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Technical specification for Supply & Machining of Moderator Assembly.

Doc. No. Technical Specification for Supply & Machining of Moderator Assembly.

Rev. 0



इलेक्ट्रॉनिक्स कारपोरेशन ऑफ इंडिया लिमिटेड
Electronics Corporation of India Limited

Technical specification for Supply & Machining of Moderator Assembly.

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Electronics Corporation of India Limited

A Govt. of India (Dept. of Atomic Energy) Enterprise

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1. Scope

This specification establishes the technical and tender requirements for supply & machining of Moderator Assembly.

Scope of the supplier is:

- Raw material.
- Raw material's chemical analysis test and UTS test certificates for metallic components (Item No. 4 to 8) & chemical analysis test for metallic components (9 & 10) & Material Identification report (MIR) / MIL TC for non-metallic components (Item No. 1,2 & 3) from Govt. /NABL approved lab, getting approval from purchaser for metallic components.
- Raw Material testing of metallic & Non-metallic components shall be stamped by ECIL QC and same shall be witness by ECIL QC person.
- Manufacturer certificate /COC from manufacturer or test report for standard components shall be submitted by the supplier.
- Machining.
- Inspection at every stage level.
- Chemical cleaning for non-metallic components is in supplier's scope & metal finish for metallic components is not in supplier's scope.
- Packing.
- Delivery at Purchaser store.

R. Gidley

2. Requirements

S.NO.	DESCRIPTION	DRAWING NO	MATERIAL GRADE	QTY (NO'S)
1	UPPER HALF OUTER SPHERE	MD-55-18-E02494-A3	HDPE	12
2	LOWER HALF OUTER SPHERE	MD-55-18-E02495-A3	HDPE	12
3	INNER SPHERE	MD-55-18-E02496-A3	HDPE	12
4	BOTTOM PLATE	MD-55-18-E02497-A3	AL ALLOY HE 30	12
5	SIDE PLATE-1	MD-55-18-E02497-A3	AL ALLOY HE 30	24
6	SIDE PLATE-2	MD-55-18-E02497-A3	AL ALLOY HE 30	12
7	SIDE PLATE-3	MD-55-18-E02497-A3	AL ALLOY HE 30	12
8	TOP PLATE	MD-55-18-E02497-A3	AL ALLOY HE 30	12
9	HANDLE	MD-55-18-E02498-A3	SS304	15
10	DOME HEAD STAND	MD-55-18-E02499-A3	SS304	60



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3. Construction

Item shall be manufactured as per specification.

4. Material

As per the drawings.

5. Responsibility

The supplier shall be fully responsible to the purchaser for his raw material subcontracted. Review or approval of working documents by the purchaser does not relieve the responsibility of supplier of meeting the requirement.

Supplier shall be a Manufacturer/Dealer who should comply all RFQ terms for bid consideration.

6. Quality Control

Supplier shall submit a quality control plan along with the tender. ECIL QC will carry out the final inspection before giving the clearance for dispatch.

7. Pre-manufacturing Documents

The following documents to be get approval from the purchaser.

- I. Inspection format for each item and raw material.

R. Biddle

8. Packing and Transportation

All manufactured items are packed in proper boxes/ covers for safe delivery to the ECIL, Hyderabad.

In the event of any damage in transit, the Supplier shall prove to the satisfaction of the Insurance appraiser that the packing was adequate.

Following particulars shall be clearly marked on the package:

- a. Name of the Item
- d. Purchase order no. and date
- e. Destination
- g. Sender's address



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It is responsibility of the Supplier to arrange for the delivery of the set up at site. Items shall not be dispatched without the prior consent of the Purchaser. The consignee shall be intimated at least one fortnight in advance about the date of dispatch of the set up.

9. Contents of the bid

Bidder should submit their price bid to the tender:

A. Price Bid

Price Bid should be in the following format:

1. Total Price for Supply & Machining of Moderator Assembly.

Bidder should seal the price bid separately. Both sealed price bid and technical bid shall be submitted in a sealed envelope. Please note that if price bid is not separately sealed, bidder will be disqualified.

10. Project Monitoring

Complete order to be executed in **90 DAYS** from date of purchase order.

R. Bidley