

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTOLOGGING REPORT**

Ref No:-A-1111

Date:- 18-07-2023

NAME OF SITE

GRAM PANCHAYAT- Pathakpur

BLOCK- Soron

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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ISO ; 9001 : 2015

Ground Water Survey Consultancy
Agra



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- PATHAKPUR, BLOCK- SORON, DISTT- KASGANJ
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 112 mtrs. depth. and Logged depth 112 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 in the above bore hole using IGIS Well Logger on 18.July.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:-

Mud Resistivity = 16.41 Ohms.

Drilling Water Resistivity = 17.09 Ohms.

Approx Water Level = 4 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Fine sand	
3.	10 - 20	10	Clay	
4.	20 - 26	6	Medium sand	Medium
5.	26 - 38	12	Clay kankar	
6.	38 - 52*	14	Medium sand	Medium
7.	52 - 56	4	Clay	
8.	56 - 63*	7	Fine to Medium sand	Medium
9.	63 - 66	3	Clay kankar	
10.	66 - 70*	4	Fine to Medium sand	Medium
11.	70 - 92	22	Sandy clay	
12.	92 - 105*	13	Fine to Medium sand	Medium
13.	105 - 112	7	Clay	

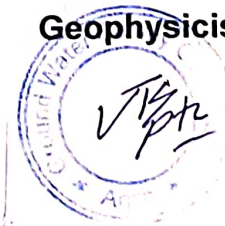
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Conclusions and Recommendations :-

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.
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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Rno a
N 16(SN)
N 64 (LN)
LAT

Location: Logging V. Apparatus
Block - Same Dist.
Kazipat
Log No.:
UP LOGS No. 62
Date: 18 Jul 2013
Time: 22:16
Observer: Umesh Chandra (S)
Well Depth:

Logger S No.:
IGS/S/O2/22-23

Logger Model: SP

DNAPL-2

Logger Owned by:

GROUND WATER
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AGRA, UP, INDIA

