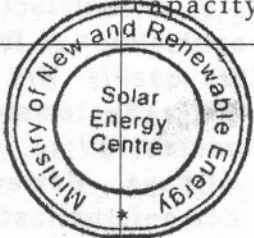


S. No.	Test Description	Requirements as per MNRE Specs. 2006-2007	Observations	Remarks
1.	PV Module i. a) Name of Manufacture's or distinctive logo b) Model or Type No c) Serial No. d) Year of make. ii. No. of Modules iii. Wattages at 16.4V for 12V System iv. Type of module	Description to be laminated inside module so as to be clearly visible from the front side. 1Module of 18W for Model 1, 1 Module of 37W for Models 2&3, 1 Module of 74W or 2. Modules of 37W each for Models 1 to 5 at STC. Crystalline(Multi/Mono)	M/s Andromeda AM112 04777 / 31348 / 31349 2008 03 18.10W 39.22W 39.19W Mono Crystalline Silicon	Detailed I-V curve of testing enclosed on page 4-6.
2.	Lamp i Make and Wattage. ii No. of Pins iii Light Output a) Prior to 1000 On/Off cycles b) After 1000 On/Off cycles	4 Nos. 9W/11W CFL 4 or 2 pin only. 600±5% Lumens-for 9W CFL & 900±5% Lumens-for 11 W CFL Total degradation in lumen output should not be more than 10%.	M/s Osram 9W(4 nos.) 4 Pins 580 Lumens(Inverter 1) 571 Lumens(Inverter 2) 577 Lumens(Inverter 3) 583 Lumens(Inverter 4) 571 Lumens(Inverter 1) 563 Lumens(Inverter 2) 568 Lumens(Inverter 3) 574 Lumens(Inverter 4)	
3.	Battery i Make and type ii Voltage iii Capacity at c/10 discharge rate. iv % of rated capacity between low and high voltage cut-off	Flooded electrolyte type, Tubular plate low maintenance battery. 12V 20 Ah for Model 1, 40Ah for Models 2 & 3, 75 Ah for Models 4 & 5. 75%	M/s Bindal /M/s Okaya Tubular plates lead acid batteries. 12 V 27.59(Bindal-SNo.030403) 44.1(Okaya S.No.021436) 79.3/OkayaS.No611601002 5) 90%(Bindal-SNo.030403) 91%(Okaya S.No.021436) 85%(OkayaS.No611601002 5)	Low cutoff to be adjusted to 11.825,11.684&11.640 V for 20,40 & 75AH batteries respectively to keep 75% of rated capacity
4.	Electronics Inverter-1 (9W) a. Wave form type. b. Frequency c. Efficiency d. Preheating arrangement	Sine or quasi sine 20-35 kHz 80% Reqd. for a 4 Pin lamp only.	S.N.446 (1) Quasi sine wave. 27.679kHz. 84% Provided	

Prepared by:

G. Anand

Approved by:

Asp

Issued by:

Asp

Test Report No.	Total No. of pages	Page No.
446/SEC/438/01/06/2008-HIS	6	2