

GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Exploration and Instrumentation)

Sales & Service Dealer : Uptron Borehole logging system, UPTRON INDIA LTD., LUCKNOW

Ref:GIT:UP: PJM:23-24:LS: 347
Dated: 03-05-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Newada (Re-Logging)
Block: Shahganj
District: Jaunpur
State: Uttar Pradesh
Date of Logging: 29-04-2023
Logging Depth: 244.0 m bgl
Rm - 13.0 Ω m Rw - 12.0 Ω m

Borehole Drilled by: M/s Afcons Infrastructure Ltd. Jaunpur, 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 (meter)	Remark (Quality of Aquifer Water)
1.	28 - 35	07	Good
2.	42 - 49	07	Good
3.	52 - 59	07	Good
4.	61 - 65	04	Good
5.	87 - 94	07	Good
6.	220 - 223	03	Moderate
7.	231 - 238	07	Good

- Note: 1. Fine bands of kankar are intermixed with almost all the zones.
2. Zones Sl. No. 1 & 7 are highly intermixed with fine bands of kankar.
3. Quality of ground water is deteriorating marginal to saline in between 102.0 to 216.0 m bgl.
4. Predominated clay is present in depth range 216.0 to 220.0 m bgl.
5. Clay and Kankar intercalation is present in depth range 224.0 to 230.0 m bgl.

Verified as per
logs provided.

For Geo Instruments & Technic's

(Signature)
(S. Shukla)

G.Sh
03/05/23

Actual TW Assembly of Newada & Miyanpur PP TW, Block- Shahganj, Dist. Jaunpur

PHYSICAL STRATA			
S.No.	BGL in meter		Formation
	From	to	
1	0	12	Soil
2	12	24	Clay + F. Sand
3	24	38	F. Sand + F. Kankar
4	38	50	Sand + M. Kankar
5	50	68	Sand + Kankar
6	68	83	M. Kankar
7	83	102	Sand + M. Kankar
8	102	138	Sand
9	138	174	M. Kankar
10	174	214	Sand + Kankar
11	214	222	Clay + Sand
12	222	244	Course Sand

500 mm		BGL in meter	
200 mm			
150 mm			
Drilling and assembly			
0.86	PP	0.36	
6.02	PP	6.38	
6.02	PP	12.40	
6.02	PP	18.42	
6.02	PP	24.44	
6.02	PP	30.46	
6.02	PP	36.48	
6.02	PP	42.50	
6.00	SP	48.50	
1.50	PP	50.00	
0.20		50.20	
2.30	PP	52.50	
6.00	SP	58.50	
3.00	PP	61.50	
3.00	SP	64.50	
4.67	PP	69.17	
6.10	PP	75.27	
6.11	PP	81.38	
6.12	PP	87.50	
6.05	SP	93.55	
6.12	PP	99.67	

Logging Report

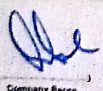
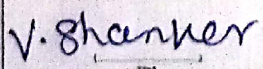
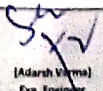
Date of Logging-			29-04-2023		
S.N.	Depth (Mbgf)		Thickness (m)	Quality (In terms of Salinity)	Remark
	From	to			
1	28	35	7	Good	
2	42	49	7	Good	
3	52	59	7	Good	
4	61	65	4	Good	
5	87	94	7	Good	
6	220	223	3	Moderate	
7	231	238	7	Good	

Note:

1	Fine band of Kankar are intermixed with above said Zones
2	Zones S no - 1 & 7 are highly intermixed with fine bands of kankar.
3	Quality of Ground water is Deteriorating Marginal to saline in between 102.0 to 216.0 m bgl
4	Predominated clay is present in depth range 216.0 to 220.0 m bgl
5	Clay and kankar intercalation is present in depth range 224.0 to 230.0 m bgl

DETAILS

Date of lowering		08-05-2023	
1	Depth of bore 500mm	58.00	m
2	Depth of bore 450mm	188.00	m
3	Plain pipe 200 mm φ	44.50	m
4	Slotted pipe 200 mm φ	6.00	m
5	Plain pipe 150 mm φ	34.42	m
6	Slotted pipe 150 mm φ	15.05	m
7	Reducer 200 x 150 mm	0.20	m
Total		100.17	m

 Company Representative M/S Afcons Infrastructure Ltd Jaunpur (U.P.)	 V. Shanker TPO Madhya Pradesh Concept Pvt. Ltd. Jaunpur	 Ashish Dubey Junior Engineer	 Sudhanshu Singh Assistant Engineer, SWSM	 Adarsh Verma Exa. Engineer
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