

REPLIES TO PRE BID QUERIES LOT 1 DATED 29.01.2024

NIT NO : PNMM/PC 183/E 4024/NCB DATED 12.01.2024

SUB : CONSTRUCTION OF 220 KV LILO GIS AT TALCHER FERTILIZERS LIMITED

S No.	Clause no.	Document clause	Queries to customer	Customer replies
1	Chapter -II, Detailed technical specification	Clause no.2 : Soil Investigation report	Soil Investigation report is available for Plant area only for reference purpose, We understand that during execution if any changes in soil parameter on the proposed s/s area that to be taken care by TFL	Any Soil Investigation Report enclosed with the tender is indicative only and is purely for reference purpose to the bidder. The CONTRACTOR shall carryout detailed soil investigation for the proposed plant afresh. The CONTRACTOR shall design and construct all foundations as per requirements with no extra cost to OWNER / Project Management Consultant (PMC).
2	SECTION-V, Special Condition of Contract	Clause no. 10: Completion schedule	The over all completion period is very less considering complete GIS S/S including civil work & short ckt test on transformer in side the existing TFL premises. Request you to consider the project duration at least for 18 months.	No change, Same shall be as per NIT.
3	Annexure-II, Project Bill of Quantity	Sl no. 33.01, Short Circuit Testing of Power Transformer	WE understand that S/C test to be carried out for new same Transformer, which to be supplied in this project. Please confirm.	Provision of the Tender Document and Price Schedule are amply clear in this regard and same shall prevail.
4	Annexure-II, Project Bill of Quantity	Sl no. 33.01, Short Circuit Testing of Power Transformer	S/C test for New Transformer is time taking matter (it is depend on time slot of particular Gov lab on that particular period and time taking for to & from movement) and most of Transformer OEM are not ready to carried out the test. In that request you to accept the S/C test on similar (As per IEC / IS) type transformer. Kindly accept the same.	Provision of the Tender Document shall prevail.
5	SECTION-V, Special Condition of Contract	Clause no. 45: Statutory Approvals	Under statutory approvals, we understand that only CEIG approval is applicable for this project. Kindly confirm	All statutory approvals w.r.t. 220kV GIS works is in Bidder's Scope.
6	SECTION-V, Special Condition of Contract	Clause no. 35: Inspection	Understand that inspection shall be carried out by Owner / Owner nominated consultant and on that travelling, fooding & others cost are not in bidder scope	Provision of the Bid Document are amply clear in this regard and the same shall prevail.

7	SECTION-IV, General Condition of Contract	Clause no. 83: Training of employer's personnel	Understand that training related travelling, fooding & others cost are not in bidder scope. Also request you to share the Training requirement details (item wise).	Provision of the Bid Document are amply clear in this regard and the same shall prevail.
8	SECTION-VI, Scope of Work & Technical Specifications	SPECIAL CONDITIONS OF CONTRACT Clause no. 1.3	Understand that a) 33kV out going Buried cable from H pole is not in present scope. b) 220kV Cable Sealing end to further cable works for MRSS fdr-1 & 2.	a) 33kV overhead line from the 3-pole structure is not in Bidder's Scope. However, 33kV Cable from 33kV AIS to the 3-Pole structure is in Bidder's Scope. b) 220kV Cable Laying works (excluding Subbly of 220kV Cable) including supplying and erection of 220kV Cable Terminations at both the ends is in Bidder's Scope. Provisions of Bid Document and Price Schedule is amply clear in this regard and same shall prevail.
9	General	Scope	We understand that drg / design / document approval to be taken from PDIL Noida office only. Further approval from any is not in bidder scope.	drg / design / document approval shall be obtained from OPTCL. Provisions of the Bid Document are amply clear in this regard.
10	General	Protection Single Line Diagram	Kindly confirm the protection requirement as per technical spec or as mentioned PSLD e.g. as per spec in Line protection, M1 is Distance cum differential, and M2 is only distance, where as in PSLD M1 & M2 both are distance protection.	PSLD shall prevail. Bidder's are requested to quote as per the Price Schedule.
11	General	Protection Single Line Diagram	Kindly confirm the requirement of Busbar protection at 33kV level	Only CT for BB Protecion is provided
12	General	Protection Single Line Diagram	We understand that BCPU is not separately required for 33kv feeders	As per approved PSLD note in addition to BCPU one seperate IED required for O/C & E/F
13	General	Protection Single Line Diagram	As per PSLD, MCT is AIS type with 5C arrangement, we understand that balance 4C are spare protection core (PX class). However as a standard practice MCT is dedicated CT with only metering core. PI confirm the requirement.	Provision of the Tender Document in this regard are amply clear. Bidders are requested to quote accordingly
14	General	Protection Single Line Diagram	Kindly confirm the Distance of MRSS-1 & 2, in M1 21 and requirement of 87L and M2 only 21	Both M1 & M2 shall have 87L and 21.
15	TECHNICAL SPECIFICATION FOR 220kV SF6 GIS	Clause no. 1.4	At 50 Deg C., the rated current carrying capacity shall be derated to below values. 1. busbar : 2500 A & 2. switchgear : 2600 A	Provision of the Tender Document in this regard are amply clear and same shall prevail.

