



GEOPHYSICAL DIGITAL LOGGING REPORT

SITE:	CHILWARIYA	DATE OF LOGGING:	18.05.2023
BLOCK:	CHITaura	DRILLING DEPTH:	305.00 M
STATE:	UTTAR PRADESH	LOGGING DEPTH:	300.31 M
ENGG:	B BHASKAR RAO	LOGGING COMPANY:	Mining Associates Pvt. Ltd.
Rm	0.870 ohm\m	Rw	0.838 ohm\m
DISTRIC	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	6	6	Top Soil	
2	6	10	4	Fine grain sand	Medium
3	10	13	3	Medium grain sand	Good
4	13	26	13	Clay with sand	
5	26	33	7	Medium grain sand	Good
6	33	42	9	Clay with sand	
7	42	67	25	Coarse to medium grain sand	Good
8	67	80	13	Clay with sand	
9	80	84	4	Coarse to medium grain sand	Good
10	84	90	6	Fine grain sand	Medium
11	90	100	10	Medium grain sand	Good
12	100	107.5	7.5	Coarse to medium grain sand	Good
13	107.5	139.5	32	Medium grain sand	Good
14	139.5	147	7.5	Coarse to medium grain sand	Good
15	147	152	5	Fine sediment	
16	152	156	4	Medium to fine grain sand	Good
17	156	162	6	Medium grain sand	Good
18	162	180	18	Medium to fine grain sand	Good
19	180	209.5	29.5	Medium grain sand	Good
20	209.5	220	10.5	Clay with sand	
21	220	225	5	Medium to fine grain sand	Good
22	225	237	12	Medium grain sand	Good
23	237	243	6	Medium to fine grain sand	Good
24	243	247	4	Fine sediment	
25	247	267	20	Medium grain sand	Good
26	267	272.5	5.5	Calcy	
27	272.5	276	3.5	Medium grain sand	Good
28	276	283.5	7.5	Calcy	
29	283.5	298	14.5	Medium grain sand	Good

Seen

SM

Verified as per logs provided

Note:- Sr No 23 to 28

highly kankar intermixed

cc:

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

For Mining Associates Pvt. Ltd.

B. Bhaskar Rao
Geophysicist

G.Sh