

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:- 1116

Date:- 01-11-2022

NAME OF SITE

GRAM PANCHAYAT- Chakarpur

BLOCK- Milak

DISTT- Rampur

NAME OF AGENCY

M/s PNC-SPML-JV

Moradabad

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



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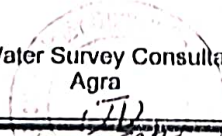
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

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ISO ; 9001 : 2015

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Agra



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- CHAKARPUR, BLOCK- MILAK, DISTT- RAMPUR
UNDER
JAL JIVAN MISSION

Introduction :

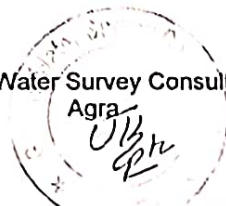
A Deep bore hole was drilled 150 mtrs. depth. and Logged depth 143 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Moradabad.

On the request of M/S PNC-SPML-JV, Moradabad. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 01.Nov.2022.

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 - 18	13	Fine sand	
3.	18 - 26	8	Clay kankar	
4.	26 - 35	9	Sandy Clay	
5.	35 - 60*	25	Fine to medium sand	Good
6.	60 - 67	7	Kankar	
7.	67 - 86*	19	Medium sand & kan.	Good
8.	86 - 92	6	Clay kankar	
9.	92 - 102*	10	Medium sand	Good
10.	102 - 112	10	Sand & kankar	
11.	112 - 117	5	Clay kankar	
12.	117 - 128*	11	Medium sand	Good
13.	128 - 136	8	Clay kankar	
14.	136 - 143	7	Fine to medium sand	Good

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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 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



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