16	TECHNICAL SPECIFICATION FOR 220kV SF6 GIS	Clause no. 4.3 & 4.4	Offered GIS type 8DN9 (220 kV) is having separate busbar and busbar disconnecter compartments. Further, offered GIS is our globally proven type tested design having passive non segregated 3 phase encapsulated busbar design meeting all the functional requirements of service continuity as per specifications. We confirm offered GIS is line with all latest requirements of IEC 62271-203.	Provision of the Tender Document in this regard are amply clear and same shall prevail. However, in case of award, the Bidder shall submit method statement with Gas drawing to demonstrate the same.							
17	TECHNICAL SPECIFICATION FOR 220kV SF6 GIS	Clause no. 4.5	As per table 4 of IEC 62271-203 (2022), burn through is allowed in the enclosure. We confirm to the requirements of IEC. <table border="1" data-bbox="790 491 1099 560"> <tr> <td rowspan="2">≥40 kA r.m.s.</td> <td>1</td> <td>0.1 s</td> <td>No external effect other than the operation of suitable pressure relief devices</td> </tr> <tr> <td>2</td> <td>≤0.3 s</td> <td>No fragmentation (burn-through is acceptable)</td> </tr> </table>	≥40 kA r.m.s.	1	0.1 s	No external effect other than the operation of suitable pressure relief devices	2	≤0.3 s	No fragmentation (burn-through is acceptable)	Provision of the Tender Document in this regard are amply clear and same shall prevail.
≥40 kA r.m.s.	1	0.1 s	No external effect other than the operation of suitable pressure relief devices								
	2	≤0.3 s	No fragmentation (burn-through is acceptable)								
18	TECHNICAL SPECIFICATION FOR 220kV SF6 GIS	Clause no. 4.7	The conductors shall be made up Aluminum alloy as per our type tested design. We request your kind acceptance.	Provision of the Tender Document in this regard are amply clear and same shall prevail.							
19	TECHNICAL SPECIFICATION FOR 220kV SF6 GIS	Clause no. 4.24	For the operation of our standard GIS and as per attached arrangement drawing. Stairways,walkways,etc are not required. For any unlike access to GIS components portable ladder is offered with this offer.	Provision of the Tender Document in this regard are amply clear and same shall prevail.							
20	TECHNICAL SPECIFICATION FOR 220kV SF6 GIS	Clause no. 4.27 ii)	The same facility is not possible to provide. Thus request you to kindly accept the same. In case the quality of the gas is to be measured it can be done with the help of a portable gas analyzer kit, which shall be excluded from our scope.	Provision of the Tender Document in this regard are amply clear and same shall prevail.							
21	TECHNICAL SPECIFICATION FOR 220kV SF6 GIS	Clause no. 4.35	The GIS layout shall be as per manufacturer's standard design and normal practice used for all the previous supplies. Request you to kindly accept the same.	Provision of the Tender Document in this regard are amply clear and same shall prevail.							
22	TECHNICAL SPECIFICATION FOR 220kV SF6 GIS	Clause no. 4.36	We confirm the provision for future extension is available in the offered 220kV GIS meeting functional requirement of service continuity. We understand that any requirement of design and supply of interface module along with the associated hardware etc. as per tender shall be part of OEM performing future extension. Thus, any interface module supply is excluded from GIS OEM scope.	Provision of the Tender Document in this regard are amply clear and same shall prevail.							

23	TECHNICAL SPECIFICATION FOR 220kV SF6 GIS	Clause no. 5.7(a)	The degree of protection shall be IP 43 for indoor installation of GIS. We have supplied the same in all our previous supplies. Request you to kindly accept the same.	Bidder's request in this regard may be accepted.
24	TECHNICAL SPECIFICATION FOR 220kV SF6 GIS	Clause no. 17	We confirm to the BIL of the breaker as per the values specified in IEC 62271-100.	Shall be as per the table from IEC 60694 & IEC 62271-100
25	TECHNICAL SPECIFICATION FOR 220kV SF6 GIS	Clause no. 19	The maximum number of operation at rated breaking capacity are 9 for single phase of 245 kV CB. Request you to kindly accept the same.	Provision of the Tender Document in this regard are amply clear and same shall prevail.
26	TECHNICAL SPECIFICATION FOR 220kV SF6 GIS	Clause no. 6.2.2	The bus charging sequence is not applicable for disconnectors below 300 kV as per IEC 62271-203.	Bidders are requested to follow as per IEC 62271-102, Annexure-F
27	TECHNICAL SPECIFICATION FOR 220kV SF6 GIS	Clause no. 6.2.12		
28	TECHNICAL SPECIFICATION FOR 220kV SF6 GIS	Clause no. 7.2	There shall be only electrical interlock between the DS and the ES. Additionally, we shall provide padlocking facility on the drives. Request your kind acceptance.	Provision of the Tender Document in this regard are amply clear and same shall prevail.
29	TECHNICAL SPECIFICATION FOR 220kV SF6 GIS	Clause no. 13.2.10	electrical bolt interlock is not applicable for the 220 kV GIS level. We shall provide padlocking facility for the drives. Request your kind acceptance.	Provision of the Tender Document in this regard are amply clear and same shall prevail.
30	TECHNICAL SPECIFICATION FOR 220kV SF6 GIS	Clause no. 19	Shock indicators shall be provided only for VT and Surge arrester. For other equipment's, requirement of shock indicators is not envisaged as per manufacturer's design. The same philosophy is adapted and proven in previously executed projects.	Provision of the Tender Document in this regard are amply clear and same shall prevail.
31	TECHNICAL SPECIFICATION FOR 220kV SF6 GIS	Clause no. 2.01	HSES is asked for in the BOQ in transformer bay. However the same is not shown in the SLD. We do not envisage the need of HSES in trafo bay, Thus we shall provide the regular Maintenance earth switch, request you to kindly confirm the same.	Bidders are requested to refer the Single Line Diagram and Protection SLD issued along with the Tender Document in this regard

