

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-A-1837

Date:- 11-10-2023

NAME OF SITE

GRAM PANCHAYAT- Yadgarpur

BLOCK- Amanpur

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- YADAGARPUR, BLOCK- AMANPUR, DISTT- KASGANJ
UNDER
JAL JIVAN MISSION

Introduction

A Deep bore hole was drilled 100 mtrs. depth. and Logged depth 100 mtrs. at above site. Was drilled by M/S PNG-SPML-JV, Kasganj.

On the request of M/S PNG-SPML-JV, Kasganj. a Geophysical well Logging is conducted at above bore hole using IGB Well Logger on 10.Oct.2023.

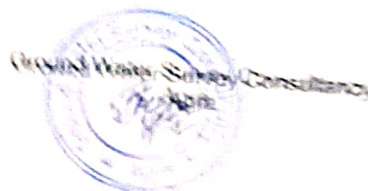
Logging Parameters = Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

Mud Resistivity = 15.20 Ohms.

Drilling Water Resistivity = 16.40 Ohms.

Approx Water Level = 2 Mtr.

Sl.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 8	3	Clay	
3.	8 - 19	11	Medium sand	Medium
4.	19 - 25	6	Clay kankar	
5.	25 - 32	7	Medium sand	Medium
6.	32 - 41	9	Clay kankar	
7.	41 - 46*	5	Medium sand	Medium
8.	46 - 50	4	Clay kankar	
9.	50 - 70*	20	Medium sand	Medium
10.	70 - 75	5	Clay kankar	
11.	75 - 83*	8	Medium sand	Medium
12.	83 - 100	17	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

Borehole No. 1
 N116 (SW)
 N34(110)
 LAT

Logging Details:
 Logging of Borehole No. 1
 Borehole No. 1
 Date: 11 Oct 2022
 09:53
 Location: Agia, AGA

Logger Name: ISS/S/O/21-22

Logger Model: SP (m V)

DAPL-2
 Logger Name: SP

GROUND WATER SURVEY CONSULTANCY AGIA, UP JARDA

