

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- 763

Date:- 14-01-2023

NAME OF SITE

GRAM PANCHAYAT- Urocha Garv

BLOCK- Shahabad

DISTT- Rampur

NAME OF AGENCY

M/s PNC-SPML-JV

Moradabad

22, CAMAC STREET, BLOCK-A, 5th FLOOR, KOLKATA-700016



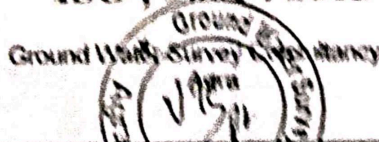
GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- UNCHA GANV, BLOCK- SHAHABAD, 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 14.Jan.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	Dry sand	
3.	15 - 30	15	Clay kankar	
4.	30 - 43	13	Medium sand	Good
5.	43 - 47	4	Clay kankar	
6.	47 - 51*	4	Fine to Medium sand	Good
7.	51 - 60	9	Clay kankar	
8.	60 - 70*	10	Medium sand	Good
9.	70 - 73	3	Clay kankar	
10.	73 - 92*	19	Medium sand	Good
11.	92 - 100	8	Clay kankar	
12.	100 - 130*	30	Medium sand	Good
13.	130 - 140	10	Sandy clay	

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



Ground Water Survey Consultancy

Sheet 3
 N16 (ST)
 N54(110)
 LAT

Survey of JICA's (G)
 8 km SW of S. 274
 Station - 102/2020
 14 Jan 2013
 2013
 South Coast, AG

SP (mV)

