

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-A-1351

Date:- 13-08-2023

NAME OF SITE

GRAM PANCHAYAT- Ahmad Devnagar BLOCK- Ganjdundwara
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- AHMAD DEV NAGAR, BLOCK- GANJDUNDWARA,
DISTT- KASGANJ
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 100 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 13.Aug.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 = 6.60 Ohms.

Drilling Water Resistivity = 7.20 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 - 15	10	Clay kankar	
3.	15 - 25*	10	Fine to medium sand	Med to marginally
4.	25 - 30	5	Clay kankar	
5.	30 - 47*	17	Fine to medium sand & kan	Med to marginally
6.	47 - 52	5	Clay kankar	
7.	52 - 62	10	Fine sand	Saline
8.	62 - 90	28	Clay kankar	
9.	90 - 100	10	Fine sand	Saline



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 marginally saline.
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

Rho a

N 16(SN)
N 64 (LN)
LAT

Location:
Log No: V A-2003
Diameter: 100mm
Depth: 100m
Date: 13 Aug 2013
Time: 12:35
Observer: [Name]
Project: [Name]

Logger S No: IG/S/O2/22-23

Logger Model: SP

DHPL-2

Logger Owned by:

GROUND WATER SURVEY CONSULTANCY AGRA, UP, INDIA