32	Protection Single Line Diagram	Busbar Measuring VT	We recommend to proceed with VT with manual isolating type VT in BBM instead of motorized isolated VT. If the VT is motorized, then remote operation is possible. However, the isolation of VT is required only during O&M operation. This can be directly handled at site, which will help to reduce human error and any malfunction, and is better and reliable from safety perspective. This solution, being supplied in the previously executed projects is performing faultlessly.	VT isolator shall be Motorised. But operation shall be from Isolator Mechanism box only. Remote operation is not envisaged.
33	Boundary Coordinates	General	Bidder request M/s. Talcher Fertilizers to provide the substation boundary coordinates.	Refer Page 1558 of 1566 of NIT, in this regard.
34	CHAPTER – I TECHNICAL SPECIFICATION- GENERAL	1.1.1 SCOPE Geotechnical Investigation and Site Development (Completely levelled land shall i.e. up to FGL shall be handed over to the successful Bidder	Bidder request M/s. Talcher Fertilizers to provide the details of the contour survey along with contour map and details for required FGL of the proposed Switchyard to assess the foundations design and depth.	Fairly graded land site shall be provided to bidder . However, Micrograding work shall be carried out by bidder. Bidder to consider FGL as 101.250m for the proposed switch yard.
35	Annexure IV List of Tender Drawings	7) Plot Plan Layout (Reference) 7 m wide bituminous road from nearest access road in Bidder Scope	Bidder request M/s. Talcher Fertilizers to provide the length and section details of the bitumen road to be considered.	Bidder's are requested to visit the Site and ascertain the requiremnt on their own before quoting.
36	Annexure IV List of Tender Drawings	7) Plot Plan Layout (Reference) Main Gate	Bidder seeks confirmation that the main gate entry can be used for movement of Construction Vehicles during execution. Kindly confirm.	Same shall be followed as per standard practice adoptd by TFL.
37	CHAPTER – I TECHNICAL SPECIFICATION- GENERAL	9.16 Page 878 The covers for the cable trench inside the control room shall be provided with MS chequered plate	Bidder seeks confirmation on the thickness of the chequered plate to be considered as 6 mm. Kindly confirm.	6 mm thick is accepted.
38	CHAPTER – I TECHNICAL SPECIFICATION- GENERAL	20.2 PCC	Bidder seeks confirmation on the grade of PCC to be considered as Nominal mix M7.5 (1:4:8) . Kindly confirm.	Provision of the Tender Document in this regard are amply clear and same shall prevail.

39	CHAPTER – I TECHNICAL SPECIFICATION- GENERAL	20.4 STEEL REINFORCEMENT	Bidder seeks confirmation on the grade of TMT Steel bars to be considered as Fe500 . Kindly confirm.	Reinforcement TMT will be Fe-500 D (CRS)
40	CHAPTER – I TECHNICAL SPECIFICATION- GENERAL	Cement	Bidder seeks confirmation on the grade and type of Cement to be considered as OPC 43 . No special sulphate resistant cement to be considered. Kindly confirm.	As per NIT, Concrete grade - M25 Cement grade - OPC 43 is accepted.
41	CHAPTER – I TECHNICAL SPECIFICATION- GENERAL	13.0 STORM WATER DRAINAGE	Bidder request M/s. Talcher Fertilizers to provide the section details of the RCC type drain to be considered.	RCC Type Drain shall be as per OPTCL Standard
42	Civil Price Schedule	80. STONE PITCHING & TOE WALL	Bidder request M/s. Talcher Fertilizers to provide the length and width of the pitching area and height of Toe wall to be considered.	Bidders are requested to access the requirement based on their engineering on their own before quoting
43	CHAPTER – I TECHNICAL SPECIFICATION- GENERAL	11.2 AREAS REQUIRING FENCING	Bidder request M/s. Talcher Fertilizers to provide the height of the fencing from FGL to be considered.	Height of the internal fence from FGL is 1.8 m
44	Site Entry	General	We assume that necessary construction permission along with required gate passes without any delay will be provided to us for our staff, labor, vehicles and for working 24X7 round the clock. Kindly confirm	Same shall be followed as per standard practice adopted by TFL.
45	Drawings	General	Request M/s. Talcher Fertilizers to provide us the standard foundation drawings of tower foundations, equipment foundation, chain link fence, road, drain, crossings etc..	The drawings are in Bidder's Scope
46	Proposed Switchyard Land	General	We understand that proposed SWYRD land has been acquired by M/s. Talcher Fertilizers and same shall be handed over to us at the time of Notification of award . Please confirm	Yes, Proposed Land will be handed over with in one month after award of contract.
47	Hinderance Register	General	Hinderance register shall be maintained by us at site which shall include the delays due to force majures,rain fall, natural calamities, local issues etc. and extension/compensation shall be provided to us for the same.	Same shall be dealt as per terms and condition of NIT.
48	Price Variation clause	General	Due to the volatile market, request M/s. Talcher Fertilizers to add the price variation clause instead of fixed and firm contract for civil works and same shall be calculated based on the standard IEEMA formula in regular practices of any central utility like PGCIL.	Not allowed, Same shall be as per NIT.

49	Site office, stores, batching plant, fabrication yard etc.	General	Request M/s. Talcher Fertilizers to permit for having site office / stores / batching plant/fabrication yard within Talcher Fertilizers proposed site for smooth coordination works.	Same shall be provided as per NIT condition subject to availability
50	Hinderances in the proposed site	General	Trees / bushes / scrap materials/ collapsed boundary wall /cable drums/ stores etc. – These are the items which may cause hinderance during execution, Kindly confirm that the site will be handed over encumbrance free by clearing all the items as specified.	Fairly graded land site shall be provided to the CONTRACTOR. However, micro grading works shall be in CONTRACTOR's scope.
51	Construction power and water	General	We assume that construction power and water will be provided at one point within the proposed SWYRD in free of cost. Kindly confirm	Construction water & power shall be provided by TFL at single point on chargeable basis. Further distribution of water and power shall be arranged by contractor itself. Unit rate for Construction water & power shall be charged as per actual basis.
52	Testing Laboratory	General	We request you for the details on the approved construction material testing laboratory.	The same shall be confirmed after award of the Contract.
53	Storm water drainage Outfall point	General	We request M/s Talcher to confirm the distance of outfall point for storm water drainage from substation premises.	Minimum velocity in a RCC drain shall be 0.6 m/s and max velocity shall be 2.4 m/s. The drain outflow point/ or (Tie in point to nearest drain in the plant) shall be decided during detailed engineering and after finalization of Contour Survey & GA Layout.

