GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-A-524

Date: 24-03-2023

NAME OF SITE

GRAM PANCHAYAT- Daniyapur Shankarpur DISTT- Rampur

BLOCK-Chamraua

NAME OF AGENCY

M/s PNC-SPML-JV

Moradabad

22, CAMAC STREAT, 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 Sonsultancy

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- DANIYAPUR SHANKARPUR, BLOCK- CHAMRAUA,
DISTT- RAMPUR
UNDER
JAL JIVAN MISSION

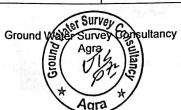
Introduction:

A Deep bore hole was drilled 125 mtrs. depth. and Logged depth 123 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 24.Mar.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	Thickness(m)	Lithology	Expected
S.1NO.	range(m)			Water Quality
1	0 - 5	5	Surface soil	
1.	5 - 8	3	Dry sand	
2.	8 - 15	7	Clay kankar	
3.	15 - 20	5	Fine sand	
4.	20 - 23	3	Clay kankar	1 U
5.	23 - 37	14	Medium sand	Good
6.	37 - 43	6	Kankar	
7.	43 - 60*	17	Medium sand	Good
8.	60 - 65	5	Clay kankar	
9.	65 - 77*	12	Medium sand	Good
10.	77 - 81	4	Clay kankar	, ·
11.	81 - 88*	7	Medium sand	Good
12. 13.	88 - 91	3	Clay kankar	
14.	91 - 110*	19	Medium sand	Good
15.	110 - 118	8	Clay kankar	
16.	118 - 121	3	Fine sand	Good
17.	121 - 123	2	Clay kankar	



Conclusions and Recommendations :-

- 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

