

**CLARIFICATION OF ADDITIONAL QUERIES FOR ELECTRIFICATION OF
IT BUILDING, PHASE-III, TECHNOPARK, TRIVANDRUM**

SL NO.	QUERIES	CLARIFICATIONS
1	The HT panel is having PT in each outgoing. We request you to amend this to a bus PT in the Bus riser panel with a PT changeover scheme. Since PT is there in both the incoming panels.	Please follow BOQ. Draw out type PTs to be provided in all outgoing feeders
2	We request you to amend the analogue meters size to 96 x 96 sq.mm size	Please follow BOQ. We require 144 x 144 sq.mm size meters for HT panels
3	What is the type of relay required in HT panel? Is it numerical or Electromechanical.	It is numerical.
4	Do you require communication facility on the relay being used in the HT panel for SCADA?	All relays should have facility for communication to SCADA.
5	In the main panel (industrial services) the bus coupler is having manual operating mechanism. Do you require electrical operating mechanism since SCADA is being implemented.	Status of the Bus coupler to be monitored by SCADA
6	The fault level in the ACB outgoing of Main panel -2 (common services) is seen as 80 kA. We request you to correct it to 65 KA. The same rating as the incomer of 4000A ACB of the transformer.	Fault level is 80 kA.
7	The 1500 KVA DG requires additional protection as per KSEI rule. Hence the same needs to be incorporated like Over voltage, under voltage, REF, over current earth fault.	All required protections for DG sets as per IS should be provided. It is clearly indicated in the SLD
8	Bus bar trunking is seen with class B insulation which should be class 'F'. We request you to amend the same.	Please follow BOQ. Class B is sufficient.
9	Please clarify on which equipment IP 66 bus bar trunking is to be connected. If it is DG then the DG set acoustic enclosure needs to be modified.	IP 66 bus duct is used for interconnection from DG to MSB.
10	There is no need for additional DG control panel since there will be addition to requirement of flange end etc and cabling for protection. Hence we request you to avoid the control panel.	Please follow BOQ
11	The 1500 KVA DG set require exhaust chimney hence we request you to create a new item.	It is included in the item no: 41 of BOQ
12	Please clarify under which item will structural supports for DG exhaust be measured.	It is included in the item no: 34 of BOQ
13	The DG sound level as per CPCB will be 75 Db at 3 m under free field conditions.	Please ref Item no 40 of BOQ
14	The payment is to be minimum of Rs. 25 lakhs / month.	Payment terms as per Tender conditions only.
15	A control cable trench is required for taking control cable to DG sets	The control cable is armoured; hence it is to be taken along the Bus duct trench
16	Transformer test at factory to be limited to routine test as per IS.	It is limited to routine test and type test certificate for the transformer should be submitted.
17	Bus bar trunking layout to be given if it is required to quote for accessories in 6.9.23 while submitting our bid.	Detailed drawings attached with Tender documents.

