**Annexure-A**

**Technical Specifications for Programmable AC Power Source**

# **Scope of Supply & Work**

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| --- | --- | --- |
| **S.No** | **Name of the Item** | **Quantity** |
|  | 1. Supply of Rack-Mount Programable AC Power Source 2. CE Certificate 3. Packing & Delivery | 1 Set |

# **Technical Specifications**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No** | **ITER-India Specifications** | | **Bidder’s Compliance** |
|  | Make/Model No | Specify |  |
|  | Input | 1. Single Phase 2. Voltage: 230V±10% VAC 3. Frequency: 47 - 63 Hz |  |
|  | Output | AC Output Single Phase (Single Output)   1. Voltage: 5 - 300 V 2. Max Power: 2 kVA 3. Frequency: 0 - 1000 Hz 4. Max Current-1Φ 8A @ 200V |  |
|  | Output Settability | 1. AC Volt. in steps of 0.1V 2. Freq. in steps of 0.1Hz |  |
|  | Output Measurement | 1. ≤ 0.1VAC or better 2. ≤0.2A AC or better 3. ±0.1Hz or better |  |
|  | Regulation | 1. Load Regulation-1%+0.5V 2. Line Regulation -±0.1V |  |
|  | Protections | Following protection should be available   1. OV 2. OC 3. OT |  |
|  | Interface | 1. Analogue (Mandatory) 2. Any Computer interface   (Ethernet Card/USB/RS485) with all software support |  |
|  | Certifications | CE |  |
|  | Mounting | 19” Rack Mount |  |

# **Packing & Shipment**

The material should be appropriately packed with one set of documentation & Prior information of the material dispatch should be given to ITER-India Purchase Officer. The items shall be delivered to the following address:

**ITER-India Lab Building,**

**Institute for Plasma Research,**

**Near Indira Bridge, P.O. Bhat Gandhinagar -382 428, India**

# **Final Acceptance:**

After the receipt of the unit at ITER-India site, ITER-India shall conduct (i) Visual inspection for manufacturing defects, (ii)Basic Functional Tests on the unit. Upon successful completion of the tests (after resolving issues completely, if any) at site, a final acceptance note shall be issued by ITER-India. The date of issuance of final acceptance note shall be considered as the date of final acceptance.

# **Warranty:** A minimum one-year warranty should be provided.

|  |  |  |
| --- | --- | --- |
| Bidder Signature |  | |
| Name of the signatory & Title | Name | Title |
| Bidder’s Official seal |  | |
| Place & Date | Place | DD-MM-YYYY |