gates. Suitable numbers of chairs and desk, fan and lightings shall be provided.	Please furnish any specific requirement of Pre-feb if any.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.



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389	Vol II Sec-2-26-Civil_PSS_Rev 3	12	400 kV GIS Building - Pre Engineered Building (PEB)	8.3	.....This building shall be pre-engineered building (PEB) with sandwich metal sheet cladding and roofing.....	A. Please furnish below requirement, 1. Detail requirement of Sandwich metal sheet cladding. Like, Spec of Insulation/Puff panel, Thickness of metal sheet, Mini. Strength requirement, 2. Reference Design codes to be followed. 3. Type of Sky light/wall light specification, Rainwater, gutter, flashing, etc. 4. Requirement of ladder for roof access, entry/exit doors, fire exit doors etc. 5. Mini. thickness requirement of Built-up sections, Hot & cold form sections & type etc. 6. Factor of safety to be considered. 7. Type of Coating over outer metal sheet cladding & Painting specification of Steel structure. 8. Mini. % ventilation required. B. OR else Please furnish Design Basis report which includes all above data required. C. Any specific flooring / floor paint required in GIS Hall. D. Further, we have envisaged RCC Hume pipe (Np3) with adequate size of pipe and Cable Pull pits for laying of cables from GIS hall to LCC/CRP panels Instead of RCC Trench. Please confirm.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
390	Vol II Sec-2-26-Civil_PSS_Rev 3	29	DESIGN LOADS FOR CIVIL STRUCTURES AND BUILDINGS	10.7	The individual members of the frame shall be designed for the worst combination of forces such as bending moment, axial force, shear force and torsion. Permissible stresses for different load combinations shall be taken as per IS:875 (Part-V) and other relevant IS codes. Wind and seismic forces shall not be considered to act simultaneously. Load factors shall be based on the factors given in the relevant codes of practice – in general all loads which are variable (including earth and ground water pressure) shall be treated as live loads for purpose of determining the load factor.	1. We have considered Limit state method for both 400KV GIS and Control Building. Please confirm. 2. Further, we have considered loading combinations given in Volume II Part_1/ 10.0 DESIGN LOADS FOR CIVIL STRUCTURES AND BUILDINGS. Please confirm.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
391			General			We are considering, 1) 50 DegC Design ambient temperature of all the above equipment. 2) Wind Speed is 55m/ sec & 3) The site falls in Zone-V. IS:13920 shall be followed for detailing. Importance factor shall be taken as per IS: 1893. Please confirm.	1) No Change in Tender Conditions. Bidder shall Comply with Tender Conditions. 2) Bidder shall refer to the Amendment. 3) No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
392	Vol II PSS Layout Dawing		Substation Control Building.			We understand Control & relay panels, SAS room & AHU room shall be PEB type (except Periphery wall & Partition wall). 1. Roof shall be lean to roof including adequate slope at outer side. 2. Vertical Columns & Rafter shall be of Built-up section & other components are same as per PEB Building sections. Please confirm. 3. Further, we have not envisaged Only Trench of adequate size below Control & relay panels, SAS room floor. Please confirm.	It shall be decided during Detailed Engineering. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
393	Vol II Sec-2-26-Civil_PSS_Rev 3	13	Substation control building	8.4	Substation Control Building.	Please furnish, Section drawing of Substation control room to ascertain the requirement of mini. Requirement of room height if any.	It shall be decided during Detailed Engineering. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
394	Vol II Sec-2-26-Civil_PSS_Rev 3	13	Civil works for 33kV Switchgear Buildings (PEB)	8.5	All civil works like foundations, pedestals, grade slab, flooring and cable trenches for the 33kV Switchgear buildings shall be provided.	We understand, 1. Any work above FFL is not in Bidder's scope for 33KV PEB Building. Please confirm. 2. Floor finish level is +1.50m above FGL. Please confirm.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
395	Vol II PSS Layout Dawing		33KV Cable Trench from 33KV PEB Building		Type of 33KV Cable Trench from 33KV PEB Building	1. We have considered 33KV Cable laying arrangement as "BURRIED TYPE" & "NOT RCC TYPE". Please confirm. 2. At road crossing RCC Hume pipe (NP3 Grade) is considered along with suitable No's of run as per design requirement. Please confirm.	Bidder shall comply with clause no 8.9 of "Sec-2-26-Civil_PSS_Rev 3." No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
396	Vol II Sec-2-26-Civil_PSS_Rev 3	14	Transformer Yard Foundations	8.7	Transformers shall be founded on RCC foundations with rails on the top and oil soak pits filled with 40mm hard stone aggregate. Jacking pads shall be provided. Size of the soak pit shall be decided based on the transformer details and oil volume.....	1. We have considered 40mm hard stone aggregate above Grating-100mm the. Please confirm. 2. We presume that the rails shall be of Broad gauge rail of 52 kg/m. Please confirm. 3. Further, we have not envisaged Fire wall as per provided layout. Please confirm.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
397	Vol II Sec-2-26-Civil_PSS_Rev 3	15	Diesel Generator Area	8.1	RCC foundation shall be provided for Diesel Generator. Removable type covered shed shall be provided based on type of Diesel Generator. Other details shall be as per system requirements and applicable standards and regulations.	1. As per Layout given there are 2 No's of foundations are given for Diesel Generator Area. We understand, Both are in Bidder's scope. Please confirm. 2.	Bidder shall refer "Sec-2-19-DTS_DG set_PSS_ Rev 3" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.

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398	Vol II Sec-2-26-Civil_PSS_Rev 3	15	Diesel Storage Shed	8.11	Diesel storage shed shall be steel structure with single sheet roof and side cladding. Other details shall be as per system requirements and applicable standards and regulations.		It shall be decided during Detailed Engineering.
399	Vol II Sec-2-26-Civil_PSS_Rev 3	15	Transformer Oil Storage Shed	8.12	Transformer oil storage shed shall be steel structure with single sheet roof and side cladding. Other details shall be as per system requirements and applicable standards and regulations.	Please confirm the type and specification of single sheet roof and side cladding.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
400	Vol II Sec-2-26-Civil_PSS_Rev 3	15	High Mast and Street Lighting Foundations	8.13	RCC foundations shall be provided for high mast and street lighting.	Please confirm the Height of High mast tower required & Mini. Qty if any.	It shall be decided during Detailed Engineering. Bidder shall refer clause no 5.5.1 of Sec-2-21-Illumination_PSS_Rev 3. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
401	Vol II Sec-2-26-Civil_PSS_Rev 3	1	SCOPE OF WORK	2.0 (4-q)	q. Septic tanks and soak pits.	We have considered Septic Tank & Soak pit of 25 Users. Please confirm.	It shall be decided during Detailed Engineering. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
402	Vol II Sec-2-26-Civil_PSS_Rev 3	1	SCOPE OF WORK	2.0 (3)	Structural Steel works in 400 kV Pooling Substation.	Please re-confirm the scope & requirement.	It shall be decided during Detailed Engineering. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
403			General			1. Construction Power shall be in scope of Bidder. Please confirm. 2. Please confirm approved source of construction water.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
404			General			1. Construction Power shall be in scope of Bidder. Please confirm. 2. We understand source of Construction power shall be from DG only during initial period of construction. However, GIPCL will help us in getting construction power through local discom. Please confirm.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
405			General			We understand the encumbrance free land shall be handed over to the bidder. Please confirm.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
406			General			We would like to propose for using of Manufacture Sand for all civil works (i.e. Structural & Non-structural purposes) since scarcity of river sand and mining restriction by the Govt. Kindly confirm	It shall be decided during Detailed Engineering. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
407			General			We would like to propose for Fly ash bricks/Lightweight AAC Blocks as an option along with Bunt clay bricks. Please accept our proposal.	It shall be decided during Detailed Engineering. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
408	Vol II Sec-2-26-Civil_PSS_Rev 3	24	False ceiling and Raised Floor:	9.35	Approval of owner is subjected that Contractor shall obtain stability certificate for respective manufacturer. All building material / construction material shall confirm to the best quality specified in the relevant international standards / IS standards.	We have not envisaged Raised Flooring. Please confirm if any.	It shall be decided during Detailed Engineering. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
409	Vol II Sec-2-26-Civil_PSS_Rev 3	24	Substructure finishing	9.34	All substructure or concrete surfaces which are in direct contact of soil and ground water shall be treated as critical and suitable surface protection shall be done to make the concrete durable against effects of acid / alkali soil substances.	We propose the requirement shall be as per Soil Investigation report. Please confirm.	It shall be decided during Detailed Engineering. No change in Tender Conditions. Bidder shall comply with tender conditions.
410	Vol II Sec-2-26-Civil_PSS_Rev 3	23	Furniture, Fixtures and Cabinets.	9.30	Adequate number of furniture, fixtures and cabinets shall be provided in all rooms including pantry.		Furniture, fixtures and cabinets shall be in the scope of the bidder. No change in Tender Conditions. Bidder shall comply with tender conditions.
411	Vol II Sec-2-26-Civil_PSS_Rev 3	26	Furniture / Electrical appliances requirement in Switchgear and GIS building	9.37	.....Contractor shall have to includes all items and prepare a fixture layout drawing showing all the required, necessary and future items in designated room. Dimension of rooms shall be finalized as per relevant IS codes and National building codes: 2016	We have not considered any type of furniture as part of Civil work. Please confirm.	
412			General			We have not envisaged Gate and fencing work inside Boundary wall for switchyard area. Please confirm. Or else please furnish Detail Technical specification of Switchyard Gate and Fencing.	It shall be decided during Detailed Engineering. No change in Tender Conditions. Bidder shall comply with tender conditions.
413	Vol II PSS Layout Dawing		Note No-32		Parking shed	We understand Parking shed shall be for 20 No's of Two wheelers. Please confirm. Further, we have considered Shed type Parking shed. Please confirm.	Bidder shall refer clause No. 6.9 of " Vol II Sec-2-26-Civil_PSS_Rev 3" No change in Tender Conditions. Bidder shall comply with tender conditions.

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414	Vol II Sec-2-26-Civil_PSS_Rev 3	1	SCOPE OF WORK	2.0 (4-r)	r. Service and Potable Water Supply System	We understand Service and Potable Water Supply outside Plant switchyard premises is not in Bidder' scope. Please confirm.	Bidder shall refer Tender clause No. 9.15 of " Vol II Sec-2-26-Civil_PSS_Rev 3" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
415			General			Rain harvesting pit. Please confirm the requirement since, the location is in desert area.	It shall be decided during Detailed Engineering. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
416	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	48	TECHNICAL PARAMETERS	10.0.0 (9)	Type of cooling: ONAN/ONAF	For Rating of 340 MVA, we commend following cooling: ONAN/ONAF/OFAF OR ONAN/ONAF/ODAF	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
417	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	49	TECHNICAL PARAMETERS	10.0.0 (26)	Percentage impedance of nominal tap at 75°C at 170 MVA Base: LV1-LV2 (%) 27 (approx. maximum)	for design feasibility, tolerance on % impedance is required as following: Percentage impedance of nominal tap at 75°C at 170 MVA Base: LV1-LV2 (%) 27 (approx.)	Bidder shall refer Amendment
418	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	36	Special Tests	6.3.0	Dynamic Short circuit tests certificates for test conducted earlier on transformers of similar type and rating shall be furnished for the Owner's review. If Dynamic Short Circuit Test certificate is not available then the ability to withstand dynamic effects of short circuit shall be demonstrated by method (b) calculation and design and manufacture considerations (Section 4.2 of IS: 2026, Part-5). The same shall be further in line with Annexure-A of IS: 2026, Part-5.		No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
419	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	36	Short circuit Testing procedure for transformer with more than two windings	6.3.1	Various fault conditions may be considered for transformers with more than two windings. such conditions are of a more complex nature in comparison with the three-phase short circuit which can be considered the reference case for two-winding transformers. Special testing circuits are often necessary in order to reproduce some of the fault events by means of tests. The choice of the test duties to be performed should be made, as a rule, on the basis of the analysis of the results of calculations of electrodynamic forces occurring in all possible fault cases. The testing arrangements, the current values, the sequence and the number of tests are always subject to agreement between the manufacturer and the purchaser. It is recommended that the tolerance on the agreed test current values and the duration of the tests be in line with those prescribed for two-winding transformers and that the test sequence be selected according to the expected increase of electrodynamic forces.	We understand that if the ability to withstand dynamic effects of short circuit is demonstrated by method (b) calculation and design and manufacture considerations (Section 4.2 of IS: 2026, Part-5), conducting Dynamic Short Circuit Test is not required. Please confirm.	Bidder shall refer clause no 6.3.0 of "Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
420	Vol I Sec 5 SCC_PSS_1 PH-1 and 2_R3	5	WORK COMPLETION PERIOD	7	Taking Over of the Plant 400/33 kV Pooling Substation (GIS) with 02 (Two) nos. 340MVA, 400/33/33kV Power Transformers system, 400 kV GIS Bays and auxiliaries for Phase-I (600MW) of 2375 MW Solar/Wind/Hybrid Renewable Energy Park Project at Great Rann of Kutch, Gujarat shall be 14 months from the date of issue of LOI. The design, engineering, manufacturing, supply, delivery at site, loading, unloading, handling at site, civil construction, erection, testing, commissioning, and Taking over by the owner of 400/33 kV Pooling Substation (GIS) with 02 (Two) nos. 340MVA, 400/33/33kV Power Transformers system, 400kV GIS Bays and auxiliaries of Phase-II shall be 20 months from the date of LOI	We wish to inform you that the supply of the 340MVA, 400/33/33kV Power Transformers itself will take around 12 months from Manufacturing clearance and an additional 1 and half to 2 months for transportation to site. Hence please request for extension of the Project completion of Phase I in line.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
421	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	1	SCOPE OF WORK	2.1.0	Foundation Plinth with rail arrangements	Foundation plinth with rail arrangements shall not in Transformer manufacturer's scope. It shall be in EPC's scope.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
422	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	1	CODES AND STANDARDS	3.0.0 (r & s)	r) "Standard Specifications and technical Parameters for Transformers and Reactors (66 kV & above voltage class)" by CEA in April, 2021. s) "Standard Technical Specifications of Transformer(s) for Solar Park pooling station" by CEA in June, 2021.	Please specify if any specific additional site requirement. Also provide the precedence of the Specifications.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.

