

Rajiv Gandhi Institute of Technology, Kottayam


No. D3/6334/16/RIT

Dated: 04.01.2017

TENDER SCHEDULE

Superscription : Tender No.D3/6334/16/RIT, purchase of 'Solar Photovoltaic Array Simulator' for the Research Lab in the EEE Department

Last date and time receipt of tender : 25/01/2017 11 a.m

Date and time of opening of tender : ~~25/01/2017~~ 2 p.m 31-01-17 

Last date and time of sale of tender form : 24/01/2017 2 p.m

Date upto which the rates are to be firm : 31/06/2017

Cost of tender form : **Original Rs.1890/- includes VAT 5%**
Duplicate Rs.Nil
By Post Rs.Nil

Address of the Officer from whom Tender Forms are to be obtained to whom tenders are to be send : THE PRINCIPAL,
RAJIV GANDHI INSTITUTE OF TECHNOLOGY,
VELLOOR P.O,
PAMPADY,
KOTTAYAM,
KERALA,
PIN -686 501

List of Items Required

Details of items

Quantity

1 List attached




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RAJIV GANDHI INSTITUTE OF TECHNOLOGY
KOTTAYAM- 686 501

Sl.No	Item	Specification	Quantity
1	Solar Photovoltaic Array Simulator	<ul style="list-style-type: none"> ◆ Voltage range:0-150 V ◆ 10kW high power density module with easy master/slave parallel operation ◆ Fast transient response solar array simulation ◆ Simulation of multiple solar cell material's I-V characteristic (fill factor) ◆ Simulation of dynamic irradiation intensity and temperature level from clear day to cloud cover conditions ◆ Shadowed I-V curve output simulation (up to 4096 data points) ◆ Low leakage current < 3mA ◆ Precision V & I measurements required ◆ Auto I-V program: 100 I-V curves & Dwell time 1-15,000s ◆ Data recorded via software ◆ Standard USB and Ethernet interface ◆ Real time analysis of PV inverter's MPPT tracing via software ◆ Free graphic user interface - soft panel for operation ◆ Real world weather simulation fast I-V curve update rate: 1s ◆ Support up to six-channel SAS control for multi-MPPT testing ◆ Build- in dynamic MPPT test profile of EN50530, Sandia, CGC/GF004 and NB/T 32004 ◆ Laptop with following specification 	1 no




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Intel® Core™ i7-6500U with Intel® HD graphics 520
(2.5 GHz, up to 3.1 GHz, 4MB cache, 2 cores)
8 GB LPDDR3 SDRAM (onboard)
256 GB M.2 SSD
Intel® HD Graphics 520
13.3" Anti-glare Full HD Display
802.11 a/b/g/n/ac (2x2) and Bluetooth® 4.0
combo (Intel Widi support along with Miracast)
3 USB HDMI; 1 headphone/microphone
combo Bang & Olufsen Audio with dual speakers
and equalizer software: Designed for True Audio
Perfection on a PC




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