



BANGALORE UNIVERSITY

DEPARTMENT OF CIVIL ENGINEERING

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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 ENGINEERING.SDN.BHD (JV)

86-4-12, V.L.Puram, Tilak Road, Rajahmundry-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
Thin Film Oven Test (TFOT) on Residue (IS: 82-1992)			
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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