

Govt. Engineering College Bikaner

Pugal Road , Karni Industrial Area, Bikaner (Rajasthan)

NOTICE INVITING BID NIB No. ECB/e-tender/2017/02

IMPORTANT DATES

1.	Starting Date of Issue of Tender	November 06, 2017
2.	Last Date of Tender Submission on E-Procurement	December 06, 2017 at 01:00PM
3.	Date of Opening of Tender	December 06, 2017 at 02:00 PM

SCHEDULE – A

1. BIDs are invited for the supply of equipments for Govt. Engineering College Bikaner through E-Procurement site of Govt. of Rajasthan.
2. **BIDs are to be procured and submitted only in electronic format on the website <https://eproc.rajasthan.gov.in>**
3. The bidders who wish to participate in bidding will have to procure digital certificate as per IT Act to sign their electronic bids. Offers which are not digitally signed will not be accepted. Bidder shall submit their offer in electronic format on above mentioned website after digitally signing the same.
4. The processing fee of Rs. 500/- is to be paid in form of Demand Draft in favor of “Managing Director, RISL” Payable at “Jaipur” to be deposited physically and should upload the scan copy of Demand Draft.
5. The BID fee of Rs. 500/- is to be paid in form of Demand Draft in favor of “**Principal, Engineering College Bikaner**” Payable at Bikaner” to be deposited physically and should upload the scan copy of Demand Draft.
6. **Last date of tender is 06/12/2017 up to 01.00 PM.**
7. Earnest Money/BID Security of **INR 19800/-** should be deposited through a **Demand Draft** drawn in favor of “**Principal, Engineering College Bikaner**” payable at Bikaner.
8. **Financial bid and Technical bid** must be placed separately.
9. **The D.D. of EMD and scanned copies of required documents/experimental test reports as mentioned in the Technical schedule must be uploaded along with Technical evaluation bid.**
10. Financial Bid will be opened only after qualifying in Technical Evaluation Bid and submission/deposit of Demand Draft of required EMD , BID Fee & processing fees as per **annexure 1.**
11. The goods/equipments should be transmitted from the supplier to the Govt. Engineering College Bikaner, without any transportation charges.
12. Samples should be recollected by the bidder immediately after a week from the date of delivery, if the bidder will not take their sample back immediately after one week, it may be absorb by the institute and no cost will be given to the bidder for this same. No payment will be made to the bidder against any damage/breakage in the sample of any bidder.
13. Quoted rates should be valid up to six months from the last date of the tender submission.

14. On the same terms & conditions (as given in the tender document) the re-order up to 50% quantity (as given in first purchase order) may be placed (if required) within six month of the finalization of the tender.
15. No interest will be given to the bidder on earnest money.
16. In case any dispute the area of Jurisdiction will be Bikaner only.
17. Bidder should agree with all terms and conditions given in the bid document including financially bid & technical bid. The Bidder may not have their own terms and conditions, otherwise tender will be rejected.
18. The purchase committee/institute has the right to reject any Bid/tender (of one bidder, more than one bidder or all bidders) without giving/ assigning any reason for the same.
19. The institute reserve all the rights (to take any decision) regarding bidding process, finalization of tender, issue of work order/ purchase order, terms and conditions of the bid or any modification in the bidding process.
20. Bidder should supply the equipments within one month from the date of the issue of purchase order. The late delivery penalty will be charged from the bidder as per the applicable institute norms.

SCHEDULE - B

FINANCIAL BID

1. The rates should be quoted in 'Financial Bid' only.
2. Rates should be quoted in Bid form 'Financial Bid' only in .xls format.
3. BIDs are to be procured and submitted only in electronic format on the website [https:// eproc.rajasthan.gov.in](https://eproc.rajasthan.gov.in)

Note: The Bid shall be rejected if the rates are not quoted in the required format and as per the required specifications in the Bid form, or if any of the conditions mentioned above are not fulfilled.

Performa of Financial BID

S.No.	Item	Quantity	Estimated Rate Rs. P	Quoted Rate per Piece/unit with all taxes in INR (in words)	TOTAL AMOUNT With all Taxes in Rs. P	TOTAL AMOUNT In Words
1	Hybrid/Multimode PWM ac power controller test setup	5	990000.00			

Note: Rates quoted should be inclusive of all applicable taxes / Levis etc.. Bidder is bound to pay all the applicable taxes as per Govt. rules applied time to time.

SCHEDULE – C

TECHNICAL BID

Prequalification and "Technical specifications" details

Part – I General Details

S.No.	Item Details	Response
1.	Name & Address of the Bidder & Firm with Contact Phone Numbers & email id	
2.	Registration number of the firm	
3.	Type of Organization/ Enterprise of the Bidder	
4.	Udyog Adahar Number (if any)	
5.	PAN Card No.	
6.	GSTIN No.	
7.	EMD Details	
8	Make and Model of the quoted item	
9	Technical specifications of the quoted item	
10	Details of the annexure of attached/uploaded technical documents	

*** All the above details must to be filled by the Bidder; otherwise the tender will be rejected.**

* All above claims must be supported with relevant documents & Certificates.