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423	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	2	DESIGN CRITERIA	4.5.0	The transformer shall be capable of operating at rated output at any tap position, provided the voltage corresponding to that tap does not vary by more than ±10% of rated voltage. The winding including the tapping arrangement shall be designed such that the electromagnetic balance is maintained between HV and LV1 & LV2 windings at all voltage ratios.	Voltage variation shall be ±10% with respect to normal voltage tap only i.e. at 400 kV and not for all taps. Rated MVA at minimum tap position with further -10% voltage i.e. transformer operating at 340 MVA @ 324 kV voltage is an overloading condition and any loading beyond name plate rating shall be considered as per IS:6600/ IEC 60076-7. Kindly Confirm our understanding is correct.	Bidder shall refer clause no 3.0.0 of "Sec-2-2-DTS_Stepup PT_PSS_Rev 3_Revised."  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
424	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	2	DESIGN CRITERIA	4.11.0	The transformer shall be provided with 'Radiator banks'. The transformer shall be capable of operating continuously under natural cooled condition up to the 80% of its maximum rating. The forced cooling equipment shall come into operation by pre-set contacts of winding.....	Please confirm the ONAN rating, weather it is 80% of 340 MVA i.e. 272 MVA or 204 MVA.	Bidder shall refer Amendment
425	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	48	TECHNICAL PARAMETERS	10.0.0 (10)	ONAN Rating : MVA-204		
426	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	3	DESIGN CRITERIA	4.13.0	Transformers shall withstand, without damage, injurious heating due to the combined voltage and frequency fluctuations which produce the following over fluxing conditions: 110 % continuously 125 % for 1 minute 140 % for 5 seconds Withstand time for 150% & 170% over fluxing condition shall be indicated. Over fluxing characteristics up to 170 % shall be submitted. The air core reactance of HV winding of transformer shall not be less than 20%. External or internal reactors shall not be used to achieve the specified HV/LV or HV/LV1 and HV/LV2 impedances.	We confirm that External or Internal reactor will not be used to achieve the specified HV/LV or HV/LV1 and HV/LV2 impedances, however if core construction is 5 limb and tertiary may be provided then External or Internal reactor can be use.	Bidder shall refer Amendment
427	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	9	CONSTRUCTIONAL FEATURES	5.2.0 (a)	The core shall be constructed from high permeability grade, non-ageing, cold rolled, super grain oriented, silicon steel laminations. CRGO Silicon steel shall be HI-B grade or equivalent.	Super grain oriented term is not clear, we will provide Hi-B or batter grade of CRGO.	Super Grain material is commercially called as HI-B grade also.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
428	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	9	CONSTRUCTIONAL FEATURES	5.2.0 (e)	In order to ensure prevention of multiple core earthing, core isolation test at 10 kV for 1 minute shall be done during pre-commissioning stage. To facilitate above, the core & core earthing has to be done outside the tank with suitable bushing.	This test shall be perform in oil filled conditions.	Bidder shall refer Clause No 3.0.0 of "Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3"  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
429	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	12	CONSTRUCTIONAL FEATURES	5.6.0(i)	To minimise the ingress of moisture, two dehydrating breathers in series of identical size shall be connected to OLTC Conservator.	Please confirm that dehydrating breathers for OLTC is conventional type or maintenance free type.	Bidder shall refer Amendment
430	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	15	CONSTRUCTIONAL FEATURES	5.10.0 (f)	Multichannel Fiber optic temperature monitoring system shall optimize the hot spot measurements for Power Transformer.....	Please specify the no. of probes and no. of channel for the fiber optic sensor. And probes will be provided in LV 1 coil only. (Considered top coil). However FO reading shall be consider as reference only , winding rise to be calculated as per IS 2026 / IEC 60076 during heat run test and same will be consider final value .	It shall be decided during detailed engineering as per clause no 2.0.0 of Sec-1-GTS_PSS_Rev 3_Revised. FOTM system is for reference only.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
431	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	17	CONSTRUCTIONAL FEATURES	5.12.0( c )	For REF protection of transformer 33 kV side bushing CTs and Neutral bushing CTs shall be provided as specified. The CTs shall be cast resin type with class E or better insulation. Secondary leads of CTs shall be wired up to-marshalling box. The CTs secondary leads shall have provisions for shorting.	These CT's areurret mounted and placed inside the transformer tank, hence paper insulated and Class A insulation is adequate. Please accept.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.

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432	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	18	CONSTRUCTIONAL FEATURES	5.14.0 (b)	The Bidder shall furnish all necessary details required for co-ordination with isolated phase bus duct / segregated phase bus duct and shall guarantee matching dimensions within close tolerance	Please provide the busduct temperature for the selection of the bushing rating.	It shall be decided during detailed engineering as per clause no 2.0.0 of Sec-1-GTS_PSS_Rev 3_Revised. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
433	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	36	Special Tests	6.3.0	Dynamic Short circuit tests certificates for test conducted earlier on transformers of similar type and rating shall be furnished for the Owner's review. If Dynamic Short Circuit Test certificate is not available then the ability to withstand dynamic effects of short circuit shall be demonstrated by method (b) calculation and design and manufacture considerations (Section 4.2 of IS: 2026, Part-5). The same shall be further in line with Annexure-A of IS: 2026, Part-5.	We agree to demonstrate the short circuit withstand capability by method (b) calculation and design and manufacturer considerations (Section 4.2 of IS: 2026, Part-5) and in line with Annexure A of IS:2026, Part-5. However as per Annexure A of IS:2026, Part-5, the force and stress values should either be compared with the corresponding ones relating to a reference transformer successfully short circuit tested, on condition that the transformer under consideration is similar or be checked against the manufacturer's design rules for short circuit strength. We shall compare the force and stress values against the manufacturer's design rules for short circuit strength and not with respect to any reference transformer.	Bidder shall refer and comply clause no A-3.3 of IS: 2026, Part-5. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
434	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	38	TRANSPORTATION, RECEIPT, STORAGE, INSTALLATION, PRE-COMMISSIONING AND COMMISSIONING CHECKS	7.0.0	TRANSPORTATION, RECEIPT, STORAGE, INSTALLATION, PRE-COMMISSIONING AND COMMISSIONING CHECKS	Transportaton, receipt, storage, installation, pre-commissioning and commissioning checks are not in transformer manufacturer's scope. It shall be in EPC's scope.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
435	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	49	TECHNICAL PARAMETERS	10.0.0 (26)	Percentage impedance of nominal tap at 75°C at 170 MVA Base HV-LV1 & HV-LV2: % 15 (min. on principal tap) LV1-LV2: % 27 (approx. maximum)	Please confirm weather it is approximate value or maximum value.	Bidder shall refer Amendment
436	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	50	TECHNICAL PARAMETERS	10.0.0 (31)	HV bushing CTs CT ratio Amps 1000/1/1A Accuracy class 5P20/PS class VA Burden VA 15 VA	Please provide the complete details of CT parameters viz. I mag, Rct, knee point voltage etc.	Bidder is requested to refer Note 18 of 400 kV substation SLD of "Vol II 400 kV and 415 V SLD Drawings" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
437	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	3	INTENT OF SPECIFICATION	1.1.0	This specification covers the requirements of 400 kV GIS with 340MVA, 400/33/33kV Step-up Power transformers, 33 kV switchgear, Hybrid Park Control Monitoring System and associated auxiliary systems including civil & structural works for 400/33kV Pooling Substation-1 (1200 MW, Phase-I & Phase-II of 600 MW each) for efficient and trouble-free operation of the 2375 MW Solar/Wind/Hybrid Renewable Energy park at Great Rann of Kutch Area, Gujarat.	Our offer for transformer is based on the specification given as "Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3.pdf"	Bidder shall refer Amendment
438	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	3	INTENT OF SPECIFICATION	1.3.0	The general terms and conditions, instruction to Bidders and other attachments referred to elsewhere be hereby made part of the technical specification. Bidder's offer shall conform to all requirements stipulated in the specification.	Our offer for transformer is based on the specification given as "Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3.pdf"	Bidder shall refer Amendment
439	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	3	INTENT OF SPECIFICATION	1.9.0	In case of any conflicts / contradiction among various clauses / Parts / Appendix / Annexure/chapters / appendices / tender drawings of bid documents, the most stringent requirement shall govern; decision of the Owner shall always be final & binding on the Bidder/Successful bidder. No extra claims shall be allowed on this account.		

**Consolidated Response to Bidder's Queries**

**Reference:**

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440	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	4	INTENT OF SPECIFICATION	1.16.0	.....Presently, the local content requirement to categorize a supplier as 'Class-I local supplier' is minimum 60%.....	Kindly clarify how local content is defined. Whether only the sub-vendors of transformer manufacturer should be considered for evaluating the local content or we need to consider even the vendors of the sub-vendors of transformers.  For eg. if a transformer OEM is purchasing CRGO from an indian sub-vendor, will it be considered as 100% local or since the CRGO supplier is importing the mother coil from their vendor outside India, it will be considered as partly local?	Bidder shall refer the Government orders mentioned in Clause No. 1.16.0 of Sec-1-GTS_PSS_Rev 3_Revised & shall comply with APPENDIX-31: of Vol I Sec 7 List of Appendices_PSS-1_R3.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
441	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	5 to 17	2.0.0 SCOPE OF WORK AND SERVICES 3.0.0 EXCLUSIONS 4.0.0 TERMINAL POINTS 5.0.0 GENERAL REQUIREMENTS 6.0.0 GALVANIZING AND PAINTING 7.0.0 PACKING 8.0.0 QUALITY ASSURANCE & INSPECTION 9.0.0 GUARANTEE 10.0.0 TIME SCHEDULE 11.0.0 DRAWINGS, DATA AND MANUAL 12.0.0 TRAINING		SCOPE OF WORK AND SERVICES 3.0.0 EXCLUSIONS 4.0.0 TERMINAL POINTS 5.0.0 GENERAL REQUIREMENTS 7.0.0 PACKING 8.0.0 QUALITY ASSURANCE & INSPECTION 9.0.0 GUARANTEE 10.0.0 TIME SCHEDULE 12.0.0 TRAINING	Our offer for transformer is based on the specification given as "Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3.pdf"  Further regarding the time schedule, in order to complete the entire work in 14 months for Phase I, two power transformers will have to be dispatched from the factory in 10 months which is very difficult to achieve considering the amount of work involved in manufacturing & the procurement lead cycle of some of the imported raw materials. Hence we request you to kindly accept a completion time of 20 months at least for Phase I and 24 months for Phase II.	Bidder shall refer Amendment  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
442	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	19 to 63	ANNEXURE- B: BILL OF QUANTITY ANNEXURE- C: MANDATORY SPARES ANNEXURE- D: SPECIAL TOOLS ANNEXURE-E: VENDOR LIST		ANNEXURE- B: BILL OF QUANTITY ANNEXURE- C: MANDATORY SPARES ANNEXURE- D: SPECIAL TOOLS ANNEXURE-E: VENDOR LIST	Bill of Quantity: Our scope is only limited to sl. No. 67 to 76 (Phase I) and sl. 8 to 17 (Phase II)  Special Tools are not in transformer manufacturer's scope.  Vendor List - We request you to kindly accept the vendor list that we shall submit in our offer.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
443			General			Kindly provide the transport limitations if any till the site.	Bidder shall refer to clause no 4.0 of "Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3"
444	Vol II Sec-2-1-DTS_Design Aspects_PSS_Rev 3					For establishing power line communication with other ( Remote) end substation, our scope is limited to supply of PLCC panels only and supply of associated equipment i.e wavetrap, CVT at remote end is not our scope. Please Confirm.	Bidder shall refer Clause No 2.0.0 and 4.0.0 of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)" EHV Equipments at Khavda PS-II end is not in scope of Bidder.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
445	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	19	ANNEXURE- B: BILL OF QUANTITY	Sr. No. 13	Online Partial Discharge Monitoring System for 400 KV GIS S/s: Lot 1	We presume that online partial discharge monitoring system is for both phase -1 and phase 2.	Bidder shall refer Clause No 2.2.11 (ii) of "Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3".  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
446	Vol II Sec-2-9-DTS_Tariff Metering Panels_PSS_Rev 3	1	SCOPE OF WORK	2.1.0	Indicative scheme is provided at the end of the specification for a better understanding of location and scope.	Please share the scheme drawing. The same is not attached at the end of specification.	Bidder shall refer Drg. No. FCE-1721125-EL-DWG-SLD-2100-006, Rev.04 of "Vol II 400 kV and 415 V SLD Drawings"  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.

