

GEOTECHNICAL LABORATORY: CIVIL ENGINEERING DEPARTMENT
V.R. SIDDHARTHA ENGINEERING COLLEGE :: VIJAYAWADA - 7

TABLE: 1 Idealised Design Soil Parameters

Location: R.S. No. 11, Mallavalli Village, Bapulapadu Mandal, Krishna District.

Bore Hole No. : 1, 2

Reduced level of the Bore Hole = 0.00

Depth of Water Level: - Nil -

Depth below the existing ground level (metres)	Visual Identification of soil	I.S. Soil Classification	Natural Moisture Content (%)	Dry Unit Weight [KN/m ³]	Recorded SPT value (N)	Un confined Compressive Strength [KN/m ²]	Shear Parameters		Safe bearing Capacity [KN/m ²]
							Cohesion, C [KN/m ²]	ϕ (deg)	
0.00 – 1.50	Reddish brown clayey sandy + pebbles	SC	9 – 5	18.5	37 – 40	-	20	34	250
Below 1.50	Reddish brown clayey sandy + pebbles/ Refusal	SC/ SDR	11 - 8	19.5	>50	-	20	36	300

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TABLE: 2 Idealised Design Soil Parameters

Location: R.S. No. 11, Mallavalli Village, Bapulapadu Mandal, Krishna District.

Bore Hole No. : 3, 6, 8

Reduced level of the Bore Hole = 0.00

Depth of Water Level: - Nil -

Depth below the existing ground level (metres)	Visual Identification of soil	I.S. Soil Classification	Natural Moisture Content (%)	Dry Unit Weight [KN/m ³]	Recorded SPT value (N)	Un confined Compressive Strength [KN/m ²]	Shear Parameters		Safe bearing Capacity [KN/m ²]
							Cohesion, C [KN/m ²]	φ (deg)	
0.00 – 1.00	Reddish clayey sandy + pebbles	SC	5 – 11	18.5	33 – 38	-	20	34	250
Below 1.00	Reddish clayey sandy + pebbles/ Refusal	SC/ SDR	7 - 11	19.5	48 - >50	-	20	36	300