

INSTITUTE FOR PLASMA RESEARCH

An Aided institute of department of Atomic Energy, Govt. of India)
Near Indira Bridge, Bhat. DIST.GANDHINAGAR - 382 428 (INDIA)
PHONE :(079-2396 2000),FAX :91-079-23962277
Web : www.ipr.res.in

**MINOR FABRICATION WORKS
ENQUIRY**

Office Copy

ENQUIRY NO :IPR/MFW/21-22/108

Date : 01-09-2021

Due Date : 22-09-2021 13:00 IST

Please send your offer in sealed envelope specifying Inquiry No, Date & Due Date, ALONG WITH your credentials for the following items:

Important Note:

Please note that e-mail quotations are not acceptable however you may send your queries (if any) to **rkumar@ipr.res.in**

Please Ensure that your sealed quotation reaches this office not later than above mentioned due date and time.

Kindly go through the following document properly before Quoting which are available on the IPR web portal i.e., <http://www.ipr.res.in/documents/tenders.html/> attached here with.

1. Technical specification as enclosed.
2. Instruction to the bidders & terms and Condition (refer Form NO:**IPR-MFW-01-V1**)
3. Bidding format(refer Biddingformat MFW-Bid.pdf)

GST fro Goods and Services (IGST/CGST/SGST TAX BENEFITS): PLEASE REFER clause no:8 of Form No:**IPR-MFW-01-V1**

QUOTATION SHOULD BE ADDRESSED TO **RAJESH KUMAR** ONLY.

| Sr.No. | Description | Quantity | Rate |
|--------|---|----------|------|
| 1 | Fabrication of DC bus power supply as per the attached specifications | 2 | No. |

Free Issue Material

| Sr.No. | Description | Quantity | Unit | Value |
|--------|-------------|----------|------|-------|
|--------|-------------|----------|------|-------|

Note : Please quote with complete technical details (Technical Compliance sheet and product data sheet)

Encl:As per attachment

Rajesh Kumar
01-9-21

Specification for DC bus power supply

| SI No | Specification | Parameter |
|-------|-----------------------------|--|
| 1 | Input | 230V 50 Hz |
| 2 | Voltage | 0-120V |
| 3 | Current | 0-20 A |
| 4 | Control | CV/CC auto changeover as per load |
| 5 | Line regulation | Less than 0.1% for 10% line variation |
| 6 | Load regulation | Less than 0.1% for 0-100% variation in load |
| 7 | Polarity | |
| | Topology | IGBT based compact SMPS topology (liner and SCR based topology are not acceptable) |
| 8 | Front panel control | |
| | ON/OFF switch | MCB |
| | Voltage control fine | 10 turn POT knob |
| | Voltage control course | 11 turn POT knob |
| | Current control fine | 12 turn POT knob |
| | Current control course | 13 turn POT knob |
| 9 | Front panel facility | |
| | Voltage display (Digital) | One decimal Digital display |
| | Current display (Digital) | One decimal Digital display |
| | PS ON Indication | LET or LCD |
| 10 | OP end termination | Banana and screw compatible |
| 11 | Cabinet | 19 inch compatible |
| 12 | Protection | Fuse |
| | | Overload, OV, OC and temperature |
| | | Short-circuit proof |
| 13 | EMC | Line filter |
| | Grounding | Proper grounding terminal should be provided |
| 14 | FAT (virtual) | No Load test |
| | | Full load test |
| | | test on all specification features |
| 15 | SAT (virtual) | No Load test |
| | | Full load test |
| | | test on all specification features |

pen