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447	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	19	ANNEXURE- B: BILL OF QUANTITY	Sr. NO. 15	Spare ABT Meters (Duty Tested) for 33 kV system	Please note we have considered that 4 Nos ABT meters (without panel) for 8 Nos 33KV system ( phase 1 and 2 both) shall be considered.	Bidder shall refer Amendment
448	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	20	ANNEXURE- B: BILL OF QUANTITY	Sr. NO. 21	Bus post insulators (AIS)	We understand that bus post insulators for only incoming line bay shall be required. However the same is not reflecting in overall layout shared/ please confirm.	Bidder shall refer Clause No 2.4.0, 5.8.2 of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)" and clause No 2.2.3 , 2.3.0 of "Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
449	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	20	ANNEXURE- B: BILL OF QUANTITY	Sr. NO. 24	Hardware for String Insulators for AIS	Generally , the transmission line side conductor, insulator and necessary hardwares shall be in clients scope of supply.Please confirm.	Bidder shall refer Clause No 3.0.0 and 4.0.0 of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
450	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	20	ANNEXURE- B: BILL OF QUANTITY	Sr. NO. 28	4" IPS AL Bus pipe (AIS)	We understand that for incoming and outgoing feeders no bus pipe is required as per the configuration.please confirm this line item.	Bidder shall refer Amendment
451	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	20	ANNEXURE- B: BILL OF QUANTITY	Sr. NO.39 (b)	For HPCMS system	Please confirm the signal exchange between solar, wind and hybrid substations with central HPCMS system located at PSS substations.	Bidder shall refer " Vol II Communication Architecture Drawing" No change in Tender Conditions. Bidder shall comply with tender conditions.
452	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	10	Indoor GIS System	2.5.0 (i)	Protection & Relay panels shall consist of the following i. Duplicated, decentralized Bus bar Protection Relay panels for Main & Check zones for each 400 kV Bus.	Please confirm if centralised system for bus bar protetcion shall be used instead of decentralised.	Bidder shall refer clause No 2.5.0 of "Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3 " and clause No 4.2.4 (a), 4.2.4 (b) 19 of "Vol II Sec-2-7-DTS_Relay Panels_PSS_Rev 3" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
453	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3		General			Please confirm if NGR shall be considered or not.	Bidder shall refer Clause No 3.1.0 of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)" EHV Equipments at Khavda PS-II end is not in socpe of Bidder. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
454	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	21	ANNEXURE- B: BILL OF QUANTITY	Sr. NO. 49 & 50	49) 1.1kV grade, XLPE insulated armoured FRLS power cables:Lot 1 50) 1.1kV grade, PVC insulated armoured FRLS control cables	Please confirm control cables shall be PVC / XLPE insulated. As per BOQ control cables are PVC insulated and in Technical specification the same is appearing as PVC/ XLPE.	Bidder shall refer Amendment
455	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	21	ANNEXURE- B: BILL OF QUANTITY	Sr. NO. 56	FOTE panel: 01 for PSS-1 end 01 for ISTS S/s end	Please state ISTS full form and where it is located.	Full Form of ISTS is Inter State Transmission System. Bidder shall refer tender clause no. 2.1.0 of " Sec-1-GTS_PSS_Rev 3_Revised" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.

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456	Vol II Sec-2-16-DTS_DC System_PSS_Rev 3					We understand 48 V DC power shall be required for PLCC/ FOTE panel. Specification for the same is not available please confirm.	Bidder shall refer clause No 3.18.13, 8.0.0 II h, 10.0.0 of "Vol II Sec-2-10-DTS_Power line carrier com_PSS_Rev 3"  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
457	Vol II 400 kV and 415 V SLD Drawings					supply for OPGW , Joint boxes and aproach FO cables is not in our scope. Only supply of line differtial realy at our end is envisaged in our scope.	Bidder shall refer Clause No 4.0.0, 2.0.0 of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)" , clause No Part-I 1.0.0 and Part II 3.3.0 of "Vol II Sec-2-10-DTS_Power line carrier com_PSS_Rev 3"  Bidder shall refer Amendment  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
458	Vol II PSS Layout Dawing					Please give the exact co-ordinates for incoming transmission line tower with less than 30deg angle for conductor termination.	PSS contractor shall optimize the overall layout. The Transmission line package is separate and they shall align in line with PSS-1 layout.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
459	Vol II 400 kV and 415 V SLD Drawings					From the SLD it seems that all 33KV switchboards are independents and there is no tie / interconnection between them. Please confirm.	Bidder shall refer Drg. No. FCE-1721125-EL-DWG-SLD-2100-006, Rev.04 of "Vol II 400 kV and 415 V SLD Drawings"  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
460	Vol II PSS Layout Dawing Vol II Sec-2-1-DTS_Design Aspects_PSS_Rev 3	2	DESIGN ASPECTS OF SUBSTATION	3.6.0	The EHV Substation shall be designed considering the following design parameters:  Short time current and duration 63kA for 3 sec.	As per spec, System fault level at 400KV is 63KA for 3 Sec. However, as per CEA recommendation fault level is 63KA for 1 Sec. Kindly confirm. Also in layout fault level is specified as 63KA for 1 sec please confirm the actual requirement.	Bidder shall refer Amendment
461	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3 Vol II Sec-2-12-DTS_HT SWIGR_PSS_Rev 3					Please confrim bus bar material for 33KV and 400KV system	Bidder shall refer clause No 5.2.1 of "Vol II Sec-2-12-DTS_HT SWIGR_PSS_Rev 3" and 7.8.0 of "Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3"  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
462	Vol II Sec-2-26-Civil_PSS_Rev 3	1	SCOPE OF WORK	2.0 -(2 :e)	Storm water drains and interconnection to outside main drains.	We request you to kindly indicate the length of drain to be consider by bidder outside PSS boundary with Plant drain at one or more outfall points	Bidder shall refer Amendment
463	Vol II Sec-2-26-Civil_PSS_Rev 3	1	SCOPE OF WORK	2.0 (4: j)	RCC Fire wall between the transformers (if required).	We Proposed to provide RCC Beam Column type with Brick Filler Fire wall meeting Technical & Fire requirements. Kindly accept our proposal.	It shall be decided during Detailed Engineering.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
464	Vol II Sec-2-26-Civil_PSS_Rev 3	1	SCOPE OF WORK	2.0 (4: r)	Service and Potable Water Supply System	We understand that bidders scope of work as per said clause is limited only for internal Plumbing sanitation & Septic, Soakpit provision only. Bidder's scope excludes Permanent source of water supply or providing extended pipeline connecting to water source. Kindly Confirm our understanding.	Bidder shall refer Tender clause No. 9.15 of " Vol II Sec-2-26-Civil_PSS_Rev 3"  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
465	Vol II Sec-2-26-Civil_PSS_Rev 3	5	Compound Wall	6.4	Compound wall of 2.2 m height above FGL, with 600 mm dia barbed wire concertina wire above, shall be provided around entiresubstation area. Material of construction for compound wall shall be either precast wall panels or masonry with plastering. Wall shall be resting on grade beam which in turn will be resting on columns and foundations. Coping wall shall be provided at top. Both surfaces (internal and external) shall be painted with weather proof paint.	Incase Bidder proposed Precast boundary wall as Specified in Said clause no Coping shall be provided. Kindly confirm'	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
466	Vol II Sec-2-26-Civil_PSS_Rev 3	6	SITE DEVELOPMENT WORKS	6.7	.....Width of main roads in the substation shall be 4.0 m with 1.0 m wide shoulders on both sides.....	Kindly provide the section drawing of Carriage way of 4.0m Also elaborate the details of 1.0m wide shoulders section enabling bidder to consider accordingly.	It shall be decided during Detailed Engineering.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.



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467	Vol II Sec-2-26-Civil_PSS_Rev 3	14	Transformer Yard Foundations	8.7	Transformers shall be founded on RCC foundations with rails on the top and oil soak pits filled with 40mm hard stone aggregate. Jacking pads shall be provided. Size of the soak pit shall be decided based on the transformer details and oil volume....	We understand no grating is required for transformer soak pit. Soak pit shall be filled with gravels. Kindly confirm	It shall be decided during Detailed Engineering. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
468	Vol II Sec-2-26-Civil_PSS_Rev 3	16	COMMON REQUIREMENTS FOR CIVIL WORKS	9.3 (d, e, f)	Minimum thickness of structural elements d) All footings (including raft foundations) 300 mm e) Precast trench cover slabs – indoor 100 mm f) Precast trench cover slabs – outdoor 100 mm	We propose to provide the minimum thickness of Structural elements for d -200mm, e: 50-75mm, f-50-75mm. Kindly Confirm	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
469	Vol II Sec-2-26-Civil_PSS_Rev 3	23	COMMON REQUIREMENTS FOR CIVIL WORKS	9.32	Finishes:The finishes for the buildings be as follows. Flooring with 150mm skirting: Granolithic floor with metallic hardener and two coat of epoxy paint of total DFT of 300 micron over floor. Anti-slip grain to be spread over epoxy paint for slip resistance on designated area of floor walkway.	We propose to provide PU Paint which is usual practice in all utilities tenders for GIS Floor. Kindly accept our proposal	Bidder shall refer Amendment
470	Vol II Sec-2-26-Civil_PSS_Rev 3	25	Preferred vendors for Building materials	9.36		Kindly furnished the PEB Vendor list	Bidder shall refer to ANNEXURE–E: VENDOR LIST of Sec-1-GTS_PSS_Rev 3_Revised. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
471	Vol III R5-GIPCL Contour Survey.part1		General (Contour survey)			We are not able to open the contour survey drawing provided by you. Kindly refurnish the same.	Bidder shall refer <a href="https://www.nprocure.com">https://www.nprocure.com</a> or <a href="https://gipcl.nprocure.com">https://gipcl.nprocure.com</a>
472	Vol III 1 Soil Investigation_Part-1 and Part 2					a) We request your approval for Conducting the pre tender stage Soil investigation. We shall be sharing the details of agency & Manpower for mobilization along with prerequisite information for onward approval from GP/BSF. Kindly support on this.	Bidder shall refer clause no 2.0 of " Vol I Sec 5 SCC_PSS_1 PH-1 and 2_R3" and clause 4.0 of "Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3"
473			General (Pre Bid Soil Investigation)			b) Further the soil testing will take aboutn 4-5 days & hence pl let us know whether the our proposed agency manpower can stay at site with their machineries or drills & other machinery can be left as it is on end of day & next day manpower can remobilize every day to conduct & complete the testing works.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
474	Vol II Sec-2-26-Civil_PSS_Rev 3	25	COMMON REQUIREMENTS FOR CIVIL WORKS	9.36	Preferred vendors for Building materials	Kindly Furnished the Civil & Structural Preferred vendors list of AMNS	Bidder's query is not part of the tender document
475	Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3	18	FACILITIES TO BE PROVIDED BY THE OWNER/ PURCHASER	32.3 32.4	<b>Electricity</b> 32.3.1 As the Project Construction activities cannot be confined to a particular point and non-availability of any STU substation nearby, the Contractor shall arrange the construction power through DG sets to meet their construction need at their own cost. The Contractor shall make his own distribution arrangement to the spots of requirements including required electrical power distribution board with electrical protection including ELCBs. All initial installation and distribution costs for construction power shall be borne by the contractor. Statutory approvals required for DG set and payment of electricity duty shall be in the scope of the Contractor. <b>Water</b> The Contractor shall make his own arrangement for water for erection/construction & drinking purposes (or any other purpose required by contractor).	Construction water & Power shall be free issued by AMNS only tapping from the nearest point as stated in tender documents to be consider by Bidder kindly confirm our understanding	Bidder's query is not part of the tender document

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476	Vol II Sec-2-26-Civil_PSS_Rev 3	23	COMMON REQUIREMENTS FOR CIVIL WORKS	9.32	Finishes	We propose to provide the PU Paint on concrete floor in place of Resin flooring. Kindly accept our proposal	Bidder's query is not part of the tender document
477			General			220kv GIS Building shall be PEB with either color coated TCT sheet or sandwich puff panle between SMP Coated sheet. Kindly Confirm our understanding. No Glazing is envisaged & No ACP Panels shall be provided. Kindly Confirm. The PEB will be similar to PGCIL TS Specs & widely used in Substation project as per Current industries practices.	Bidder's query is not part of the tender document
478			General			We understand that Soil detail provided along with tender documents & addendum to be followed for Civil design in the event of order by successful bidder. No Fresh soil investigation to be carried out for MRSS-1, MRSS-2, BPRS, MRSS3 & EPTCL site. Kindly confirm our understanding	Bidder's query is not part of the tender document
479			General			We request you to kindly furnish GPR Survey or Digital Mapping for Underground Structure enabling us to understand and take necessary precaution during excavation of foundation & any re routing work	Bidder's query is not part of the tender document
480			General			Our scope of work excludes any kind of Underground Modifiaton, Re routing of Pipeleines or water drainage or any Hot lines or Piping etc. The said scope shall be in AMNS's part of work. Kindly Confirm	Bidder's query is not part of the tender document
481			General			We understand that Bidder's scope excludes any kindly of Boundary wall construction. The scope of work is only limited to construction of Fencing as per Addendum-1 & 2. Kindly confirm our undrestanding	Bidder's query is not part of the tender document
482			General			Bidder's scope is limited to Technical support viz drawing Or layout submission only. All further approval shall be in AMNS's Scope of work.	Bidder's query is not part of the tender document
483	Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3	47	PRICE ESCALATION	80.1	The rate(s) quoted against the work shall remain firm during the entire Contract period.	Request to please provide Price Variation for Transformer, Structure includes civil, Cables based on IEEMA formula. We have attached Transformer PV formula for the reference.	Bidder shall refer Amendment
484	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	1	SCOPE OF SUPPLY & WORK	2.1.0	.....In case bus disconnecter is part of busbar then intermediate compartment should be provided between every bay including bus VT to perform rectification activities keeping adjacent bays in service.....	Understand this clause is not applicable as per SLD shared by GIPCL with the tender and the disconnecter should not be a part of Busbar. Pls confirm our understanding.	As shown in "Vol II 400 kV and 415 V SLD Drawings" bus disconnectors are to be provided. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
485	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	2	Indoor GIS System	2.2.1 (d)	Surge arrestors at GIS bus bars if deemed necessary based on power system studies during detail engineering.	Understand present offering should be withou Surge arresters on busbar. In case required during detailed engineering, same shall be against price compensation. Pls confirm our understanding.	Bidder shall refer following Clauses of Tender A. Clasue no 2.4.0 and 2.5.0 of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)" B. Clause no 2.2.1 d) of "Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.

