



GEOPHYSICAL DIGITAL LOGGING REPORT

SITE:	NARAYAN BHARI	DATE OF LOGGING:	29.03.2023
BLOCK:	DEWA	DRILLING DEPTH:	167.00 M
STATE:	UTTAR PRADESH	LOGGING DEPTH:	165.39M
ENGG:	ASHOK KUMAR	LOGGING COMPANY:	Mining Associates Pvt. Ltd.
Rm	0.520ohm/m	Rw	0.486ohm/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	9	9	Top Soil	
2	9	12.5	3.5	Medium to fine grain sand	Good
3	12.5	21	8.5	Fine grain sand	Medium
4	21	58.5	37.5	Medium to fine grain sand & kankar	Good
5	58.5	70	11.5	Clay with sand	
6	70	115	45	Medium to fine grain sand	Good
7	115	127.5	12.5	Fine grain sand	Medium
8	127.5	147	19.5	Clay with sand	
9	147	158	11	Medium to fine grain sand	Good
10	158	164	6	Clay with sand	

NOTE:-

1. ALL zones has intermixed with thin band of kankar

Verified as per logs provided.

For Mining Associates Pvt. Ltd.

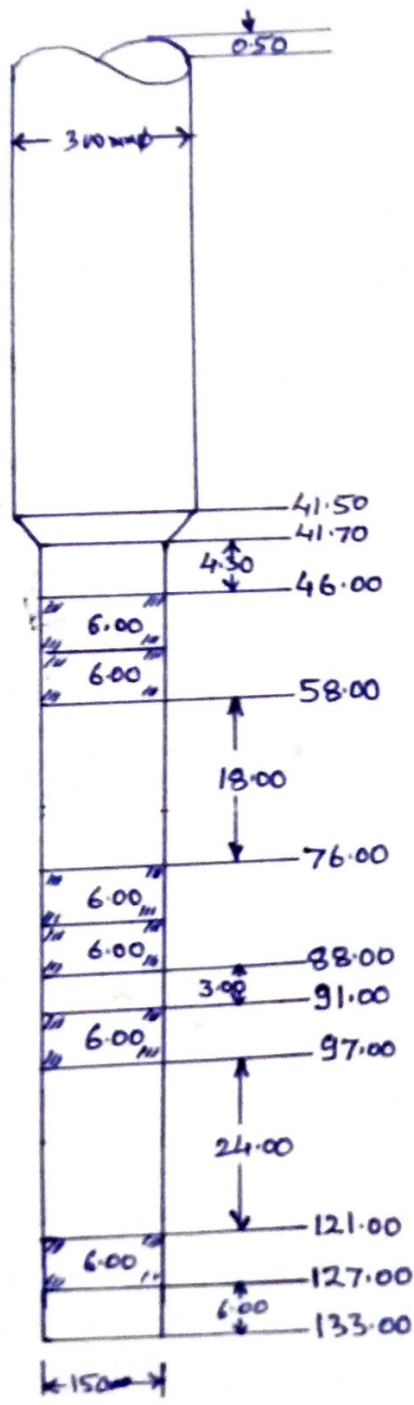
Ashok Kumar
Geophysicist

CC;

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

Note - Sr No 4
49-58 (14m)
- Groundwater quality interpreted by firm as per their logger calibration
GSh
31/03/23

Proposed TW Assembly chart of Narayan Bahari w/s Scheme block Dewa Distt - Barabanki



- 1- Discharge 970 LPM
- 2 Motor HP 17.5 HP
3. Assembly size 300x150mm
4. Bore $\phi = 600 \times 450$ mm
5. Logging Report dt 29/2/22
- 1 - 0 - 9 = 9 Topsoil
- 2 - 9 - 12.5 = 3.5 Medium to fine
- 3 - 12.5 - 21 = 8.5 Fine grain sand
- 12 - 4 - 44 - 58 = 14 Medium to fine grain sand
- 5 - 58.5 - 70 = 11.5 Clay with sand
- 6 - 70 - 115 = 45 Medium to fine
- ✓ 7 - 115 - 127.5 = 12.5 Fine grain sand
- 8 - 127.5 - 147 = 19.5 Clay with sand
- 9 - 147 - 158 = 11 Medium to fine
- 10 - 158 - 164 = 6 Clay with sand