

## GEOPHYSICAL DIGITAL LOGGING REPORT

SITE:	MAHOLI SHEK KHAN(ZONE-B)	DATE OF LOGGING:	12.10.2023
BLOCK:	BALAHA	DRILLING DEPTH:	305.00 M
STATE:	UTTAR PRADESH	LOGGING DEPTH:	299.00M
ENGG:	ASHOK KUMAR	LOGGING COMPANY:	Mining Associates Pvt. Ltd.
Rm	10.3 ohm.m	Rw	11.6 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	10	10	Top Soil	
2	10	40	30	Coares grain sand	Good
3	40	58	18	Clay with sand	
4	58	97.5	39.5	Medium grain sand	Good
5	97.5	102.5	5	Clay	
6	102.5	136.5	34	Medium grain sand&kankar	Good
7	136.5	143.5	7	Clay	
8	143.5	191	47.5	Medium grain sand&kankar	Good
9	191	210	19	Clay with sand	
10	210	250	40	Medium to fine grain sand&kankar	Good
11	250	255	5	Fine sediment	
12	255	268	13	Medium grain sand	Good
13	268	270	2	Fine sediment	
14	270	273	3	Medium grain sand	Good
15	273	275	2	Fine sediment	
16	275	288.5	13.5	Medium grain sand	Good
17	288.5	292	3.5	Fine sediment	
18	292	299	7	Medium grain sand	Good

**NOTE:-** 1. ALL zones have intermixed with thin band of kankar

For Mining Associates Pvt. Ltd.

Seen

Ashok Kumar  
Geophysicist