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GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Exploration and Instrumentation)

Sales & Service Dealer : Upron Borehole logging system, UPRON INDIA LTD., LUCKNOW

Ref.GIT/UP/PJM/22-23/LB/IK-593
 Dated: 22-02-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Amamafi
 Block: Bansal
 District: Siddarth Nagar
 State: Uttar Pradesh
 Drilling Depth: 200.0 m bgl
 Logging Depth: 187.0 m bgl
 Date of logging: 21-02-2023
 Rm - 21.0 Qm Rw - 24.0 Qm

Borehole Drilled by: M/s SCL Infratech Ltd (VSA-SCL) Siddarth Nagar, U.P.

Based on the interpretation of Self Potential (SP), Short Normal (N-16"), Long Normal (N-04") and Lateral 5' geophysical logs following informations/granular zones have been deciphered with respect to Salinity only:

Sl. No.	Depth Range (m bgl)	Thickness (meter)	Remark (Quality of Aquifer Water)
1	20 - 33	13	Good
2	45 - 55	10	Good
3	58 - 61	03	Good
4	75 - 85	10	Good
5	90 - 93	03	Good
6	100 - 104	04	Good
7	110 - 120	10	Good
8	123 - 126	03	Good
9	134 - 144	10	Good
10	152 - 159	07	Good
11	170 - 180	10	Good

- Note: 1. Fine bands of Kankar are intermixed with almost all the Zones.
 2. Zone Sl. No. 4 & 7 are highly intermixed with fine bands of kankar.
 3. Zone Sl. No. 8 is highly kankar intermixed.

Verified as per logs provided.
 Note: Sr No 2-46-55 (9m)
 Sr No 6-101-104 (3m)

For Geo Instruments & Technic's

S. Shukla
 (S. Shukla)

GSh
 23/02/23

Amaraaji was son of Sri. Sridharan Naidu, Junior Clerk

T.W Size = 300 x 150 mm

R.R = 1000 lpm

Date: 24-2-23

Logging Pipe - 21-2-23

Sl. No.	Depth (m)	Time (min)	Flow Rate (lpm)	Remarks	Volume (liters)
			0.50		
	20		5.99		
	29		6.06		
	28		6.02		
	27		6.02	= 47.16	
	26		6.05		
	25		6.02		
	24		6.00		31.66
			0.20		41.84
1-	20 - 33 - 13	23	6.02		
2-	45 - 55 - 10	22	6.02	= 21.09	
3-	58 - 65 - 3	21	6.02	= 21.09	
		20	6.02	= 33.66	
4-	75 - 85 - 10.0 - 9	19	6.00		
		18	3.50		75.50
5-	90 - 93 - 3.0	17	6.00		
6-	100 - 109 - 4.0	16	3.00		84.50
7-	110 - 120 - 10 - 9	15	6.02		
8-	123 - 126 - 3	14	6.02		
9-	134 - 144 - 10.0 - 6	13	6.03	= 26.07	
10-	152 - 159 - 7 - 6	12	2.00		
11-	170 - 180 - 10.	11	6.00		110.57
		10	6.02		
		9	3.02		119.61
		8	6.01		
		7	6.03	= 15.39	
		6	3.35		135.00
		5	6.15		141.15
		4	6.02		
		3	5.33		152.50
		2	6.04		158.54
		1	6.01		164.55
				AVG	0.50
					165.05 m ³

Cutting =

150mm Slotted Pipe

① $6.02 = 3.00 + 3.02$

150mm Plain Pipe

② $6.02 = 3.58 + 2.44$ (0.44)

③ $6.01 = 3.35 + 2.66$

④ $6.00 = 5.33 + 0.67$