

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-A-318

Date:- 22-02-2023

NAME OF SITE

GRAM PANCHAYAT- Ashokpur Patti BLOCK- Chamraua 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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ISO 9001:2015
Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- ASHOKPUR PATTI, BLOCK- CHAMRAUA, DISTT- RAMPUR
UNDER
JAL JIVAN MISSION

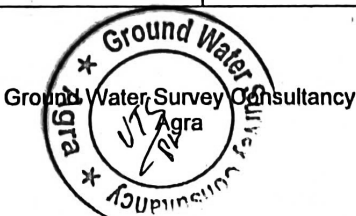
Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 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 22.Feb.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 - 10	5	Clay kankar	
3.	10 - 28	18	Medium sand	
4.	28 - 34	6	Clay kankar	
5.	34 - 37	3	Fine sand	Medium
6.	37 - 42	5	Clay kankar	
7.	42 - 52	10	Medium sand	Medium
8.	52 - 56	4	Clay kankar	
9.	56 - 66*	10	Medium sand	Medium
10.	66 - 72	6	Clay kankar	
11.	72 - 106*	34	Fine to Medium sand	Medium
12.	106 - 110	4	Clay kankar	
13.	110 - 122*	12	Medium sand & kankar	Medium
14.	122 - 128	6	Clay kankar	
15.	128 - 136	8	Sand & kankar	Medium
16.	136 - 140	4	Clay kankar	



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)
 N64(LN)
 LAT

Logging Details:

0337 v APPROX DATE
 ROCKERS - BRASS & ST
 4 m of
 DOWN LOGGING
 22 Feb 2023
 15:06
 J08071

SP (m V)
 Logger Model:
 DMAPL-2
 Logger Oriented by:
 Ground Water
 Survey Consultancy
 Agra UP

Logger S No:
 IGIS/S/04/21-22

