

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-B- 2274

Date:- 31-10-2023

NAME OF SITE

GRAM PANCHAYAT- Gangapur

BLOCK- Bilaspur

DISTT- Rampur

NAME OF AGENCY

M/s PNC-SPML-JV
Rampur



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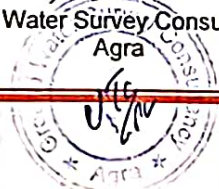
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- GANGAPUR, BLOCK- BILASPUR, 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, 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 31.Oct.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 - 18	13	Clay kankar	
3.	18 - 27	9	Fine to Medium sand	
4.	27 - 45	18	Clay kankar	
5.	45 - 55*	10	Medium sand	Med to Good
6.	55 - 59	4	Clay kankar	
7.	59 - 65*	6	Medium sand	Med to Good
8.	65 - 70	5	Fine sand	Med to Good
9.	70 - 82*	12	Medium sand	Med to Good
10.	82 - 95	13	Clay kankar	
11.	95 - 105*	10	Medium sand	Med to Good
12.	105 - 115	10	Clay kankar	
13.	115 - 120*	5	Medium sand	Med to Good
14.	120 - 134	14	Clay kankar	
15.	134 - 136	2	Medium sand	Med to Good
16.	136 - 140	4	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 (SX)
 NS4QU0
 LAT

Logging Details
 Logging V. Particular Block
 S.No. of Log Sheet
 IP 1000054
 31 Oct 2011
 2011
 (Date of Survey)

Log No. 5
 ICS/01/10-11

SP (m V)
 Log Model
 DMPL-2
 Log Owned by
 Ground Water
 Survey Consultancy
 Agre UP India
 India

