



## GEOPHYSICAL DIGITAL LOGGING REPORT

SITE:	FATEHSARAI	DATE OF LOGGING:	05.05.2023
BLOCK:	BANKI	DRILLING DEPTH:	167.00 M
STATE:	UTTAR PRADESH	LOGGING DEPTH:	165.02M
ENGG:	B BHASKAR RAO	LOGGING COMPANY:	Mining Associates Pvt. Ltd.
Rm	0.510 ohm/m	Rw	0.473 ohm/m
DISTRIC	BARABANKI		

**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	7	7	Top Soil	
2	7	18.5	11.5	Clay with sand	
3	18.5	35	16.5	Medium to fine grain sand	Good
4	35	53.5	18.5	Medium grain sand	Good
5	53.5	70	16.5	Clay with sand	
6	70	80.5	10.5	Medium to fine grain sand	Good
7	80.5	89.5	9	Clay with sand	
8	89.5	91.5	2	Medium grain sand	Good
9	91.5	98.5	7	Clay with sand	
10	98.5	105.5	7	Medium to fine grain sand	Good
11	105.5	119.5	14	Clay with sand	
12	119.5	124	4.5	Medium to fine grain sand	Good
13	124	135	11	Clay with sand	
14	135	144	9	Medium to fine grain sand	Good
15	144	150	6	Fine sediment	
16	150	153.5	3.5	Medium to fine grain sand	Good
17	153.5	162.5	9	Clay with sand	

NOTE:-

1. ALL zones has intermixed with thin band of kankar

Verified as per logs provided

G.Sh  
06/05/23

For Mining Associates Pvt. Ltd.

B. Bhaskar Rao  
Geophysicist

CC;

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- 2.M/S PNC Infratech Limited,Barabanki