

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
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	

PRINCIPAL

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

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; 1 headphone/microphone

combo Bang & Olufsen Audio with dual speakers

and equalizer software: Designed for True Audio

Perfection on a PC