

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTOLOGGING REPORT**

Ref No:-A-1237

Date:- 31-07-2023

NAME OF SITE

● GRAM PANCHAYAT- Ghabra 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



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- GHABRA, BLOCK- GANJDUNDWARA, DISTT- KASGANJ
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 110 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 31.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 = 15.63 Ohms.

Drilling Water Resistivity = 16.87 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 - 12	7	Fine to Medium sand	
3.	12 - 16	4	Clay kankar	
4.	16 - 35	19	Medium sand	Medium
5.	35 - 45	10	Clay kankar	
6.	45 - 53*	8	Fine to Medium sand	Medium
7.	53 - 57	4	Clay kankar	
8.	57 - 62*	5	Fine to Medium sand	Medium
9.	62 - 110	48	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

E Rho a
 N16 (N)
 NS4(DN)
 LAT

Logging Details
 Type of Chart Book
 Part Number
 Date
 User
 Location
 Date
 Time
 User Name

Logger S No
 IGS/S09/21-22

E
 SP (m V)

Logger Model
 DMPL-2

Logger Owned by
 GROUND WATER SURVEY CONSULTANCY - AGRA INDIA

