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GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Instrumentation and Exploration)

Authorised Sales & Service Dealer : Upton Borehole logging system, UPTON INDIA LTD., LUCKNOW

Ref.GIT:UP: PJM:22-23:LS: 218

Dated: 26-05-2022

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Sohapar LA-26.27052
Block: Bhatni LG-84.134002
District: Deoria
State: Uttar Pradesh
Date of logging: 24-05-2022
Drilling depth: 155.0 m bgl
Logging Depth: 155.0 m bgl
Rm - 25.0 Ω m Rw - 22.0 Ω m

Borehole Drilled by: M/s L C Infra TCEL Joint Venture Deoria, U. P.

Based on the interpretation of Self Potential (SP), Short Normal (N-16"), Long Normal (N-64") and Lateral (6") geophysical logs following informations/granular zones have been deciphered with respect to Salinity only:

Sl. No.	Depth Range (m bgl)	Thickness (meters)	Remarks (Quality of aquifer water)
1.	30 - 38	08	Good
2.	42 - 54	12	Good
3.	60 - 78	18	Good
4.	107 - 114	07	Good
5.	118 - 132	14	Good
6.	145 - 148	03	Good
7.	152 - 155	03	Good

Note: 1. Zone 5 is highly intermixed with Kankar.

2. Fine Bands of Kankar are intermixed almost all the Zones.

Verified as per logs provided.

For Geo Instruments & Technic's

(S. Shukla)

G. S.
ASSISTANT HYDROGEOLOGIST
ZYANTRIK MANDAL
U.P. JALNIGAM (RURAL)
PRAYAG

29

JANUARY

Saturday

2022 Week 05 • (029-336)

2021							2022						
Week	M	T	W	T	F	S	Week	M	T	W	T	F	S
12							01						
49			1	2	3	4	01	3	4	5	6	7	8
50	6	7	8	9	10	11	02	10	11	12	13	14	15
51	13	14	15	16	17	18	03	17	18	19	20	21	22
52	20	21	22	23	24	25	04	24	25	26	27	28	29
01	27	28	29	30	31		05	31					30
							06						

Lowering of T.W. Assembly at Sahay T.W. Droria
 Drilling / Lowering - 154/1100 T.W. Assembly size - 200x150mm
 Bore size - 550x500mm Recommended Discharge - 450 L.P.M
 Logging Date - D.O.L - 22-06-22

Logging Report

1. 15 — 22 — 07m	TTTT	6.01	0.50m
2. 25 — 30 — 05m		6.04	
3. 60 — 70 — 10m		6.00	36.20m
4. 75 — 82 — 07m		6.12	
5. 88 — 92 — 04m		6.03	
6. 110 — 115 — 15m		6.00	25.70m
			0.10m 35.90m

* Strata as per actual

0 — 04m clay		6.05	
04 — 09m F sand		6.04	24.10m
09 — 14m clay		6.00	
14 — 19m F sand	6.00m	6.01	60.00m
19 — 23m clay	6.00m		
23 — 30m F to M.S	6.00m		18.00m
30 — 36m clay		6.02	
36 — 45m Sandy clay		6.08	
45 — 54m F sand		6.09	29.50m
54 — 59m clay		6.10	
59 — 79m m sand		5.21	107.50m
79 — 84m clay			6.00m 113.50m
84 — 90m F sand		6.03	119.53m
90 — 100m clay + Kalkar	6.00m		11.00m
100 — 104m F sand	6.00m		131.53m
104 — 107m clay		6.14	6.44m 137.67m
107 — 114m m sand			0.50
114 — 118m clay			Total = 138.17m
118 — 132m m sand			
132 — 140m clay			
140 — 155m F to M sand			

Important

(Sampling demand)

D. O. L. Kumar

(L.C. In/In)