ELECTRICAL ENGINEERING DEPARTMENT
DELHI TECHNOLOGICAL UNIVERSITY
SHAHBAD DAULATPUR, BAWANA ROAD, DELHI-110042

No. F. DTU/EED/Project/DTU-YFG/02/2026/2057 05.05.2026

NOTICE INVITING QUOTATIONS

Sealed Quotations are invited for the supply of following items in Electrical Engineering Department. The sealed quotations on company's letter head including GSTIN no. should reach to the office of the Head, Department of Electrical Engineering, Delhi Technological University, Delhi-110042 latest by **20th May 2026.**

S. No.	Parameter	Specification
1	Equipment	Solar Array Simulator (Programmable DC Power Supply with Solar Array Simulation Software)
2	Rated Output Power	Minimum 800 W
3	Maximum Output Voltage	Up to 160 V DC
4	Maximum Output Current	Up to 10 A DC
5	Operating Modes	Constant Voltage (CV) and Constant Current (CC) modes
6	Constant Voltage Mode	Load regulation ≤ 5 mV (0–100% load), Line regulation ≤ 2 mV, Ripple ≤ 8 mV RMS (Bandwidth 1 MHz)
7	Constant Current Mode	Load regulation ≤ 3 mA, Line regulation ≤ 2 mA, Ripple ≤ 5 mA RMS (Bandwidth 1 MHz)
8	Analog Programming	Voltage programming 0–5 V / 0–10 V selectable with accuracy ±0.5% of rated output
9	Display Type	Separate digital/LED display for voltage and current indication
10	LED Indicators	LED indicators for CV, CC, Over Voltage, Under Voltage, Foldback, Remote and Output ON
11	PC Connectivity	The system should support PC-based control and monitoring through USB/LAN/RS232 interface with dedicated Solar Array Simulation software
12	Protection Features	Over Voltage, Over Current, Short Circuit, Foldback and Over Temperature protection
13	Output Terminals	Bus bar with M5 bolts
14	Input Supply & Frequency	Single phase AC input supply approximately 170–250 V, 47–55 Hz

S. No.	Parameter	Specification
15	Data Logging & Storage	Facility for data logging of PV parameters such as Voc, Isc, Vmp, Imp, Pmp, MPPT efficiency, irradiance and temperature, with capability to store up to 4096-point array of user-programmed voltage and current values
16	Solar Array Simulation Software	Software capable of PV array modelling including automatic calculation of Voc, Isc, Vmp and Imp, simulation of I–V and P–V curves, MPPT efficiency testing (static and dynamic as per EN50530), Excel data import/export, irradiance and temperature variation, configurable solar array size, and shadow simulation

Terms & Conditions

- The quoted price must be inclusive of all taxes, transportation, installation, and demonstration charges.
- Delivery should be completed within [4 week] days from the date of purchase order.
- Payment will be made after successful delivery and installation.
- The authority reserves the right to accept or reject any or all quotations without assigning any reason.

(Prof. Rachna Garg)
Head,
Department of Electrical Engineering

Copy to

1. Sr. Account Officer
2. HOD (CC) to upload on DTU website
3. Notice board, EED.