



GEOPHYSICAL DIGITAL LOGGING REPORT

SITE:	SHAHNAWAZPUR	DATE OF LOGGING:	14.05.2023
BLOCK:	CHITaura	DRILLING DEPTH:	305.00 M
STATE:	UTTAR PRADESH	LOGGING DEPTH:	300.197M
ENGG:	ASHOK KUMAR	LOGGING COMPANY:	Mining Associates Pvt. Ltd.
Rm	0.852 ohm/m	Rw	0.796 ohm/m
DISTRICT	BAHRAICH		

AQUIFER:-
The depth zones with high resistivity and relatively low Natural Gamma radioactivity values are referred as Aquifer Zones.

CLAY:-
The depth zones with less resistivity and relatively high Natural Gamma radioactivity values are referred as Clay zones.

NOTE:- These values are only indicative. The thin clay or sand layer does not reveal its actual resistivity value

Sl. No.	Depth		Thickness (m)	Inferred lithology	Remark (Quality of Aquifer Water)
	From (m)	To (m)			
1	0	5	5	Top Soil	
2	5	16	11	Coarses to medium grain sand	Good
3	16	44	28	Medium grain sand	Good
4	44	52	8	Coarses to medium grain sand	Good
5	52	62	10	Clay with sand	
6	62	76	14	Medium grain sand	Good
7	76	109	33	Medium to fine grain sand	Good
8	109	129	20	Medium grain sand	Good
9	129	132.5	3.5	Fine sediment	
10	132.5	138	5.5	Medium grain sand	Good
11	138	141.5	3.5	Fine sediment	
12	141.5	156	14.5	Medium grain sand	Good
13	156	170	14	Medium to fine grain sand	Good
14	170	179	9	Clay with sand - FS	
15	179	197.5	18.5	Medium grain sand	Good
16	197.5	218	20.5	Medium to fine grain sand	Good
17	218	222	4	Fine sediment	
18	222	225.5	3.5	Medium to fine grain sand	Good
19	225.5	234	8.5	Clay with sand - FS	
20	234	243	9	Coarses to medium grain sand	Good
21	243	246	3	Medium to fine grain sand	Good
22	246	252	6	Fine sediment	
23	252	259	7	Medium to fine grain sand	Good
24	259	273	14	Sandy clay	
25	273	278	5	Medium grain sand	Good
26	278	281	3	Fine sediment	
27	281	287	6	Medium grain sand	Good
28	287	292	5	Medium to fine grain sand	Good
29	292	298	6	Medium grain sand	Good

Verified as per logs provided.

Note No proper clay

1 Executive Engineer, C.D. Rural U.P. Jal Nigam, Gonda
2 M/S Wahwanath Projects Limited, Bahraich

Zones encountered
1. s. + no. loc. h...

For Mining Associates Pvt. Ltd
B. Bhaskar Rao
Geophysicist

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