



## GEOPHYSICAL DIGITAL LOGGING REPORT

SITE:	MAHMOODABAD	DATE OF LOGGING:	27.05.2023
BLOCK:	DEWA	DRILLING DEPTH:	165.00 M
STATE:	UTTAR PRADESH	LOGGING DEPTH:	151.00 M
ENGG:	B BHASKAR RAO	LOGGING COMPANY:	Mining Associates Pvt. Ltd.
Rm	0.535 ohm/m	Rw	0.496 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	8	8	Top Soil	→
2	8	16	8	Medium to fine grain sand	Good
3	16	24	8	Medium grain sand	Good
4	24	34	10	Clay with sand	
5	34	58	24	Coarse to medium grain sand	Good
6	58	68.5	10.5	<del>Medium to fine grain sand</del> Kankar	Good
7	68.5	83	14.5	Medium grain sand	Good
8	83	88	5	Fine sediment with kankar	
9	88	96	8	Medium to fine grain sand	Good
10	96	104	8	Clay with sand	
11	104	106	2	Medium to fine grain sand	Good
12	106	113	7	Clay with sand	
13	113	120	7	Medium grain sand	Good
14	120	133.5	13.5	Clay with sand	
15	133.5	139.5	6	Medium grain sand	Good
16	139.5	148	8.5	Clay with sand	
17	148	151	3	Fine grain sand	Good

NOTE:-

1. ALL zones has intermixed with thin band of kankar

Verified as per logs provided

For Mining Associates Pvt. Ltd.

B. Bhaskar Rao  
Geophysicist

CC;

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- 2.M/S PNC Infratech Limited,Barabanki

G.Sh  
29/05/23