

**Consolidated Response to Bidder's Queries -2**

**Referenece:**

- 1) Tender Enquiry document for Pooling Substation 400/33 kV(PSS-1, Phase-I & Phase-II of 600 MW Each) of Solar/Wind/Hybrid RE Park of 2375 MA Capacity at Great Rann of Kutch area, Gujarat (RFP No. GIPCL/RE Park/PSS/Phase-I Dtd. 07.04.2022)
- 2) Queries received 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-1)	Bidder's Queries	GIPCL reply / clarification to Pre Bid Queries		
1	Tender Amendment-Annexure-1  Vol I Sec 5 SCC_PSS_1 PH-1 and 2_R3	2  12	Scope of Works  PAYMENT TOWARDS ANNUAL MAINTENANCE CHARGES (AMC):	1.9.0  1.12.0  15.7 Sr. No. 1	AMC awarded to OEM by PSS-1 EPC contractor shall be in favour of GIPCL. The cost of AMC will be included in bid evaluation.  Payment for AMC will be directly done by Owner/GIPCL to the OEMs.  Against quarterly RA bills for the AMC executed at site and certified by Engineer In-Charge of GIPCL- Equally divided in 12 quarters of 100% Contract Value of AMC	As per annexure-1 read with schedule 13, AMC cost to be included in bid & same shall be awarded to EPC contractor. For AMC service, the payment of same will be made by GIPCL directly to OEMs. PI clarify the proposed contract is to be awarded to the contractor accordingly, the contractor will raise an invoice on the employer, how the payment can be effected directly to the OEMs by the employer. As well as, kindly explain the modus operandi for the same.  Note:- As contract is not awarded directly to the OEMs, the OEMs will be unable to raise the invoice directly to employer.	AMC contract shall be awarded directly to the OEM by GIPCL as per the quoted price by the bidder/EPC Contractor in the Schedule-13 of Volume-I, Section 8.  Invoice shall be raised on GIPCL's name by the AMC OEM and the payment shall be directly done by GIPCL to the AMC OEMs.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions		
2	Vol I Sec 5 SCC_PSS_1 PH-1 and 2_R3  Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3	7  48	CONTRACT PRICE  STATUTORY VARIATION IN TAXES & DUTIES	9.2  83.4	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.  Statutory variations in the tax (listed items in Price Schedule and approved Billing Break-Up) shall be permitted as under (A) Statutory variations during original contractual completion period : If any increase takes place in taxes and duties due to statutory variation, then GIPCL shall admit the same on production of documentary evidences. The statutory variation will be admitted considering the basic price quoted in the schedule of price or paid by contractor whichever is lower. If any decrease takes place in taxes and duties due to statutory variation, the same shall be passed on to GIPCL or GIPCL shall admit the decreased rate of taxes and duties while making the payment. (B) Statutory variations beyond original contractual completion period: (i) If reasons for extension of contractual completion period is attributable solely to GIPCL, the provisions of (A) above shall apply. (ii) If reasons for extension of contractual completion period is attributable to Bidder, then: (a) If any increase takes place in taxes and duties due to statutory variation, then GIPCL shall not admit the same; however GIPCL shall admit the taxes and duties at the rate prevailing during payment of last invoice raised during original contract completion period...	Schedule 1 Price schedule: 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.  In Schedule 1-price schedule statutory variation on taxes & duties liability is kept on owner, similarly in GCC 83.4 also permits statutory vaiation in taxes on listed items in price schedule under specific conditions. While in SCC it is written that statutory variation on bought out items will not be allowed.  Based on the above clause any statutory variation on a direct transaction from the contractor to the employer will be acceptable & same will be reimbursed. Any transactions related to bought out items i.e. transaction between the subvendor/sub contractor & contractor, statutory variation will not be accepttable. PI clarify if our understanding is correct.	Bidder shall refer to clause no 83.2 & 83.4 of Vol I Sec 4 GCC_PSS_1 PH-1&2_R3 for applicability of variation in Taxes & Duties.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions		
3	Consolidated Response to bidders queries  Tender Amendment	4  2		Sr. No. 34  Sr. No. 9.	Training requirements  Deleted	For training requirement cost of travelling, loadging & boarding for owner's personal at query clarification is mentioned no change in the requirement. however, in amendment the same clause stands deleted.  We understand that the amendment to contract shall superscede the clarification response. Kindly confirm if our understanding is correct.	Cost of travelling, lodging & boarding for owner's personnel shall be borne by GIPCL.  Bidder shall refer amendment-1.		
