

Corrigendum to e- Tender Notice NITJ/PUR/75/18/e-Tender No. 08/2018, CAT-G

As technical specification of the required equipment (Solar Simulator with I-V curve analyzer system) has undergone slight technical modification, the revised technical specification may please be seen as per Annexure- II. Accordingly bidders are requested to apply as per revised specifications only.

Registrar

ANNEXURE-II

Solar Simulator with I-V curve analyser System

Detailed Specification required (New)

Features

Equipment Type:

Spot dimensions (AAA class)

Incident power

Type of lamp:

Spectral profile

Emission bandwidth

Lamp lifetime

Spectral match

Temporal stability

Spatial uniformity

Measurement

Description

Class AAA (IES/ASTM/JIS Standard) Solar Simulator

5 cm X 5 cm

1000 W/m² (1 Sun)

Xenon/high quality LED lamp

AM1.5G

350 nm – 1400 nm

> 1000 h

Class A

Class A

Class A

Short Circuit Current (μ A-Ampere)

Open Circuit Voltage (mV -V)

Load Current, Power at Fixed voltage

Maximum (Peak) Power Current &

Voltage at Peak Power

Fill Factor, Conversion efficiency

Source meter

: 1 μ V – 20 V

: 10 pA - 1 A

I-V Characteristic Measurement System

- Voltage Measurement Range
- Current Measurement Range

Display Unit

:Digital display unit fitted with required software and I-V Curve Analyzing Software

Power required

:Should work in Indian Standard 240V, 50Hz

ISO Certificate

:Should have ISO 9000 certification enclosed

Class AAA Certificate

: Should Have Class AAA Certificate and meet IEC60904-9 Edition 2(2007), JIS C 8912 and ASTM E 927-05.

Note:

1. The equipment should be supplied with spare lamp with standard make on/off switch, Mains Indicator etc.
2. The equipment should be provided with calibration system and optical filters.
3. Proper COOLING SYSTEM SHOULD BE included for solar simulator safety.
4. Lamp replacement should be simple and easy.

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5. Manufacturer/Supplier should have 3 references in India.
6. Manufacturer/ Supplier should have service facility in India and service engineers should be available on request within 5-7 days onsite.
7. A complete set of detailed operating and service manuals in English should be provided.
8. Any other accessories for smooth working and installation of instrument should be provided by the supplier.
9. The equipment should be installed by supplier on the site free of cost.
10. At least three years on-site warranty after completion of installation with free replacement of any damaged component including software has to be provided.
11. Custom Clearance, Custom duty, Taxes, Transportation Charges have to be mentioned.

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