54	Removal for underground and above ground structures	General	As per clause, all above ground structures will be demolished by Owner. All underground facilities/structures shall be demolished/ removed by the Contractor provided removal of former will not disturb the functions of existing plant. Rerouting of cables / pipes, etc. encountered during excavation in the plot shall be in Bidder's scope of work. Existing piles if any, needs to be adjusted while making new piling/foundations. For this clause, Request M/s Talcher Fertilizers to keep all under and overground dismantling/removal/hindrances in their scope and provide hassle free land to successful bidder.	No change, Same shall be as per NIT.
55	Pile Foundations	Civil Design	We request M/s Talcher to confirm that no pile foundations are envisaged in the substation area.	Pile Foundation is not envisaged as of now, but it shall be decided after soil investigation report. Presently, other sub station buildings (within plant area)are not on pile foundation but on isolated or raft foundation.
56	Use of M Sand	General	We would like to propose for using of Manufacture Sand for all civil works since scarcity of river sand and mining restriction by the Govt. Kindly confirm	Pls be informed that natural sand is easily available at site and are being used in all current jobs. Therefore, RCC works must be done using natural/ river sand. NIT to be followed for all civil works.
57	Site Clearance	General	Bidder understands that Rerouting & demolishing of existing distribution line poles etc. (if any) are not under bidder scope. Kindly confirm	Bidder understanding is correct.

58	Right of way	General	<p>Bidder understands that any clearances/activities w.r.t. a) Forest Clearance and Tree Cutting (as applicable) b) Right of Way c) Railway Clearance (if applicable) d) Unauthorized Construction e) any other site access restrictions shall be in Customer's scope. Kindly confirm.</p> <p>Any cost incurred w.r.t. the same shall be to Customer's Scope. Suitable time extension shall be given to the bidder for such access restrictions/other restrictions. Kindly Confirm.</p>	Regarding Point (a), (b) & (c) bidder understanding is correct. However, Point (d) & (e) shall be taken care by bidder within their batter limit. No additional cost shall be payable for access restriction/ other restriction.
59	SECTION-V, Special Condition of Contract	25 Liquidated Damages	<p>Kindly add the add the following in the existing clause:</p> <p>Notwithstanding anything above, Payment of such Liquidated Damages shall completely satisfy the Owner as a remedy for delays by Contractor. The Contractor shall be under no other liability towards the Owner for delay of works.</p>	No change. Shall be as per NIT.
60	SECTION-V, Special Condition of Contract	Additional Clause	<p>Kindly add the clause with the following:</p> <p>Notwithstanding anything above, Overall liability shall be limited to the 100% of the Contract value in all circumstances.</p> <p>Contractor shall in no event be liable, whether pursuant to any indemnity or in contract, tort (including negligence and statutory duty) or otherwise for loss of profit or revenue, loss of production, interruption of operations or loss of use, cost of capital, loss of interest, loss of information and/or data, for claims arising from Owner's contracts with third parties, loss of power, cost of purchased or replacement power, or for any indirect or consequential damage.</p>	No Change. Shall be as per NIT.

61	SECTION-V, Special Condition of Contract	Clause 44	<p>Please add the following as a separate clause:</p> <p>In case of change in the rates of any taxes, duties, levies or if new taxes, duties or levies (e.g. GST) are initiated by the Central / State Government / local bodies, then the same will be to the account of Owner and shall be reimbursed by Owner. Change in judicial interpretation and / or any clarification or amendment made by the relevant authorities shall be construed to be a change in the rate of taxes, duties, levies and / or imposition of new tax, duty or levy.</p> <p>If applicable laws, rules and regulations, engineering standards and codes of practice, and decisions or guidance issued by courts or public authorities are amended or added to after the date of Contract signature, Contractor shall be entitled to an adjustment of the Contract, including inter alia an adjustment of the Contract Price to reflect any additional costs to be incurred by Contractor, the time schedules and scope of Works, as necessary in order to compensate for any adverse effects or additional requirements deriving from such changes.</p>	<p>No change. Shall be as per NIT.</p>
62	SECTION-V, Special Condition of Contract	45 Statutory approvals	<p>Please add the following at the end the existing clause: All licenses/certificates from Government Authorities/Electricity Board/PWD/other relevant authorities, authorizing the Works to be executed/ certified, shall be procured by Owner.</p> <p>Contractor shall not be responsible for any of approach road clearances, right of way and other statutory approvals required to taken in the name of Owner .The same shall be in the scope of Owner.</p>	<p>NIT clause shall Prevail.</p>

63	Additional clause	Effective Date of Contract	<p>Kindly add the following as a additional clause: Effective date of Contract shall start when all of the following activates have occurred: a)Contractor has send the confirmation receipt of Purchase Order, b)Owner has handed over the clear site without any hindrance, c) Receipt of Advance payment from Owner.</p>	No change. Shall be as per NIT.
64	SECTION-V, Special Condition of Contract	SCC 40.0 TERMS OF PAYMENT	<p>Request you to modify the existing payment terms with the following: 40.2 B) Electrical Works: I) 220kV GIS Substation & associated 220kV U/G Cabling works; a) For Supply Items (excluding Mandatory Spares); ☒ 20% 25% upon successful Inspection and Dispatch Clearance ☒ 60% 65% upon receipt, storage and physical verification at site ☒ 10% on commissioning completion of individual Testing of equipment ☒ 5% on Successful completion of erection testing and commissioning of the 220kV Substation and associated 220kV U/G Cabling works ☒ Balance 5% (Retention Money) shall be released along with final bill</p>	No change. Shall be as per NIT.
65	SECTION-IV, General Condition of Contract	Additional Clause- Force Majeure	<p>Bidder request the addition of following clause Contractor shall not be obligated to fulfill the Contract if such fulfillment is prevented by any impediments arising out of national or international foreign trade or customs requirements or any embargoes or other sanctions.</p>	No change. Shall be as per NIT.