4	Tender Amendment	6		Sr. No. 10	Scenario-3 : Bidder supplied the transformer within time schedule and not completed project on time and Liquidity damage is applicable: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">C<sub>0</sub> = Rs. 8,33,925/- ES<sub>0</sub> = Rs.6,05,727/- IS<sub>0</sub> = Rs. 80,512/- IM<sub>0</sub> = Rs. 657.01/- TO<sub>0</sub> = Rs. 1,38,718/- W<sub>0</sub> = Rs. 362.88</td> <td style="padding: 2px;">C = Rs. 9,00,000/- ES = Rs.7,00,000/- IS = Rs. 85,000/- IM = Rs. 700/- TO = Rs. 1,50,000/- W = Rs. 400/-</td> </tr> </table> No price escalation shall be payable by GIPCL to contractor, however in case of reduction in price shall be recovered by GIPCL from the contractor as per Scenario-4 described below.	C <sub>0</sub> = Rs. 8,33,925/- ES <sub>0</sub> = Rs.6,05,727/- IS <sub>0</sub> = Rs. 80,512/- IM <sub>0</sub> = Rs. 657.01/- TO <sub>0</sub> = Rs. 1,38,718/- W <sub>0</sub> = Rs. 362.88	C = Rs. 9,00,000/- ES = Rs.7,00,000/- IS = Rs. 85,000/- IM = Rs. 700/- TO = Rs. 1,50,000/- W = Rs. 400/-		No change in tender amendment conditions.
C <sub>0</sub> = Rs. 8,33,925/- ES <sub>0</sub> = Rs.6,05,727/- IS <sub>0</sub> = Rs. 80,512/- IM <sub>0</sub> = Rs. 657.01/- TO <sub>0</sub> = Rs. 1,38,718/- W <sub>0</sub> = Rs. 362.88	C = Rs. 9,00,000/- ES = Rs.7,00,000/- IS = Rs. 85,000/- IM = Rs. 700/- TO = Rs. 1,50,000/- W = Rs. 400/-								
5	Tender Amendment	6		Sr. No. 10	Scenario-4: Bidder supplied the transformer within time schedule/ delayed supplied of transformer and not completed project on time and Liquidity damage is applicable: P <sub>0</sub> = Quoted by Bidder in the schedule of price 5A and 5B. The example P <sub>0</sub> = Rs. 25,00,00,000/-(more than Rs. 20,00,00,000/-) <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">C<sub>0</sub> = Rs. 8,33,925/- ES<sub>0</sub> = Rs.6,05,727/- IS<sub>0</sub> = Rs. 80,512/- IM<sub>0</sub> = Rs. 657.01/- TO<sub>0</sub> = Rs. 1,38,718/- W<sub>0</sub> = Rs. 362.88</td> <td style="padding: 2px;">C = Rs. 9,00,000/- ES = Rs.7,00,000/- IS = Rs. 85,000/- IM = Rs. 700/- TO = Rs. 1,50,000/- W = Rs. 400/-</td> </tr> </table> Then the P= 17,48,68,050/- In above scenario GIPCL shall reduce EPC price of Rs. 2,51,31,950/- for that particular transformer and similar calculation made for remaining transformer for recovery of the price from EPC contractor. In case quoted price by contractor is Rs. 18,00,00,000/- (less than Rs. 20,00,00,000/-) then P= Rs. 15,73,81,245/-	C <sub>0</sub> = Rs. 8,33,925/- ES <sub>0</sub> = Rs.6,05,727/- IS <sub>0</sub> = Rs. 80,512/- IM <sub>0</sub> = Rs. 657.01/- TO <sub>0</sub> = Rs. 1,38,718/- W <sub>0</sub> = Rs. 362.88	C = Rs. 9,00,000/- ES = Rs.7,00,000/- IS = Rs. 85,000/- IM = Rs. 700/- TO = Rs. 1,50,000/- W = Rs. 400/-	Price variation is to compensate the variation in commodity pricing from tender stage to supply stage. we request consider the price variation clause as per IEEMA formula. This will enable bidder to quote price without loading on the risk cost. the same is being followed by all Government projects for the Transformers.  Request to confirm the same.	No change in tender amendment conditions.
