

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:21-22:LS: 58

Dated: 08-12-2021

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Maharatha (Maulvi)**
Block: **Risiya**
District: **Bahraich**
State: **Uttar Pradesh**
Date of logging: **05-12-2021**
Drilling depth: **231.0 m bgl**
Logging Depth: **221.0 m bgl**
Rm - **19.0 Ω m** Rw - **29.0 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 - 47	32	Sand	Good
3.	47 - 60	13	Prominent Clay	
4.	60 - 71	11	Sand	Good
5.	71 - 77	06	Sandy Clay	
6.	77 - 95	18	Fine to Medium Sand	Good
7.	95 - 104	09	Sand	Good
8.	104 - 112	08	Prominent Clay	
9.	112 - 116	04	Fine Sand	
10.	116 - 121	05	Sand	Good
11.	121 - 126	05	Prominent Clay	
12.	126 - 134	08	Sand Intermixed with Kankar	Good
13.	134 - 140	06	Sandy Clay intermixed with Kankar	
14.	140 - 153	13	Sand	Good
15.	153 - 157	04	Clay	
16.	157 - 162	05	Fine Sand	Good
17.	162 - 166	04	Clay	


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