66	SECTION-V, Special Condition of Contract	Additional Clause Suspension	<p>Please add the following in the existing clause: Contractor may suspend performance of its obligations under the Contract if (i) the Owner is in delay with any payment or in providing any payment security required under this Contract for more than 30 days, (ii) the Owner fails to perform those of its obligations necessary for Contractor/Contractor to provide the Works; or (iii) the Owner otherwise materially breaches the Contract. Further in the event of suspension, the Owner shall become immediately liable to pay Contractor for all parts of the Works already provided. The Owner shall further reimburse Contractor all reasonable additional costs and expenses incurred as a result of such suspension (e.g. payments to subcontractors, cost of waiting time, demobilization and remobilization, etc.). Any contractual dates shall be extended for a reasonable period to overcome the effects of the suspension.</p>	<p>No change. Shall be as per NIT.</p>
67	SECTION-IV, General Condition of Contract	Termination of Contract	<p>Please add the following in the existing clause: The termination of contract shall only happen for a major & substantial breach of contract by Contractor after a reasonable cure period has elapsed and the breach is still not rectified. In the event of termination by Contractor, Contractor shall be entitled to recover from the Owner (i) the Contract Price less any saved or avoided expenditure and (ii) any additional cost and expenses incurred by Contractor due to such termination. Any termination by the Owner shall not affect those parts of the Works already delivered or performed in accordance with the Contract prior to termination. In the event of termination of the Contract in accordance, the Owner shall remain liable to pay Contractor for all parts of the Works already provided prior to termination. The Owner shall be entitled to compensation for the reasonable costs incurred in excess of the Contract Price if it has had the Works completed by a third party.</p>	<p>No change. Shall be as per NIT.</p>

68	SECTION-V, Special Condition of Contract	Additional Clause	<p>Please add the following as a separate clause in the tender documents;</p> <p>If Contractor notifies the Owner that the Works or a part of the Works are ready for acceptance, the Owner shall declare the acceptance of the Works or relevant part in writing within two weeks of the notified date. Upon expiry of the two week period the Works or relevant part of the Works shall be deemed accepted, unless the Owner has stated and substantiated in writing legitimate grounds on which it refuses acceptance. The acceptance shall be effective as of the date of Contractor' notification.</p> <p>In any event, the works shall deemed to be accepted if put in the commercial operation by the Owner.</p> <p>In case commissioning is delayed by more than 90 days from the scheduled date as notified by the Contractor to the Owner, due to reasons not attributable to Contractor/Supplier, then it will be considered as deemed commissioned.</p> <p>Consequently, the defect liability period shall start and the final payment due to Contractor (if any) shall become due to the Contractor.</p>	<p>No change. Shall be as per NIT.</p>
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69	SECTION-IV, General Condition of Contract	54 Spares	<p>Request you to modify the existing clause as mentioned below:</p> <p>54.1 The CONTRACTOR shall furnish to the EMPLOYER all spares required for COMMISSIONING of the plants, recommendatory and/or mandatory spares, which are required essential by the manufacturer/supplier. The same shall be delivered at SITE, 3(Three) months before COMMISSIONING. Also the CONTRACTOR should furnish the manufacturing as-built drawings for fast wearing spares.</p> <p>54.2 The CONTRACTOR guarantees the EMPLOYER that before the manufacturers of the equipment, plants and machineries go out of production of spare parts for the equipment furnished and erected by him, he shall give at least twelve (12) months' advance notice to the EMPLOYER, so that the latter may order his requirement of spares in one lot, if he so desires. Functional equivalent of spare parts shall be acceptable to Owner.</p>	<p>No change. Shall be as per NIT.</p>
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70		Additional Clause COVID 19	<p>Please add the following clause to the contract:</p> <p>The Owner acknowledges that Works on Site may generate and/or uncover hazardous waste which is subject to specific legal or regulatory requirements under applicable laws “hazardous materials” or “hazardous waste”.</p> <p>If Contractor discovers hazardous materials (including asbestos), environmentally hazardous substances, geological or geothermal conditions, archaeological findings or any other local environmental conditions which have an adverse effect on the Works, the Owner shall be liable for any required remediation and shall also reimburse Contractor for any reasonable additional costs and expenses. Contractor shall also be entitled to a proportionate extension of time to provide the Works. The Owner shall, at its expense, provide containers complying with all legal and regulatory requirements and shall handle, store and dispose of hazardous waste in accordance with the applicable laws.</p> <p>Contractor shall not be obliged to provide the Works on Site in unhealthy or dangerous surroundings. All the necessary safety and precautionary measures shall be taken by the Owner, at no cost to Contractor, before the Works on Site commence and shall be maintained by the Owner during Contractor’ performance of the Works on Site.</p>	<p>No change. Shall be as per NIT.</p>
71	SECTION-IV, General Condition of Contract	Additional Clause COVID 19	<p>Please add the following as a separate clause:</p> <p>The Parties acknowledge the worldwide outbreak of the COVID-19, which is likely to affect the execution of the Agreement. The Parties agree, that Supplier shall be entitled to reasonable adjustments of the Delivery Schedule/ milestones/ delivery dates as well as to reimbursement of costs to the extent the delay and the costs are caused directly or indirectly by the outbreak of COVID-19.</p>	<p>Provision already exists in force majeure.</p>
72	SECTION-V, Special Condition of Contract	23.0 DEFECT LIABILITY PERIOD	<p>We request you to replace the existing clause as mentioned below: 24 months from the date of supply of equipment or 18 months from the date of handing over, whichever is earlier.</p>	<p>No change. Shall be as per NIT.</p>
73	Section-III Instructions to Bidders (ITB)	Prices quoted by the Bidder	<p>Request you to provide the price variation as per IEEMA basis for all the electrical and service items.</p>	<p>No change. Shall be as per NIT.</p>

74	SECTION-V, Special Condition of Contract	SCC 40.0 TERMS OF PAYMENT	We understand that all payments under this project shall be released within 30 days from the date of invoice.	Shall be as per NIT.
75	SECTION-V, Special Condition of Contract	44.5 BOCW (BUILDING AND OTHER CONSTRUCTION WORKS)	We understand that BOCWA Cess@1% shall be applicable only on the Service portion and not on the Supply portion. Please confirm.	Bidder's Understanding is correct.
76	SECTION-V, Special Condition of Contract	52.1 A separate Bank Guarantee	Request you to delete the entire clause related to Additional Performance Bank Guarantee for major equipment.	NIT clause shall Prevail.

