

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-572

Date:- 21-05-2023

NAME OF SITE

GRAM PANCHAYAT- Paigambar Pur BLOCK- Milak DISTT- Rampur

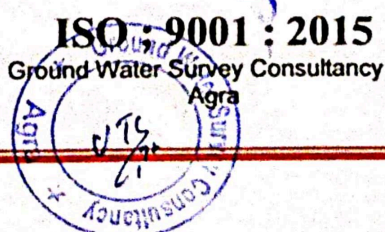
NAME OF AGENCY

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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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- PAIGAMBAR PUR, BLOCK- MILAK, 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, 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.May.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	Clay	
3.	15 - 51	36	Medium sand	Medium
4.	51 - 55	4	Clay kankar	
5.	55 - 64*	9	Medium sand	Medium
6.	64 - 66	2	Clay kankar	
7.	66 - 108*	42	Medium sand	Medium
8.	108 - 112	4	Clay kankar	
9.	112 - 120*	8	Medium sand	Medium
10.	120 - 130	10	Clay kankar	

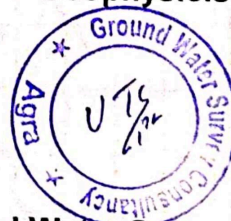
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Conclusions and Recommendations :-

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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100- 90- 80- 70- 60- 50- 40- 30- 20- 10- 0-
 Ohm m

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130
 Depth (m)

10- 0- -10- -20- -30- -40- -50- -60- -70-
 E

10- 0- -10- -20- -30- -40- -50- -60- -70-
 SP

10- 0- -10- -20- -30- -40- -50- -60- -70-
 DIAPY-2

logge Conduct by
 GROUND WATER
 SURVEY
 CONSULTANCY
 - AGRA INDIA

logge S. No.:
 IGS/S/03/21-22

100- 90- 80- 70- 60- 50- 40- 30- 20- 10- 0-
 N 163N0
 N 64 Q1N
 LAT

100- 90- 80- 70- 60- 50- 40- 30- 20- 10- 0-
 N 163N0
 N 64 Q1N
 LAT

100- 90- 80- 70- 60- 50- 40- 30- 20- 10- 0-
 N 163N0
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