C <sub>0</sub> = Rs. 8,33,925/- ES <sub>0</sub> = Rs.6,05,727/- IS <sub>0</sub> = Rs. 80,512/- IM <sub>0</sub> = Rs. 657.01/- TO <sub>0</sub> = Rs. 1,38,718/- W <sub>0</sub> = Rs. 362.88	C = Rs. 9,00,000/- ES = Rs.7,00,000/- IS = Rs. 85,000/- IM = Rs. 700/- TO = Rs. 1,50,000/- W = Rs. 400/-								

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6	Consolidated Response to bidders queries  Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3	60  29	  WARRANTY	Sr. No. 564  36.8	'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.  At the end of the Warranty Period, the Contractor's liability ceases except for latent defects. In respect of goods supplied by Sub-Contractors to the Contractor where a longer guarantee (60 months for Power Transformers & GIS) is provided by such Sub-Contractors, the Owner shall be entitled to the benefit of such longer guarantee.	Please clarify the duration of latent defects liability which was asked in pre bid query 564 (page-10) as the clauses refered in GIPCL response of it does not provide the information on the duration.	Latent Defect only for 400/33/33kV, 340/170/170 MVA Power Transformer & GIS shall be 60 months from the Defect Liability Period .  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions
7	Vol I Sec 6 ECC_PSS_1 PH-1 and 2_R3	20	DEFECT LIABILITY	35.10	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.	As defect liability period for the project is 12 months after completion. We request that the DLP period of any part thereof by repair/ replacement, such repair/ replacement shall also be i.e. 12 months instead of mentioned 18 months. Kindly accept and confirm	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions
8	Vol I Sec 5 SCC_PSS_1 PH-1 and 2_R3	54	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....	The time line for considering Deemed commissioning in case of unavailability of power is 6 months. As we will have to have our resources mobilized for this duration and also will not be able to claim our retentions we request that the time for considering deemed comissioning is case of customer delays may be reduced to 2 months.  Kinldy accept the same and confirm.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions
9	Vol I Sec 7 List of Appendices_PSS-1_R3	54	APPENDIX-27: DEED OF JOINT UNDERTAKING	5	As a security, the Bidder/ Contractor shall apart from the Contractor's performance guarantee, furnish a Contract Performance Guarantee from its Bank in favour of the Owner in a form acceptable to the Owner. The value of such guarantee shall be equivalent to 2% (two percent) of the Contract value awarded by the Owner to the Bidder/Contractor and it shall be part of guarantee towards the faithful performance/compliance of this Deed of Undertaking in terms of the Contract. The guarantee shall be unconditional, irrevocable and valid for the entire period of the Contract, namely till the end of the Defect Liability Period under the Contract. The Bank Guarantee amount shall be payable to the Owner on demand without any reservation or demur. This shall be in addition to the Contract Performance Guarantee to be furnished by the Contractor.	As per SI.no 6 of amendment issued, requirement of 2% additional BG has to be provided by EPC Bidder However as per refered clause of JDU format, 2% additional BG is to be provided by GIS associate. We request you to kindly issue revised format for Appendix 27(B).	Bidder shall refer amendment -2.
10	Vol II Sec-2-27-DTS_HPCMS_PSS_Rev 3	5	SYSTEM DESCRIPTION	2.3.1	The Centralized Data Server shall integrate with other control systems provided in the Hybrid park such as SCADA of SPPs / WPPs, SAS of pooling substations, PPC, Weather monitoring station, Fire alarm and protection system (for PSS, Admin building, Guest House, Canteen & Security complex buildings), UPS & Battery Charger (for PSS, Admin building, Guest House, Canteen & Security complex buildings) and CCTV surveillance system (for PSS, Admin building, Guest House, Canteen, Security complex buildings and all roads & gates), Desalination Plant, Water Distribution System, Green Hydrogen plant and establishing & data transfer to CTUIL/PGCIL/ RLDC/SLDC/Regulatory Authorities	Please provide the interface details for Fire alarm and protection system (for PSS, Admin building, Guest House, Canteen & Security complex buildings), UPS & Battery Charger (for PSS, Admin building, Guest House, Canteen & Security complex buildings) and CCTV surveillance system (for PSS, Admin building, Guest House, Canteen, Security complex buildings and all roads & gates), Desalination Plant, Water Distribution System, Green Hydrogen plant.	It shall be provided during detail engineering.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions
