Sl. No.	Bid Stipulation	Bidder's Query	NEEPCO's Reply
1	**Section-IV Technical specification, Page 183, 1.3.3** Type Test Certificates on Outdoor, 400 kV SF6 Gas Insulated Switchgear and other equipments to be supplied under this contract not older than 5 (five) years from the date of bid opening;	We wish to clarify that Type test are conducted to ascertain the Design characteristic of the GIS modules. As per IEC repetition on Type test is not required until there is change in Design. We request you to accept the Type Test reports not older than 10 (Ten) years from the date of Bid opening. Further we wish to clarify that our offer 400kV GIS design is suitable for both Indoor & Outdoor conditions/environment and same Type test reports shall be applicable for both conditions.	Agreed.
2	**Section-IV Technical specification, Page 226, 3.3.1 d)** This scope also includes structural support, access platform, ladders, stairs, cable raceway, conduit and other auxiliary equipment for operation and maintenance purposes.	Access platform shall be provided at the most suitable and optimized place as per Type tested design for operation and maintenance purposes. Request you to kindly accept.	Location of access platform shall be finalized during detail design.
3	**Section-IV Technical specification, Page 228, 3.3.2 xii)**, Continuous bus length without gas segregation shall be provided	Since present scope contains only one number og GIS bay, this clause shall not be applicable. Kindly confirm	Agreed
4	**Section-IV Technical specification, Page 235, 3.3.3.7 Local Control Cubicle:**	Bidder request to confirm below queries for LCC: 1. It is understood that LCC shall be outdoor type and shall be placed adjacent to GIS bay. Kindly confirm.	1. Agreed.

	Separate control cubicle shall be provided for GIS bay which shall be installed with the switchgear for local control & monitoring of respective switchgear bay. Local control cubicle for GIS shall be equipped with suitable hardware for remote control operation.	2.Kindly confirm whether integrated LCC is acceptable. 3. We confirm to provide LCC with IP rating of IP55 suitable for Outdoor environment. Kindly confirm.	2.Integrated LCC for GIS Bay equipments is acceptable. 3. Agreed
5	**Section-IV Technical specification, Page 237, 3.5.1** i) Circuit breaker (CB) shall be of SF6 gas insulated single phase type. It shall be self-blast/ puffer type and consist of maximum two interrupting arching chambers.	We wish to clarify here that as a standard practice and as accepted by all the Major utlities single interrupter with CSD for Bus Reactor application shall suffice the requirement and is acceptable. Kindly confirm.	Agreed
6	**Section-IV Technical specification, Page 237, 3.5.1 iii)**,Withstanding minimum 20 no. of interruptions at rated short circuit current with associated rate of rise of recovery voltage without requiring change of parts	We wish to clarify our offered 400kv GIS is suitable to withstand 20 nos. short circuit current operations, however same is not applicable as per IEC standard and hence no test is applicable for the same. However, we may provide suitable calculation against same.	Agreed. However, the tests to be carried out shall be guided by clause no. 3.5.4 of the technical specifications.
7	**Section-IV Technical specification, Page 237, 3.5.1 V),**All making and breaking contacts shall be sealed and	We wish to clarify that requirement of withstand minimum rated phase to ground voltage for eight hours at zero pressure above atmospheric level is not specified by ay IEC standard. Our offered 400kV GIS is	Accepted.

	free from atmospheric effects. The gap between the open contacts shall withstand minimum rated phase to ground voltage for eight hours at zero pressure above atmospheric level of SF6 gas due to its leakage.	type tested as per IEC 62271-203 and same shall be offered. Kindly accept.	
8	**Section-IV Technical specification, Page 237, 3.5.1 x)** The controller shall be able to analyse the current and voltage waves available through signals from secondaries of CTs and CVTs for purpose of calculation of optimum moment of the switching the circuit breaker and issue command to circuit breaker to operate.	Request to confirm below queries for CSD : 1. We wish to clarify here that offered CSD in 420kV GIS breaker shall require Load & Source side voltage signals from EMVTs. Require inputs shall be provided by customer. Kindly confirm. 2.Kindl confirm the location to place the CSD. We recommend to place the CSD in CRP panel as same is not advisable to place in outdoor environment.	1. As Bus CVT is installed in the existing set up, the inputs can be provided from CVT only. 2. Agreed
9	**Section-IV Technical specification, Page 238, 3.5.2** Circuit Breaker shall be with single step PIR of C2 - M2 class as per IEC 62271-1.	We wish to clarify that bidder proposed to offer 400kV GIS with single interrupted and CSD for the proposed Bus reactor application. PIR is not required in case if bidders offers 400kV GIS with solution. Further for Reactor application Single intrrupter design with CSD is standard practice and accepted by all the major utilities. Kindly accept and confirm.	Circuit Breaker without PIR but with CSD is acceptable.
10	**Section-IV Technical specification, Page 245, 3.6 Disconnectors: (c),**	It is understood here that offer 400kV GIS Bus reactor bay is to be connected to Existing Double Bus AIS busbars. It is understood that here the offered GIS Disconnectors shall be having bus transfer capability	Fast Acting disconnectors shall be required.

