

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-A-1587

Date:- 06-09-2023

NAME OF SITE

GRAM PANCHAYAT- Faijulla Nagar 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
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REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 120 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 06.Sep.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 - 7	2	Sandy clay	
3.	7 - 46	39	Clay kankar	
4.	46 - 60*	14	Medium sand	Medium
5.	60 - 68	8	Clay kankar	
6.	68 - 76*	8	Medium sand	Medium
7.	76 - 86	10	Clay kankar	
8.	86 - 109*	23	Medium sand & kankar	Medium
9.	109 - 120	11	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.

Geophysicist



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Report No. 1
 Date: 15/05/2023
 Project Name: [Blank]
 Location: [Blank]
 Scale: 1:1000
 Drawing No. GW-01

Prepared by: [Blank]
 Checked by: [Blank]
 Approved by: [Blank]

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