11	Vol II Sec-2-27-DTS_HPCMS_PSS_Rev 3	5 6 8	SYSTEM DESCRIPTION	2.3.1 2.3.5 2.7.0	.....establishing & data transfer to CTUIL/PGCIL/ RLDC/SLDC/Regulatory Authorities.  The HPCMS shall interface with State Load Dispatch Center (SLDC) and Regional Load Dispatch Center (RLDC) for data transfer related to the park generation schedule & actual. All the interfaces shall be provided with audio-visual status indication to indicate its normal operation as per relevant standards.....  The communication link between HPCMS and RLDC / SLDC shall be through PLCC and OPGW connectivity. The communication protocol shall be through IEC 101/ IEC 104.	Please confirm if the data transfer is only through IEC101/IEC104 (or) ICCP is also an interface option.	It shall be finalised during detail engineering.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions
12	Vol II Sec-2-27-DTS_HPCMS_PSS_Rev 3	6	SYSTEM DESCRIPTION	2.3.7	The HPCMS shall also share data to the ERP system provided by owner.	Please provide the interface details and data exchange details for data exchange with ERP system.	It shall be finalised during detail engineering.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions

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13	Vol II Sec-2-27-DTS_HPCMS_PSS_Rev 3	6	SYSTEM DESCRIPTION	2.3.8	Revenue and billing system shall be carried out at Hybrid Power Park enterprise system.	We understand the revenue and billing system is not in the bidder's scope and will be provided by GIPCL.  Please confirm.	ABT, MFM and PQM meters of PSS-1 and SPP/WPP shall be interfaced with the HPCMS system to collect the metered parameters. The revenue & billing system shall have application software routine to estimate the units generated & pumped by each SPD/WPD at 33 KV and 400 kV level , which shall be further used for billing purpose. This is envisaged in a software application, which shall be referred / called as Hybrid Power Park enterprise system. Further, billing information shall be shared with GIPCL ERP (SAP) system to generate Tax Invoice (Bill) to consumers & SPP.  Details of ERP system and Hybrid Power Park Enterprise system shall be finalised during detail engineering.  Revenue and billing system will be part of the HPCMS and in the scope of bidder.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions
14	Vol II Sec-2-27-DTS_HPCMS_PSS_Rev 3	8	SYSTEM DESCRIPTION  DESIGN REQUIREMENTS	2.6.0  3.1.3	The communication protocol between HPCMS and Field SCADA shall be on OPC or RDBMS shadowing and shall be firmed up during detail engineering. There shall not be any limitation on the protocol implementation. The communication link between HPCMS and Field SCADA shall be through Fiber Optic cable.  The Main SCADA shall collect and accumulate the data from Solar/Wind Plots through Field SCADA. The Solar/Wind Plots shall be controlled from the HPCMS OWS for MW and MVAr dispatch. The data exchange between the Main SCADA and Field SCADA shall be through OPC communication Protocol or through Database shadowing, both utilizing the TCP/IP network.	The architecture diagram also mentions IEC 104 as an option to communicate HPCMS with field/plant SCADA. Please confirm if we can use IEC 104.	The communication protocol between HPCMS and Field SCADA shall be on OPC or RDBMS shadowing.  IEC 104 shall be used between HPCMS & CTUIL/NLDC/RLDC.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions
15	Vol II Sec-2-27-DTS_HPCMS_PSS_Rev 3	8	DESIGN REQUIREMENTS	3.1.4	The Main SCADA shall integrate the SAS for the Control & Monitoring of the Substations. The SAS shall be part of the Main SCADA and can carry out data exchange on IEC 103 / DNP / IEC 61850 /Modbus (TCP/IP or RTU) protocol. HPCMS OWS shall have provisions to Control and monitor the Substation.	The mentioned protocols are substation level protocol for sub-device communication within the substations. The SAS systems are capable of communicating on protocols for control center which is IEC 104. Hence IEC 104 shall be mentioned as the protocol for communication between Main SCADA and SAS.  Please confirm.	IEDs to system communication shall be on In IEC 103 / DNP / IEC 61850 /Modbus (TCP/IP or RTU) protocol.  However, IEC 104 shall be used between HPCMS & CTUIL/NLDC/RLDC.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions
16	Volume-II, Section-2.27, HPCMS	9	DESIGN REQUIREMENTS	3.1.8	The SCADA shall communicate with the RLDC/SLDC on IEC 104. The Data exchange shall be Real Time and also Report. The Report like the daily/Monthly/Yearly Generation and the daily/weekly/monthly Schedules shall be sent cyclically.	Please confirm if the data transfer is only through IEC101/IEC104 (or) ICCP is also an interface option. Also the mode of interface for reports shall be through FTP.  Please confirm.	IEC 104 shall be used between HPCMS & CTUIL/NLDC/RLDC.  Mode of interface for reports through Secure-FTP is also acceptable.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions
17	Volume-II, Section-2.27, HPCMS	9 10 16	DESIGN REQUIREMENTS  DESIGN REQUIREMENTS  TECHNICAL REQUIREMENTS	3.2.0 3.3.0-3.3.13 4.1.0	<b>HPCMS-PPC</b>  <b>Controller Sub-System</b>  The HPCMS shall contain the following main functional parts: b) Redundant hot standby Controller/s c) Power Plant Controller (PPC) and its system	A centralized generation management/control as an extension of the Main SCADA with the generation management/control application can also be provided as the solution. This will not require the intermediate PPCs. The Main SCADA with the Generation application will directly monitor and control by interfacing with the field/plant SCADA.  This will also enable to optimize the solution and removing intermediate PPC.  Please confirm if such a solution with Main SCADA + Generation Management application and without the separate PPCs can be proposed.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions
