

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-A-1181

Date:-28-07-2023

NAME OF SITE

GRAM PANCHAYAT- Shekhpura

BLOCK- Sidhpura

DISTT- Kasganj

NAME OF AGENCY

M/s PNC-SPML-IV
Kasganj

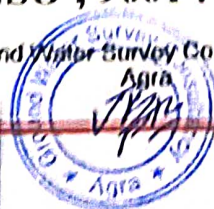


GROUND WATER SURVEY CONSULTANCY

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SHEKHPURA, BLOCK- SIDHPURA, DISTT- KASGANJ
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 106 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 = 16.29 Ohms.

Drilling Water Resistivity = 17.20 Ohms.

Approx Water Level = 9 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay kankar	
3.	10 - 16	5	Fine to medium sand	
4.	16 - 24	8	Clay kankar	
5.	24 - 31	7	Fine to Medium sand	Medium
6.	31 - 38	7	Clay kankar	
7.	38 - 65*	27	Medium sand	Medium
8.	65 - 75	10	Sandy clay	
9.	75 - 80*	5	Medium sand	Medium
10.	80 - 86	6	Clay kankar	
11.	86 - 97*	11	Medium sand	Medium
12.	97 - 106	9	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.
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
 NI6 (SM)
 NS6(LIN)
 LAT

Logging Details
 Logging Direction: back
 Report Unit: mV
 SP LOGGING
 22 Jul 2013
 17:05
 (Date from start)

Logger S No:
 IGSS/03/21-22

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

