

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- N-896

Date:- 20-01-2023

NAME OF SITE

GRAM PANCHAYAT- Daurara

BLOCK- Rahra

DISTT- Amroha

NAME OF AGENCY

M/s PNC-SPML-JV
Moradabad

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

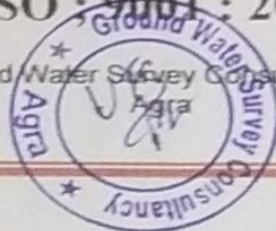


GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.
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ISO : 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- DAURARA, BLOCK- RAHRA, DISTT- AMROHA
UNDER
JAL JIVAN MISSION

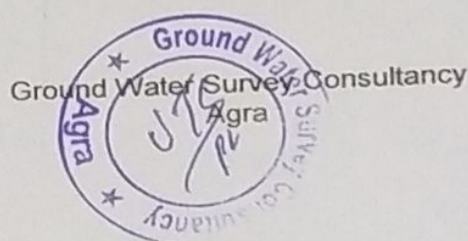
Introduction :

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

On the request of M/S PNC-SPML-JV, Moradabad. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 20.Jan.2023.

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

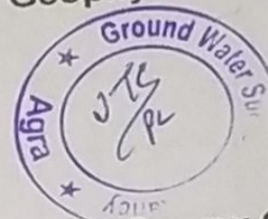
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 8	3	Dry sand	
3.	8 - 20	12	Clay kankar	
4.	20 - 30	10	Sandy clay	
5.	30 - 35	5	Clay kankar	Medium
6.	35 - 40	5	Fine sand	
7.	40 - 48	8	Clay kankar 1	Medium
8.	48 - 78*	30	Medium sand	
9.	78 - 87	9	Clay kankar 2	Medium
10.	87 - 97*	10	Medium sand	
11.	97 - 102	5	Clay kankar 3	Medium
12.	102 - 110*	8	Fine to Medium sand	
13.	110 - 115	5	Kankar	
14.	115 - 120*	5	Medium sand	Medium



Conclusions and Recommendations :-

1. The Lithology broadly tallies with that of drill cutting starta 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.
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



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