



KDM ENGINEERS (INDIA) PRIVATE LIMITED

Complete Civil Engg. Solutions

REF: KDMEI/NDT/02-74/2018,

Dated: 24th March 2018

To,

M/s Vishwa Samudra Engineering pvt Ltd-JV-
M/S The Avani Eco Projects Pvt Limited,
Plot No .46, Amar co-operative Society,
Jubilee Hills ,Hyderabad-500033
Telangana, India

RESULTS OF COMPRESSIVE STRENGTH TEST ON CORES

Source of the sample : Sample Extracted from Site.
Core barrel (mm) : 152
Name of the Work* : Full Depth Recycling On N.T.R Marg to Telugu Thali Flyover
Cores extracted on : 19.03.2018
Cores tested on : 24.03.2018
Layer : Stabilization of Recycled Bituminous Pavement

Sl. No.	Core ID	Core Locations*	Core length (l) (mm)	Core Dia (d) (mm)	Core Wt.** (Kg.)	Load (kN)	Core comp. Strength # (N/sq.mm)	l/d Ratio	Correction factor for (l/d) ratio+	Corrected Cyl. comp. Strength (N/sq.mm)	Avg .Water Absorbtion in (%) after 72 hrs
Location : N.T.R Gardens											
1	C-2	@ CH 120m and 1.35m from road median RHS	154	144	5.289	122.3	7.51	1.07	0.898	6.7	0.96
2	C-6	@ CH 360m and 4.2m from centre of the road	176	144	6.174	149.5	9.18	1.22	0.914	8.4	
3	C-9	@ CH 520m and 2.0m from centre of the road	177	144	6.194	105.2	6.46	1.23	0.915	5.9	

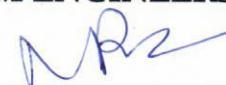
** Core length / weight after trimmings and capping: Core length may increase or decrease when compared to extracted core length after capping.

+ For l/d ratio, correction factors are as per Figure – 1 of IS: 516 – 1959 (Reaffirmed 2008).

Note

- 1) Compressive strength should be 4.5 Mpa to 7.0Mpa as per cl.7.3.2.1 of IRC -37-2012 .
- 2) The swelling and shrinkage was not observed as the water absorption is low.
- 3) No disintegration of specimens even after immersion for 3 days.
- 4) Report shall not be reproduced, except in full, without the written approval of the laboratory.

for **KDM ENGINEERS (INDIA) PVT. LTD.**


M. RAMA MOHANA RAO
TECHNICAL DIRECTOR