KDM ENGINEERS (INDIA) PRIVATE LIMITED

Complete Civil Engg. Solutions

REF: KDMEI/NDT/04-77/2018,

Dated: 17th April 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* : The road work from Andhra bank to ECIL/Moulali in AS Rao Nagar for Total length of 1.5 km using the full depth recycling technology
Cores extracted on : 10.04.2018
Cores tested on : 16.04.2018
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
FDR Road											
1	C-1	At Ch: 80M from starting road and 1.5m from L/S road edge	189	144	6..943	171.5	10.53	1.31	0.924	9.7	0.89
2	C-3	At Ch: 90M from starting road and 1.3m from L/S road edge	182	144	5.274	144.3	8.86	1.26	0.919	8.1	
3	C-10	At Ch: 700M from starting road and 1.5m from R/S road edge	155	144	6.627	150.2	9.22	1.08	0.898	8.3	

** Core length / weight after trimminsg 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

KDM ENGINEERS (INDIA) PRIVATE LIMITED Hyderabad