

GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Exploration and Instrumentation)

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

Ref.GIT:UP: PJM:21-22:LS: 36

Dated: 08-12-2021

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Arakapur
Block: Payagpur
District: Bahraich
State: Uttar Pradesh
Date of logging: 07-12-2021
Drilling depth: 225.0 m bgl
Logging Depth: 218.0 m bgl
Rm - 15.0 Ω m Rw - 24.0 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.	5 - 15	10	Surface Soil	
2.	15 - 22	07	Sand	Good
3.	22 - 27	05	Clay	
4.	27 - 33	06	Sand	Good
5.	33 - 66	33	Find Sand intermixed with Kankar	Good
6.	66 - 72	06	Sandy Clay	
7.	72 - 78	06	Sand	Good
8.	78 - 82	04	Sandy Clay	
9.	82 - 90	08	Sand	Good
10.	90 - 94	04	Prominent Clay	
11.	95 - 106	11	Sand	Good
12.	106 - 110	04	Prominent Clay	
13.	110 - 121	11	Find to Medium Sand	Good
14.	121 - 126	05	Prominent Clay	
15.	126 - 132	06	Sandy Clay	
16.	132 - 139	07	Fine Sand.	Good
17.	139 - 148	09	Sand	Good
18.	148 - 152	04	Prominent Clay	
19.	152 - 159	07	Fine Sand	Good