

IMARAT ENGINEERING LAB

BOREHOLE CHART & DATA SHEET

NAME OF THE PROJECT: CONSTRUCTION OF RICH VILL RESIDENCY AT BAREWAL, LUDHIANA				BORING DATES: Starting: 25/04/2015 Finishing: 25/04/2015		Termination Depth: 10.0m		Table No. 3														
						Water Table Depth: NE		BoreHole : 1														
Sample No.	Depth of Sample	SPT 'N' Values	STANDARD PENETRATION RESISTANCE CURVE	Visual Description of Soil as per BIS classification	Symbolic Representation	Grain Size Analysis			Consistency Limit			Density		Shear Test			Consolidation Test					
1	1.0	6		SILTY CLAY (CL-ML)		Gravel/ Kankar(%)	Sand (%)	Silt (%)	Silt & Clay (%)	Clay (%)	Liquid Limit	Plastic Limit	P. Index	Bulk Density (gm/cc)	Dry Density (gm/cc)	Water Content (%)	Specific Gravity	Type of Test	Cu (kg/sq.cm)	Angle of internal friction	Void Ratio	Comp. Index
2	2.0	9		SILTY SAND (SM)				12.80	87.20			28.0	21.2	6.80	1.80	1.60	12.8		0.40	-	0.65	0.162
3	3.0	12						38.50	61.50			-	-	-	1.50	1.37	9.6		-	29.5	-	-
4	4.5	15						85.90	11.10			-	-	-	1.56	1.45	7.4		-	31.0	-	-
5	6.0	16			POORLY GRADED SAND (SP)																	
6	7.0	18																				
7	8.0	24			POORLY GRADED SAND (SP)										1.60	1.48	8.2			33.0	-	-
8	9.5	25																				