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486	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	2	Indoor GIS System	2.2.1 (i)	End Piece (Interface) module with the test link for future extension of Bus bar module. The end piece module shall be designed in such a way so that future GIS modules may be tested without extending voltage to existing bus by removing the test link. The end piece module shall be provided on the sides wherever the future extension is envisaged.	Understand that future extension is to be considered on one side of busbar only. Pls confirm.	Future Extension shall be proposed by Bidder on either side or on both side based on design optimization during detailed Engineering and accordingly End Piece (Interface) module with the test link for future extension wherever future extension bays shall be provided.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
487	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	13	DEGREE OF PROTECTION	6.0	Degree of protection for various enclosures as per IS: 13947 shall be considered.	The degree of protection of enclosures shall be shall be as per IEC standards. Hope the same is acceptable.	Bidder shall refer Amendment
488	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	14	DESIGN & CONSTRUCTION REQUIREMENTS FOR 400 kV GIS SYSTEM	7.3.0	Gas enclosures shall be designed to withstand high vacuum by provision of suitable reinforcement(s) at all the required locations. The gas filled enclosures shall conform to relevant pressure vessel code of ANSI/IEC	We would like to inform that, Enclosures are in line to CENLEC standards. Hope the same shall be acceptable.	Bidder shall refer Amendment
489	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	14	DESIGN & CONSTRUCTION REQUIREMENTS FOR 400 kV GIS SYSTEM	7.8.0	The bus bars shall be rated for the duty specified and current rating shall be derived considering maximum possibilities	The busbars shall be rated at 3150A as per SLD. Pls confirm our understanding.	Bidder shall refer clause no 2.4.0 and 2.5.0 of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)".  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
490	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	14	DESIGN & CONSTRUCTION REQUIREMENTS FOR 400 kV GIS SYSTEM	7.9.0	.....The Painting shall be done considering saline atmosphere C5-M zone as per "ISO- 12944" for very high saline zone.	We understand that as per general practice in India for Indoor GIS, paint shade for C4 zone is sufficient. Request to accept the same.	No change in Tender Conditions. Bidder shall comply with tender conditions.
491	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	14	DESIGN & CONSTRUCTION REQUIREMENTS FOR 400 kV GIS SYSTEM	7.10.0	.....The enclosures shall meet the pressure vessel requirement as per ASME or equivalent.....	We would like to inform that, Enclosures are in line to CENLEC standards. Hope the same shall be acceptable.	Bidder shall refer Amendment
492	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	17	CONTROL & AUXILIARY POWER SUPPLY	11.3.0	Separate circuits with switches, fuses, etc. of adequate rating shall be provided for control of space heater, lighting and power receptacle. Theses shall be on 240 V, ph AC supply, unless specified otherwise.	Our GIS is suitable to operate on control voltages of 220 V DC only. Hope the same is acceptable.	Bidder shall refer Amendment
493	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	18	LOCAL ALARM/ANNUNCIATION	16.1.0	Window type alarm annunciation shall be provided on local control panels of each bay for the specified abnormal conditions.....	The alarm annunciation shall be LED type as per our type tested design. Hope the same is acceptable.	Bidder shall refer Amendment
494	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	21	LIST OF TESTS TO BE CONDUCTED FOR 400 KV GIS PACKAGE	22.0.0	LIST OF TESTS TO BE CONDUCTED FOR 400 KV GIS PACKAGE	In line with the CEA guideline, we shall be submitting the type test reports of our parent / collaborator company of tests conducted as per IEC and hence repetition of type test is not envisaged. Hope the same is acceptable.	PI refer Clasuse No 2.2.1.2 (ii) (2) "Vol I Sec 2 ITB_PSS_1 PH-1 and 2_R3"  No change in Tender Conditions. Bidder shall comply with tender conditions.
495	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	17	FUSES (if required)	10.2.0	Fuses shall be provided with visible operation indicators to show that they have operated.	Operation indicator shall be provided in LCC as per our design. Hope the same is acceptable.	No change in Tender Conditions. Bidder shall comply with tender conditions.
496	Vol II Sec-2-4-DTS_400 kV GIS Equipment_PSS_Rev 3	1	Rating	3.1.0 (h)	3.1.0 400 kV Circuit Breaker h) Rated closing time: Not more than 45 ms	The rated closing time of CB shall be <60 ms.	Bidder shall refer Amendment

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497	Vol II Sec-2-4-DTS_400 kV GIS Equipment_PSS_Rev 3	2	OPERATIONAL REQUIREMENTS	4.1.0	4.1.0 Rated Operating Duty Cycle O-0.3 sec. – CO- 1 min- CO	Rated Operating Duty Cycle shall be O-0.3 sec. – CO- 3 min- CO. Request to accept the same.	Bidder shall refer Amendment
498	Vol II Sec-2-4-DTS_400 kV GIS Equipment_PSS_Rev 3	4	DESIGN AND CONSTRUCTIONAL FEATURES	5.5.6- v	Hydro-spring Drive mechanism: (v) The Mechanism shall be such that the opening and closing of contacts shall take place through common spring. The transfer of energy for operation may take place through oil.	The mechanism shall be housed in a dust proof cabinet and shall have IP: 54 degree of protection.	Better specifications are acceptable. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
499	Vol II Sec-2-4-DTS_400 kV GIS Equipment_PSS_Rev 3	4	DESIGN AND CONSTRUCTIONAL FEATURES	5.6.0	Multi-break interrupters shall have uniform voltage distribution across them.	Understand this is not applicable as multi-interrupter breakers are not envisaged.	In case bidders propose Multi-break interrupters based on system requirement during detailed engineering than Multi-break interrupters shall have uniform voltage distribution. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
500	Vol II Sec-2-4-DTS_400 kV GIS Equipment_PSS_Rev 3	13	INSTRUMENT TRANSFORMERS	E 3.2.0-i	Current Transformers: (i) Rated Primary Current-As required. For Line CT, PS Class core and tariff metering core, Secondary Amp (1A or 5A), ratio, knee point voltage, VA Burden, ISF, ALF etc. shall be same as Khavada-II, PS	Request to share the parameters of Current transformer to be considered	Bidder is requested to refer Note 18 and 19 of 400 kV substation SLD of "Vol II 400 kV and 415 V SLD Drawings" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
501	Vol II Sec-2-4-DTS_400 kV GIS Equipment_PSS_Rev 3	15	DESIGN AND CONSTRUCTION FEATURES	E 4.2.0	Voltage Transformers	Request to share the parameters of Voltage transformer to be considered	Bidder is requested to refer Note 18 and 19 of 400 kV substation SLD of "Vol II 400 kV and 415 V SLD Drawings" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
502	Vol II Sec-2-4-DTS_400 kV GIS Equipment_PSS_Rev 3	16	INSTRUMENT TRANSFORMERS	E 4.2.6	For Tariff metering core (0.2) of voltage transformer separate (dedicated) secondary terminal box shall be provided with required sealing arrangements / facility as per requirement of concerned authorities. The terminal box shall be tamper proof in all respect. Cables for VT secondary from each phase of VT shall be directly connected to tariff metering panel (i.e. no intermediate marshaling box / any other junction box etc. is permitted). VT (0.2) class shall be with manual selector switch for each tariff meters. The 0.2 class VT shall be tested from NABL accredited lab.	We shall conduct the testing in sub vendor testing laboratory. We can co-ordinate the witness of this tests by inspecting engineers if required. Request to accept.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
503	Vol II Sec-2-4-DTS_400 kV GIS Equipment_PSS_Rev 3	3	DESIGN AND CONSTRUCTIONAL FEATURES	A- 5.0.0	DESIGN AND CONSTRUCTIONAL FEATURES	As per prevailing practice in Indian market, in view of challenges and complexities pertaining to repair/replacement, maintenance and future extension of Vertical design Circuit breaker, we understand that the requirement for 400 kV GIS is for horizontal circuit breaker only. Pls confirm.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
504	Vol II PSS Layout Dawing		400 kV GIS Layout PSS-1		400 kV GIS Layout PSS-1 Dwg. No. FCE-1721125-EL-DWG-LAY-2100-015	Request to calrify for Bay no. 407 and 408, whether we are required to supply indoor GIB or not along with Bay equipments.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
505	Vol II PSS Layout Dawing		400 kV GIS Layout PSS-1		400 kV GIS Layout PSS-1 Dwg. No. FCE-1721125-EL-DWG-LAY-2100-015	Pls confirm the delivery of bay no 407 and 408.	Bidder shall refer Annexure-B Phase-I Item No 1, Item No 2 , Phase-2 Item no 1 and clause no 10.0.0 of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
506	Vol I Sec 5 SCC_PSS_1 PH-1 and 2_R3	6	DELAY IN COMPLETION OF WORK PERIOD	8.2	.....In case the Supplier delays the supply of spares beyond the scheduled date, then the Owner shall recover as liquidated damages, a sum of 0.5% (zero point five percent) of the contract price of spares for each completed week of delay subject to a maximum of 10% (ten percent) of contract price for the spares.....	Request for deletion of LD on supply of spares	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
507	Vol I Sec 5 SCC_PSS_1 PH-1 and 2_R3	7	DELAY IN COMPLETION OF WORK PERIOD	8.8	In case further slippage is observed in the progress of Project activities, as per agreed time schedule or failure by EPC Contractor, at any stage of the Contract, to perform the Contract diligently to fulfil his obligations as per the EPC Contract, GIPCL reserves the right to engage any other Contractor(s)/sub-contractor(s) at any time, at the risk and cost of the EPC Contractor to ensure completion of the Project activities in line with the agreed time schedule. Further, GIPCL will also deduct Liquidated Damages (LD) arising out of any such delay, if any, as per the terms of this tender document or recover the costs, expenses, losses, damages incurred or suffered by GIPCL as per the recourse available under this tender document or any other law for the time being in force.	Please clarify that liquidated Damages shall be sole and exclusive remedy available to the Owner for the delay by the Contractor. Upon exhaustion of LD limit Owner shall be entitled to avail the right of Risk purchase	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.

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508	Vol I Sec 5 SCC_PSS_1 PH-1 and 2_R3	17	PENALTY FOR POOR PERFORMANCE	32	PENALTY FOR POOR PERFORMANCE	Request for providing an overall cap to the PENALTY FOR POOR PERFORMANCE i.e. 5% of the total contract price	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
509	Vol I Sec 5 SCC_PSS_1 PH-1 and 2_R3	18	MISCELLANEOUS	36.3	The Contractor shall take care of all statutory, local clearance, approvals, etc.	Please clarify that GIPCL shall acquire and pay for all permits, approvals and/or licenses from all local, state or national government authorities or public service undertakings which such authorities or undertakings require GIPCL to obtain them in the GIPCL's name, are necessary for the execution of the Contract Agreement (they include those required for the performance by both GIPCL and the Contractor of their respective obligations under the Contract Agreement)	Bidder shall refer clause no. 4.0 of Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3 No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
510	Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3	24	LIQUIDATED DAMAGES FOR DELAY IN COMPLETION	25.1	....If the Contractor fails to perform the work within the time specified in the contract or any extension thereof the Company shall recover from the Contractor as liquidated damages a sum of zero point five percent (0.5%) of the total contract price plus applicable GST for each completed week of delay. However, the total liquidated damages shall not exceed 10% of the total contract value plus applicable GST....	Please clarify that LD shall be applicable on the delayed portion of contract price and applicable where the delay is for the reasons solely caused due to the contractor.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
511	Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3	28	WARRANTY	36.1	The Contractor shall warrant that the equipment/Goods supplied will be new unused and of most recent or current models and incorporate all recent improvements in design and materials unless provided otherwise in the Contract and free from defects in material and workmanship for a period of twelve (12) calendar months commencing immediately upon the issue of Taking Over Certificate by GIPCL of the 400/33 kV Pooling Substation (GIS) with 04 nos. 340MVA, 400/33/33kV Power Transformers along with associated civil works (Phase-I& II) of 2375 MW Solar/Wind/Hybrid Renewable Energy Park.....	Please clarify that warranty period shall be 18 months from the date of last major supply or twelve (12) calendar months commencing immediately upon the issue of Taking Over Certificate by GIPCL, whichever is earlier.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
512	Vol I Sec 1 NIT_PSS_1 PH-1 and 2_R3	6	TABLE B: IMPORTANT AMOUNTS	Sr. No. iv	Performance Bank Guarantee (PBG) for Power Transformer and Gas Insulated Switchgear (GIS): The Contractor shall furnish Performance Bank Guarantee (PBG) equivalent to 3% (three percent) of the Contract Value within 30 days before expiry of Defect Liability Period. The validity period of Security Deposit cum PBG should be for a total period up to 60 months from the date of Taking over of the 1200MW PSS-1.	We understand that Warranty Period for Transformer & GIS is also twelve (12) calendar months commencing immediately upon the issue of Taking Over Certificate by GIPCL. Kindly clarify the need for PBG valid upto 60 months from Taking over for GIS & Power Transformer.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
513	Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3	28	SETTLEMENT OF DISPUTES / ARBITRATION	33.1	All matters, questions, disputes, differences and / or claims arising out of and / or concerning, and /or in connection with, and /or in consequence of, and /or relating to this contract which may arise between the parties in connection with the Contract or any matter arising out of or in relation thereto shall be reported to Gujarat Public Work Contract Dispute Arbitration Tribunal and provision of Gujarat Public Work Contract Disputes Arbitration and Tribunal Act 1996 shall be applied as updates time to time.	Please clarify that all matters, questions, disputes, differences and / or claims arising out of and / or concerning, and /or in connection with, and /or in consequence of, and /or relating to this contract which may arise between the parties in connection with the Contract or any matter arising out of or in relation thereto shall be referred to and finally resolved by arbitration in accordance with provisions of the Indian Arbitration and Conciliation Act, 1996 ("Act"),	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
514	Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3	29	WARRANTY	36.3	If it becomes necessary for the Contractor to replace or renew/ rectify any defective portions of the plant/ defective work executed under this clause, the provisions of this clause shall apply to the portions of the plant so replaced or renewed/ rectified until the expiration of twelve (12) months from the date of such replacement or renewal/ rectification. If any defects are not rectified within a reasonable time, the Engineer may proceed to do the work at the Contractor's risk and cost, but without prejudice to any other rights which the Owner may have against the Contractor in respect of such defects.	Please clarify that in case of any problem within warranty period, warranty shall be extended for 2 years (which include primary defect liability period plus defect liability period of any re-performance, correction, repair, rectification, replacement with respect to any material, components or supplies).	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
515	Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3	33	Owner's Responsibilities	43.3 (b)	Contractor's Responsibilities The Contractor shall arrange, at his (Contractor) own cost, for training abroad as below: b. arranging lodging and boarding including local transportation for the Owner's personnel from their arrival abroad to the date of their departure.	Please clarify that all travelling and living expenses for the engineering personnel to be trained during the total period of training will be borne by the OWNER/PURCHASER.	The Tender clause is self explanatory. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
516	Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3	35	GUARANTEE	45.1	The guarantee shall be for a period of 12 calendar months and 60 months for the critical equipment e.g. transformer and GIS commencing immediately on Taking Over of the plant & acceptance by GIPCL and shall be furnished as said above in clause 9.0. GCC (Security Deposit cum Contract Performance Guarantee)....	Please clarify that guarantee period shall be 18 months from the date of last major supply or twelve (12) calendar months commencing immediately upon the issue of Taking Over Certificate by GIPCL, whichever is earlier.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
517	Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3	35	GUARANTEE	45.6	Provision of this clause shall also apply to all materials repaired or replaced under the provision of this until the expiration of period of twelve (12) months from the date of such replacement.	Please clarify that in case of any problem within guarantee period, guarantee shall be extended for 2 years (which include primary defect liability period plus defect liability period of any re-performance, correction, repair, rectification, replacement with respect to any material, components or supplies).	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.

