MAPL

MINING ASSOCIATES PVT. LTD.

GEOPHYSICAL DIGITAL LOGGING REPORT

SITE:	SALARPUR	**DATE OF LOGGING:**	18.03.2023
BLOCK:	DEWA	**DRILLING DEPTH:**	167.00 M
STATE:	UTTAR PRADESH	**LOGGING DEPTH:**	165.25M
ENGG:	ASHOK KUMAR	**LOGGING COMPANY:**	Mining Associates Pvt. Ltd.
Rm	0.473ohm/m	**Rw**	0.394ohm/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	28.5	21.5	Medium grain sand	Good
3	28.5	35.5	7	Fine grain sand — F.S	Medium
4	35.5	63	27.5	Coares grain sand	Good
5	63	67	4	Clay with sand	
6	67	95	28	Medium grain sand	Good
7	95	107	12	Clay with sand	
8	107	110	3	Medium to fine grain sand	Good
9	110	116.5	6.5	Medium grain sand	Good
10	116.5	131	14.5	Fine grain sand	Medium
11	131	140	9	Clay	
12	140	142	2	Fine grain sand	Medium
13	142	145	3	Clay	
14	145	164	19	Medium to fine grain sand	Good

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

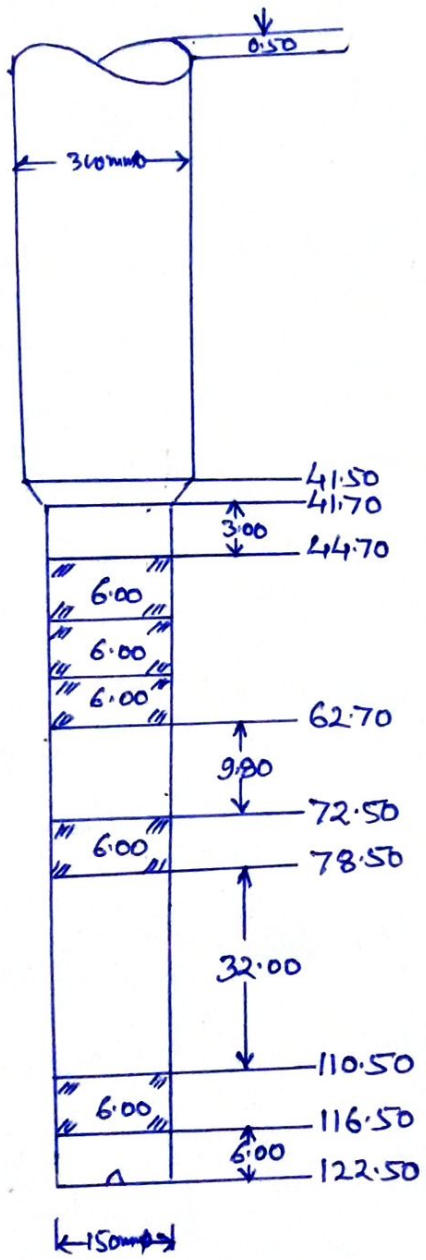
Sr NO 6 - 72-95
Sr N10 - 116-128 - Highly kankar intermixed
128-132 - Sand.

For Mining Associates Pvt. Ltd.
Ashok Kumar
Geophysicist

Verified as per logs provided.
Note - Groundwater quality interpreted by form as per their logger calibration

21/03/23

Proposed T/w Assembly chart of Salarpur W/s scheme Dewa Distt- Barabanki



1- Discharge = 760LPM

2- Motor HP = 12.5HP

3. Assembly size = 300 x 150 mm

4- Bore Ø = 600 x 450 mmØ

5- Logging Report dt-18-3-23

1- 0 - 7 = 7 = Topsoil

2- 7 - 28.5 = 21.5 Medium grains

3- 28.5 - 35.5 = 7 Fine grains

18 - 4 - 35.5 - 63 = 27.5 Coarse grain sand

5- 63 - 67 = 4 clay with sand

6 - 6 - 72 - 95 = 23 Medium grain

7- 95 - 107 = 12 clay with sand

8- 107 - 110 = 3 Medium to fine grain sand

6 - 9 - 110 - 116.5 = 6.5 Medium grain Sand

10- 116.50 - 131 = 14.5 Fine grain sand

11- 131 - 140 = 9 clay

12- 140 - 142 = 2 Fine grain sand

13- 142 - 145 = 3 clay

14- 145 - 164 = 19 Medium to fine