

Minutes of Pre-Bid Meeting held on 21/11/2016 at 04:00PM Regarding Tender Enquiry No.: 09/CCMD/2017-17 dated 28-10-2016 for Supply, Erection, Testing and Commissioning 2 No. of 2000KVA , 11KV Diesel Generator sets.

(1) The following were present:

A. The following officials of Indian Institute of Science were present in the meeting:

1. Prof. Umanand , Chairman- Power Committee.
2. Dr. Subba Reddy, Member – Power Committee.
3. Dr. Panneer selvam, Joint Registrar, CCMD.
4. Col. Arun Sharma, Project Engineer cum Estate Officer.
5. Er. Lohitheshkumar G. Asst. Executive Engineer.

B. Representatives of following prospective Bidders were present in the meeting:

1. M/s Mantech Engineers
2. M/s Rai Power
3. M/s OJUS Technologies (P) Ltd.
4. M/s Excel Generators (P) Ltd.
5. M/s Appolo Power systems.
6. M/s Sterling Wilson Powergen.

(2) The Chairman welcomes all the members and the representatives and at the outset, important terms and conditions contained in the Tender Document were explained to the representatives of prospective bidders present in the meeting.

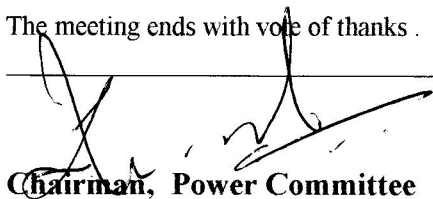
The following are the questionnaires from representatives and clarifications from the institute-

SL. #	Questionnaires (?)	Clarifications
1	In the tender Document Mitsubishi make is not considered, please consider the make.	Mitsubishi make is considered as the workshop / service facility are available in Bangalore zone .
2.	Can Manufacturer participate in the tender?	YES. Manufacturer executed single work of similar nature in Government/ Semi Government costing not less than 80% of estimated cost. Refer Page No. 2 of Tender Notification, Eligible Criteria.
3	Whether HT tests requires both at Manufacturer premises and site?	Assembled DG set – Routine tests and Load Tests shall be conducted in the presence of Clients at the factory before shipping and Site tests shall be carried by the Contractor witnessed by the Clients. As per the Tender documents Refer: Pg no. 132 & 133 , Tender Document. Note: Resistive Loads and Consumables for Site tests shall be arranged from the contractor.

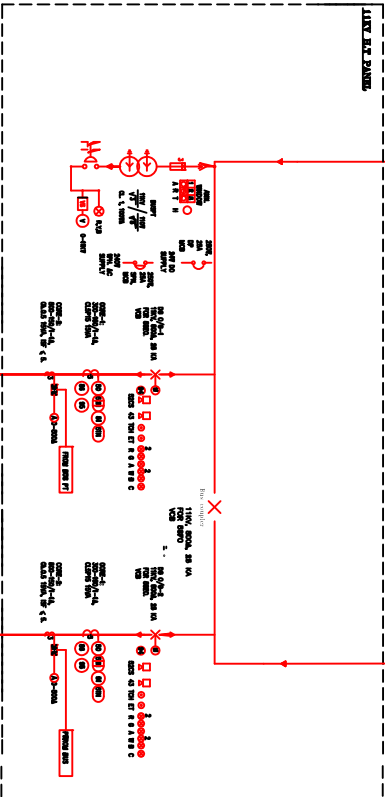
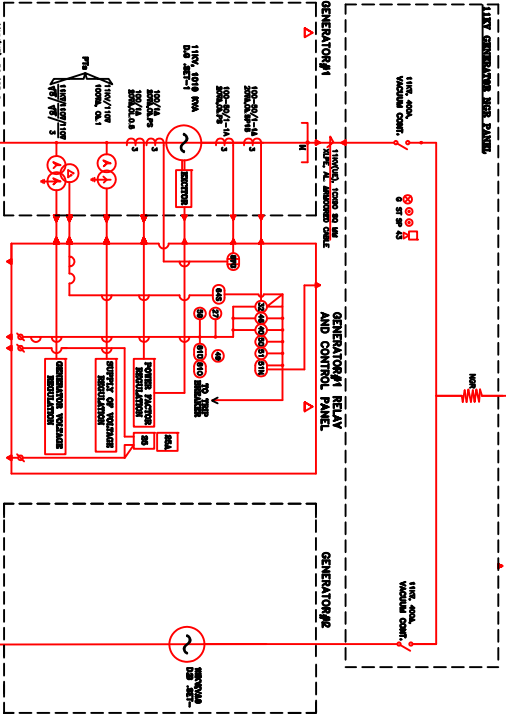
4	Tender Document –Pg No. 133. Load will be provided by the customer. Consumables (for excess of first fill) will be provided by the customer.	Correction Loads and Consumables shall be arranged from the suppliers/ contractor Only Refer Pg. 133, Item 26.20.
5	BHP – 2319 is mentioned in the document. Please refer pg 77, item 11.0	BHP of the engine need to be suitable to provide 2000kVA prime rating as per IS3046 standards
6	Please provide the Layout Drawing.	You are requested to visit the site.
7	Confirm Fuel pipe Thickness Pg.121, Item 23.2	All fuel piping shall be M.S. class B or better as per DG requirements.
8	Tender Document Pg-78, item 11.3 Consists of PT fuel pump, Injectors, Fuel Filters and Self Contained piping	Correction: With equivalent as per Manufacturers and any other equipments as per engine requirements..
9	Tender document Pg no. 58 and 66 Clarify the fuel pipe line system.	Fuel system: The complete fuel system including day tank, flow meters ,valves, fuel tank with level indicators , with start-stop pump etc., need to be done as per the site requirement. Inspect site.
10	Exhaust Chimney size Clarify	Self supporting Chimney need to be fabricated as per the detailed design. Exhaust pipe for each genset need to be inserted with necessary back pressure calculations duly justified. This has to be as per CPCB/ KSPCB norms with aviation lighting and lightning arrestor.
11	Clarify PCB clearance Pg. 60, Item 5	PCB clearance is in Vender scope to get a CFE. All necessary details shall be provided from the vender to upload the forms.
12	Pg.58 Civil foundations.- Civil work will be done by some other agency.	Civil foundations shall be in the DG vendor scope. Consider the same in your quote accordingly.
13	Confirm Alternator Insulation level	Alternator insulation to be 'F' class and temperature rise to 'H' class with IP 23 enclosure as per standards.
14	110 volts DC supply	110 volts DC supply need to be provided by the vender and short circuit need to be designed for 35kA. All auxiliary need to be 8NO + 8NC. PLC required, Digital meters shall be considered.
15.	SLD	SLD Enclosed.

Note: All other terms and conditions and technical specifications are as per the Tender documents.

The meeting ends with vote of thanks .



Chairman, Power Committee

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INDIAN INSTITUTE OF SCIENCE

S.L.D FOR D.G POWER DISTRIBUTION

DRG. NO.

SHEET 1 OF 1