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GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Exploration and Instrumentation)

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

Ref:GIT:UP: PJM:21-22:LS: 68

Dated: 11-12-2021

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Masupur
Block: Risiya
District: Bahraich
State: Uttar Pradesh
Date of logging: 11-12-2021
Drilling depth: 220.0 m bgl
Logging Depth: 207.0 m bgl
Rm - 27.0 Ω m
Rw - 26.0 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 - 25	10	Sand	Good
3.	25 - 35	10	Prominent Clay	
4.	35 - 49	14	Sand	Good
5.	49 - 60	11	Prominent Clay	
6.	60 - 71	11	Sand	Good
7.	71 - 80	09	Sandy Clay intermixed with Kankar	
8.	80 - 106	26	Sand intermixed with Kankar	Good
9.	106 - 115	09	Prominent Clay	
10.	115 - 120	05	Sand	Good
11.	120 - 125	05	Sandy Clay	
12.	125 - 129	04	Sand	Good
13.	129 - 138	09	Sandy Clay	
14.	138 - 145	07	Sand	Good
15.	145 - 153	08	Prominent Clay	
16.	153 - 160	07	Fine Sand intermixed with Kankar	Good

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17.	160 – 165	05	Sandy Clay	
18.	165 – 170	05	Fine to Medium Sand intermixed with Kankar	Good
19.	170 – 174	04	Fine Sand intermixed with Kankar	Good
20.	174 – 180	06	Sandy Clay	
21.	180 – 185	05	Fine Sand intermixed with Kankar	Good
22.	185 – 200	15	Sand intermixed with Kankar	Good
23.	200 – 207	07	Prominent Clay	

Reshmi
11/12/2021

For Geo Instruments & Technic's

S. Shukla
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