

FORM OF SHORT TENDER NOTICE

No. D2/3404/17/GECTCR

Government Engineering College Thrissur

Sealed tenders are invited for the supply of AC-DC Electronic Load for Electronics & Communication engg. departmet

Seperate List Attached

The envelopes containing the tender should bear the superscription "Tender. No.D2/72/17-18 due on 16/08/17" and should be addressed to the Principal, Govt. Engg. College, Thrissur, Kerala..

Last date for receipt of tenders will be 16/08/17 2.00 pm Late tenders will not be accepted. The tenders will be opened at Government Engineering College Thrissur on 17/08/2017 11.00 am in the presence of such of the tenderers or their authorized representatives who may be present at that time. Intending tenderers may, on application to the Principal, Govt. Engg. College, Thrissur, obtain the requisite tender forms on which tenders should be submitted. Application for the tender form should be accompanied by a cash remittance of Rs. 1680/- + postal charge which is the price fixed for a form/set of forms and which is not refundable under any circumstances. The tender forms are not transferable. Sale of tender forms will be closed at 16/08/2017 12.00 pm Cheques, postage stamps, etc., will not be accepted towards the cost of forms, nor will the forms be sent per V.P.P.

Tenders should be accompanied by EMD of 1%, subject to a minimum of Rs. 1500/- , of the amount by DD drawn in favour of the Principal, Govt.Engineering College, Thrissur with an agreement in Kerala Stamp Paper worth Rs.200/-. Details can be had from the Govt.Engineering College Office working hours.

Place:Thrissur

Date: 19.07.2017

Copy to

1. Notice Board
2. HOD Electronics & Communication Engineering



Dr.J.David

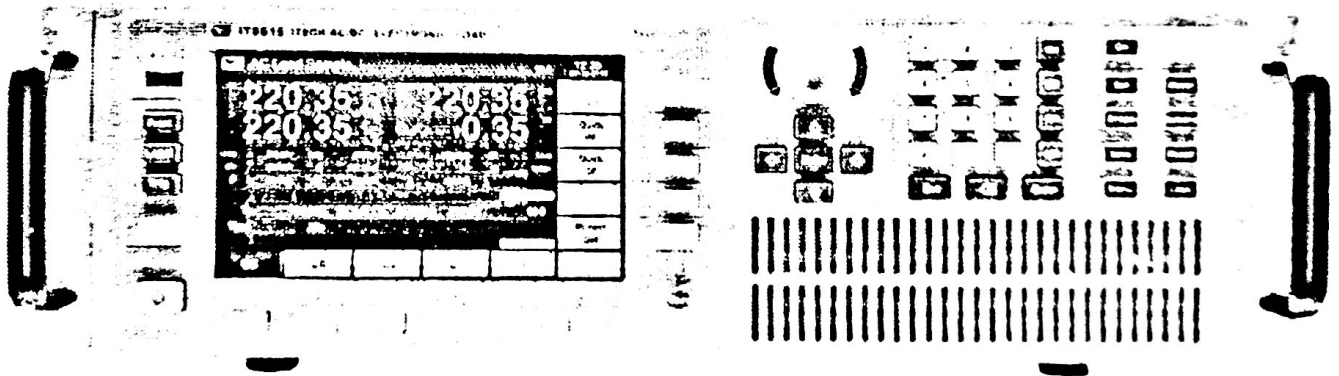
Principal



SL. No	Item	Specifications	Qty
1	AC-DC Electronic Load	<p>1800 W AC-DC Electronic Load. Warranty 3 years Input scope: 50~420Vrms, 0~20Arms and 1800W. Frequency range: 45~100HZ Parallel connection/three-phase control. Oscilloscope function supporting display of voltage and current waveform. Be able to measure Vrms, Vpk, Vdc, Irms, Ipk, Idc, W, VA, VAR, CF, PF and FREQ. Be able to measure THD (V) parameters of as high as 50 orders. AC electronic load: CC /CR/CW mode. DC electronic load: CC/CR/CW/CV mode External 0-10V analog quantity control, voltage and current analog quantity monitoring function. OTP, OCP, OVP, UVP and OPP protection function GPIB, LAN and USB communication interface and external USB flash disk interface. (Detailed specifications attached)</p>	1

AC/DC Electronic Load


AC/DC electronic load with 3U small volume can achieve the 420V/20A/1800W input scope, with the adjustable frequency of 45HZ~100HZ. The unique oscillographic display function can display the voltage and current input waveform. It should be equipped with measurement modes of different parameters such as surge current, peak value, effective value and PF (power factor) and voltage harmonics of as high as 50 orders can be measured so as to make a comprehensive analysis of the performance of object to be measured. The product should equipped with standard GPIB, LAN and USB communication interfaces and can provide rapid and stable communication quality.



AC/DC Electronic Load Technical Specifications

	Input Voltage	50~420Vrms(600V peak)
Parameter	Input Current	0~20A(Rms) 60A(peak)
	Input Power	1800W
	Frequency	45~450Hz Dc
AC Section		
	Range	0~20A rms
CC	Resolution	2mA
	Accuracy	0.1%+0.2%FS
	Range	3Ω~2.5KΩ
CR	Resolution	16bit
	Accuracy	0.2% +0.01S
	Range	1800W
CP	Resolution	0.4W
	Accuracy	0.3%+0.3%FS
	Range	1.414~5.0
Crest Factor (CF)	Resolution	0.005
(CP,CCmode)	Accuracy	(0.5% / Irms) + 1% F S.
	Range	0~1
Power Factor (PF)	Resolution	0.001
	Accuracy	1%FS
Interface	GPIB,LAN,USB Interface, External USB interface	
Dc section		
	Input Voltage	10~600V
	Input Current	0~20A
V/C/W rms	Input Power	1800W
	Mode	CC CV,CP CR
	Short circuit simulation	The max power point or max current in CC mode
Meter		
	Range	0~60A
Current	Resolution	1mA
	Accuracy	0.1%+0.2%FS(<70Hz), 0.1% + 1+CF*2*KHz + 0.2%FS(>70Hz)
	Range	600V
Voltage	Resolution	10mV
	Accuracy	0.1% +0.1%FS
Others	S.Q.P,THDv,Freq CF PF Ip+ Ip.ft,Oscilloscope	

- Input scope: 50~420Vrms, 0~20Arms and 1800W
- Frequency range: 45~100HZ
- 3U volume, 1800W and 7"LCD screen
- Parallel connection/three-phase control
- Oscilloscope function supporting display of voltage and current waveform
- Be able to measure Vrms, Vpk, Vdc, Irms, Ipk, Idc, W, VA, VAR, CF, PF and FREQ
- Be able to measure THD (V) parameters of as high as 50 orders
- AC electronic load: CC /CR/CW mode
- DC electronic load: CC/CR/CW/CV mode
- External 0-10V analog quantity control, voltage and current analog quantity monitoring function
- OTP, OCP, OVP, UVP and OPP protection function
- GPIB, LAN and USB communication interface and external USB flash disk interface


Principal
 Govt. Engg. College
 Thrissur