

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Taterha
 Block: Fakharapur
 District: Bahraich
 State: Uttar Pradesh
 Date of logging: 20-12-2021
 Drilling depth: 340.0 m bgl
 Logging Depth: 329.0 m bgl
 Rm - 19.5 Ω m
 Rw - 40.0 Ω m

Borehole Drilled by: M/s PNC Infratech.

Based on the interpretation of Self Potential (SP), Short Normal (N-16"), Long Normal (N-64") and Natural Gamma Ray, geophysical logs following informations/granular zones have been deciphered:

Sl. No.	Depth Range (mbgl)	Thickness (meter)	Inferred lithology	Remark (Quality of Aquifer Water)
1.	05 - 15	10	Surface Soil	
2.	15 - 39	24	Sand intermixed with Kankar	Good
3.	39 - 44	05	Sandy Clay	
4.	44 - 54	10	Sand intermixed with Kankar	Good
5.	54 - 59	05	Sandy Clay	
6.	59 - 76	17	Fine to Medium Sand intermixed with Kankar	Good
7.	76 - 89	13	Sandy Clay	
8.	89 - 107	18	Sand intermixed with Kankar	Good
9.	107 - 113	06	Clay intermixed with Kankar	
10.	113 - 119	06	Sand intermixed with Kankar	Good

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For Geo Instruments & Technic's
(S. Shukla)

11.	119 - 135	16	Fine Sand & Sandy Clay intermixed with Kankar	Good
12.	135 - 143	08	Sandy Clay intermixed with Kankar	
13.	143 - 165	22	Sand intermixed with Kankar	Good
14.	165 - 214	49	Fine to Medium Sand intermixed with Kankar	Good
15.	214 - 216	02	Sandy Clay	
16.	216 - 219	03	Fine Sand	Good
17.	219 - 228	13	Sandy Clay	
18.	228 - 231	03	Clay	
19.	232 - 238	06	Fine Sand intermixed with Kankar	Good
20.	238 - 242	04	Clay	
21.	242 - 248	06	Fine to Medium Sand	Good
22.	248 - 254	06	Sandy Clay	
23.	254 - 261	07	Fine Sand intermixed with Kankar	Good
24.	261 - 287	26	Sand intermixed with Kankar	Good
25.	287 - 293	06	Clay	
26.	293 - 306	13	Fine to Medium Sand intermixed with Kankar	Good
27.	306 - 312	06	Fine to Medium Sand intermixed with Kankar	Good
28.	312 - 319	07	Clay	
29.	319 - 321	02	Fine Sand	Good
30.	321 - 326	05	Sandy Clay	
31.	326 - 329	03	Fine Sand intermixed with Kankar	Good