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518	Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3	36	DEFENSE OF SUITS	47.1	If any action in courts is brought against the Owner/Purchaser or Owner or an officer or agent of the Owner/Purchaser, for the failure or neglect on the part of the Contractor to perform any acts, matters, covenants or things under the Contract or for damage or injury caused by the alleged omission or negligence on the part of the Contractor or in connection with any claim based on lawful demands of sub-contractors, workmen, suppliers or employees, the Contractor shall in all such cases indemnify and keep the Owner/Purchaser and the Engineer and or his representative harmless from all losses, damages, expenses or decrees arising such action.	In the event of any claim being made against the Owner arising out of the matters referred to in and in respect of which the Contractor may be liable under this Clause, the Contractor shall be promptly notified thereof, and may at his own expense conduct all negotiations for the settlement of the same and any litigation that may arise therefrom. The Owner shall not, unless and until the Contractor shall have failed to take over the conduct of the negotiations or litigation, make any admission which might be prejudicial thereto. The conduct by the Contractor of such negotiations or litigation shall be conditional upon the Contractor having first given to the Owner such reasonable security as shall from time to time be required by the Owner to cover the amount ascertained or agreed or estimated, as the case may be, of any compensation, damages, expenses and costs for which the Employer may become liable. The Owner shall, at the request of the Contractor, afford all available assistance for any such purpose and shall be repaid all reasonable costs incurred in so doing	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
519	Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3	36	LIMITATIONS OF LIABILITIES	48.1	Under the contract, the contractor shall be responsible for any loss or damage to the plant until the plant is taken over by the Owner in accordance with the contract. The contractor shall be responsible for making good the damage or loss by way of repairs and or replacement of the portion of the works damaged or lost. The transfer of title shall not in any way relieve the contractor of the above responsibilities.	Please clarify that the Contractor's indemnity damage to Plant shall be limited to the extent caused by the negligence of Contractor, its other subcontractors, employees, officers or agents.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
520	Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3	37	LIMITATIONS OF LIABILITIES	48.3	Provided that the Contractor shall not be eligible under the contract for any loss of profit or loss of contracts or any claims made against the Owner not already provided for in the contract, nor for any damage or injury caused by or arising from acts of the Owner or of others (save as to damage by fire, as hereinafter provided) due to the circumstances over which the Contractor has no control nor shall his total liability for loss, damage or injury exceed the total value of the contract.	Please clarify that in no event either party shall be liable, whether in contract, tort, or otherwise for any consequential, special, indirect, exemplary or incidental damages, and/or for any lost profits, goodwill or revenues arising under or in connection with the Agreement and whether or not such damages are foreseeable.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
521	Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3	40	SECRECY	56.0	SECRECY	Please clarify that Confidentiality Obligation shall be mutual and shall be limited to 3 years after the termination of the Agreement	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
522	Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3	46	TAKING OVER	77.1	Upon successful commissioning followed by completion of Operational Acceptance Test (OAT), completion of Performance Guarantee (PG) test and acceptance of PG test by the owner, attending all Punch points to the satisfaction of owner/GIPCL & all contractual obligations fulfilled, the Owner shall issue a Taking Over Certificate (as per Appendix-32) as a proof of the final acceptance of the equipment. Such certificate shall not unreasonably be withheld nor will the Owner/Purchaser delay the issuance thereof, on account of minor omission or defects which do not affect 'Commercial Use' and/or cause any serious risk to the equipment. However, besides that specified conditions governing the period under guarantee, additional conditions may be imposed and agreed to between the Owner for assured fulfillment of contractual obligations.	Request to please clarify deemed : Upon commissioning the Goods, the Purchaser shall within (fourteen) 14 days issue an acceptance certificate to the Contractor and take-over of the Goods and the site, provided the Contractor has completed any major punch list items notified by the Purchaser and submits a notification requesting taking-over. In the event, the Purchaser fails to issue the acceptance certificate as above, the taking-over/commissioning of the Goods and/or Services shall be deemed to have been achieved as on the date of notification of the Contractor. If this deemed acceptance clause, applies in a project the following consequences shall flow from its application: -any payment milestone that relates to the provisional acceptance or completion of the Goods and/or Services shall become due and payable by the Purchaser upon submission of an invoice for the same according to the Contract; -any obligation of the Contractor in relation to bonds/guarantees shall be reduced or shall expire; -any liability of the Contractor for delay and/or liquidated damages for delay that are tied to the provisional acceptance of the Goods shall cease to accrue; and -the Contractor shall support the Purchaser during the commissioning of the Goods, provided that the Contractor has received the payments for provisional acceptance prior to supporting during the commissioning.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
523	Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3	49	PURCHASER-INITIATED CHANGES IN WORK	86.2.5	If the purchaser and the contractor cannot reach agreement on the price for change, an equitable adjustment to the time for completion, or any other matters identified in the change proposal, the purchaser may nevertheless instruct the contractor to proceed with the change by issue of a "Pending Agreement Change Order"....	Please clarify that any change order(s) exceeding the aggregate value of 5% of Contract price shall be subject to mutual agreement between the parties and Consultant shall not be obliged to proceed with the change order request, pending such agreement	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
524	Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3	51	CHANGES IN APPLICABLE LAWS	86.1	In the event any change in applicable Laws, applicable Permits or the technical requirement of this Contract entitles Contractor to a Change Order pursuant to this Section. Contractor's obligation to perform the work in compliance with such applicable Laws, Applicable Permits or the technical requirements of this Contract shall be subject to Purchaser's execution of such Change Order.	Please clarify that in the event of change in law, Contractor shall be entitled for suitable time extension and cost compensation.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
525	Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3	20	DEFECT LIABILITY	35.1	If the Facilities or any part thereof cannot be used by reason of such defect and/ or making good of such defect, the Defect Liability Period of the Facilities or such part, as the case may be, shall be extended by a period equal to the period during which the Facilities or such part cannot be used by the Company because of any of the aforesaid reasons. Upon correction of the defects in the Facilities or any part thereof by repair/ replacement, such repair/ replacement shall have the defect liability period of eighteen (18) months from such replacement.	Please clarify that in case of any such problem within defect liability period, defect liability shall be extended for 2 years (which include primary defect liability period plus defect liability period of any re-performance, correction, repair, rectification, replacement with respect to any material, components or supplies).	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.

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526			General: New clause proposed: Suspension by Contractor			In case payment of invoices by Owner is delayed or any material breach of contract by Owner, Contractor shall be entitled to suspend performance and delivery. Any cost incurred by the Contractor in relation to such suspension shall be paid by Owner. The delivery date shall be extended for a period equal to the time lost by reason of suspension. In the event of the suspension continuing for more than 60 days, then the Contractor may terminate the contract by issuing 30 days written notice. Upon such termination, the Contractor shall be entitled to the costs of the work already completed and work in progress.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
527			General: New clause proposed: COVID-19			The Parties are aware of the current worldwide outbreak of a Coronavirus (commonly known as COVID-19) or any mutation of such virus which is or may impact normal business and execution of this Contract. Contractor shall be entitled to cost compensation, time extension, or other reasonably required contract adjustments, if any consequences whether directly or indirectly resulting out of, or in connection with the coronavirus outbreak, lead to delays in delivery of goods or provision of services or otherwise affect Contractor's contractual obligations or duties. Contractor hereby reserves the right to amend the delivery, the price, the scope and the other terms and conditions of contract set out in this offer due to the current epidemic of novel coronavirus outbreak. Notwithstanding anything to the contrary, the forgoing paragraph is deemed to be incorporated into any subsequent concluded contract.	Bidder shall refer to clause no 28.0 of "Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3". No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
528			General: New clause proposed: Extension of Time			Contractor shall be entitled to a reasonable extension of time for the performance of its obligations to perform the Works where any of the following causes a delay: a. Variations in scope of obligation of the Contractor; b. changes in law or any delays of any government or statutory; c. Suspension or delays caused for the reasons not attributable to Contractor; d. Any delays caused by Owner or other contractor of Owner e. Any Unforeseen conditions obstructing progress of works;  Upon occurrence of any or all of the above, Contractor shall be entitled for the following: (1) extension of time to the extent of period of delay, and (2) the any amount of such additional costs shall be added to the Contract Price	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.

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529			General: New clause proposed: Electronic Component Shortage			For the purpose hereof, (i) "Event" means the current military invasion from Russia in the Ukraine and any other or further military conflict which may arise in connection therewith or as a result thereof and any economic and other sanctions imposed by, amongst others, EU and USA against Russia and Belarus in connection with the Russia/Ukraine conflict. This can lead not exclusively to price increases, transportation and logistics constraints, shortages /prices increase in the procurement of products and commodities (e.g. cooper, aluminium, steel, oil and gas); (ii) "Electronic Component Shortage" means the continuing global shortage of microchips, including but not limited to Field Programmable Gate Array, known as FPGA and the component called Spartan 6 among others, or apparatus or components which include microchips. The Parties acknowledge that the consequences of the Event and/or the Electronic Component Shortage is affecting or may have an adverse impact on the Contractor's ability to perform its Contract. If consequences of the Coronavirus, the Event and/or the Electronic Component Shortage continue affecting, will or may have an adverse impact on the Contractor's ability to perform the Contract in accordance with its terms, the Parties shall, if so requested in writing by the Contractor, negotiate in good faith and agree without delay reasonable amendments to the terms and conditions of the Contract, including, but not limited to, revisions of the Time Schedule and/or any increase in the Contract Price	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
530	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	6	SCOPE OF WORK AND SERVICES	2.2.0 (d)	Redundant GPS for Time Synchronizing all the Systems in the Hybrid Park on NTP protocol	All the systems will be in SNTP protocol. Kindly accept	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
531	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	6	SCOPE OF WORK AND SERVICES	2.2.0	Optional price to be provided by bidder for the following items: c) Line Differential Relay & Distance Relay and associated items at CTUIL / ISTS substation for GIPCL incoming 400 kV Transmission Line.	Do we need to give Additional relays and its associated items for remote end Substation as a loose supply. Kindly confirm.	Bidder shall refer Amendment
532	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	6	SCOPE OF WORK AND SERVICES	2.2.0	Optional price to be provided by bidder for the following items: d) PMU & PQM at CTUIL / ISTS substation for GIPCL incoming 400 kV Transmission Line.	Do we need to give Additional at remote end Substation too as a loose supply. Kindly confirm.	Bidder shall refer Clause No 4.1.17 if "Vol II Sec-2-29-DTS_PQM_PSS_Rev 3" and 2.10.0 of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
533	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	19	ANNEXURE- B: BILL OF QUANTITY	Sr. No. 11	Relay panel with numerical relay(Separate panels for Main-I and Main-II protection of each bay)	We would like to inform that both Main -I & main-II will comes single panel. Hope same is acceptable, kindly confirm.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.