	They shall also be able to make and break loop current which appears during transfer between bus bars. The contact shielding shall also be designed to prevent re-strikes and high local stresses caused by transient recovery voltages when these currents are interrupted.	equivalent to AIS disconnectors in terms of Bus transfer switching. The bus transfer voltage generated shall depends on the distance of AIS bus coupler bay and GIS bay. Bidders can confirm the requirement through provision of fast acting disconnector to handle Bus transfer switching requirement. Kindly confirm whether Disconnectors required in GIS shall be fast acting type or Normal disconnector.	
11	**Section-IV Technical specification, Page 245, 3.6 Disconnectors:** The local operation shall be by means of a two position control switch located in the bay module control cabinet. Remote control of the disconnectors from the control room shall be made by means of Remote/ Local Transfer switch.	We wish to clarify here that as per proposed Type tested design of GIS LCC, local operation shall be be done through Push Buttons instead of control switches. Kindly accept.	Local operation through push buttons is agreed. However, the switch for local/remote selection shall be available.
12	**Section-IV Technical specification, Page 245, 3.6 Disconnectors:** i) The auxiliary switch contacts are to be adjustable type, such that, when required, they can be adjusted to make	We wish to clarify here that as per proposed Type tested design of GIS Auxiliary switches are of fixed type and same shall suffice your requirement. Kindly accept.	To be decided during detail design

	contact before the main switch contacts.		
13	**Section-IV Technical specification, Page 246, 3.6 Disconnectors:** o) The local control of the Isolator and high-speed grounding switches from the bay module control panel should be achieved from the individual control switches with the remote/local transfer switch set to local.	We wish to clarify here that as per proposed Type tested design of GIS LCC, local operation shall be done through Push Buttons instead of control switches. Kindly accept.	Local operation through push buttons is agreed. However, the switch for local/remote selection shall be available.
14	**Section-IV Technical specification, Page 248 3.7 Safety Grounding Switches:** All portions of the grounding switch and operating mechanism required for grounding shall be connected together utilizing flexible copper conductors having a minimum cross sectional area of 100 sq. mm.	In our offered GIS design, Earthing switches and its mechanism are connected via the enclosure i.e they make a continuous earthing path via enclosure itself and so is the case for all the componets. Further, the complete GIS is earthed / grounded at multiple points utilizing flat GI bars. Hope the same is acceptable	Agreed.
15	**Section-IV Technical specification, Page 248 3.8, f)** the earth switch and its operating mechanism shall be provided with flexible copper	In our offered GIS design, Earthing switches and its mechanism are connected via the enclosure i.e they make a continuous earthing path via enclosure itself and so is the case for all the components.	Agreed

	conductor of minimum size of 100mm2 to earth with the ground.	Further, the complete GIS is earthed / grounded at multiple points utilizing flat GI bars. Hope the same is acceptable	
16	**Section-IV Technical specification, Page 249 3.8,** k) A pantograph/ HCB Isolator shall be provided in AIS for isolation of AIS and GIS as per suitability of site condition.	Bidder request to remove the AIS isolator pertaining to below reasons: 1. In order to meet the required safety clearance for SF6 to AIR bushings, we proposed to remove the AIS isolator. 2. Further Bidder confirms to provide GIS type Disconnector in GIS bay for each busbar with common earth switch and hence AIS type isolator shall not be required. Request you to accept the same.	Bid specification shall prevail. Drawing showing the existing contours with proposed retaining wall and the section drawings are enclosed for better understanding of the clearances available. Bidder is requested to visit site for having a clearer understanding of the AIS Extension Site if required.
17	**Section-IV Technical specification, Page 252 3.10 Voltage Transformers:** General scope	Bidder request to confirm whether AIS type EMVT shall be acceptable instead of GIS VT. Kindly confirm.	Bid specification shall prevail.
18	**Section-IV Technical specification, Page 253** **3.10.5 Constructional Details:** The voltage transformers shall have three secondary windings	Kindly confirm the core requirement of VT. As per table in 3.10.2 VT required is of 2 cores (two secondaries). Kindly confirm the requirement.	Bid specification shall prevail (Three Core EMVTs shall be supplied).
19	**Section-IV Technical specification, Page 254** **3.11 Outdoor Bushings:** SF6 to air bushing shall be of ceramic insulator and pressurized with SF6 gas.	Offer SF6 to AIR bushings in GIS Bay is of composite polymer type. Same has proven better performance and accepted by all the major utilities such as PGCIL, GETCO, NTPC etc. Kindly accept the same.	Agreed.

20	**Section-IV Technical specification, 3.14.2 Partial Discharge Monitoring System:** General	Bidder wish to clarify that Offline portable type Partial discharge system is required. Kindly confirm.	Partial Discharge Measurement System shall be continuous online for GIS.
21	**Section-IV Technical specification, 3.17.3 Routine Tests & Test Certificates:** b. Dielectric test on auxiliary & control circuit as per sub-clause 7.2, IEC 62271-203	Bidder wish to clarify that for bought items like CT, VT, LCC etc. routine test shall be conducted at vendor end premises and test reports for the same shall be submitted to customer for vetting and approval. Kindly confirm.	Shall be finalized during approval of QAP during detail design.
22	**SLD & Layout, General, Layout,**	Bidder request to provide AutoCAD copy of existing Layout, to check and optimize the GIS space requirement.	Bidder is requested to visit site.
23	**SLD & Layout, General, SLD & Layout,**	Bidder request to provide complete existing SLD & complete Layout. Same shall be required to know the loop length between existing bus coupler bay and GIS bay to ascertain the requirement of Fast acting disconnector module in GIS.	SLD is enclosed. Bidder is requested to visit site to gather the required information.
24	**SLD & Layout, General, Layout**	Bidder proposes to remove the proposed AIS Isolator shown in layout. Same shall be covered in GIS module for each busbar with common earth switch. Further to achieve safety clearance for SF6 to AIR bushing at extreme ends, AIS isolators needed to be removed due to space constraint between RCC retaining wall & road. Kindly accept.	Refer sl. no. 16 above.