

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-A- 239

Date:- 13-04-2023

NAME OF SITE

GRAM PANCHAYAT- Lalpur

BLOCK- Swar

DISTT- Rampur

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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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- LALPUR, BLOCK- SWAR, DISTT- RAMPUR
UNDER
JAL JIVAN MISSION

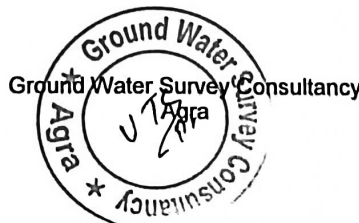
Introduction :

A Deep bore hole was drilled 143 mtrs. depth. and Logged depth 142 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 13.April.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 - 15	10	Clay kankar	
3.	15 - 28	13	Fine to Medium sand	Medium
4.	28 - 49	21	Clay kankar	
5.	49 - 66*	17	Medium sand & kankar	Medium
6.	66 - 79	13	Clay kankar	
7.	79 - 81	2	Fine sand	Medium
8.	81 - 91	10	Clay kankar	
9.	91 - 110*	19	Medium sand	Medium
10.	110 - 129	19	Clay kankar	
11.	129 - 142*	13	Medium sand	Medium



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.
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.



Ground Water Survey Consultancy

Rho a
 NI6 (SN)
 NS4(LN)
 LAT
 Logging Details:
 Logging Station Book
 5th Part Book
 UPI: GSENGUS
 18 Feb 2023
 2032
 Uprate C. 218 (A3)

logget Sheet
 IGIS/S/04/Z1-22

logget Model:
 DMP-L-2
 logget Owned by:
 GROUND WATER
 SURVEY
 CONSULTANCY
 - AGRA, INDIA

