



Nepal Electricity Authority

(An Undertaking of Nepal Government)

Engineering Service Directorate

Soil, Rock and Concrete Laboratory

Ref. No. : 2074/75-D.No.: 252

Client : Super Eco Brick Innovations, Jhamsikhel, Lalitpur.

Date : 2074.10.02

Compressive Strength Test Results (Brick)

Sample No.		A +			NC		
		1	2	3	1	2	3
Date of Testing		2074.10.02					
Original Dimension cm	Length	23.16	23.17	23.16	23.12	23.13	23.15
	Breadth	11.11	11.12	11.07	11.03	11.09	11.07
	Height	5.33	5.33	5.44	5.30	5.37	5.36
Weight of Sample, gm		2570	2580	2515	2510	2585	2515
Testing Dimension cm	Length	18.23	18.12	18.01	18.27	18.55	18.07
	Breadth	11.11	11.12	11.07	11.03	11.09	11.07
	Height	5.33	5.33	5.44	5.30	5.37	5.36
Surface Area, cm ²		202.53	201.43	199.35	201.47	205.80	200.07
Volume, cm ³		1079.68	1073.80	1084.87	1068.58	1105.34	1071.76
Density, gm/cm ³		1.88	1.89	1.81	1.84	1.88	1.85
Weight of Sample, gm		2035	2025	1960	1965	2080	1980
Failure Load, Psi		2850	3200	2600	2450	2500	2550
Compressive Strength, N/mm ²		12.30	13.88	11.40	10.63	10.61	11.14
Mean Compressive Strength, N/mm ²		12.52			10.79		



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