

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-B- 1456

Date:- 06-08-2023

NAME OF SITE

GRAM PANCHAYAT- Paigamberpur Urf Sahapur BLOCK- Joya DISTT- Amroha

NAME OF AGENCY

M/s PNC-SPML-JV
Amroha

22, CAMAC STREET, BLOCK-A, 3rd FLOOR, KOLKATA-700016



GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO : 9001 : 2015

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- PAIGAMBERPUR URF SAHAPUR, BLOCK- JOYA,
DISTT- AMROHA
UNDER
JAL JIVAN MISSION

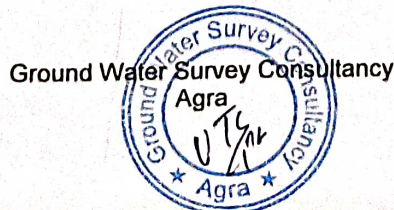
Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 114 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Amroha.

On the request of M/S PNC-SPML-JV, Amroha. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 06.Aug.2023.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

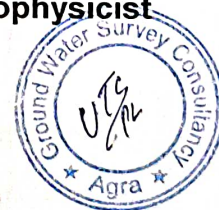
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 13	8	Dry sand	
3.	13 - 17	4	Clay kankar	
4.	17 - 23	6	Fine sand	
5.	23 - 26	3	Clay kankar	
6.	26 - 38	12	Medium sand	Med to Good
7.	38 - 44	6	Clay kankar	
8.	44 - 55*	11	Medium sand	Med to Good
9.	55 - 62	7	Clay kankar	
10.	62 - 98*	36	Medium sand & kankar	Med to Good
11.	98 - 105	7	Clay kankar	
12.	105 - 114*	9	Medium sand	Med to Good



Conclusions and Recommendations :-

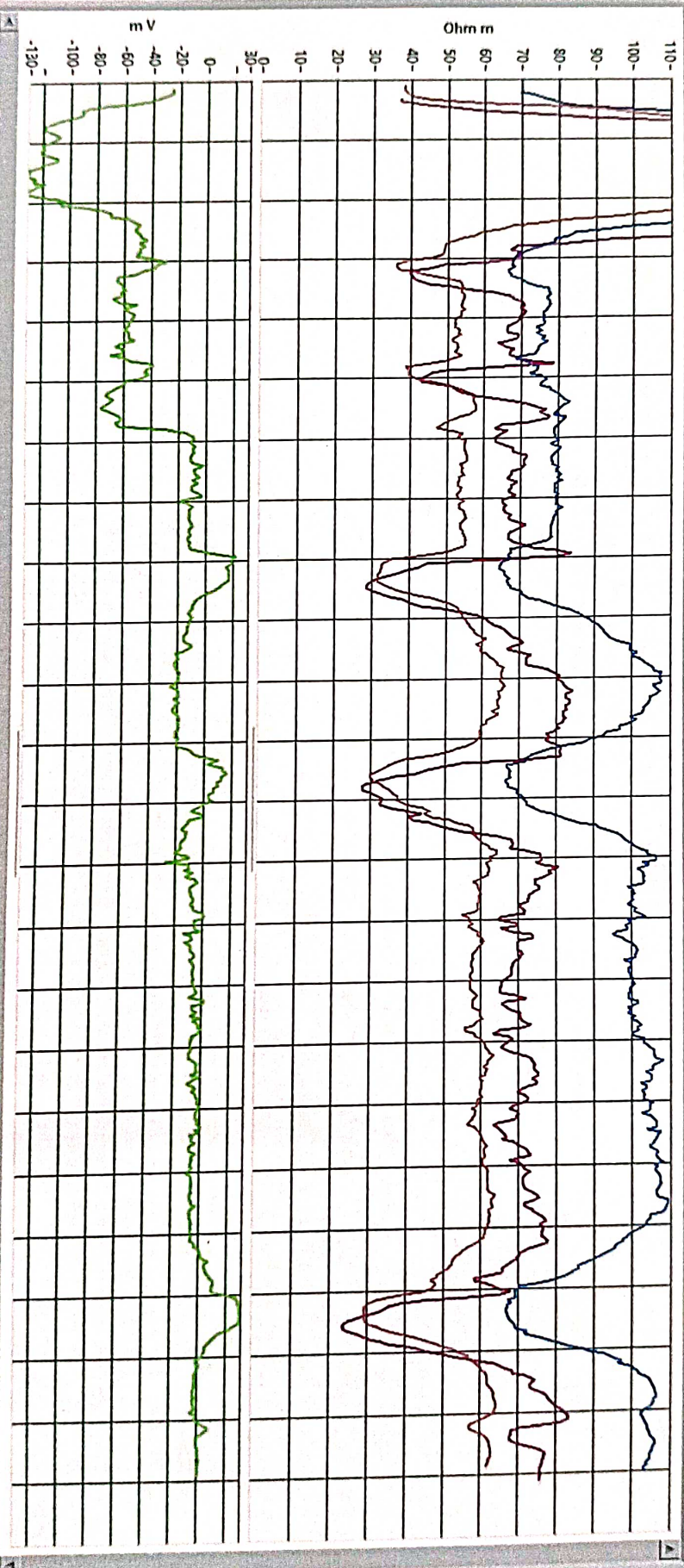
1. The Lithology broadly tallies with that of drill cutting strata chart.
2. The zones marked with asterisk (*) appear to be aquifer zones for possible development of tubewell.
3. The Quality of water is expected Medium to Good.
4. It is recommended to have a chemical and bacteriological analysis of the water sample before using it for human consumption or for any other use.
5. All projections and recommendations are subject to the inherent limitations of the technique employed and there could be variations as the underground conditions are not always amenable to physical interpretations.

Geophysicist



Ground Water Survey Consultancy

Rho a
 NI6 (SN)
 NI6(LN)
 LAT
 Logging Details
 Logged by: *[Signature]*
 Logged on: 24 Aug 2023
 15:28
 Logged by: *[Signature]*
 Logged on: 24 Aug 2023
 15:28
 Logged by: *[Signature]*
 Logged on: 24 Aug 2023
 15:28



DMP-2
 Logger Model:
 Logger Owned by:
 Ground Water
 Survey/Consultancy
 Agra UP India
 India

