

# 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. 4																		
				Water Table Depth: NE		BoreHole : 2																				
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		Water Content (%)		Specific Gravity		Type of Test		Shear Test		Consolidation Test		
									Gravel/ Kankar(%)	Sand (%)	Silt (%)	Silt & Clay (%)	Clay (%)	Liquid Limit	Plastic Limit	P.Index	Bulk Density (gm/cc)	Dry Density (gm/cc)					Cu (kg/sq.cm)	Angle of internal friction	Void Ratio	Comp. Index
1	1.0	7		SILTY CLAY (CL-ML)		-	13.10	86.90	28.0	21.4	6.60	1.82	1.61	13.2		0.40	-	0.65	0.162							
2	2.0	9		SILTY SAND (SM)		-	41.60	58.40	-	-	-	1.52	1.38	9.8		-	29.5	-	-							
3	3.0	14				90.20	9.80	-	-	-	-	1.58	1.47	7.2		-	31.5	-	-							
4	4.5	16		POORLY GRADED SAND (SP)																						
5	6.0	19																								
6	7.0	21																								
7	8.5	25		POORLY GRADED SAND (SP)		92.40	7.60	-	-	-	-	1.60	1.48	8.0		-	33.0	-	-							
8	10.0	26																								