

Borehole drill Requirements

underwrite of design institute :

date: 07/12/09

Hole No.	416		Type	Control	
coordinate	East	15797.50m	Remark		
	North	20901.30m			
altitude	62.439m		Remark		
Design Depth (m)	18m		Depth of groundwater	beginning	—
Finished Depth(m)	18.00m			stable	3.01m below E.G.L.
Requirements	Undisturbed sample	Be collected in clay soil and sand Collected at the depth of 1.00 m below the earth surface at regular interval of 1.50 m one by one			
	disturbed sample	Be collected in sand and sandy soil Collected from SPT,			
	SPT	Be performed in all soil and cw rock Performed at the depth of 1.50 m below the earth surface at regular interval of 1.50 m one by one			
	DPT	Be performed in cw rock or hw rock at regular interval of 2.00 m one by one			
	Term of Finished	Be drilled to 3 meters deep into medium weathered bedrock			
Result	samples		UDS ⇒ Nil		
	SPT & DPT		SPT ⇒ 02		
	finitude of stratum		0.00 m to 1.00 m ⇒ Sand. 1.00 m to 4.50 m ⇒ M. W to S. W. Rock. 4.50 m to 13.50 m ⇒ Fresh Rock. 13.50 m to 18.00 m ⇒ Fresh Rock.		
Deputy of investigator (signature)				EPC contractor&design (signature)	王树 -

S. Karmakar

Record of Boring

Project No.: _____

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Pit or Borehole No.: 416

Elevation of Pit or borehole: 62.439 m

Length and Width of Pit: _____ m

Diameter of Borehole: 150 / 178 mm

Depth of Pit : _____ m

Depth of Borehole: 18.00 m

The buried depth of groundwater:

the beginning: _____

the stable: 3.01 m below F.G.L.

Duration: From 05 / 12 / 09 (day/month/year) Start
To 07 / 12 / 09 (day/month/year) End

Record of Sampling												
No.	Depth (m)		lithology	Un-disturbed	Disturbed		No.	Depth(m)		lithology	Un-disturbed	Disturbed
	from	to						from	to			
01	0.80	0.84			(R)							
02	1.00	1.03			(R)							
Date: / (day/month)				Weather				The accumulative depth drilled				
05 / 12				Sunny				0.00 m to 3.00 m				
06 / 12				Sunny				3.00 m to 12.00 m				
07 / 12				Sunny				12.00 m to 18.00 m				
/												

Recorded: S. Karmakar

Checked: _____

Record of SPT

borehole No.: 416

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[illegible]

Recorded:

Checked:

S. Karmakar

Depth		Describing for subsoils			Borelog	Remarks
From (m)	To (m)	The lithology, color, state, objects contained, and the other properties of the subsoils	Density	Humidity		
0.00	1.00	Sand $\Rightarrow$ very dense, brownish yellow, silty sand, obs. Mosses.	V.D	Saturated		0.00m
1.00	4.50	M.W to S.W. Rock $\Rightarrow$ Moderately to slightly weathered, yellowish grey to light blackish grey, medium to fine grained, sand stone with alternation of laminated shale, obs. Fractured rock & Water strain.				1.00m
4.50	13.50	Fresh Rock $\Rightarrow$ Fresh, light blackish grey, medium to fine grained, moderately strong sand stone with alternation of laminated shale.				4.50m
13.50	18.00	Fresh Rock $\Rightarrow$ Fresh, light blackish grey, medium to fine grained moderately strong sand stone with alternation of laminated shale.				13.50m
						18.00m

Drilling	
QR	RRD
1.00	1.00
53%	16%
R1	2.00
74%	40%
R2	3.00
88%	41%
R3	4.50
92%	45%
R4	6.00
96%	70%
R5	7.50
97%	71%
R6	9.00
98%	63%
R7	10.50
97%	70%
R8	12.00
99%	61%
R9	13.50
97%	90%
R10	15.00
96%	92%
R11	16.50
98%	96%
R12	18.00

S. Kannakar