

Govt. Engineering College Bikaner

Pugal Road, Karni Industrial Area, Bikaner (Rajasthan)

NOTICE INVITING BID
NIB No. ECB/e-tender/2017/01

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 01:00 PM
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 19840/- 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 D.D. 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 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>

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 Multi Mode Three Phase Plus Single Phase Fully AC power Controller controlled AC Motor Generator System	4	992000			

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 Specification

Hybrid Multi Mode Three Phase Plus Single Phase Fully AC power Controller controlled AC Motor Generator System

Hybrid Multi Mode Three Phase Plus Single Phase Fully AC power Controller controlled AC Motor Generator System capable of operating in both single and three phase mode. The power electronic converter of the system should be capable to control the flow of AC power from source to the 3 phase dynamic load/resistive load/inductive load systems, with floating and without floating star dynamic load conditions and delta dynamic loading conditions in steady state and dynamic situations. It should be capable to control the flow of AC power from source to the single phase loads. The power electronic switches should operate on fundamental frequency and power flow should be controlled using phase control technique.

The detailed specifications of the Hybrid Multi Mode Three Phase Plus Single Phase AC power Controller and other necessary requirements are as follows.

S. No.	Specifications
1	<ul style="list-style-type: none">• Output Current Rating : 100 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 : SCR.• L-C Filter should be incorporated for harmonic reduction analysis in output current of supply.
2	Hybrid Multi Mode Three Phase Plus Single Phase Fully AC Controller must be capable of driving Dynamic, R-L , Resistive Load.
3	Hybrid Multi Mode Three Phase Plus Single Phase Fully Controller must have appropriate protection of Switching Devices.
4	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 Fully Controller, if any, for the analysis purpose as per the requirement of the lab authorities.
5	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.
6	Input and output voltage control settings must be available on the front panel of the Hybrid Multi Mode Three Phase Plus Single Phase Fully Controller system. Supplier has to give full warranty of the system for One Year.
7	Any number of Additional Testing Points on the main Control Panel taken from the Hybrid Multi Mode Three Phase Plus Single Phase Fully Controller circuit may be added by the technical members of the committee. Converter will also used for Research Purpose in laboratory so during finalization of tender technical experts may ask to provide additional testing points on the panel. No additional cost will be given for it.
8	Proper isolation between control and power circuit must be provided in the system.
9	Proper load and source side protection must be provided in the system.
10	Firm must submitted the design of the outer panel.
11	The fully controlled AC controller system should have soft start feature.
12	The experimental test reports of the Hybrid Multi Mode Three Phase Plus Single Phase

	Fully AC power Controlled AC Motor Generator System including waveforms of voltage & currents at different firing angles 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 firing angles (at least at five different firing angles at suitable interval of at least 20 degree) 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 Fully Controlled AC Motor Generator System will not be found attached along with the tender documents of any party/firm/company/vendor, the tender document of that firm will be rejected 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 be rejected.
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 Fully Controlled AC Motor Generator System before finalization of the tender.
16	The real time experimental values of the output voltage, input voltage & firing angle (delay angle) must be displayed on the panel board using suitable meters. The motor generator system comprises of Induction motor (5HP) mechanically coupled with a DC or AC generator (3 H.P.).

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 Multi Mode Three Phase Plus Single Phase Fully AC power Controller controlled AC Motor Generator System	4	992000.00 (9.92 Lac)	19840/-	500/-	500/-