



Solar Thermal Gadget Testing &  
Technical Back-up Centre,  
Approved by Ministry of New &  
Renewable Energy & National  
Accreditation Board for Testing and  
Calibration Laboratories. (NABL)  
Email : hodenergy@unipune.ernet.in

School of Energy Studies  
Department of Physics  
Pune 411 007  
Tel. : 91 020 25695201, 25601415  
Fax : 91020-25695065

**SES/SVG/RTC/233**

**Date: 20.11.2014**

To,  
**The Manager,**  
GK Energy Marketers Pvt Ltd., 601/11B,  
Opp. Datta Mandir, Lokmanya Nagar,  
LBS Road, Pune-411 030

**Subject: Testing of FENCE ENERGIZER Submitted by you.**

Dear Sir,

I am enclosing herewith testing report of Fence Energizer submitted by you,  
bearing Report No.: **PU/SES/RTC/OS/26/2014.**

Thanking You.

Yours Sincerely,

(S. V. Ghaisas)

Authorized Signatory  
**Director**

**School of Energy Studies**  
**Savitribai Phule Pune University**  
Pune - 411 007





Test Report No. : PU/SES/RTC/OS/26/2014

**REGIONAL TEST CENTER CUM TECHNOLOGY BACK-UP UNIT  
FOR SOLAR THERMAL DEVICES  
SCHOOL OF ENERGY STUDIES, SAVITRIBAI PHULE PUNE UNIVERSITY  
PUNE – 411 007  
EMAIL: [hodenergy@unipune.ac.in](mailto:hodenergy@unipune.ac.in), Phone No.: (020)25695201**

**TEST REPORT**

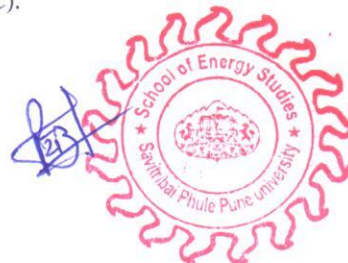
**PRODUCT NAME: FENCE ENERGIZER**

**Sample Submitted organization** : G K Energy Marketers Pvt Ltd. Pune  
**Date of Receipt** : 10/11/2014  
**Model No. /Type No.** : 12V DC  
**Date of Testing** : 18/11/2014  
**Condition of it on receipt** : Good  
**Applicable Test Specification** : IS 302-2-76: 1999\*  
**Test carried out** : Performance test  
**Condition during measurement:** Temperature: 26 °C  
Humidity 61%

**TEST RESULTS**

Test No.	Test Parameter / Condition	Specification Requirements	Test Results / Observations / Remarks
1.	Peak Output Voltage Input Voltage :- 12V DC	Shall be $\leq$ 10 KV	8.2 KV. Complies.
2.	RMS Current : Input Voltage: 12 V DC Load : 500 Ohms non inductive load	Shall be $\leq$ 10 Amps	9.5 Amps. Complies.
3.	Pulse Interval Input Voltage: 12 V DC Load : 500 Ohms non inductive load	Shall be between 1 to 1.5 sec	1.2 Sec. Complies
4.	Duration of Pulse Input Voltage: 12 V DC Load : 500 Ohms non inductive load	Shall not exceed 0.1 Sec	4.2 mile Sec. Complies

\* IS 302-2-76 : 1999 has been derived from IEC 335-2-76 (1997) 'Safety of household and similar electrical equipment : Part 2 Particular requirements, Section 76 Electric fence energizers' issued by the International Electrotechnical Commission (IEC).







Test Report No. : PU/SES/RTC/OS/26/2014

5.	Impulse repetition rate as per Cl.5.102 of IS 302-2-76 (1999)	Should not exceed 1 Hz	0.98 HZ, complies
----	---	------------------------	-------------------

**Remarks:** The working of the FENCE ENERGIZER was found satisfactory.

  
**Mr. Rahul R. Udawant**  
(Senior Testing Engineer)



  
**Prof. S.V. Ghaisas**  
(Authorized Signatory)

**Director**  
**School of Energy Studies**  
**Savitribai Phule Pune University**  
**Pune - 411 007**