



प्लाज्मा अनुसंधान संस्थान
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Date: 06th Feb 2018

Clarifications released after pre-bid meeting

against Tender No: IPR/TPT/TN/PUR/F/17-18/31 Dated 27th Dec 2017

Based on the pre-bid meeting held on 22nd Jan 2018 at IPR, Gandhinagar following are the clarifications:

Technical:

1. Tender Eligibility Criteria remains unchanged.
2. Tender is issued for supply of one (1) unit only.
3. Specified output voltage rise time (1ms) is all inclusive; other delays including propagation delays shall be inclusive in the 1ms overall delay.
4. Efficiency is not specified. Best efficiency commensurate with the topology of choice shall be offered.
5. Tentatively the length between the PS and the Gyrotron load could be around 10 meters. However, purchaser will ensure that the total cable capacitance for this interface would be within 1000pf.
6. Output HV cable is not part of scope of supply of this tender.
7. IPR will provide the HV cable during installation at site; the same is not provided for vendor testing at their works.
8. Soft starting (ramp up) of output shall be considered; however the rise and fall times shall be within 1ms as specified.
9. Consider a net limiting value of 100nH for inductance of the resistor loads.
10. Crowbar is a secondary protection scheme conceived by the purchaser. The power supply design shall not consider the secondary protection unit for satisfying the specification requirements.
11. 10J energy limiting specification design shall consider the cable capacitance of 1000pf. Purchaser's crowbar scheme shall not be considered for this design.
12. Crowbar scheme is not part of the scope of supply. Specified space shall be provided in the HV power supply.
13. The purchaser requests a space of 300 mm x 300 mm x 300 mm in the panel near the output termination for housing the crowbar scheme.
14. Simulation software is not part of submission; simulation results to demonstrate the suitability of PS design to meet performance specifications shall be submitted in the technical offer.
15. No earth switch is considered.
16. In the event of faults, it is expected that the return conductor may temporarily be lifted up to 500V with reference to absolute ground.
17. Up to 350 V can be allowed at the output for zero set point condition. However, the bidder shall take suitable measures to minimize this output level.
18. Test loads are multipurpose use and in one of the functional requirements will subject the load to duty cycle loading at frequencies up to 5 kHz.
19. Two independent resistor load units are to be supplied as specified. 2 sets of Test Loads with Resistor and Capacitors as specified are part of scope of supply.
20. 2 sets of test loads shall be supplied in 2 individual housings separately. They shall not be part of the HV power supply housing.

21. No make is specified for the Load components
22. Size is not specified for HMI front panel.
23. Minor deviations in dimensions are acceptable; height of 2500mm is ok.

Commercial & Terms and Conditions

24. IPR will consider EMD exemption provided valid documents for registration with DAE-DPS are submitted along with the bid.
25. IPR will consider EMD exemption provided valid document for registration with MSME for this tendered item along with relevant monetary limit is submitted along with the bid.
26. Prevailing norms as applicable will be considered. In our understanding presently no such provision exists as on date.
27. As specified in Section C/8.1 the delivery schedule is 12 months from the date of signing of Purchaser order
28. Payment terms for indigenous vendors is mentioned in Section "E" (Revised).
29. Concessional GST rates for supply of goods as provided by government notifications shall be applicable. Services are to be levied at full GST rates.
30. Tender price bid format include a line item for individual prices for test loads. Revised price bid format will be given to indicate individual prices for each of 2 sets of test loads. Bidders are required to offer the prices individually.
31. Revised Price Bid format as per **SECTION 'E' (Revised)**