

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-1183

Date:- 26-07-2023

NAME OF SITE

GRAM PANCHAYAT- Hathauravan

BLOCK- Patiyali

DISTT- Kasganj

NAME OF AGENCY

M/s PNC-SPML-JV
Kasganj



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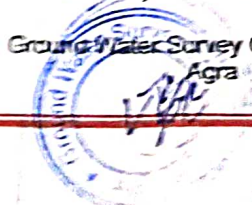
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

Ground Water Survey Consultancy
Agra



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- HATHAURAVAN, BLOCK- PATIYALI, DISTT- KASGANJ UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 120 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 26.July.2023.

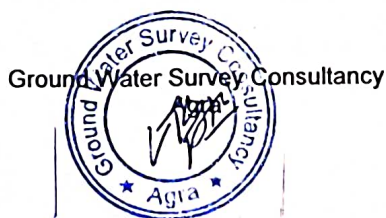
Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

Mud Resistivity = 15.29 Ohms.

Drilling Water Resistivity = 16.20 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 - 27	22	Clay kankar	
3.	27 - 34	7	Medium sand	Medium
4.	34 - 38	4	Clay kankar	
5.	38 - 45	7	Medium sand	Medium
6.	45 - 49	4	Clay kankar	
7.	49 - 56*	7	Medium sand	Medium
8.	56 - 64	8	Clay kankar	
9.	64 - 68*	4	Medium sand	Medium
10.	68 - 89	21	Clay kankar	
11.	89 - 95*	6	Medium sand	Medium
12.	95 - 118	23	Clay kankar	
13.	118 - 120	2	Sandy Clay	



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

Rno 8
N16 (SN)
NS4(LN)
LAT

Logging Details:

Logging in accordance with
SPP/2008/01/01
24 JUL 2012
18:00
AGRA (PURA AIR)

Logger S No: KSS/S/02/21-22

SP (mV)

Logger Model: DMPL-2

Logger Owned by:
GROUND WATER
SURVEY
CONSULTANCY
- AGRA BUDA

