

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-B-80

Date:- 14-04-2023

NAME OF SITE

GRAM PANCHAYAT- Baijni

BLOCK- Saidnagar

DISTT- Rampur

NAME OF AGENCY

M/s PNC-SPML-JV

Rampur

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- BAIJNI, BLOCK- SAIDNAGAR, DISTT- RAMPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 130 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 14.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 - 10	5	Clay kankar	
3.	10 - 15	5	Fine sand	
4.	15 - 20	5	Clay kankar	
5.	20 - 45	25	Medium sand	Good
6.	45 - 50	5	Clay kankar	
7.	50 - 55	5	Fine to Medium sand	Good
8.	55 - 58	3	Clay kankar	
9.	58 - 64*	6	Medium sand	Good
10.	64 - 67	3	Clay kankar	
11.	67 - 85*	18	Fine to Medium sand	Good
12.	85 - 88	3	Kankar	
13.	88 - 105*	17	Medium sand	Good
14.	105 - 115	10	Clay kankar	
15.	115 - 123*	8	Fine to Medium sand	Good
16.	123 - 130	7	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 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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Logging Details:
 Vialam Eco-Stations
 Dindimur
 14 Apr 2022
 11:42
 Uday's Geos (P)

Rho a
 N16 (SN)
 NS4(LIN)
 LAT

Logger's No:
 KGS/S/01/21-22

Logger Model:
 DMPL-2

Logger Owned by:
 GROUND WATER SURVEY CONSULTANCY
 AGRA, UP, India