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534	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	55	ANNEXURE-E: VENDOR LIST	Sr. No. 72	Enclosures for control and relay panels, control panels, relay panels, RTCC panels, NIFPS electrical panels, LCC , SAS panels, ABT meter panels, PLCC, FOTE, FODP, Battery charges, UPS , HPCMS, CCTV , CVT JB, Fire Panels, Weather Station Panel / JB etc.: a) Rittal	We would like to clarify that Panel will be from Hitachi Energy approved make for all inhouse products like CRP, SAS, PLCC & FOTE.	Bidder shall refer "NOTES" (Page-62 & 63 of 64) of ANNEXURE-E: VENDOR LIST of Sec-1-GTS_PSS_Rev 3_Revised.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
535			General			Request you to share the details of remote end substations alongwith line between Local end & remote end substation.	Bidder shall refer Clause No 2.10.0 of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)". 400 kV transmission line between GIPCL PSS-1 to CTUIL KPS-II is approximately 11 KM long.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
536	Vol II Sec-2-1-DTS_Design Aspects_PSS_Rev 3	6	LAYOUT ASPECTS	4.15.0	33kV Switchgear (AIS) PEBs shall have cable trench and false ceiling.	Request to check requirement and possibility of removal of False Ceiling for 33kV switchgear Prefab Building.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
537	Vol II Sec-2-1-DTS_Design Aspects_PSS_Rev 3	6	LAYOUT ASPECTS	4.17.0	Indicative conceptual layout of GIS building and Substation control building is shown in the attached tender drawings. Bidder shall check adequacy of building size and if increased room size is required to accommodate various equipment, the same shall be provided with no cost implication to the Owner.	Please confirm that complete GIS Building as single storied construction & without any cable cellar . Optimisation of Building size is allowable during detail enegineeing stage fulfilling the contractual requirement. We are requesting to share the Autocad layout of Overall Layout with building for our reference of further estimation & checkeing .	Bidder shall refer clause no 19.2.0 of "Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3" and refer amendment
538	Vol II Sec-2-1-DTS_Design Aspects_PSS_Rev 3	6	LAYOUT ASPECTS	4.18.0	Any change in location of the control building and orientation of the control building shall have no cost implication to the Owner.	Please confirm that there will be no change in 400kV Line orientation & 400kV Line dead end Tower location to be adjusted to match the Gantry location of GIS substation for termination maintaining deviation anage as defined in techical specification. In Layout representation Tower to Gantry connection is not suitable & Tower location to be rearranged suitably.We are requesting to share the Autocad layout of Overall Layout with building for our reference of further estimation & checkeing .	The Transmission line is along the east side of the PSS and Transmission line package/Tender is separate. Further, Transmission line contractor shall align in line with PSS-1 layout.  Bidder shall refer Amendment.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
539	Vol II Sec-2-1-DTS_Design Aspects_PSS_Rev 3	7	APPROVAL AND COMPLIANCES FOR FIRST TIME CHARGING	6.0.0	For First Time Charging (FTC) approval and compliances the following shall be taken into consideration by the EPC contractor in their offer. Bidder shall consider the POSOCO ("Procedure for First Time Charging / Energization (FTC) and Integration of New or Modified Power System Element" dated June, 2020) & CERC guidelines or, any latest related guidelines in this regard for submission of documents / process of FTC.	Technical document support related to the substation scope only for first time charging relevant will be provided by Bidder. However, taking any cleranace/approval from any government authority is not considered in our scope. Please confirm.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
540	Vol II Sec-2-3-DTS_400 kV GIS SWGR_PSS_Rev 3	8	Indoor GIS System	2.2.13	Electric Overhead Travelling (EOT) Crane	Single Girder Crane is considered for 400kV GIS Hall application . Capacity of the crane shall be 6 Ton as defined in specification.	Bidder shall refer Amendment
541	Vol II Sec-2-30-DTS_Capacitor_PSS_Rev 3	1	INTENT OF SPECIFICATION	1.0.0	This section covers the requirements of 33kV HT Fixed Capacitor Bank with allied equipment.	400/33kV substation is allocated for renewable/Solar Plant connectivity so Powe factor will always be better side. We have not clarity of technical requirement of mentioned side/capacity of Capacitor Bank. Request to recheck on Capacitor Bank requirement.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
542	Vol II Sec-2-20-Earthing_PSS_Rev 3	5 4	Earthing System	3.1.50 3.1.34	Chemical Compound (Backfill material)  Copper bonded earth electrode (with minimum 250 micron copper uniform coating, the copper used shall be type DHP alloy No 122 CDA, 99.5% copper) having required diameter and 3000 mm length.....	Resistivity of the Substation area is less than 10 Ohm-m as per shared Soil Resistivity report so there is no need of copper bonded steel rod, chemical back fill compound for Earth Electrode & main gound grid rod sorrounding. Request to confirm. We will ensure resistance of overall earth grid 1 Ohm as mentioned in specification.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
543	Vol II Sec-2-21-Illumination_PSS_Rev 3	4	TECHNICAL REQUIREMENTS	4.16.0	AC lighting panels shall comprise 63A TPN MCB as incomer and required number of 10kA, 20A rated SPN MCB as outgoing feeders. Moreover, it will consist necessary components e.g. Normal supply failure sensing, auxiliary contactors for auto supply change over scheme from normal to emergency (UPS) supply.....	Normal Lighting Panel is mentioned as 3P,4W & UPS supply is 240V, 1 Phase so chnageover between Normal Lighting Panel & UPS may not be possible. Separate UPS powered Lighting panel will be considered with Voltage sensing relay to ensure emergency Lighting facility in case on Normal supply failure.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.

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544	Vol II Sec-2-21-Illumination_PSS_Rev 3	9	Lighting Poles	5.6.0	Lighting pole shall be tubular type, galvanized steel (minimum 910gm/sq.mm), joint less, supplied with base plate (with minimum 300mm PCD, 12mm thick), foundation bolts (SS-316 or, better), necessary fixing-bracket for fixing the luminaire.....	We understand our scope of Illumination is limited within Substation Boundary . As we are providing Lighting cum Lightning mast for Overall Illumination of substation Outdoor area so separate Lighting Pole will not be required. Please confirm .	It shall be decided during detailed engineering.  Bidder shall refer clause no. 2.0.0 and clause no. 4.2.0 of " Vol II Sec-2-21-Illumination_PSS_Rev 3"  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
545	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	8&9	SCOPE OF WORK AND SERVICES	2.10.0	The scope of services shall include the following: System studies like Load Flow, Short Circuit, Switching Transient & Insulation co-ordinations shall be carried out with the latest version of reputed software (ETAP, Siemens PSSE or as per requirement of concerned RLDC / ISTS system authorities) & PSCAD/EMTDC software to confirm the adequacy of the equipment ratings proposed in this specification. Required system files for validation shall be provided to the owner. The reports shall be submitted in soft and hard copies.  All necessary clearances and approval by CEA/ CEIG, CEA, CTUIL / PGCIL, POSCO, WRLDC / RLDC / NLDC / LDC's / PESO or, any other statutory bodies related to PSS package.	As we are construction only PSS for the project, We request to remove the system study from scope of this package, as same will required data of overall Plant. Also, we understand that any kind of approval, clearance from external agencies/ Statutory bodies is excluded from Bidder's scope, however Bidder will provide all Necessary technical supports for these approval.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
546	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	5	SCOPE OF WORK AND SERVICES	2.2.0	The scope of work covers design, engineering, manufacture, assembly and testing at works, packing / dispatch and transportation to site (including transit insurance), storage, erection, testing and commissioning of the following for Pooling Substation-1 (PSS-1 of 1200MW) :  • Aluminum Bus Pipe 4" IPS for AIS portion	Aluminum Tube - Outdoor Equipments & GIS Busing connection is considered using AL59 conductor as defined in specification. We are not using any Aluminum Tube for the connectivity. Please confirm.	Bidder shall refer Amendment
547	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	20	ANNEXURE- B: BILL OF QUANTITY	Sr. 23 Sr. 24	Porcelain/Polymer string Insulators for AIS: Lot 1  Hardware for String Insulators for AIS: Lot 1	String hardware & Polymer String insulator - Please confirm that 440kV Line side termination Tension String hardware with insulator shall be in TL Package/Client scope. Substation package scope will cover only suspension insulator if required.	Bidder shall refer Clause No 4.0.0 of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)"  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
548			General			We understand that C5-M protection is related to Outdoor equipments only. The same is not applicable for Indoor application equipments/Panel. Please confirm.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
549	Vol II 400 kV and 415 V SLD Drawings		General			Remote PGCIL substation end Traiff metering with associated CT/CVT /PT for 400kV Line is not considered as part of this package . Please confirm scope.	Bidder shall refer Clause No 4.1.2 "Vol II Sec-2-9-DTS_Tariff Metering Panels_PSS_Rev 3" and clause no 2.0.0 of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)."  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
550	Vol II 400 kV and 415 V SLD Drawings		General			From SLD, we understand that Line side Outdoor LA/CVT/Wave Trap shall be in Optional Scope. Please confirm scope clarity of PLCC as Wave Trap is Optional for this package. Please confirm Capacitance of Line side CVT.	Bidder shall refer Clause No 2.0.0 of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)." and clause no 1.0.0 of "Vol II Sec-2-10-DTS_Power line carrier com_PSS_Rev 3" Capacitance of Line side CVT shall be as per requirement of PLCC system and to be proposed by bidder during detail engineering for approval.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
551	Vol II 400 kV and 415 V SLD Drawings		General			400kV Line is having Differential protection . Please confirm that OPGW connection upto Substaion Gantry Tower including OPGW termination Box in scope of Client/TL Vendor.	Bidder shall refer Clause No 4.0.0 of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)" , clause No 1.0.0 and 3.3.0 of "Vol II Sec-2-10-DTS_Power line carrier com_PSS_Rev 3"  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.

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552	Vol II 400 kV and 415 V SLD Drawings		General			Request to define Model of PQM & ABT meter for 400kV SS & 33kV switchgear. As we understand 33kV Switchgear shall have 1 No ABT main meter only.	Bidder shall refer doucment "Vol II Sec-2-29-DTS_PQM_PSS_Rev 3" and "Vol II Sec-2-9-DTS_Tariff Metering Panels_PSS_Rev 3"  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
553	Vol II 400 kV and 415 V SLD Drawings		General			We are considering, 415V system short time rating as 25kA /1Sec . Impedance of the Transformer shall be selected accordingly.	Bidder shall refer clause no 4.1.3 of "Vol II Sec-2-15-DTS_LT Switchboards_PSS_Rev 3"  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
554	Vol II 400 kV and 415 V SLD Drawings		General			Please confirm number of Cable material, Run & size termination provision requirement for 33kV switchgear panel feeders . We understand termination Kit for these cables & associated cable to SPP/WPP not scope the Substation package. 33kV cable will be terminated without any Gland .	Bidder shall refer clause no 5.1.13 and 2.1.0 of "Vol II Sec-2-12-DTS_HT SWIGR_PSS_Rev 3"  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
555	Vol II Sec-2-27-DTS_HPCMS_PSS_Rev 3		General			PPC is related to Solar Plant Inverter Make & Models which is not part of this substation package so requesting to remove the scope of PPC from Substation Package scope. We are requesting to cover the PPC requirement with respective Solar plant package SCADA scope. Data of Solar Plant SLDC connectivity will only pass through Substation SCADA gateway.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
556	Vol I Sec 1 NIT_PSS_1 PH-1 and 2_R3	4	TABLE A: IMPORTANT DATES	Sr. No.x	14 Months from date of Letter of Intent (LoI) for Phase-I & 20 Months from the date of LoI for Phase-II	Considering the long lead items such as transformrers and GIS along with the erection, testing and comissioning time, it will be difficult to complete all activities within 14 months (including monsson) We therefore request that the completion time for both phases may be 20 months to enable sufficient time for all activities	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
557	Vol I Sec 1 NIT_PSS_1 PH-1 and 2_R3	5	TABLE B: IMPORTANT AMOUNTS	Sr. No. iii	Security Deposit cum Performance Bank Guarantee (PBG): The Contractor shall furnish Security Deposit (SD) cum Performance Bank Guarantee (PBG) equivalent to 10% (ten percent) of the Contract Value within 30 days after issuance of LOI. The validity period of Security Deposit cum PBG should be for a total period up to 44 months (i.e. 20 months completion period including both Phase-I & Phase-II + 12 months defect liability period + 12 months claim period) from the date of LoI.	As per Notification of Govt of India 9/4/2020- PPD issued on 30th Dec 2021 - Performance security for contracts shall be reduced to 3% for all contracts up to 31st Mar'23 In line with the same, we request that the requirement of Performance Bank Guarantee may be reduced from 10% of Contract Value to 3% of Contract Value	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
558						As BG validity and claim period are different, we shall provide PBG valid up to end of DLP, with claim period of 12 months. BG shall be valid for 32 months with claim period additional 12 months. Kindly confirm our understanding	The clause is self explanatory.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
559	Vol I Sec 1 NIT_PSS_1 PH-1 and 2_R3	6	TABLE B: IMPORTANT AMOUNTS	Sr. No. iv	Performance Bank Guarantee (PBG) for Power Transformer and Gas Insulated Switchgear (GIS) : The Contractor shall furnish Performance Bank Guarantee (PBG) equivalent to 3% (three percent) of the Contract Value within 30 days before expiry of Defect Liability Period. The validity period of Security Deposit cum PBG should be for a total period up to 60 months from the date of Taking over of the 1200MW PSS-1.	As the DLP for the project will be completed in 12 months from taking over, we request to remove requirment of additional 3% BG for GIS and Transformers for the additional 48 months.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
560	Vol I Sec 2 ITB_PSS_1 PH-1 and 2_R3	6	PRE-QUALIFYING REQUIREMENTS (PQRS)/ ELIGIBILITY CONDITIONS	2.2.1.3(iii)	.....GIS Manufacturer shall furnish performance guarantee for an amount of two (2) % of the total contract price. This performance guarantee shall be in addition to the Contract Performance security to be submitted by the Bidder.	Considering the order is placed on supplier by EPC bidder, the GIS manufacturers facing defficulty in submitting BG in the name of GIPCL, since there is no direct order from GIPCL. Considering the above, we request you to remove this additional BG requirement from supplier. The same is being followed by all state utilities and other customers except PGCIL. This will also ensure EPC bidders have opportunity to submit their fair & best techno-commercial offers	Bidder shall refer Amendment
561	Vol I Sec 2 ITB_PSS_1 PH-1 and 2_R3	13	BANK GUARANTEES & EMD	11.6 (i)	.....the PBG shall have to be extended for further 6 months beyond the due date and when asked by GIPCL. However, in case Bidder fails to submit PBG within 30 days after issue of date of LOI, GIPCL reserves the right to cancel LOI and to recover all cost and liability thereof from Bidder. SD Cum PBG shall be returned only after 12 months from Defect Liability Period. Validity including Claim period of SD/PBG shall be of 44 months from date of LoI or, extended further as asked by GIPCL.	Duration of SD/PBG is ambiguous and open ended, we request to kindly limit the time peirod of SD/ Performance guarantee up to the end of defect liability only.	Bidder shall refer Amendment

