

Specifications for Voltage stabilizers for High Cost Lab Equipment

Total number of machines to be purchased is 7.

The following features must be standard part of the system and documentary evidence of the same should be provided along with technical bid under buy back scheme.

- High accuracy Output with No Harmonics
- High Speed of Correction > 60 Volts / Second or otherwise suitable.
- No wave Form Distortion
- With Low Loss Electrical Grade Steel & 99.9% Pure Electrolytic F Class Enameled Copper Wire
- Air Natural Cooled
- Capacity 50 KVA
- Input Voltage 340-480 Volts 3 Phase AC 50 HZ &
- Output 400-415 Volts + 1 %
- Individual Phase Controlled
- Surge Protected both on INPUT & Output
- 24 Hours Duty Cycle
- Epoxy Or Powder Coated Cabinet of Strong Sheet Metal pretreated with 7 TANK process & Phosphated & with RAL 7035 Finish.
- Adequately Rated Terminal Box with Glands & 25 mm Cables for Input & Output and duly protected from ingress of rodent, lizards, cock roaches etc.
- DIGITAL ADVANCED MICRO CONTROLLER BASED Control card separate for Each Phase
- RS 232 Ports will be provided that can facilitate continuous monitoring & recording of Stabilizer parameters in addition by using some software.. This is essential for our High Cost Testing & RESEARCH lab. 24 Hours in operation if is so desired later on.
- The Display should have 4 LINES LCD jumbo display for each phase that should display Input Voltage, Output Voltage, Load Amps. The control box should have On-mounted Programming Pad, pass word locked to Digitally adjust the values of Voltage, Sensitivity, Start On Delay, High Voltage & Low Voltage Cut Off values & delays, Over Load Cut Off Value & delays to match the requirements of critical loads.
- The Stabilizer should have soft start function to ensure no jerk or no high voltage on start & switching in case of sudden failure of supply and on its restoration.
- Additional feature: Bypass switch such that the electricity flow can be from the direct source and not just through the stabilizer.
- The full control mechanism shall be dust protected by placing all control cards & display ICs in a MS box with hinged glass cover.
- The stabilizer will use best of Variable Transformers with COATED TRACK. No epoxy shall be used for Track Coating. Special Heat Sink Compound of Class F shall be used for Track Coating. The Carbon Bearing Track will be Ground on Rotary Surface grinder & not hand finished with Emery paper or file.
- The Motorization system shall be from be free gears on motors or variable transformers. The units will be Silent in operation by use of Rubberized Timing Belts and pulleys.
- The Variable Transformers will be mounted with Track as vertical Face so that dust does not settle on the Track of carbon.

Machines under buy back:

Total 7 with the following break up.

Servo Type Automatic Voltage stabilizer, oil cooled, 60 KV –1 No. working at site

Automatic Servo voltage stabilizer, air cooled, 50KV a -5 No. working at site

Servo Type Automatic Voltage stabilizer, air cooled, 45 KV a -1 No. working at site

Site of Installation

For site visit where units needs to be installed please contact

Dr. Kaustuv Datta, Department of Genetics, UDSC.

Tel: 24119810 Email: kdatta@south.du.ac.in

Eligibility Criteria

- Bidder should be Manufacturer/ Authorized Partner/ Reseller of the manufacturer and a Letter of Authorization from manufacturer for the same and specific to the tender should also be enclosed. The bidder should also be the Authorized Service Provider.
- Bidder should be financially sound to execute the order. Certificate to this effect should be issued by any nationalized/ scheduled bank showing its annual turnover of at least 25Lakhs each in the last three financial years.
- The Bidder shall provide the Registration number of the firm along with the LST/ CST/ WCT No. and the PAN Number issued by the concerned authorities.
- Separate technical and price bid should be uploaded:
- Technical Bid must contain a Technical Compliance sheet. Technical compliance sheet must have the page number of a published catalogue/operating manual/manufacture website as proof for compliance with the instrument and accessories for each technical points. Relevant copies of catalogue/operating manual/manufacture website pages that have been listed as proof should be attached.
- The bidder must not be blacklisted by Delhi University or any other Government of India department. A Certificate or undertaking to this effect must be submitted.
- Proven after sales service records i.e. company must provide the nearest authorized sales and service representative from the site of installation.
- Company should provide user list with email and Phone numbers of orders placed in the last 2-4years.
- **Earnest money:** Demand draft of Rs 20,000 in favor of Director, South Campus must be submitted to the Department of Genetics office. A scanned copy of the demand draft must also be submitted along with the online tender

No Commitment to Accept Lowest or Any Tender

- University of Delhi shall be under no obligation to accept the lowest or any other offer received in response to this tender notice and shall be entitled to reject any or all offers. University of Delhi will not be obliged to meet and have discussions with any vendor, and or to listen to any representations.

Warranty /Comprehensive Maintenance

- Machine and accessories should be warranted for minimum 1 year from the date of installation certified by the manufacturer.
- The Bidder shall quote for under optional item extended warranty upto 4 years with year wise split after expiry of standard warranty of 1 year. This would cover repair, spare parts etc. supplied by vendor at the place of installation.
- Installation and commissioning to be completed up to the satisfaction level of the technical purchase committee followed by training and handling by the bidders

Price quotation

- F.O.R. UDSC price (INR/FC) to be quoted which includes, custom duty & clearance as well as transportation charges to site of installation. CDEC/IGST certificate will be provided if requested.
- Price Bids should contain the prices, terms of delivery, sales, payment terms etc.
- Price quotation should include cost for installation such as carpentry or masonry work
- Price bid should also include site preparedness i.e. any minor civil/electrical/plumbing work required for installation/smooth operations during warranty period.
- Price quotation must include removal of any installed equipment if required.
- Payment will be made against successful installation. Advance payment will NOT be made.
- After successful installation a Performance Bank Guarantee totaling Rs 1,00,000 valid for the time of warranty must be submitted along with the itemized bill.

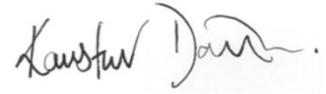
Published Date : 17-05-2018 (15:00 Hrs)

Bid Document Download Start Date : 18-05-2018 (11:00 Hrs)

Bid Submission Start Date : 19-05-2018, (10:00 Hrs)

Bid Submission End Date : 09-06-2018, (17:00 Hrs)

Bid Opening Date 11-06-2018, (11:00 Hrs)



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All the relevant documents related to tender can be found on CPPP portal