18	Do you require winding temperature scanner for transformers	Winding temperature indicator is sufficient.
19	What is the type of indoor/ outdoor HT joint required heat shrinkable or push-on type or is both acceptable	The type of HT cable end termination has to be Heat shrinkable
20	The 1500 KVA DG sets are not coming with CPCB (Central pollution control board) enclosures. Hence obtaining CPCB clearance for the same will not be possible. We request you to provide us a service building for housing this DG sets and carrying out room acoustic with cooling tower and heat exchanger instead of radiator since that is the norm for higher capacity machines. The CPCB clearance to our knowledge is to be obtained before the start of the project and not at a late date. The fee for the same is to be remitted by Technopark.	It is confirmed that Integral type acoustic enclosure with permitted sound level certificate to be submitted. Obtaining all statutory clearances is in the scope of the successful bidder. The fee remitted for this purpose will be reimbursed by Technopark.
21	We request you to carry out all civil work related to DG works as per our requirement	It is as per tender conditions.
22	Please clarify whether phase - III is SEZ area and if duty and tax concession is applicable	Please ref. item no: 53 of special conditions of contract and SEZ norms
23	We request you to grant an extension till 25 th March 2010 for the submission of bid.	No extension is possible.
24	Since the transformer is dry type we understand that tap changing will be by means of tap links and not by means of tap changer.	Off load tap changer to be provided.
25	Kindly provide the data sheet for 2500 kVA dry type transformer.	Data sheet is included in the Tender documents
26	Can we consider CPRI tested panel fabricator, since the same is not mentioned in the make of material list?	Please ref. clause 6.7.3 of tender documents. The LT panel should be fabricated by a CPRI certified factory.
27	Should we have to include the excavation cost for this item or cable shall be laid in existing trench	LT cable to be laid along cable trays or existing cable trenches.
28	Should we quote for single compression gland or double compression type gland	Please ref. clause 6.4.12 of tender documents. Double compression gland.
29	Technical specification calls for ACB with communication port for all breakers but BOQ calls for ACB shall be capable on RS 485. Should we quote as per Technical specification or BOQ?	ACB with communication port and shall be combatable to RS 485 connectivity.
30	Technical specification calls for draw out type MCCB where as BOQ calls for normal type MCCB whether we need to quote as per BOQ or Technical specification.	Please follow BOQ.
31	Should we include PLC in main panel or we need to quote separately	PLC to be included in the main panel-2.
32	Kindly furnish the catalogue number	Please ref. web site of approved vendors
33	Kindly furnish the contact details of Sylvania make light fittings.	Please ref. web site of supplier.
34	Since the project is coming under SEZ we need to quote excluding all the taxes and duties such as CD/CVD/ED/CST/VAT/ service tax	The bidder can avail all tax/duty benefits as per SEZ norm.

35	Can we consider alternate make for following items. Battery charger - Universal PVC wires - Power flex PVC conduit - VIP/National Bus Riser/Bus duct - Conduit & Switchgear Lighting arrestor - Indelec / Erico Diesel Generator Engine - MTU	List of approved make should be used.
36	Request you to extend tender submission date from 16-03-2010 to 19-3-2010.	No extension is possible.
37	Minimum eligible criteria, sr. no. 2, states that electrification work of an IT / Industrial / Commercial Building. However, from the BOQ of Price Bid we found there is much of outdoor electrical works to be carried out. We therefore, request you to consider, experience of external electrical works viz transformers, switching station, sub-station & DC set commissioning etc for IT Parks.	Minimum eligibility criteria are firm and it can't be changed.
38	As per NIT, period of completion of project is 15 months and prices of all items are to be considered on firm basis & including all State Govt. & Central Govt. Taxes. As the span of completion is long, there is possibility of hike in taxes & cost of raw material. We request you to consider provision of Price Variation / Escalation Clause as well as EEMA Clause.	Price variation clause is not acceptable.
39	Payment clause, under clause no 26 (c) (ii) a, mentions sum payable shall not exceed 60% of schedule rate or 75% of purchase cost of material, whichever is low. We request you to kindly revise payment terms as below, which is generally acceptable to all Govt. & Semi Govt. departments in India. a. 80% of cost of material after receipt of same at site. b. 15% of cost after erection c. 5% of cost after testing & commissioning.	Payment terms cannot be changed.
40	Various drawings annexed to bid document are not legible. Kindly furnish drawings on bigger size and colour.	Drawings attached in PDF format and can be printed in bigger size.
41	Please refer list of approved makes, clause no 6.21 on page no. 168 of technical specification. i) Sr. No. 25 for H.T, VCB. Please include Crompton Greaves make. ii) Sr. No. 31 for APFC Panel. Please include any CPRI tested manufacturer. iii) Sr. No. 33 for aviation obstruction light. Please include Bajaj make. iv) Sr. No 37 for lighting arrestor. Please include Elpro, Oblum & Crompton Greaves make	Please follow the approved list of makes
42	Sr. No. 23, of BOQ of Price Bid for HT Cable:-Please confirm no. of cores of 500 sq.mm XLPE, 11 kV class cable & armouring with flat strip or round wire.	It is clearly mentioned in the item no: 23 of BOQ, 1x 500 sq.mm. that means single core 500 sq.mm cable. It is armouring with round wire.

