CENTRE OF ENERGY STUDIES AND RESEARCH

ऊर्जा अध्ययन एवं शोध केन्द्र

(An Autonomous Body of Devi Ahilya Vishwavidyalaya & M.P. Urja Vikas Nigam)

(देवी अहिल्या विश्वविद्यालय एवं मध्यप्रदेश ऊर्जा विकास निगम का स्वशासनीय उपक्रम)

Devi Ahilya Vishwavidyalaya, Khandwa Road, Indore-452 017 M.P. (INDIA)

देवी अहिल्या विश्वविद्यालय, तकनीकी परिसर, खण्डवा रोड, इन्दौर- ४५२ ०१७ (म.प्र.) (भारत)

Tel.: (0731) 2462366, 2460309, TeleFax : (O) 2467378, (R) 2446803

Date :

TEST REPORT

Ref. : CESR/DAVV/

Test Report No. CESR/RTC/02/2006 Date: 25-02-2006

Service Request No. & Date	:	Nil & 17-02-2006
Test Report Finalized on	:	25-02-2006
Requested by (Name & address)	:	**Viking Engineers Pvt. Ltd.,** Plot No. 71, Sector-24, Faridabad-122005, Haryana (India). Tel.: -+91-129-5020736 Mob.: - +91-9810418656, 9310799720
Item	:	Insulation Panel
Item Received on	:	21-02-2006
Test Site	:	**Center of Energy Studies & Research,** School of Energy & Environmental Studies, Devi Ahiliya University, Indore –M.P.-452017 Tele-+91-731-2460309 Fax: -+91-731-2467378
Test Procedure	:	N. A.
Name of Client	:	**Viking Engineers Pvt. Ltd.,** Plot No. 71, Sector-24, Faridabad-122005, Haryana (India). Tel.: -+91-129-5020736 Mob.: - +91-9810418656, 9310799720
Condition of the test Item Received	:	Good
Deviations from Standard Test Procedure, If any	:	None

Note: - 1. This report relates to the sample submitted to laboratory for testing.
2. This report contains two (02) pages.

Test Report for Various Material Sheets

1) Name & Address of Client : **Viking Engineers Pvt. Ltd.,**
Plot No. 71, Sector-24,
Faridabad-122005, Haryana (India).
Tel.: -+91-129-5020736
Mob.: - +91-9810418656, 9310799720

3) Environmental Conditions : Ambient Temperature, 28°C

3) Testing Results :

S. No.	Sample Name	Thermal Conductivity (W/mK)
01	Insulation Panel	0.009 ± 0.001

Date: 25-02-2006

Authorized Signatory

(Dr. R. L. Sawhney)

Director

SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH

(A unit of Shriram Scientific and Industrial Research Foundation)

An ISO - 9001:2000 Certified Institute

TEST CERTIFICATE

00000691

Issued to :
VIKING ENGINEERS PVT LTD
PLOT NO.71
SECTOR 24
FARIDABAD - 121005,HARYANA

Kind Attn: MR G S ADHIKARI , MATERIAL MANAGER

Sample Particulars :
One sample of insulation PUF panel was received.

J.O.No.	602-141-0868
Reg.No.	1147768
Date	21-02-2006
	GC-01 (REV-04)
Your Ref.No.	VEPL/SRINR/05-06
Date	15.02.2006

TEST RESULTS

S.No.	Tests	Results Obtained	Protocol adopted
1.	**Density, kg/m^3** (At 23±2^{0}C)	42	As per guidelines of IS: 7888 -1976

****

DOR: 15.02.2006
DOC: 21.02.2006

AUTHORISED SIGNATORY
(EMPLOYEE CODE: 3394)

19, University Road, Delhi - 110007.
E-Mail: qad@shriraminstitute.org Website: http://www.shriraminstitute.org
Ph: 91-11-27667267, 27667983, 27667860
Fax: 91-11-27667676, 27667207

Hutch

Date: July 6, 2006

To: Whom it may concern

This is to inform you that the shelters supplied to our organization by M/s Viking Engineers Pvt. Ltd. Faridabad, during 2001-2002 are working satisfactorily till date.

Thanking you,

Yours truly,

Amit Bhattacharya
Sr. Manager - Commercial

Hutchison Essar Mobile Services Limited, C-48, Okhla Industrial Area, Phase - II, New Delhi - 110 020
Hutch Care: +91 111/98110 98110 Fax: +91 98110 00009/+91 98110 98114 E-mail: care@hutch.in, www.hutch.in

70-04-20(4)

ISPAT INDUSTRIES LIMITED

A-10/1, MIDC AREA, KALMESHWAR - 441 501, DIST NAGPUR (M.S.) INDIA
PHONE : (07118) 271401 - 406, 271477 - 478, FAX : (07118) 271400/66/79

ISO 9001 : 2000
ISO 14000 : 1996

MILL TEST CERTIFICATE

Product Description : Colour Coated Coils / Plain sheets / Profile sheets / Accessories
Mill Certificate No : 1203011696/15005237
Customer : IIL-Faridabad Depot
Specification : Ispat Standard

Invoice No : 1203011696
Invoice Date : 10.02.2006

Sr. No	Packet /Coil No	Color		Thk	Wid	Lnth	Net Wt	Chemical Composition			Mechanical Results				Paint Properties						Paint Coat Thk		Zinc Coating Grade
		Top	Bot	(mm)	(mm)	(mm)	(MT)	%C	%Mn	%Si	UTS	YS	%El		Hardness		Gloss	ImpRes	Ch.H	Bend	Top	Back	
								%S	%P	%Al	(Kg/mm^2)		50GL	80GL	Pencil	Scrat.	60^0	(In-Lb)	Adh	Test	(Microns)		(G/m^2)
001	2137803	AWT	LGR	0.600	1220.0		3.960	0.040 0.007	0.116 0.011	0.011 0.039					2 H	Ok	85	80	Ok	2t	25	7	120
002	2137802	AWT	LGR	0.600	1220.0		3.760	0.040 0.007	0.116 0.011	0.011 0.039					2 H	Ok	85	80	Ok	2t	25	7	120
003	2137805	AWT	LGR	0.600	1220.0		3.090	0.040 0.007	0.116 0.011	0.011 0.039					2 H	Ok	85	80	Ok	2t	25	7	120
	2137804	AWT	LGR	0.600	1220.0		2.660	0.040 0.007	0.116 0.011	0.011 0.039					2 H	Ok	85	80	Ok	2t	25	7	120
TOTAL :							13.470																

We hereby certify that the materials described herein has been inspected in accordance with above specification.

NC Jain
Vice President
Operations , Q. A. and R&D