MINUTES OF PRE-BID MEETING HELD ON 04-03-2010 AT TECHNOPARK FOR THE ELECTRIFICATION OF IT BUILDING, PHASE-III,TECHNOPARK,TRIVANDRUM

PARTICIPANTS

TECHNOPARK

MR K.V RAJENDRAN, GENERAL MANAGER (TECHNICAL)
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BIDDERS

MR. SURESH KUMAR.D	M/S GODREJ&BOYCE
MR. M.HARIHARAN	M/S ETA ENGG.
MR. SANJEEVA JAKAT	M/S STERLING & WILSON
MR. PITAMBARA MISHRA	M/S AHLUWALIA CONTRACTS.
MR. ANOOP MADATHIL	M/S IVRCL
MR. ANOOP KUMAR	M/S VOLTAS LTD
MR. M.K.B.ANAND	M/S SIEMENS LTD
MR. B.SETHURAMAN	M/S L&T
MR. SHAJI	M/S SCHNEIDER

SL NO.	QUERIES	CLARIFICATIONS
1	M/s Godrej & Boyce informed that 2500kVA transformer is not readily available with reputed manufacturer like ABB and Crompton Greaves. Can we go for any other brands which are not mentioned in the list of approved makes	It is confirmed that the List of approved makes to be followed.
2	M/s Godrej enquired about the cable glands are of single or double compression	It is double compression gland
3	M/s Godrej enquired whether PT is required for the outgoing for HT panels	It is required.
4	M/s Godrej enquired that, MMS Rigid PVC Conduit has been used for point wiring wherever not mentioned.	It can be used.
5	M/s Godrej informed that FRLS wire has been considered for Point Wiring wherever not mentioned.	BOQ called for PVC wires. If FRLS wires are used in lieu of PVC, it is also acceptable, at same rate.
6	M/s ETA enquired whether the cable entry has to be from top or bottom	It is bottom entry
7	M/s ETA enquired whether the bus bar will be covered with suitable sleeves and if so is colored sleeves required	Red, Yellow, Blue colored sleeves to be used for R, Y, B phases and black for neutral.
8	M/s ETA enquired whether 2000A bus bar is required as the incomer current is 1250 A in HT panels	2000A bus bar is required
9	M/s ETA informed that, there is a mismatch between the specification of the manufacturer and BOQ about the thickness of the LT panels. In BOQ the thickness is shown as 14 SWG while 2 mm thickness will be provided by the manufacturer.	Both are same.
10	M/s ETA enquired whether numerical relay for main protection and static or electromechanical type relays for other auxiliary protection can be used	It is decided to use numerical relays for all protections.
11	M/s ETA enquired whether we have to consider CT for TOD meter, since CT for TOD meter is not mentioned in the BOQ.	As CT is already provided in the HT panel, TOD meter alone needs to be fixed.

