

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A- 771

Date:- 11-06-2023

NAME OF SITE

GRAM PANCHAYAT- Kota Alinagar BLOCK- Bilaspur 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.
112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006
(M) : 9412260823, 9794625420, 9761163000, Email : gwsc_agra@yahoo.com

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REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 122 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 11.June.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 - 8	3	Clay	
3.	8 - 12	4	Fine sand	Med to Good
4.	12 - 20	8	Clay kankar	
5.	20 - 28	8	Medium sand	Med to Good
6.	28 - 31	3	Clay kankar	
7.	31 - 38	7	Medium sand	Med to Good
8.	38 - 50	12	Clay kankar	
9.	50 - 59*	9	Medium sand	Med to Good
10.	59 - 65	6	Clay kankar	
11.	69 - 72*	3	Medium sand	Med to Good
12.	72 - 80	8	Clay kankar	
13.	80 - 85	5	Medium sand	Med to Good
14.	85 - 100	15	Clay kankar	
15.	100 - 110*	10	Medium sand	Med to Good
16.	110 - 122	12	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 to 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



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Rho a
N16 (SN)
N64(QN)
LAT

Logging Details
Rising Water a "Agar"
Rohate Rajput dam Farm
UP, OSSNG
11 Jun 2023
1226
1200

Logger S No: IG/S/07/10-11

SP (m V)

Logger Model: DMPL-2
Logger Owned by: GROUND WATER SURVEY CONSULTANCY - AGRA, INDIA

