

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-A-1291

Date:- 06-08-2023

### NAME OF SITE

GRAM PANCHAYAT- Mohanpura

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.

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

(M) : 9412260823, 9794625420, 9761163000, Email : gwsc\_agra@yahoo.com

**ISO ; 9001 : 2015**

Ground Water Survey Consultancy  
Agra



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MOHANPURA, BLOCK- KASGANJ, 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 06.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 = 15.21 Ohms.

Drilling Water Resistivity = 16.33 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 - 11	6	Clay	
3.	11 - 17	6	Dry sand	
4.	17 - 37	20	Fine to Medium sand	
5.	37 - 45	8	Clay kankar	
6.	45 - 48	3	Fine sand	Medium
7.	48 - 58	10	Clay kankar	
8.	58 - 83*	25	Medium sand	Medium
9.	83 - 104	21	Clay kankar	
10.	104 - 108*	4	Fine to Medium sand	Medium
11.	108 - 110	2	Clay kankar	

Ground Water Survey Consultancy



### **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 tube well.
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**

Rno 1  
NITE (SN)  
MS4(UN)  
LAT

Location:  
Digging v. measurement  
Date: 02 Aug 2022  
Time: 17:25  
Observer:  
Amit Kumar Singh  
Vidya Debnath

Logger S1 No:  
IGIS/S/03/21-22

Logger Model:  
SP  
DMP-L-2

Logger Owned by:  
GROUND WATER  
SURVEY  
CONSULTANCY  
- AGRA INDIA

