



MINING ASSOCIATES PVT. LTD.

GEOPHYSICAL DIGITAL LOGGING REPORT

SITE:	MATI	DATE OF LOGGING:	17.05.2023
BLOCK:	BANKI	DRILLING DEPTH:	167.00 M
STATE:	UTTAR PRADESH	LOGGING DEPTH:	165.33 M
ENGG:	B BHASKAR RAO	LOGGING COMPANY:	Mining Associates Pvt. Ltd.
Rm	0.529 ohm/m	Rw	0.485 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	21	13	Clay with sand	
3	21	41	20	Medium to fine grain sand	Good
4	41	48.5	7.5	Clay with sand	
5	48.5	53	4.5	Medium to fine grain sand	Good
6	53	58	5	Fine sediment	
7	58	90	32	Medium to fine grain sand	Good
8	90	109.5	19.5	Fine grain sand	Medium
9	109.5	130	20.5	Clay with sand	
10	130	134	4	Fine grain sand	Deteriorated
11	134	144	10	Clay with sand	
12	144	148	4	Fine grain sand	Deteriorated
13	148	164	16	Clay with sand	

NOTE:-

1. ALL zones has intermixed with thin band of kankar
2. 130 mbgl to 164 mbgl formation zones have deteriorated

Verified as per logs provided

For Mining Associates Pvt. Ltd.
B. Bhaskar Rao
Geophysicist

cc;

1. Executive Engineer, C.D. (Rural), U.P. Jal Nigam, Ayodhya
2. M/S PNC Infratech Limited, Barabanki

GSh
19/05/23