12	M/s ETA informed in the technical specification cl no: 6.6.7 winding temperature relay is mentioned and it is not available.	Winding temperature indicator only is sufficient.
13	M/s ETA enquired whether NEMA standards can be considered for noise level from the dry type transformers.	Noise level should be within the limits (below 60DB) specified by Kerala State Pollution Control Board.
14	M/s ETA asked whether separate DB for battery charger is required	No separate DB required for battery charger.
15	M/s ETA informed that the CT ratio in main panel 1 is specified as 3500/5A in BOQ and in Technical data sheet as 4000/5A.Please confirm the required rate.	BOQ specification to be followed.
16	M/s ETA enquired whether RS 485 port is required in all outgoing ACBs	RS 485 is required in all outgoing ACBs
17	M/s ETA enquired that the KA rating of bus bar in the main panel 2 specified as in 80KA in BOQ and in technical data sheet as 65KA.Please confirm the required rate.	BOQ specification to be followed.
18	M/s ETA informed that DG incomer CT Ratio 1500/5A CI 0.5 15VA of main panel-2 is not mentioned in the drawing	It is clearly mentioned in the BOQ and that has to be followed
19	M/s ETA informed that, In main panel 2 – Outgoings, BOQ & SLD shows 1000A ACB whereas Technical data sheet shows 1250A ACB.	BOQ specification to be followed.
20	M/s ETA informed that in Main panel2, the quantity of Digital power monitor in BOQ & SLD shows 15nos. but in technical data sheet shows 9 nos.	BOQ specification to be followed.
21	M/s ETA. Informed that for the Aluminium sandwich bus bar trunking and rising mains, the BOQ shows 600V ratings, but in Specification it says 1000V	BOQ specification to be followed.
22	M/s ETA informed about the color of the bus bar trunking – BOQ shows ANSI 49 grey epoxy paint and the technical specification it shows ANSI 49 grey epoxy paint and ANSI 61 enamel paint.	BOQ specification to be followed. Color of the bus duct will be intimated at the time of execution.
23	M/s ETA enquired about the type of the HT cable end termination	The type of HT cable end termination should be Heat shrinkable type.
24	M/s ETA enquired about the thickness of M S chequered plates	Item 35 of BOQ does not mention the thickness because the unit is specified in kilograms and the size will be decided at the execution stage as per requirements
25	M/s ETA informed that, approved makes for APFC panel was mentioned. But the capacitor of these makes was not mentioned in the list of approved makes.	It is confirmed that the L&T, Sprage and EPCOS capacitors can also be used in addition to the makes already specified.
26	M/s ETA enquired about integral type acoustic enclosure is not available with higher rating DG sets, can we use built in type enclosure.	It is confirmed that, Integral type acoustic enclosure are to be used. Test certificates to establish confirmance to the prescribed norm to be produced.
27	M/s ETA enquired that, whether we have to consider two runs of external earthing for bus bar trunking and rising mains.	It is confirmed that, two runs of external earthing is required.
28	M/s Sterling & Wilson informed that, HT boards are with IP44 degree of protection.But this will not give protection against dust and vermin,especially when specs calls for louvers for ventillation, degree of protection is specified as IP 4X also.	Spec & BOQ mentions the HT panel Board as dust proof and vermin proof, that means IP54 degree of protection.
29	M/s Sterling & Wilson informed that, Top Plate thickness of HT panel boards will not exceed 2.5mm	As per BOQ specification.

30	M/s Sterling & Wilson enquired that, busbars required to be PVC sleeved or Raychem HT sleeving and do we require busbar joint to be fitted with removable shrouds.	It is clearly mentioned in item no: 1 of BOQ.
31	M/s Sterling & Wilson informed that, No cable gland will be provided for HT cable end connection	Cable gland is used only for control and LT power cables. In BOQ, item 23.07 push on end termination for HT cable is indicated
32	M/s Sterling & Wilson enquired that, HT breaker fault withstand time is 1sec or 3sec	It is 1 sec
33	M/s Sterling & Wilson enquired that, whether the line PT's are draw out type	All PT's are of draw out type - item 1 of BOQ
34	M/s Sterling & Wilson informed that, SLD is showing line PT's where as the data sheet do not specify this requirement. Ratio for metering CT is different from ratio for protection CT, No master trip relay and anti pumping relays specified,whether they are required ?	Line PT's are reqd.Protection CT's are shown in the neutral circuit, which has a different ratio than the metering CT's. Both master trip relay and anti pumping relays are required.
35	M/s Sterling & Wilson enquired that, On Load Tap Changer is mentioned in Specs (e) where as data sheet call for Off load tap changer.	Off load tap changers only to be used for the transformer.
36	M/s Sterling & Wilson informed that, Specs calls for suitable protective device to protect the transformer from over voltage, under voltage and earth fault. Transformer Manufacturers do not provide the protection devices and protection against earth fault is taken care by relays provided in the HT Panel	All protections specified in the BOQ should be provided.
37	M/s Sterling & Wilson informed that, Type Test certificate for Temp.rise, Impulse withstand will be submitted. If more type tests are required, please specify the same , as this work entails additional cost.	Test certificates as per IS are to be submitted.
38	M/s Sterling & Wilson enquired that, No degree of protection is mentioned for LT panels.	Ref Cl 6.7.11, This calls for IP 54
39	M/s Sterling & Wilson enquired that, CT ratios for 1600A outgoing ACB's are not mentioned in SLD, where as Data sheet call for 2000/5A, please clarify with correct CT ratio	BOQ to be followed.
40	M/s Sterling & Wilson enquired that, whether GI/CI earth plates to be used for earthing.	CI earth plate as specified in the BOQ should be followed.
41	M/s Sterling & Wilson enquired that,whether Perkins make DG set can be used as it is not mentioned in the approved list.	It is not an approved make and hence can't be used.
42	M/s Ahluwalia enquired that, Since CCI/Nicco/Incab/gloster cables are not readily available in the market. There are only two approved makes universal/polycab, and requested for add approved makes.	It is decided to include Havells and Torrent cables as the approved makes for HT & LT cables.
43	M/s Siemens informed that their own bus duct not included in the approved list of materials.	The approved makes should be followed.
44	M/s Siemens also informed that their make of contactors and multifunction meters are not included in the list of approved materials	It is agreed to use Simens make contactors and multifunction meter.
45	M/s Siemens informs that the bus bar rating of main panel 2 is 9000A.It is not possible to manufacture a single bus bar with 9000A.	9000A single panel has to be fabricated
46	M/s Siemens wants the payment terms to be made as 10% advance, 80% against supply & balance 10% retention.	Payment terms in the tender are firm and cannot be changed.

