

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-B-2951

Date:- 21-01-2024

NAME OF SITE

GRAM PANCHAYAT- Bhaupura

BLOCK- Swar

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

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REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 138 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Rampur.

On the request of M/S PNC-SPML-JV, Rampur.. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 21.Jan.2024.

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 - 24	19	Clay kankar	
3.	24 - 27	3	Fine sand	
4.	27 - 43	16	Clay kankar	
5.	43 - 47	4	Fine to Medium sand	Medium
6.	47 - 55	8	Clay kankar	
7.	55 - 60*	5	Fine to Medium sand	Medium
8.	60 - 66	5	Clay kankar	
9.	66 - 75*	9	Medium sand	Medium
10.	75 - 81	6	Clay kankar	
11.	81 - 83	2	Fine sand	Medium
12.	83 - 104	21	Clay kankar	
13.	104 - 115*	11	Medium sand	Medium
14.	115 - 125	10	Clay kankar	
15.	125 - 130*	5	Fine to Medium sand	Medium
16.	130 - 138	8	Clay kankar	

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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 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.

Geologist



Logging Details
 Log No. 11
 Log Date 21 Jan 2014
 Log Time 11:34
 Log Location (optional)
 Log No. 11
 Log Date 21 Jan 2014
 Log Time 11:34
 Log Location (optional)

Logger Name: DMAP1-2
 Logger Owned by: Ground Water Survey Consultancy
 Agency Name: Agri UP India
 India

Log No. 11
 Log Date 21 Jan 2014
 Log Time 11:34
 Log Location (optional)

