5. UCC Test Results:

Soil Sample		Bulk Density (gm/cc)	Water Content (%)	Dry Density (gm/cc)	Unconfined Compressive Strength (kg/cm^2)
Soil	1	2.20	10.32	1.94	1.70
	2	2.20	10.44	1.93	1.69
	3	2.20	10.55	1.93	1.75
Average of Three Sample		**2.20**	**10.44**	**1.93**	**1.71**
Soil + Natural Crete (Zero Days Curing)	1	2.21	11.01	1.99	1.54
	2	2.20	10.79	1.98	1.61
	3	2.21	10.94	1.99	1.48
Average of Three Sample		**2.21**	**10.91**	**1.99**	**1.54**
Soil + Natural Crete (Seven Days Curing)	1	2.01	1.38	1.98	20.69
	2	2.00	1.25	1.98	19.45
	3	2.01	1.11	1.99	20.98
Average of Three Sample		**2.01**	**1.25**	**1.98**	**20.37**
Soil + Natural Crete (28 Days Curing)	1	2.20	1.49	2.03	26.91
	2	2.19	1.41	2.02	26.69
	3	2.18	1.51	2.01	27.34
Average of Three Sample		**2.19**	**1.47**	**2.02**	**26.98**

Note: As mentioned in the catalog of Natural Crete, the product efficiency depends on air drying. The samples of UCC test specimen tested after 7 days of air drying has shown substantial improvement in UCC strength of soil mixed with Natural Crete. However, the CBR value does not show proportional increase in the value. This may be due to the fact that the test specimen is retained the CBR mould only till the testing is done, thus the air drying is not effective on the specimen with mould. Nevertheless, in the field it is expected that the air drying may be effective, and the in-situ CBR value is likely to increase in the similar order of UCC value.

5.12.12

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