

Borehole drill Requirements

underwrite of design institute :

date: 09/12/09

Hole No.	415		Type	Control	
coordinate	East	15825.50m	Remark		
	North	20942.60m			
altitude	63.400m		Remark		
Design Depth (m)	18m		Depth of groundwater	beginning	—
Finished Depth(m)	18.20m			stable	2.95m below F.O.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 , DPT ⇒ Nil		
	finitude of stratum		0.00m to 0.80m ⇒ Silt 0.80m to 3.50m ⇒ M.W. Rock. 3.50m to 8.00m ⇒ S.W. Rock. 8.00m to 18.20m ⇒ Fresh Rock.		
Deputy of investigator (signature)				EPC contractor&design (signature)	王林 -

Sumit Karmakar

Record of Boring

Project No.: _____

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Pit or Borehole No.: 415

Elevation of Pit or borehole: 63.400 m

Length and Width of Pit: _____ m

Diameter of Borehole: 150/NA mm

Depth of Pit : _____ m

Depth of Borehole: 18.20 m

The buried depth of groundwater:

the beginning: _____

the stable: 2.95 m below ⁿ E.G.L.

Duration: From 07 / 12 / 09 (day/month/year) Start
To 09 / 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	0.50	0.52			(R)							
02	0.80	0.82			(R)							
Date: / (day/month)				Weather				The accumulative depth drilled				
07 / 12				Sunny				0.00 m to 0.80 m				
08 / 12				Sunny				0.80 m to 3.50 m				
09 / 12				Sunny				3.50 m to 8.00 m				
/												

Recorded: Sumit Karmakar

Checked: _____

Record of SPT

borehole No.: 415

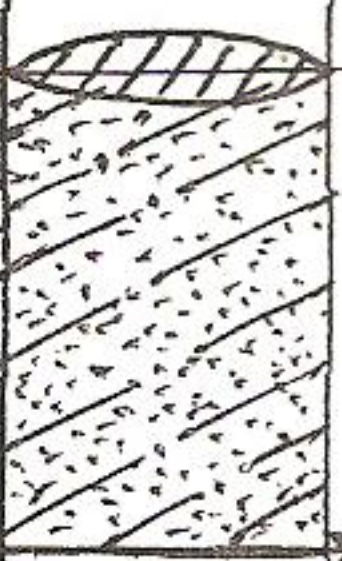
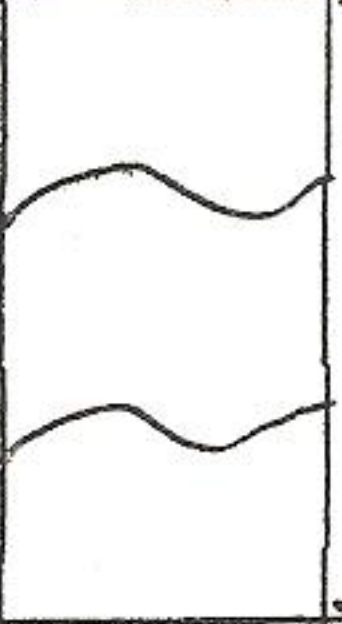
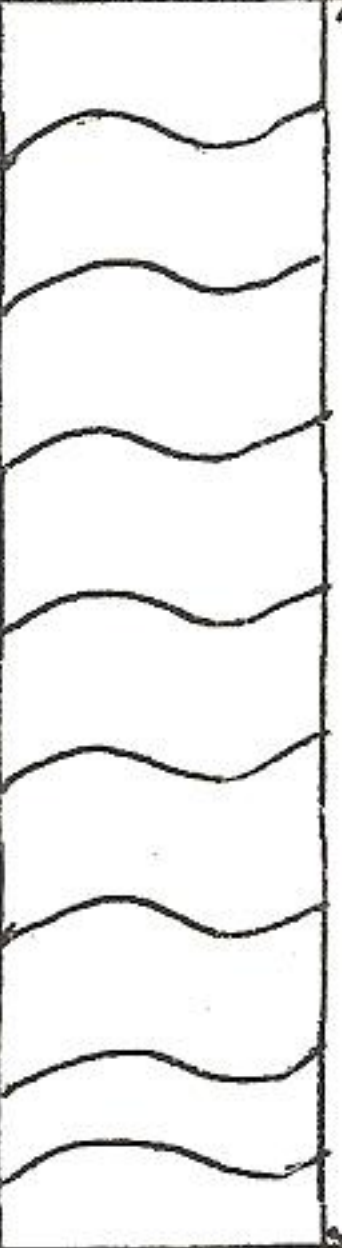
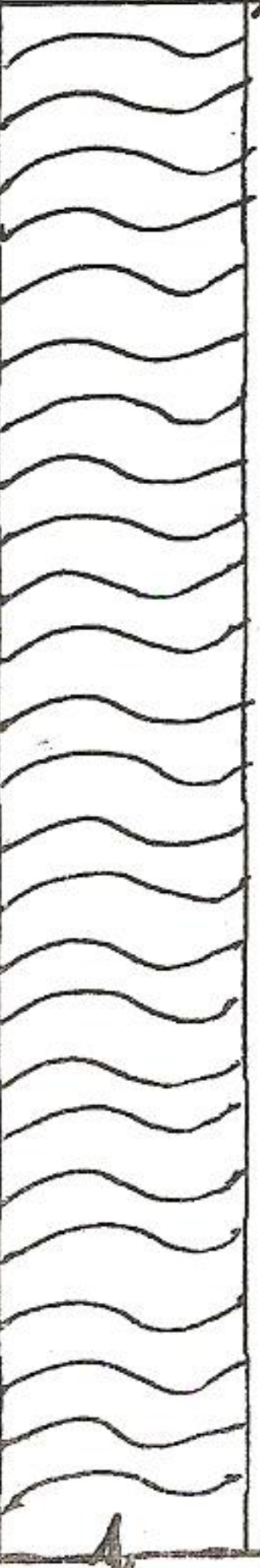
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[illegible]

Recorded:

Sumit Kumar

Checked:

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	0.80	Silt $\Rightarrow$ very dense, yellowish grey clayey sandy silt. obs. Rank 0.80.	V.D.	Saturated		0.00m Silt
0.80	3.50	M.W. Rock $\Rightarrow$ Moderately weathered, yellowish grey, medium to fine grained, sand stone. obs. shale.				0.80m M.W. Rock.
3.50	8.00	S.W. Rock $\Rightarrow$ Slightly weathered light blackish grey, fine grained sand stone with alternation of laminated shale through the hole depth.				3.50m S.W. Rock
8.00	18.20	Fresh Rock $\Rightarrow$ Fresh, light blackish grey, fine grained sand stone. obs. Alternation of ~~shale~~ laminated shale through the hole depth.				8.00m Fresh Rock

Grilling

CR RQD

0.80

60% 27%

R1

2.00

74% 54%

R2

3.50

81% 78%

R3

5.00

82% 61%

R4

6.50

85% 63%

R5

8.00

92% 58%

R6

9.50

95% 65%

R7

11.00

98% 70%

R8

12.50

94% 68%

R9

14.00

99% 74%

R10

15.50

98% 76%

R11

17.00

97% 81%

R12

18.20

Sumit Karmakar