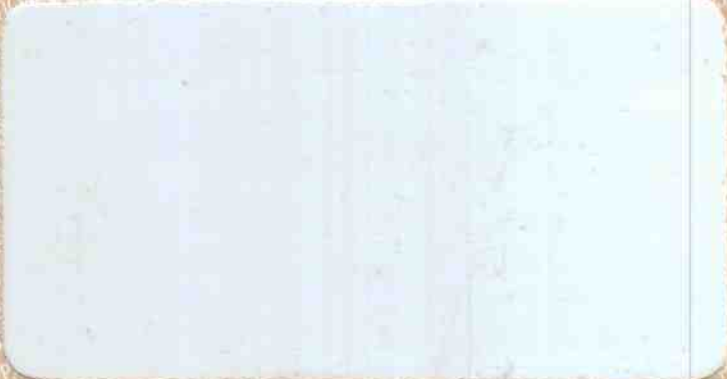




# TEST REPORT



Government of India  
 Ministry of Communications and Information Technology  
 Department of Information Technology  
 Standardisation Testing and Quality Certification Directorate  
**ELECTRONICS REGIONAL TEST LABORATORY (EAST)**  
 Block DN, Sector V, Salt Lake, Kolkata 700 091  
 INDIA

Government of India  
 Ministry of Communications and Information Technology  
 Department of Information Technology, Standardisation Testing & Quality Certification Directorate  
**ELECTRONICS REGIONAL TEST LABORATORY (EAST)**

TEST REPORT ON : SOLAR HOME LIGHTING SYSTEM : PAGE : OF  
 : : 01 : 07

- 1.0 SCOPE :
- 1.1 Service Request No.: TE/0041/04-08
- 1.2 Test Report No. : ERTL(E)/TES/A383/0051/04-08  
 Date : 18/06/2008
- 1.3 Requested by : AUTONIC ENERGY SYSTEMS PVT. LTD  
 ( Name & Address of 2, HARI KRUPA, LIBERTY  
 of the organisation) GARDEN, ROOM NO.1  
 MUMBAI 400 064
- 1.4 Description , i) Item : SOLAR HOME LIGHTING SYSTEM  
 Identification ii) Make : AUTONIC ENERGY SYSTEM  
 of the item iii) Model : 2  
 to be tested iv) Sl.No. : -  
 v) Qty. : 1
- 1.4.1 Applicable Spec.of the item(s) tested:
- 1.4.2 Characterisation and (i) Characterisation : Not applicable /  
 condition of the item (ii) Condition : Satisfactory /
- 1.5 Date of item received : 16/04/2008
- 1.6 Date of completion of : 18/06/2008  
 testing
- 1.7 Location where testing : In house  
 performed
- 1.8 Ambient condition during : 25 +/- 1.5 Deg.  
 measurement 70% RH. Max.
- 1.9 Spec. used for testing : MODEL II AS PER MNRE SPECIFICATION
- 1.9.1 Details of non-standard : NIL  
 method followed (if any)



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TEST REPORT NO.	: ERTL ( E ) / TES / A 383 / 0051 / 04- 08		
TEST REPORT ON	: <b>SOLAR HOME LIGHTING SYSTEM</b>		
MAKE	: AUTONIC ENERGY SYSTEM	TEST ENGR.	DATE
MODEL	: 2	S.Das	18-Jun-08
JOB NO.	: 0051 / TE / 04- 08		

## TEST RESULTS :

TEST NO.	TEST OR ENVIRONMENT	CLAUSE NO.	QUANTITY		SPECIFICATION LIMIT	TEST RESULT	REMARKS
			TESTED	FAILED			
<b>1.0</b>	<b>LAMP</b>						
1.1	Visual observation	IV(i)	2	0	Should be compact fluorescent type (CFL), 2 pin or 4 pin with 9W or 11W rating.	Complied 4 pin CFL with 9 W rating.	The system was supplied with 'OSRAM' make lamp.
1.2	Mounting Configuration	IV(iii)	2	0	Lamp housing should be suitable for indoor use with reflector on its back and capable of holding the lamp in base up position.	Complied	
1.3	Light out put	IV(ii)	2	0	600 ± 5% Lumen for 9 W lamp	613.5 & 627.4 Lumen	
1.4	Variation in lumen output after 1000 ON/ OFF cycles (2 min. ON & 4 min. OFF)	VI(iii)	2	0	Maximum 10% & no blackening of the lamp should be observed.	8.0% & 7.6% No blackening	
<b>2.0</b>	<b>BATTERY</b>						
2.1	Visual observation	V(i)	1	0	Should be flooded electrolyte type low maintenance lead acid battery.	Complied	The system was supplied with 'Sunshine' make battery.
2.2	Capacity at discharge rate C/10	V(ii)	1	0	Minimum 40 AH at 12 V	Complied	

S.Das

Tested by :  
( Test. Enggr. )

Checked by :  
K B Chowdhury  
Scientist 'D'  
( OIC Lab. )