18	Volume-II, Section-2.27, HPCMS	11	DESIGN REQUIREMENTS	3.3.14	The Remote I/O panel is placed at PGCIL end .The remote I/O panel shall be provided with redundant processor, redundant power supply unit and redundant communication modules etc., on as required basis for the measurement of PQM, AI/AO or DI/DO.	The requirement of remote IO panel with redundant processor, redundant power supply unit and redundant communication modules is not clear.  Please clarify.	Remote I/O panel is for PQM data/Breaker Status to be indicated to PSS-1 PPC system as shown in Communication Architecture Drawing (FCE-1721125-CI-DWG-CMS-4100-002). Bidder shall refer clause no 2.5.0 d),e) 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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19	Volume-II, Section-2.27, HPCMS	15	Field SCADA:	3.8.0	The Field SCADA shall facilitate redundant communication to the Main SCADA using OPC or RDBMS shadow methodology....	The architecture diagram also mentions IEC 104 as an option to communicate HPCMS with field/plant SCADA. Please confirm if we can use IEC 104.	IEC 104 shall be used between HPCMS & CTUIL/NLDC/RLDC.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions
20	Volume-II, Section-2.27, HPCMS	15	Field SCADA:	3.8.0	...The Field SCADA shall be provided with Fiber Port to communicate with Main SCADA System.  The Field SCADA shall communicate with the Numerical Relays on IEC 61850 Protocol for Data Communication. The Relay network shall utilize ring network topology. Field SCADA shall accumulate the Breaker/Isolator Status, Metering information through Digital/ Analog Data. Field SCADA shall have Digital Output facility to Control the Breaker/Isolator through IEC 61850 Protocol. Field SCADA shall communicate with PQM, Tariff Meters and panel meters on Modbus /IEC 107 protocol...	We understand the field/plant SCADA is not in the bidder's scope and will be provided by GIPCL.  Please confirm.	IEDs to system communication shall be on In IEC 103 / DNP / IEC 61850 /Modbus (TCP/IP or RTU) protocol.  However, IEC 104 shall be used between HPCMS & CTUIL/NLDC/RLDC.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions
21	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 Performance Parameter for Transformer as Specified in TS shall be Demonstrated during tetsing at Factory only. Performance parameter testing for Transformers at site is not envisaged . We understand that during Performance Guarantee test Auxiliary Power consumption of PSS System & Auxiliaries shall be demonstrated as per clause 32.2 of SCC. Kindly Confirm.	Guarantee performance parameter for transformer shall be demonstrated during factory testing stage as per applicable IS/IEC standards.  Performance guarantee test for Auxiliary Power consumption of PSS-1 shall be demonstrated at site as per tender clause 32.2 of Vol I Sec 5 SCC_PSS_1 PH-1&2_R3.  No Change in Tender Conditions. Bidder shall Comply with Tender Conditions
22	Vol I Sec 4 GCC_PSS_1 PH-1 and 2_R3	35  28	GUARANTEE  WARRANTY	45.1  36.1	.....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).  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.	We request GIPCL to accepert warranty period for transformer and GIS - 60 months from the date of commissioning and for rest of the equipment the warranty period shall be twelve (12) calendar months commencing immediately upon the Commissioning of the PSS	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions
23			General			In case the Contractor's performance is delayed for reason not attributable to the Contractor, then the Contractor shall be given equitable extension for a period of time lost and cost compensation by any such reason for completion of the Works. Please confirm.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions
24	Vol I Sec 5 SCC_PSS_1 PH-1 and 2_R3	5	WORK COMPLETION PERIOD	7.1	The project schedule for design, engineering, manufacturing, supply, delivery at site, loading, unloading, handling at site, civil construction, erection, testing, commissioning, 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.	Completion Period for design, engineering, manufacturing, supply, delivery at site, loading, unloading, handling at site, civil construction, erection, testing, <b>commissioning</b> 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 <b>18 months from the date of issue of LOI</b> . The design, engineering, manufacturing, supply, delivery at site, loading, unloading, handling at site, civil construction, erection, testing and commissioning of 400/33 kV Pooling Substation (GIS) (Two) nos. 340MVA, 400/33/33kV Power Transformers system, 400kV GIS Bays and auxiliaries of Phase-II shall be <b>20 months from the date of LOI</b> .	Bidder shall refer amendment-2.
