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To

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Sub: Durability and water absorption test results of stabilized cores collected from Krishnapatnam port (AP), Poranki (AP) & Hyderabad (TS).

M/s Vishwa Samudra Engineering Private Limited (VSEPL), Hyderabad has sponsored a project titled "Evaluation of three roads (Krishnapatnam port (AP), Poranki (AP) & Hyderabad (TS)) stabilized with cement and stabilizer". The team visited the sites (Krishnapatnam port (AP), Poranki (AP) & Hyderabad (TS)) from 05/10/2018 to 08/10/2018 and collected the field stabilized cores and soil samples. Durability and water absorption test results for three roads are given in Table 1, 2, 3 and 4.

Table 1 Durability of stabilized cores collected from roads in Krishnapatnam port (AP)

Sample designation	Bulk Density (kN/m ³) (Field samples)	Weight loss of stabilised samples (%) (After 12 cycles)	Maximum Permissible weight loss (%) (IRC : SP: 89 (Part II) - 2018)
C - 7	22.4	0.60	14
C - 9	21.8	0.47	14
C - 13	21.0	1.11	14

Table 2 Durability of stabilized cores collected from Salipeta - Poranki road(AP)

Sample designation	Bulk Density (kN/m ³) (Field samples)	Weight loss of stabilised samples (%) (After 12 cycles)	Maximum Permissible weight loss (%) (IRC : SP: 89 (Part II) - 2018)
C - 21	22.0	1.16	14
C - 27	24.7	1.03	14

Table 3 Durability of stabilized cores collected from road (NTR Marg to Telugu Thali Flyover), Hyderabad

Sample designation	Bulk Density (kN/m ³) (Field samples)	Weight loss of stabilised samples (%) (After 12 cycles)	Maximum Permissible weight loss (%) (IRC : SP: 89 (Part II) - 2018)
C - 41	22.6	0.74	14
C - 42	22.5	0.91	14

Table 4 Water absorption of stabilized cores collected from roads in Krishnapatnam port (AP) and Salipeta - Poranki

Sample designation	Water absorption (%) (After 7 days Soaking)	Road
C-6	4.7	Krishnapatnam port (AP)
C-29	3.0	Salipeta - Poranki, Vijayawada
C-38	2.5	NTR Marg to Telugu Thali Flyover, Hyderabad

पि. एस. प्रसाद 2/1/19

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