



# BANGALORE UNIVERSITY

## DEPARTMENT OF CIVIL ENGINEERING

Phone Off: 22961935 / 1946  
E-mail: centrans@vsnl.net

JNANA BHARATHI  
BANGALORE - 560 056

BUB/CTE/2009-10

Date: 24-06-2009

### TEST REPORT

Sub: Testing of Polymer Modified Bitumen-PMB-40(E)

(Project\*: Four laning of Rajahmundry (Km.200+000) to T (K 1/7 ) Project on

NH-5 Fifth Year Periodic Maintenance Works)

Ref: Letter No. AP:ZL/Proj-Rajah/Site/O & M/2969, dated 13-06-2009

Samples supplied to Lab by : Acting Team Leader

M/s. ARTEFACT PROJECTS-ZAIDUN EENG.SDN.BHD (JV)

86-4-12, V.L.Puram, Tilak Road, Rajaha dry-533 103

Andhra Pradesh

Technical Reference : IRC: SP:53-2002 Table:2

Source of sample\*: Jainidhi Bitumen Specialties Pvt L

Source collected\* : Km.242+400 )R/s) at Hot Mix Plant

ated (Site Blending)

TABLE 1.1:

SL. No.	Particulars of the Test	Test Results	Requirements as per IRC: SP: 53-2002
1	Penetration at 25°C, 0.1 mm, 100g, 5 Sec.	42	30 to 60
2	Softening Point, (R&B), °C	64	60 (Min)
3	Ductility at 27°C, cm	62	+5
4	Flash point, °C	264	220 (Min)
5	Elastic Recovery of Half Threaded in Ductilometer at 15°C, %	82	75 (Min)
6	Separation, Difference in Softening Point, R&B, °C	2	3 (Max)
7	Viscosity at 150°C, Poise	5.0	3.0
<b>Thin Film Oven Test (TFOT) on Residue (IS: 82-1992)</b>			
8	Loss in Weight, %	0.45	1.0 (Max)
9	Increase in Softening Point, °C	3	5 (Max)
10	Reduction in Penetration of Residue at 25°C, %	14	35 (Max)
11	Elastic Recovery of Half Threaded in Ductilometer at 15°C, %	60	50 (Min)

Note: \* As furnished by Client.

The Results relate only to the items tested.

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TESTED BY  
24/6/2009  
Dr. J. MA  
ME (C)  
Asst. Prof  
JNANA  
BANGA  
BANG  
Ph.D.  
Engineering  
AMPUS  
UNIVERSITY  
BANGALORE - 560 056