

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

A-625
Ref No:-P-474

Date:- 25-05-2023

NAME OF SITE

GRAM PANCHAYAT- Raipur Porohit BLOCK- Patiyali DISTT- Kasganj

NAME OF AGENCY

M/s PNC-SPML-JV
Kasganj



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- RAIPUR POROHIT, BLOCK- PATIYALI, DISTT- KASGANJ
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 109 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Kasganj.

On the request of M/S PNC-SPML-JV, Kasganj. a Geophysical well Logging is conducted at above bore hole using IGIS Well Logger on 25. May 2023.

Logging Parameters - 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:-

Mud Resistivity = 15.36 Ohms.

Drilling Water Resistivity = 16.41 Ohms.

Approx Water Level = 6 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 19	14	Medium sand	Medium
3.	19 - 25	6	Clay knakar	
4.	25 - 34	9	Medium sand	Medium
5.	34 - 45	11	Clay kankar	
6.	45 - 54*	9	Medium sand	Medium
7.	54 - 83	29	Clay kankar	
8.	83 - 98*	15	Medium sand	Medium
9.	98 - 109	11	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 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



Ground Water Survey Consultancy

No. 8
 N 16(SN)
 N 64 (LN)
 LAT

Location: ...
 Project No.: ...
 Date: ...
 Scale: ...
 Drawing: ...
 Rev. Date: ...

Paper S No.:
 IGS/S/OB/21-22

Paper Model:
 SP

Date: 1-2

Drawn by:

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