

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-1280

Date:- 04-08-2023

### NAME OF SITE

GRAM PANCHAYAT- Uncha Gaon

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- UNCHA GAON, 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 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 04.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 = 15.76 Ohms.

Drilling Water Resistivity = 16.50 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 - 19	14	Clay kankar	
3.	19 - 32	13	Medium sand	Medium
4.	32 - 36	4	Clay kankar	
5.	36 - 52*	18	Medium sand	Medium
6.	52 - 58	6	Clay kankar	
7.	58 - 78*	20	Medium sand	Medium
8.	78 - 100	22	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**



Bore 2  
 NT6 (SN)  
 NS41(LN)  
 LAT  
 Logging Details  
 Logging Of Bore Geop  
 Bore Number: 22  
 Date: 15/08/2022  
 15:35  
 Location: Gurgaon, Haryana  
 IGS/S/04/21-22  
 Logger S No:  
 Logger Model:  
 DMAPL-2  
 Logger Oriented by:  
**GROUND WATER SURVEY CONSULTANCY - AGRA INDIA**