Sr. No.	Topic	Clause No.	Page No.	Existing Clause	Bidder's Query	PDIL Reply
77	Original document submission	Clause No 4.0	Page 10 of 1566	submitted in Original (in physical form) within 7 (seven) days(*) from the bid due date.	We understand that the physical documents are to be submitted between 05.02.2024 till 12.02.2024. However the date mentioned on the Envelope format given is 02.02.2024. Kindly confirm that we can submit the Physical documents till 12.02.2024	The date mentioned on the envelope may be read as 05.02.2024 instead of 02.02.2024. The physical document mentioned in IFB should reach PDIL within 07 days of bid opening
		Envelope	Page 12 of 1566	Due Date & Time : 02.02.2024 at 15:00 hrs.		
78	Bid Validity	Clause No 15	Page 119 of 1566	The bid validity period shall be 90 days from final 'Bid Due Date'.	Please clarify the Bid Validity is for 3 months or 4 months	Bid validity shall be as mentioned in BDS i.e 90 days
		GCC Clause No 7.1	Page 214 of 1566	Tender submitted by tenderers shall remain valid for acceptance for a period of "4 MONTHS" from the date of opening of the tender.		
79	Technical Specification	-	Page 402 of 1566	-	Kindly provide technical specification for Conductors, EOT Crane, Cable Tray and OPGW	Necessary details/ GTP for the material are part of the Tender Technical Specifications. Bidders are requested to refer the same.
80	Approved Vender List		Page 1523 of 1566		Kindly provide approved vendor list for DG set, EOT Crane, Battery, Fire Protection System. The same is also not Mentioned in given OPTCL Vendor List	All the makes shall be as per OPTCL's approved Vendor List.
81	220 kV GIS Building	BOQ Item No 65.1	-	Area given approximate 320 Sqm. & item is in lot	We understand that 320 Sqm is approximate requirement. Kindly confirm if any increase in size during detailed engineering , it will be payable on pro rate basis on lot.	Bidders are requested to quote as per the Price Schedule.
82	Control Room Building	BOQ Item No 66	-	Area given approximate 382 Sqm. & item is in lot	We understand that 382 Sqm is approximate requirement. Kindly confirm if any increase in size during detailed engineering , it will be payable on pro rate basis on lot.	Bidders are requested to quote as per the Price Schedule.
83	FFPH	BOQ Item No 70	-		Pl. confirm if there is any requirement for EOT crane for the same.	Provisions of Bid document are amply clear in this regard. Bidders are requested to refer the same and quote as per the Price Schedule.
84	Provision of garden	BOQ Item No 79	-		Kindly provide the reference drawing.	No reference drawing is available.

85	Stone Pitching and stone wall	BOQ Item No 80	-		Kindly specify length and level difference present as the given Item is in lot.	Bidders are requested to access the requirement based on their engineering on their own before quoting
86	Bore well	BOQ Item No 84	-	BOREWELL: Including supply, fixing and commissioning of 1 Nos. 3 HP submersible water pump with starter and other protection	Location and availability of water to bore well is subject to the geographical survey. Kindly provide clearance on location and availability of underground water table.	Location of bore well shall be provided after finalization of GA.

Sno.	Ref Clause	Specification clause	Clarification	PDIL Reply
87	Section IV- Scope of Work- Civil clause iv page 22	Wherever pile foundations are required for Control room or GIS building, switchyard tower columns, Equipment foundation and transmission line towers etc., these are to be constructed as per the guideline indicated in the specification elsewhere. The type of pile foundations can be ascertained only after soil investigation and approval of the same.	We understand that the SBC report given with the tender is only for reference purpose. Successful bidder has to conduct SBC and take approval of the same. If in case, after conducting SBC, there is a requirement of piling then how the same will be included in the scope/amended in the BOQ.	Pile Foundation is not envisaged as of now, but it shall be decided after soil investigation report. Presently, other sub station buildings (within plant area)are not on pile foundation but on isolated or raft foundation.
88	BOQ Schedule 2B-SS Erection, Serial no. 33.01	Short Circuit Testing of 220/33kV, 20MVA, YNyn0, 3 phase Power Transformer at any Govt. Lab in India	We request you to kindly remove this as reconducting the type test at a Govt lab is a time consuming activity as all the Lab's have 9-10 months of waiting period, hence request you to accept similar or higher type test reports available with OEM's	Provision of the Bid Document shall prevail
89	SCC, Clause 10	Completion Period- 12 (Twelve) Months from date of issuance of FOA (Fax of Acceptance)	The completion period of 12 Months spelt in the contract looks to be inadequate in view of the delivery of GIS and Transformer from OEM's. Hence we request you to kindly revise the completion	No change, same shall be as per NIT.
90		220kV Cable	We understand that supply and laying of 220kV Cable between GIS and Transformer primary is not in our scope of work. Only termination at both ends is in our scope	Provisions of the Bid Document in this regard is amply clear. Bidders are requested to quote as per the Price Schedule.
91		Scope of work	We understand that grid connectivity & Load section is not in our scope	220kV LILO Line for Grid Connectivity is not in this Scope. However, Successful Agency shall be responsible for interfacing with the 220kV LILO Contractor for successful commissioning of the Substation.