**Consolidated Response to Bidder's Queries**

**Reference:**

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Sr. No	Vol. No. & Section No.	Page No.	Main Clause	Clause No.	As per EPC Tender (GIPCL/RE PARK/PSS/Phase-I)	Bidder's Queries	GIPCL reply / clarification to Pre Bid Queries
562	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	7	SCOPE OF WORK AND SERVICES	2.5.0	Technical Parameters indicated in drawings and detailed technical specification for equipment is minimum requirement. Actual rating shall be as per system studies conducted by bidder. Any change in parameter shall be at no extra cost to Owner.	it is mentioned that system studies are in scope of EPC, kindly clarify the scope of system studies	Bidder shall refer 2.10.0 Clauses of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)" for scope of work for system study. Bidder shall refer Amendment
563	Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3	35	GUARANTEE	45.0	GUARANTEE: The Contractor shall guarantee that the equipment being supplied under this Contract shall be new and of first quality workmanship and shall have no defect in manufacture, for the purpose intended. The guarantee shall be for a period of 12 calendar months and 60 months for the critical equipment e.g. transformer and GIS commencing immediately on Taking Over of the plant & acceptance by GIPCL and shall be furnished as said above in clause 9.0. GCC (Security Deposit cum Contract Performance Guarantee).	The terms Guarantee Period and Defect Liability period have been used in different sections of the document, however there is no clear definition for "Guarantee Period", we understand that "Guarantee period" has the same meaning of "Defect Liability Period" as defined in Clause No. 35 of Section-6- ECC. Please confirm	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
564	Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3	9	DEFINITION OF TERMS	3.40	'Latent Defect' shall mean any defects and Deficiencies or Defective work: i) Caused by an act or omission by the Contractor that implies either failure to pay due regard to the serious consequences that a conscientious and responsible Contractor would normally foresee as likely to ensure, or a willful disregard of any consequence of any such act or omission; ii) Would not have been disclosed by a reasonable examination prior to the expiry of the Latent Defects period. Temperature rise limits and losses etc. as specified at the modes of operation, as further specified in this Contract.	There is no clarity on scope and duration of latent defects, we presume that latent defect liability is not applicable for the project. Kindly confirm our understanding	Bidder shall refer to clause no 3.40 & 36.8 of Vol I Sec 4 GCC_PSS_1 PH-1&2_R3. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
565	Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3	20	DEFECT LIABILITY	35.11	In addition, the Contractor shall also provide an extended warranty for any such component of the Facilities and for the period of time. Such obligation shall be in addition to the Defect Liability Period specified under Clause 35.0.	Kindly clarify the scope and time duration on extended warranties also mention the material/equipment covering the additional defect liability period for the project.	Bidder shall refer to clause no 11.6 of Vol I Sec 2 ITB_PSS_1 PH-1&2_R3 & clause no 9.2 of Vol I Sec 4 GCC_PSS_1 PH-1&2_R3. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
566	Vol I Sec 8 Price Schedule_PSS_1 PH-1 and 2_R3	22	PRICE BREAK-UP OF ANNUAL MAINTAINANCE CHARGES	SCHEDULE-13	Annual Maintainance Charges	As per refered schedule we are to quote AMC charges for equipment on LS basis for 3 years However scope of AMC is not defined in the Specifications. We request that price bid may be ammended accordingly as AMC is not part of the scope for subject project.	Bidder shall refer Amendment
567	Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3	47	PRICE ESCALATION	80.1	The rate(s) quoted against the work shall remain firm during the entire Contract period.	Considering the current commodity price fluctuations and market conditions. We request to accept price variation for the major supply items. For Price variation of electrical projects, IEEMA is generally followed, which covers widely all electrical items like Transformer, Reactors, Instrument Transformers, Cables, Cable trays, Switchgear, battery, Structures, erection and Civil works etc. We request you to kindly consider standard IEEMA formulae for the equipments/ material/ works/ civil works. This is being followed by all major customers (government utilities).	Bidder shall refer Amendment
568	Vol I Sec 7 List of Appendices_PSS-1_R3	40	BID EVALUATION CRITERIA	APPENDIX-23 (B-8&9)	Lowest Five (5) eligible bidders or 50% out of total eligible Bidders (rounded to the next higher whole number), whichever is higher shall be invited for participation in e-Reverse Auction. Decrement value and duration for the e-Reverse Auction shall be informed to the qualified bidders before start of e-Reverse Auction. The L1 shall be put up for starting e-Reverse Auction. e-Reverse auction shall be for reducing the Lumpsum price and the bidders have to reduce their Lumpsum price in decrement of value as decided before start of e-Reverse Auction.	We request to accept L1 bidder as a successful bidder to issue the order as per the other state utilities tender, which will enable bidder to work and submit the best techno-commercial offer during bid submission stage itself. Also this will avoid non-performance during execution due to fair pricing of the contractor during bid submission.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.

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569			General			As per the final Verdict of Supreme court the BOCW Applicable only on the Civil portion of the contract. Kindly confirm.	Bidder shall refer Amendment
570	Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3	13	CONTRACT AGREEMENT	8.2	The agreement shall be executed at the Office of the Purchaser on a date and time to be mutually agreed. All charges for preparing the contract agreement including the legal fees, stamp fees etc., shall be borne by the contractor.	We presume that the contract agreement will be executed in 100 Rs Stamp paper. please confirm.	The value of the stamp paper for execution of contract agreement shall be as per legal/statutory requirement.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
571	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	7	SCOPE OF WORK AND SERVICES	2.5.0	Technical Parameters indicated in drawings and detailed technical specification for equipment is minimum requirement. Actual rating shall be as per system studies conducted by bidder. Any change in parameter shall be at no extra cost to Owner.	As per Annexure-B : Bill of Quantity, Phase-I : SI No. 67 & Phase-II : SI No. 8, we understand that rating of power transformer, 340/170/170MVA, 400/33/33kV, will not change during detail engineering and bidder to quote for the same. Please confirm.	Bidder shall refer Amendment
572	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	10	TERMINAL POINTS	4.0.0- (d)	All cables from 415V Park Infrastructure Distribution Board to Power Distribution Board / ACDB for buildings other than GIS building and Substation Control Building shall not be laid by PSS package vendor. Thus outgoing terminal for those feeders at 415V Park Infrastructure Distribution Board shall be terminal point for PSS vendor.	We understand that number and rating of outgoing feeders for Park infrastructure DB and 415V Station service board shall be as per Drg. No. FCE-1721125-EL-DWG-SLD-2100-006,Rev.04. Please confirm.	Bidder shall refer Amendment
573	Vol II Communication Architecture Drawing				Simplified Conceptual Communication Architecture Dwg. No. FCE-1721125-CI-DWG-CMS-4100-002	As per Drg. No. DWG NO FCE-171125-CI-DWG-CMS-4100-002 Rev.05 , FODP and OPGW-2 for PSS-2 is shown in PSS -1 EPC scope of supply. We understand that same shall be in scope under PSS-2 supply. Please confirm whether Bidder's understanding is in order.	OPGW Cables of Transmission lines are in the scope of Transmission Line Tender and FODP at PSS-2 is under scope of supply of PSS-2.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
574	Vol I Sec 8 Price Schedule_PSS_1 PH-1 and 2_R3	7	PROFORMA FOR DETAILED BREAK-UP OF PRICE FOR SUPPLY INCLUDING TAXES OF EQUIPMENT/SYSTEMS- PHASE- I	SCHEDULE – 5A (b)	400 kV GIS Bays for Phase-I (Transformer: 02, Line: 01, B/C: 01 & Bus VT: 02)	As per Section 2.3, clause 2.2.6, it is mentioned as " Bus duct shall be single phase enclosed. GIB from outside the GIS Hall wall including support structure to SF6/Air Bushing for interconnection to substation equipment of Line/ Transformer Bays shall be considered for mode of measurement. Inner side GIB is to be considered as part of respective Transformer / Line Bay.". However, as per referred clause, indoor and outdoor GIB quantities included with the GIS modules. Hence, we propose client to give the separate line item for outdoor GIB for 400kV GIS. We request GIPCL to check & propose suitable amendments in this regard.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
575	Vol I Sec 8 Price Schedule_PSS_1 PH-1 and 2_R3	8	PROFORMA FOR DETAILED BREAK-UP OF PRICE FOR SUPPLY INCLUDING TAXES OF EQUIPMENT/SYSTEMS- PHASE- II	SCHEDULE – 5B (b)	400 kV GIS Bays for Phase-II (Transformer: 02)		
576	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	19	ANNEXURE- B: BILL OF QUANTITY	Sr. No. 7- (b)	For transformer feeder	As per referred clause, total quantity for 400kV transformer side surge arrestors are given as 12 Nos., we understand that supply of outdoor surge arrestor for Phase-II shall also be included in Phase-I. Please confirm whether Bidder's understanding is in order.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.

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577	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	20	ANNEXURE- B: BILL OF QUANTITY	Sr.No. 38 & 39	230V AC UPS system UPS distribution board Unit: set Quantity: 4	As per section 2.17, clause 2.1.10, supply of 230V, Two numbers 230V, 50Hz, AC UPS DB with Tie for pooling substation-1 are to be supplied.  Further, as per Annexure B, SI No. 38, total 4 sets of 230V AC UPS system are mentioned.  However, as per Annexure B, SI No. 85.n, Power supply (UPS with battery backup) as required for efficient operation of the system is provided under HPCMS.  We understand that total 2 sets of UPS system is to be considered for PSS-1, one for SAS and other systems and one for HPCMS and same shall be supplied in line with the Drg. No. FCE-1721125-EL-DWG-SLD-2100-010 Rev.02. Please confirm whether Bidder's understanding is in order.	Bidder shall refer Amendment
578	Vol II 400 kV and 415 V SLD Drawings				Single Line Diagram for 415 AC System PSS-1 dwg. No. FCE-1721125-EL-DWG-SLD-2100-006	As per Drg. No. FCE-1721125-EL-DWG-SLD-2100-006,rev.04, feeder for 24V battery charger is provided in 415V station service board, however, same has not been covered in Annexure-B. Request you to kindly confirm whether same is required under present scope or not.	24V Battery Charger Feeders shown in Drg. No. FCE-1721125-EL-DWG-SLD-2100-006,rev.04 is for owners future use. No change in Tender Conditions. Bidder shall comply with tender conditions.
579	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	22	ANNEXURE- B: BILL OF QUANTITY	Sr.No. 67	340/170/170 MVA, 400/33/33 kV, Three phase, three winding, power transformers with ONAN/ONAF cooling OLTC, bushing CTs, first fill oil etc.	As per Section 2.1, clause 4.0.0, supply of 4 nos. 340 MVA 400/33/33kV, YN0yn0yn0 (without Tertiary) OR, YN0yn0yn0+d11 (with Tertiary) step up transformers are located in the substation is mentioned. However as per referred clause power transformer with two secondary windings and without tertiary need to be supplied for phase-I and phase-II. Please confirm whether Bidder's understanding is in order.	Bidder shall refer 400 kV Substation SLD of "Vol II 400 kV and 415 V SLD Drawings"  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
580	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	22	ANNEXURE- B: BILL OF QUANTITY	Phase-I Sr.No. 80 & 81	33 kV Switchgear (L1) & 33 kV Switchgear (L3,L4,L5)		
581	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	27	ANNEXURE- B: BILL OF QUANTITY	Phase-II Sr.No. 21 & 22	33 kV Switchgear (L2) & 33 kV Switchgear (L6,L7 & L8)	We understand that bidder to consider the 33kV feeders as per 400kV Substation Single line Diagram PSS-1 Drg. No. FCE-1721125-EL-DWG-SLD-2100-001,Rev.04. Any change in the same shall have price and time implications, Please confirm whether Bidder's understanding is in order.	Bidder shall refer Amendment.
582	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	24	ANNEXURE- B: BILL OF QUANTITY	Sr. No. 118	AMC support for all the Software's	As supply of any engineering software is not under present scope, we understand that referred line item shall be for the software supplied for SAS and HPCMS only. Please confirm whether Bidder's understanding is in order.	Bidder shall refer "Vol IISec-2-27-DTS_HPCMS_PSS_Rev 3_Revised" and "Vol II Sec-2-8-DTS_SS Automation_PSS_Rev 3"  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
583	Vol II Sec-2-1-DTS_Design Aspects_PSS_Rev 3	6	LAYOUT ASPECTS	4.10 & 4.11	SAS room shall accommodate Substation automation system servers and operator workstation and operator work station for tariff meters, Workstation for Disturbance recorder & Printers. & Main control room shall accommodate Hybrid Park Control Monitoring System (HPCMS), space for Fire alarm panel , online PD panel and NIFPS.	As per Drg. No. FCE-1721125-EL-DWG-LAY-2100-015 Rev.05, all workstation and HMI needs to be placed in Main control room, however, as per referred clause, same shall be placed in control relay panel & SAS room. Kindly clarify the actual requirement.	Bidder shall refer Amendment
584	Vol II Sec-2-12-DTS_HT SWIGR_PSS_Rev 3	14	Multi-Function Meters	5.8.1	Multifunction meters and energy meters shall be provided as indicated in the Single line diagram. MFM shall be provided in Transformer incomer and Station service transformer outgoing feeders only. However for 33kV feeders to SPP/WPP, capacitor bank and spare feeder, PQM shall be provided. General purpose metering CT of 0.2s class for PQM and MFM meter shall be provided for each feeder and fed from bus PT (0.2 Class).	As per Drg. No. FCE-1721125-EL-DWG-SLD-2100-001,Rev 04, PQM meters have been provided for station service transformer, however, as per referred clause MFM meter to be considered for the same. Kindly clarify the actual requirement.	Bidder shall refer Amendment
585	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	6	SCOPE OF WORK AND SERVICES	2.2.0 (i)	Interconnection with PQM at GIPCL end and CTUIL / ISTS Substation end	As per Drawing no. DWG NO FCE-171125-CI-DWG-CMS-4100-002 Rev.05, we understand that supply and integration of PQM meter at SPD and WPD end is not in bidder's scope. Please confirm whether Bidder's understanding is in order.	Bidder shall refer clause 2.2.0 of " Vol II Sec-1-GTS_PSS_Rev 3_Revised"  Bidder shall refer "Vol II Communication Architecture Drawing"  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.