47	M/s Siemens also asked for the clarification of payment terms – 60% of payment may be paid as adhoc within 5 days from date of submission of bills and tender is silent about the balance payment	Technopark confirmed that we will endeavour settlement balance payment of each running bill within 30 days if it is complete in all respects
48	M/s Siemens enquired as to what is the percentage they have to claim on the running bills	Technopark informed that it is as per the tender conditions and no change is possible in the conditions of the tender
49	M/s Siemens enquired about the definition of Force Majure Clause	Mentioned under General condition of the contract.
50	M/s Siemens enquired about the Deemed acceptance of work	Technopark replied that it is clearly mentioned in the tender document when the work will be accepted as complete.
51	M/s IVRCL said that the master plan and electrical layout drawings are not received as per tender document	Both these drawings are there with the tender document which clearly shows the earthing layout, equipment positioning etc.
52	M/s IVCRL asked whether the bid submission time could be extended	No extension of time can be given.
53	M/s Voltas enquired about taxes (KVAT & CST) entitlement for SEZ	It is only as per the SEZ norms and we will go by the rules.
54	M/s L&T enquired about the capacity of the day tank of the DG set	It should be 980 litres (minimum).
55	M/s L & T enquired about item 31.03 of BOQ wherein it is mentioned that all terminations in switches and DBs shall be tinned.	It is as per PWD specifications. All wire ends should be tinned with the respective metals
56	M/s L & T asked for the approved manufacturers of LT panels	LT panel manufacturer should be a CPRI approved vendor
57	M/s L & T asked whether scrubber is required in DG sets.	Scrubbers are not required in DG's.
58	M/s L & T asked whether the EMD can be in the form of a Bank guarantee.	Technopark said that, there is no deviation from the Tender conditions and BG is not accepted for EMD.
59	M/s L & T asked whether the defect liability period could be reduced.	Technopark said that there is no deviation from the tender conditions.
60	M/s L & T informed special conditions of contract Clause 54 says tax will be exempted. Whereas in Clause 9 of instruction to tender say the rate should be inclusive of all taxes.	Special condition shall prevail.
61	M/s Schneider enquired whether alternate makes for synchronizing relays and PLCs can be used (as only Siemens is the approved make)	Only Siemens is in the approved makes list and it has to be used
62	M/s Schneider enquired whether they can use their own Isolator/SFU though it is not in the approved list for Isolator/SFU	It can also be used
63	M/s Schneider enquired whether IEC can be considered instead of IS specification.	It can be considered