

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-1605

Date:- 09-09-2023

NAME OF SITE

GRAM PANCHAYAT- Bhamon BLOCK- Kasganj 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- BHAMON, BLOCK- KASGANJ, DISTT- KASGANJ
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 100 mtrs. depth. and Logged depth 97 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 09.Sep.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:-

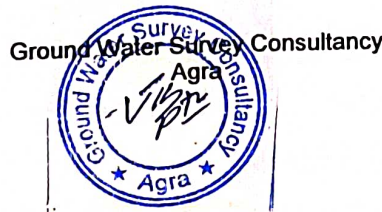
Mud Resistivity = 15.62 Ohms.

Drilling Water Resistivity = 16.59 Ohms.

Approx Water Level = 15 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Dry sand	
3.	15 - 25	10	Clay kankar	
4.	25 - 31	6	Medium sand	Medium
5.	31 - 36	5	Clay kankar	
6.	36 - 40*	4	Medium sand	Medium
7.	40 - 48	8	Clay kankar	
8.	48 - 55	7	Fine sand	Medium
9.	55 - 62	7	Clay kankar	
10.	62 - 67*	5	Medium sand	Medium
11.	67 - 72	5	Clay kankar	
12.	72 - 83*	11	Medium sand	Medium
13.	83 - 97	14	Clay kankar	

Note :- Please ensure pre-monsoon water level before lower the well assembly.



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 Rhos a
 N 16(SN)
 N 64 (LN)
 LAT

Location:
 1000 ft V Branch
 Econ. Mining Dam
 Mining
 Log No.
 U.S. LOGS No. 6
 Date 05 Dec 2023
 Time 12:55
 Operator:
 Udayan Gupta (US)
 Well Depth:

Logger S No.:
 IGS/S/01/21-22

E
 SP

Logger Model:
 DMPL-2

Logger Owned by:

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