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586	Vol II Sec-2-27-DTS_HPCMS_PSS_Rev 3	6	SYSTEM DESCRIPTION	2.5.0	Minimum Signal exchange for the HPCMS shall include the following: These are minimum signal, during detailed engineering extra signal shall be added by Owner if required. Bidder shall comply by adding hardware and software if required at no extra cost to Owner. Signal requirement of RLDC / CTUIL to be compiled.....	As given signal list of SPP/WPP which to be considered in HPCMS is very generic, request you to kindly provide the detailed DI/DO list for all SPP/WPP signals which are to be considered for HPCMS monitoring.	It shall be decided during detailed engineering. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
587	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	64	LIST OF DRAWINGS	ANNEXU RE-F	FCE-1721125-EL-DWG-SLD-2100-001 (400 kV Substation-Single Line Diagram: PSS-1)	Kindly provide the line CT parameters of existing Khavda-II S/s as same needs to be considered for GIPCL 400kV GIS line bay.	Bidder is requested to refer Note 18 and 19 of 400 kV substation SLD of "Vol II 400 kV and 415 V SLD Drawings" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
588	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	64	LIST OF DRAWINGS	ANNEXU RE-F	FCE-1721125-EL-DWG-LAY-2100-015 (400 kV Substation Layout-PSS-1 (Preliminary))	Request you to kindly provide the distance and laying method of 33kV cable from SPP/WPP to GIPCL 400kV PSS-1.	Bidder shall refer clause no 2.0.0, 3.0.0 and 4.0.0 of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
589	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	64	LIST OF DRAWINGS	ANNEXU RE-F	FCE-1721125-EL-DWG-SLD-2100-001 (400 kV Substation-Single Line Diagram: PSS-1)	As GIPCL is responsible for finalizing the rating of 33kV incoming feeders from WPP/SPP, any increase in the rating & quantity of 33kV incoming & outgoing feeders during detail engineering shall be suitably compensated by GIPCL. Please confirm.	Bidder shall refer Amendment
590	Vol II Sec-2-8-DTS_SS Automation_PSS_Rev 3	15	Communication Protocol	4.49.5	The communication protocol for gateway to RLDC / CTU GSS must be open protocol and shall support IEC 60870-5-101, 60870-5-104 and IEC 61850 for all levels of communication for SAS such as Bay to station HMI, gateway to remote station etc.	Please furnish the requirement of which communication protocol -PRP (or) HSR (or) RSTP is to be followed for SAS at GIPCL 400kV PSS-1.	It shall be decided during detailed engineering. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
591	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	3	INTENT OF SPECIFICATION	1.9.0	In case of any conflicts / contradiction among various clauses / Parts / Appendix / Annexure/chapters / appendices / tender drawings of bid documents, the most stringent requirement shall govern; decision of the Owner shall always be final & binding on the Bidder/Successful bidder. No extra claims shall be allowed on this account.	In case of contradiction between Individual equipment technical-specification, General Technical specification, Tender drawings and BPS (Annexure B) , please confirm the order of precedence to be followed.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
592	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	7		2.3.0 ( 1 & 2)	Site related investigations. a. Topographic survey. b. Geotechnical investigation. 2. Site Development works a. Site Grading including Soil stabilization and slope protection. b. Green Belt, Landscape development and horticulture including associated water supply system. c. Compound wall with gates. d. Internal roads and Culverts. e. Storm water drains and interconnection to outside main drains.	As per the scope of work & price bid, we understand that all civil works are paid lot basis. Please provide the following details for the proposed substation (phase I & Phase II) in order to estimate the quantum of work. 1. Overall Plot plan indicating present scope of work, FGL and HFL 2. Global co-ordinates for all corners 3. Contour layout indicating with spot levels showing existing ground level for SS area (if available) 4. Drainage outfall point	Bidder shall refer clause no. 15 of " Vol I Sec 5 SCC_PSS_1 PH-1 and 2_R3" for Terms of Payment. Bidder shall refer amendment for tentative coordinates of the PSS-1 layout. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
593	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	64	LIST OF DRAWINGS	ANNEXU RE-F	FCE-1721125-EL-DWG-LAY-2100-016 (33 kV Pre Engineered Building Layout)	We wish to inform that, the 33 kV Pre Engineered Building Layout (Dwg.no: FCE-1721125-EL-DWG-LAY-2100-016) is not attached with the tender document. Please provide the same in order to estimate the quantum of work.	Bidder shall refer "Vol II 33 kV PEB Cable Tray_ Earthing Drawings", Page-1, Dwg.no: FCE-1721125-EL-DWG-LAY-2100-016 No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
594	Vol II Sec-2-26-Civil_PSS_Rev 3	15	COMMON REQUIREMENTS FOR CIVIL WORKS	9.1	Unless required otherwise, cement used shall be Sulphate Resistant Cement conforming to IS 12330. Special cement, as appropriate, shall be used for structures, or portions of structures, exposed to chemicals. The type of cement shall be as per the soil investigation report. All structural concrete shall be design mixes only. Ready mix concrete may be used where feasible, minimum cement content shall be 350 kg / m <sup>3</sup> of concrete unless otherwise specified in the detailed soil investigation report. The following grades of concrete as per IS : 456 shall be adopted for the type of structures noted against each. M 35 - RCC structures below ground (min). M 35 - RCC structures above ground (min). M 35 - Precast trench covers M15 - PCC 1 : 4 : 8 - Mud mat	We presume that the grade of RCC is M35, lean concrete M15, cement type Sulphate Resistant Cement & grade of reinforcement as Fe 500D coated with anti-corrosive paint. Please confirm.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
595	Vol II Sec-2-26-Civil_PSS_Rev 3	6	SUBSTATION STEEL STRUCTURES	7	The major steel structures in the Substation are towers, girders, etc.They shall be of latticed construction using angle sections. In addition, supporting structures for equipment, such as isolator, lightning arresters, etc shall also be provided. These structures may be of tube section or latticed as the case may be.	We trust that, all Equipment support structure at all voltage shall be lattice type connecting by base plate with foundation bolts. Please confirm.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.

**Consolidated Response to Bidder's Queries**

**Referenece:**

- 1) Tender Enquiry Document For Pooling Substation 400/33 KV, 1200 MW (PSS-1, Phase-I & Phase-II of 600 MW Each ) of Solar/ Wind / Hybrid RE Park of 2375 MW Capacity at Great Rann of Kutch Area, Gujarat (RFP No. GIPCL/RE Park/PSS/Phase-I Dtd. 07.04.2022)
- 2) Pre-bid queries received during Pre-Bid Meeting on 06.05.2022 and also through various email(s).

Sr. No	Vol. No. & Section No.	Page No.	Main Clause	Clause No.	As per EPC Tender (GIPCL/RE PARK/PSS/Phase-I)	Bidder's Queries	GIPCL reply / clarification to Pre Bid Queries
596	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	7	SCOPE OF WORK AND SERVICES	2.3.0 (5)	Any other civil and structural works, which is not specifically mentioned in this document but required to complete the total 400 / 33kV GIS Pooling substation as EPC is also included in the scope of work.	We trust that, the approach road from main road to substation gate & Culverts for the proposed Substation (Phase I & Phase II) is not in bidders scope. Kindly confirm. If not kindly provide the length of approach road from main road to substation gate.	Bidder shall refer clause no. 4.0 of Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3 No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
597	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	7	SCOPE OF WORK AND SERVICES	2.3.0 ( 1 & 2)	1. Site related investigations. a. Topographic survey. b. Geotechnical investigation. 2. Site Development works a. Site Grading including Soil stabilization and slope protection. b. Green Belt, Landscape development and horticulture including associated water supply system. c. Compound wall with gates. d. Internal roads and Culverts. e. Storm water drains and interconnection to outside main drains.	As per the scope of work & price bid, we understand that all civil work foundations are paid lot basis. However in attached Soil report the proposed Substation area BH data is not indicated. Kindly provide the detailed soil investigation report for the proposed SS area (for Phase I & Phase II). in order to estimate the quantum of work.	Bidder shall refer clause no 2.0 of "Vol I Sec 5 SCC_PSS_1 PH-1 and 2_R3" and clause no. 4.0 & 4.4.3 of " Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3". No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
598	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	6	SCOPE OF WORK AND SERVICES	2.3.0	The scope of work covers design, engineering, supply of all materials, construction, fabrication / assembly and testing at works, packing / dispatch / loading / unloading and transportation (including internal transportation and material handling at site) to site (including transit insurance) and erection of the following Civil, Structural and Architectural works of Pooling Substation-1: .....	Please provide the following standard drawing (if available) for the proposed SS (Phase I & Phase II) 1. Cable trench and trench crossing 2. Drain & Drain crossing 3. Switchyard Road 4. Fencing and gate 5. Compound wall & gate 6. Car parking shed 7. Security cabin in order to estimate the quantum of work.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
599	Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)	5	SCOPE OF WORK AND SERVICES	2.2.0	Fire stop sealing system Fire protection system	We trust that, the fire fighting system for the proposed Substation (Phase I & Phase II) shall be NIFPS system. Hence the Fire fighting pump house & water tank reservoir for fire fighting system is not envisaged. Kindly confirm.	Bidder shall refer clause no 5.25.0 of "Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3" and 2.2.0 of "Vol II Sec-1-GTS_PSS_Rev 3_Revised (1)" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
600	Vol II Sec-2-26-Civil_PSS_Rev 3	5	Storm water Drain Network	6.6	Storm water drainage network shall be provided for the entire substation area and the same shall be discharging to main storm water network of the solar park near the approach road. Drain shall be of RCC construction.The drawings shall indicate the basic drainage plan from the various units within the Substation.Invert level of drainage network and at outfall point shall be decided in such a way that water can easily be discharged outside the station Boundary. The maximum velocity and non-silting velocity shall be ensured.	As per referred clause, we understand that switchyard drain is in bidder's scope. However the following details are not mentioned in the tender document. Kindly clarify the following: i) Drain on both sides of road or Single side of road ii) Open or Closed.	It shall be decided during Detailed Engineering. Bidder shall refer clause no 2.0.0 of "Sec-1-GTS_PSS_Rev 3_Revised" No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
601	Vol II Sec-2-26-Civil_PSS_Rev 3	6	Chain Link Fence	6.1	PVC coated Galvanized Chain link fence shall be provided wherever necessary like transformer / reactor, capacitor bank, dieselgenerator, transformer oil storage shed and diesel storage shed etc.	As per referred clause, we understand that Chain link fence is in bidder's scope. However the following details are not mentioned in the tender document. Kindly provide the following details: i) Height of fence from FGL ii) Material details (Mesh size, Galvanisation, Pipe or angle) iii) C/c distance iv) Standard drawing (if available)	It shall be decided during detailed Engineering. No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.
602	Vol III 1 Soil Investigation_Part-1	52	DISCUSSION & RECOMMENDATION S	7	It is recommended to provide suitable ground improvement techniques wherever the strata are liquefiable. The report presented is representative of the bore locations and does not represent the entire area of construction as a whole.	As per soil report recommendation, we observed that the ground improvement/soil stabilization treatment is required for the proposed area. During bidding stage it is very difficult to do detailed analysis for ground improvement. Kindly include the unit rate item for ground improvement/soil stabilization in price schedule or ground improvement/soil stabilization technique to be adopted for the proposed SS area (for Phase I & Phase II)	Bidder shall comply with clause no 5.2 of "Sec-2-26-Civil_PSS_Rev 3".Bidder shall comply with clause no 2.4.0 of "Sec-1-GTS_PSS_Rev 3_Revised". No Change in Tender Conditions. Bidder shall Comply with Tender Conditions.