

**Centre for Applied Research in Electronics
Indian Institute of Technology Delhi**

14 May 2012

CARE is planning to procure **High Current Power Supplies**. Quotations for suitable systems matching the desired specifications and following IITD norms are hereby invited for the purchase. Complete requirements for suitable **High Current Power Supplies** are listed below:

ESSENTIAL SPECIFICATIONS:

A. High Current Power Supply (One no.)

1. **DC Current Rating:** 6A variable and adjustable.
2. **DC Voltage Rating:** 36V variable and adjustable.
3. **Power Rating:** Capable of 200W DC bipolar power output.
4. **Operation:** Must be capable of full four-quadrant bipolar operation to act as both voltage source and current source with independent external control.
5. **Voltage:** Capable of operation at 230V, 50Hz AC single-phase mains.
6. **Computer Connection:** Must be capable of interfacing with computer with GPIB IEEE 488.6 interface standard.

B. High Current Power Supply (One no.)

1. **DC Current Rating:** 12A variable and adjustable.
2. **DC Voltage Rating:** 36V variable and adjustable.
3. **Power Rating:** Capable of 400W DC bipolar power output.
4. **Operation:** Must be capable of full four-quadrant bipolar operation to act as both voltage source and current source with independent external control.
5. **Voltage:** Capable of operation at 230V, 50Hz AC single-phase mains.
6. **Computer Connection:** Must be capable of interfacing with computer with GPIB IEEE 488.6 interface standard.

ADDITIONAL OPTIONS:

These may be quoted separately as optional capabilities of the equipment. All options must be fully compatible with the above specified configuration.

1. **Spares** not included in the above system and needed for normal or additional operation for one year should be mentioned separately.
2. **Warranty:** Minimum one year.

Interested suppliers/manufacturers are kindly requested to submit/send technical and financial bids (*FOB New Delhi, **financial and technical bids in separate sealed covers***) for the above-mentioned equipment by 5pm, 28th May 2012.

I. ALL BIDS MUST HAVE THE FOLLOWING INFORMATION.

12. *Supplier must mention the following details about the warranty:* Number of years, Starting date (from the date of installation or date supply). Additional charges in case extended warranty is required. Also mention if different components have different periods of warranty.
13. Please indicate the warranty is at customer site or not.
14. Please indicate the critical spares and their expected life time.
15. Quote the prices of listed accessories separately.
16. Delivery period must be clearly mentioned.
17. Validity of the quotations should be at least for 90 days.

18. All quotations must be F.O.B. New Delhi.
19. Please provide user list of similar systems installed within India and abroad.

II. PLEASE NOTE THE FOLLOWING POINTS

10. Mode of payment will be through letter of credit in case of imported items. Any advance payments shall be approved only as per IIT Delhi norms.
11. The Institute has the right to accept or reject any or all quotations without assigning any reasons.
12. The bidder must submit quotation for at least for one full experiment. Quotations for individual parts will be rejected.
13. **Since the equipment is meant for teaching purpose in a reputed educational Institute in India, a special price discount may be offered.**

The sealed quotations must be submitted to:

Dr. Manish Sharma
Indian Institute of Technology Delhi
Centre for Applied Research in Electronics,
Room III-124.
Hauz Khas, New Delhi – 110 016
INDIA

DEADLINE for
submitting the quotations:
5pm, 28th May 2012.