S.No	Reference Document	Reference Clause/DocNo.	Technical Issue	Customer's Requirement	Clarification	PDIL Reply
92	Technical Specification	1. General Characteristic: CL 1.4 (8) PG. No. 3/59	Main Bus Bar	All parts of the switchgear and the bus ducts (for both indoor and outdoor applications) shall be 220kV system Single phase enclosure type and Bus bar shall be isolated three phase.	We would like to inform you that, we propose the following arrangement - For 220kV GIS - Busbar are Three Phase Encapsulated while CB & other Equipment are Three phase Segregated type Model. This Model is type tested as per IEC standard. Kindly accept the same. Also kindly confirm - between the bays in the busbar whether gas segregation is required or not.	Bidder's request in this regard may be accepted
93	Technical Specification	1. General Characteristic: CL 1.4 (8) PG. No. 90	Rated peak withstand current	Rated short circuit making current : 135 kAp.	We would like to inform you that, as per IEC 62271-1, clause no.4.6, rated peak withstand current equal to 2.5 times the rated short-time withstand current for a rated frequency of 50 Hz. We comply the same which is 125kAp. (for 50kA system) Kindly accept the same.	Bidder's request in this regard may be accepted
94	Technical Specification	4. General Design and Safety Requirement. CL 4.7 PG. No.79	Conductor Material	All the conductors shall be fabricated of copper tubes of cross sectional area suitable to meet the normal and short circuit current rating requirements	We would like to inform you that GIS is type tested for Aluminium alloy made conductor. The same shall fulfill the customer requirement. Kindly accept the same	Provision of Tender document shall prevail.
95	Technical Specification	4. General Design and Safety Requirement. CL 4.27 PG. No. 81	Alarm Circuit	Alarm circuit shall not respond to faults for momentary conditions. The following indications including those required elsewhere in the specifications shall be generally provided in the alarm and indication circuits. Gas Insulating System: i) Loss of Gas Density. ii) Any other alarm necessary to indicate deterioration of the gas insulating system.	We would like to inform you that, the signals for Gas density reduction are wired upto LCC with suitable annunciations. No additional alarm is necessary for gas deterioration apart from gas density signals. Kindly accept the same.	Provision of Tender document shall prevail
96	Technical Specification	4. General Design and Safety Requirement. CL 4.32 PG. No. 9/59	Pressure Relief Device	Manufacturer shall submit to the owner the detailed criteria/ design regarding location of pressure relief devices/rupture diaphragms.	We would like to inform you that, Each and every gas compartment is provided with pressure relief device / rupture diaphragm; hence no special design criterion is applicable to be submitted separately. Kindly accept the same.	Provision of Tender document shall prevail.
97	Technical Specification	4. General Design and Safety Requirement. CL 4.33 PG. No. 9/59	Pressure Vessel Requirement	The enclosure shall be designed for the mechanical and thermal loads to which it is subjected in service. The enclosure shall be manufactured and tested according to the pressure vessel code (ASME/CENELEC code for pressure Vessel.)	We would like to inform that, For pressure vessel code, we follow standard with IS and EN code. Also we will conduct all routine pressure test for enclosures as per Cl. 6.103-IEC 62271-203:2011. Kindly confirm the same.	Bidder's request in this regard may be accepted.
98	Technical Specification	4.36 Extension of GIS CL 4.36.1 PG. No. 10/59	Extension of GIS	The arrangement of gas sections or compartments shall be such as to facilitate future extension of any make without any drilling, cutting or welding on the existing equipment. To add equipment, it shall not be necessary to move or dislocate the existing switchgear bays.	We would like to inform you that as per the adjacent enclosure given in TS. we understand the Extension module is required for the future extension. However as per SLD extension is shown only in one side. Hence we have considered extension module in one side only. Kindly confirm the same	The side of Future Extension shall be decided during Detailed Design Engineering and finalization of the Layout.

S.No	Reference Document	Reference Clause/DocNo.	Technical Issue	Customer's Requirement	Clarification	PDIL Reply
99	BOQ/Technical Specification	4.37 SF6 GAS CL 4.37.4 PG. No. 12/59	Spare SF6 GAS	In BOQ: - SF6 gas (20% of total gas quantity). In Technical Specification:- SF6 spare gas shall be provided 10% of total gas volume with gas cylinder.	We would like to inform you that there is discrepancy in BOQ and Technical Specification. The requirement of spare SF6 gas mentioned with two different ways. As per our understanding, We have considered the spare SF6 gas as 20% of total gas. Therefore we request you to kindly confirm our understanding. Kindly accept the same	20% As per BOQ
100	Technical Specification.	5.7 Operating Mechanism PG. No. 14/59	Ingress Protection	Circuit breaker shall be operated by spring charged mechanism. The mechanism shall be housed in a dust proof cubicle and shall have IP: 45 degree of protection.	We would like to clarify more that, GIS under present scope is indoor type. Hence the possibility of water ingress is none/very less. In these conditions IP-42 shall be sufficient IP class. However we have type tested our GIS operating mechanism box for 245kV GIS up to IP-44 which shall be more than sufficient and will comply with customer requirement. Kindly accept the same.	Provision of Tender document shall prevail
101	Technical Specification.	7. Safety Grounding Switches	Mechanical Interlock	Safety grounding switch shall also be mechanically key interlocked with its associated Disconnectors.	We would like to inform you that, for 245kV GIS, mechanical interlocks are not feasible as the operating mechanism are having separate driving rods. We shall provide electrical interlocking, which shall suffice the customer requirement. Kindly confirm the same.	Provision of Tender document shall prevail
102	Technical Specification	9. Instrument Transformer CL: Technical Parameters for current transformer. PG. No. 24/59	Rated Dynamic Current	5. Rated Dynamic current :- 135kAp.	We would like to inform you that the rated dynamic withstand current for 50kA shall be 125kA and the same is considered as per IEC. So we request you to kindly accept as per IEC. Kindly accept the same	Bidder's request in this regard may be accepted.
103	Technical Specification	16. Design Review CL 16.7 PG. No. 37/59	Reports	a) Details regarding the loosely distributed metallic particles within the GIS encapsulation and calculations of critical field strength for specific particles of defined mass and geometry. b) The calculations and documents in support of the average intensity of electromagnetic field on the surface of the enclosure above during detailed engineering. c) The detailed criteria/design regarding location of pressure relief devices/rupture diaphragms d) Calculations to show that there is no Ferro resonance due to capacitance of GIS for the voltage transformers e) Design calculation for simulated parameters for Seismic level as applicable. g) Calculations in support of touch & step voltages in all enclosures and earthing of complete GIS installation. h) Measures to mitigate Transient Enclosure Voltage by high frequency currents. i) Calculation for providing bus duct supports. j) Gas handling procedure. l) Method statement/ procedure for conduction High Voltage test with PD measurement after installation at site.	We would like to inform you that, a) This is manufacturers proprietary information, calculations can not shared. b) Being continuous enclosure design, available bonding connections for GIB and earthing connections of metal enclosures of GIS / GIB at min 2 points, all enclosure surfaces are equipotential. Hence no electromagnetic field appears on enclosure surfaces and calculations are not envisaged. (details of earthing / bonding connections and continuous enclosure construction can be submitted during DDE). c) Each and every gas compartment is provided with pressure relief device / rupture diaphragm; hence no special design criterion is applicable to be submitted separately. d) Common supporting document shall be submitted. e) We would like to inform that only study report of seismic studies shall be provided however TTR shall not be envisaged. . g) Common supporting document shall be submitted. h) Common supporting document shall be submitted. i) GIS and GIB structure design is standardised by manufacturer; hence no separate calculation is envisaged. j) Common supporting document shall be submitted. l) Common supporting document shall be submitted Kindly confirm the same.	Provisions of the Tender Document shall prevail

