

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:- 1136

Date:- 03-11-2022

NAME OF SITE

GRAM PANCHAYAT- Paipura

BLOCK- Bilaspur

DISTT- Rampur

NAME OF AGENCY

M/s PNC-SPML-JV

Moradabad

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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Ground Water Survey Consultancy
Agra

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- PAIPURA, BLOCK- BILASPUR, DISTT- RAMPUR UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 128 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 03.Nov.2022.

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		
2.	5 - 15	10	Surface soil	
3.	15 - 18	3	Clay kankar	
4.	18 - 24	6	Fine sand	
5.	24 - 35	11	Clay kankar	
6.	35 - 44	9	Kankar	
7.	44 - 48	4	Fine to medium sand	Good
8.	48 - 52	4	Clay kankar	
9.	52 - 56	4	Fine to medium sand	Good
10.	56 - 58	2	Clay kankar	
11.	58 - 61	3	Fine sand	Good
12.	61 - 63	2	Clay kankar	
13.	63 - 67	4	Fine sand	Good
14.	67 - 69	2	Clay kankar	
15.	69 - 81	12	Fine sand	Good
16.	81 - 83	2	Clay kankar	
17.	83 - 93	10	Fine sand	Good
18.	93 - 96	3	Clay kankar	
19.	96 - 103	7	Fine sand	Good
20.	103 - 105	2	Clay kankar	
21.	105 - 106	1	Fine sand	Good
22.	106 - 111*	5	Clay kankar	
23.	111 - 121	10	Fine to med. sand & Boulder	Good
24.	121 - 124*	3	Clay kankar	
25.	124 - 128	4	Fine to med. sand & boulder	Good
			Clay Kankar	

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

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 N 16(S/N)
 N 64(L/N)
 LAT

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