25	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 basis except the price variation allowed for the item listed below.  A) Price variation clause for Power Transformer above 33kV up to 400kV Voltage level....	PV calculation shall be done based on the actual quoted price (without any upper ceiling on EXW price) in line with IIEEMA PV calculation methods irrespective of scheduled / delayed delivery or project completion. PV shall be calculated based on actual as well as schedule delivery date of the Transformer, however lower out of the two value shall be considered for price escalation /reduction.	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions
26	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	48	TECHNICAL PARAMETERS	Sr. No. 9, 10 & 11	9)Type of cooling : ONAN/ONAF 10) ONAN Rating : MVA: 204 11) ONAF Rating : MVA :340	With reference to above, the cooling requirement for 340MVA , 400/33/33kV , 3 Phase Power Transformer in ONAN/ONAF. For large rating Transformers like 340MVA, 400/33-33 kV, 3-phase PT placing radiators on tank is difficult and need to go for separately mounted radiator bank. If the cooling of transformer is ONAN/ONAF, oil has to flow naturally through convection process from winding to radiator bank. This separately mounted radiator bank will create head loss under oil natural condition and velocity of oil will be reduced thus increases winding gradient. In this regards, we strongly recommend ONAN/ONAF/OFAF cooling to improve the velocity of oil by forced circulation. The percentage of MVA rating in different cooling stages shall be 60 /80 /100% for ONAN / ONAF / OFAF cooling i.e. 204/272/340 MVA	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions

**Consolidated Response to Bidder's Queries -2**

**Referenece:**

- 1) Tender Enquiry document for Pooling Substation 400/33 kV(PSS-1, Phase-I & Phase-II of 600 MW Each) of Solar/Wind/Hybrid RE Park of 2375 MA Capacity at Great Rann of Kutch area, Gujarat (RFP No. GIPCL/RE Park/PSS/Phase-I Dtd. 07.04.2022)
- 2) Queries received 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-1)	Bidder's Queries	GIPCL reply / clarification to Pre Bid Queries
27	Vol II Sec-2-2-DTS_Stepup PT_PSS_Rev 3	48	TECHNICAL PARAMETERS	Sr. No. 9, 10 & 11	9)Type of cooling : ONAN/ONAF 10) ONAN Rating : MVA: 204 11) ONAF Rating : MVA :340	With reference to above, the cooling requirement for 340MVA , 400/33/33kV , 3 Phase Power Transformer in ONAN/ONAF. For large rating Transformers like 340MVA, 400/33-33 kV, 3-phase PT placing radiators on tank is difficult and need to go for separately mounted radiator bank. If the cooling of transformer is ONAN/ONAF, oil has to flow naturally through convection process from winding to radiator bank. This separately mounted radiator bank will create head loss under oil natural condition and velocity of oil will be reduced thus increases winding gradient. In this regards, we strongly recommend ONAN/ONAF/OFAF cooling to improve the velocity of oil by forced circulation. The percentage of MVA rating in different cooling stages shall be 60 /80 /100% for ONAN / ONAF / OFAF cooling i.e. 204/272/340 MVA	No Change in Tender Conditions. Bidder shall Comply with Tender Conditions