S.No	Reference Document	Reference Clause/DocNo.	Technical Issue	Customer's Requirement	Clarification	PDIL Reply
104	Technical Specification.	II. 220kV Current Transformer For Transformer Bay: PG. No. 25/59	CT Data	Transformer Bays: i) 240-120-60/1A, PS ii) 240-120-60/1A, 0.2S	We would like to inform you that, the CT ratio for the Transformer bays (240-120-60/1A) for PS & 0.2S is not feasible. Hence request you to please provide complete CT data along with revised ratio enabling us to check the feasibility study of the same. Kindly provide the same.	Details are available in the specification.
105	SLD	Current Transformer	CT Ratio	Line Bay & B/C: 1) 1200-600-300/1 CI PS, 2) 1200-600-300/1 CL 0.2S.	We would like to inform you that, the CT ratio for the Line bay and B/C bay is stringent and difficult to accommodate in single CT enclosure, so we have considered dually side distributed CT. Kindly clarify whether same shall be considered or not. Kindly confirm the same.	Provision of Tender Document shall prevail.
106	SLD	Bus Earthing	High Speed Earthing	Customer's Requirement: As per SLD - VT, ES, DS & HES requirement. As per BOQ- VT, DS,ES requirement.	Pls. note HES is present as per SLD but as per BOQ HES is not available, kindly confirm whether we have to take HES in the scope or not.	Bidders are requested to follow the Single Line Diagram and Protection SLD issued along with the Tender Document. HES is not required for Transformer feeder.
107	220kV Data sheet	-	Each gas compartment	a) Minimum bursting pressure 40bar b) Routine test pressure 16bar c) Leakage test pressure 6bar	We would like to inform you that, we shall submit TTR of pressure values as per OEM design. The design pressure of enclosure shall be as per OEM recommendations and tests as per IEC 62271-203. Kindly confirm the same.	Provision of Tender Document shall prevail.
108	220kV Data sheet	-	Power frequency withstand voltage	Power frequency withstand voltage across opening distance KV rms 460+145	We would like to inform you that, as per IEC 62271-203 BIL for 245kV for rated power frequency withstand voltage across isolating distance and in between phase to earth is 530kV & 460kV resp. Kindly accept the same.	Bidder's are request to refer IEC 62271-203, Table 102 in this regard.
109	220kV Data sheet	-	Lightning impulse withstand voltage	Lightning impulse withstand voltage across opening distance KVp 1050+206	We would like to inform you that, as per IEC 62271-203 BIL for 245kV for rated lightning impulse withstand voltage across isolating distance and in between phase to earth is 1200V & 1050kV resp. Kindly accept the same.	Bidder's are request to refer IEC 62271-203, Table 102 in this regard.
110	220kV Data sheet	-	No of C.B operation	No. of opening operations CB is capable of performing at rated breaking capacity 20	We would like to inform you that, we confirm 20 operations however after 10 operation internal inspection is recommended. Kindly confirm the same.	Provision of Tender document shall prevail
111	Technical Specification.	4.5	Rated Burn through time	The material and thickness of the enclosures shall be such as to withstand an internal flash over without burn through for a period of 300ms at rated short time withstands current.	As per IEC 62271-203, for breaking current >40kA the rated burn through time is 300ms but burn through is acceptable. Kindly accept the same.	Provision of Tender document shall prevail
112	Technical Specification.	19	Transport	All transport packages containing critical units viz, Circuit breakers and Voltage transformers shall be provided with sufficient number of electronic impact recorders	We would like to inform C.B being a critical part we shall provide C.B with shock recorders and rest equipments with shock indicators. Kindly confirm the same.	Provision of Tender document shall prevail

<i>S.No</i>	<i>Reference Document</i>	<i>Reference Clause/DocNo.</i>	<i>Technical Issue</i>	<i>Customer's Requirement</i>	<i>Clarification</i>	<i>PDIL Reply</i>
113			Requirement of Fire Sealants		In the BOQ there is no requirement of Fire Sealant at the entry of cable/bus duct. Hence we assume that the same in not requirement. Kindly confirm our understanding	Fire Sealent is not a part of BOQ, howeber the same shall be as per Standard Practice
114					We request you to extend the bid submission date by 3 weeks,	No change, same shall be as per NIT.