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 Kr
1-9-21

Specification for DC bus power supply

Sl 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