(Signature of the Bidder)

With Stamp & Seal

Name : _____

Date : _____

Place : _____

Part – II - Technical Specifications

G-Schedule for Hybrid/Multi mode Three Phase plus Single Phase PWM AC power controller test setup

Hybrid/Multi mode Three Phase plus Single Phase PWM AC power controller test setup, capable of operating in both single and three phase mode of operations and the controller should be capable to feed 3 phase dynamic/resistive load systems, with floating and without floating star dynamic load conditions and delta dynamic loading conditions in steady state and dynamic situations. The test system should also be capable of feeding to single phase loads. The flow of power should be controlled using the pulse width modulation control technique.

The detailed specifications of the Hybrid/multi mode Three Phase plus Single Phase PWM AC power controller test setup are as follows.

S. No.	Technical Specifications
1	<ul style="list-style-type: none">• Output Current Rating : 80 Amp/phase RMS (AC)• Input Voltage (fixed at any value between) : 200-415 V RMS (AC) for 3 phase mode of operation & 0-230V for 1 phase mode of operation,• Adjustable Output Voltage Range (adjustable at any value which is less than the input voltage): 200-415 V RMS (AC) for 3 phase mode of operation & 0-230V for 1 phase mode of operation,• Switch Type : Fully-Controlled type IGBT Switching• L-C Filter should be incorporated for harmonic reduction analysis in output current of supply.
2	All power electronic switches (IGBTs) of the power converter of the multi mode Three Phase plus Single Phase PWM AC power controller test setup should operate up to 10 kHz.
3	Hybrid/multi mode Three Phase plus Single Phase PWM AC power controller test setup must be capable of driving Dynamic, R-L , Resistive Load.
4	Hybrid/multi mode Three Phase plus Single Phase PWM AC power controller test setup must have appropriate protection of Switching Devices.
5	Access points should be available for all Intermediate signaling points of the control and power circuit of the Hybrid multi mode Three Phase plus Single Phase PWM AC power controller test setup, for the analysis purpose as per the requirement of the lab authorities.
6	Access points must be available on the front panel to register the transient changes in the system during the sudden load changes and dynamic situations. The encloser of test setup should be fully transparent
7	Input and output voltage control settings must be available on the front panel of the test setup. Supplier has to give warranty of the system for One Year.
8	Any number of Additional Testing Points on the main Control Panel taken from the Hybrid/multi mode Three Phase plus Single Phase PWM AC power controller may be added by the technical members of the committee. Converter will also used for Research Purpose in laboratory therefore during the finalization of tender technical experts may ask to provide additional testing points on the panel. No addition payment/cost will be given for it.

9	Proper isolation between control and power circuit must be provided in the Hybrid/multi mode Three Phase plus Single Phase PWM AC power controller test setup.
10	Proper load and source side protection must be provided.
11	Firm must submitted the design of the outer panel along with the tender document.
12	The experimental test reports (hardware results recorded on power analyzer) of the Hybrid/multi mode Three Phase plus Single Phase PWM AC power controller test setup including waveforms of voltage & currents at different values of duty cycle along with the tabulated values of voltage, current, power, PF, Crest factor , active power, reactive power, THD in output voltage, THD in output current, THD in Source Current at different values of duty cycle (at least at five different duty cycle at suitable intervals) must be attached along with the tender documents.
13	If the above said experimental reports of the Hybrid/multi mode Three Phase plus Single Phase PWM AC power controller test setup will not be found attached along with the tender documents of any party/firm/company/vendor (participating in tendering process), the tender document of that firm will be cancelled (not considered) immediately at the time of the opening of the tender.
14	The detailed brochure of the quoted item with complete technical details/specification along with make & model number must be attached with the tender document otherwise tender document will not be considered.
15	The technical members of the purchase committee may also ask any firm for the demonstration of the Hybrid/multi mode Three Phase plus Single Phase PWM AC power controller test setup before finalization of the tender.
16	The real time experimental values of the output voltage, input voltage must be displayed on the panel board using suitable meters.

Note:- Scanned Copies of all the experimental test reports as mentioned in the Technical Specification must be uploaded/attached otherwise tender will be rejected.

Annexure 1

S. No.	Name of the Item	Quantity	Total Estimated Cost (in INR)	EMD/BID Security (in INR)	BID Fee (in INR)	Processing Fees (in INR)
1	Hybrid/Multimode PWM ac power controller test setup	5	990000.00 (9.90 Lac)	19800.00	500/-	500/-