

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-1408

Date:- 17-08-2023

### NAME OF SITE

GRAM PANCHAYAT- Pratappur

BLOCK- Patiyali

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



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- PRATAPPUR, BLOCK- PATIYALI,  
DISTT- KASGANJ  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 113 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 17.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 = 16.28 Ohms.

Drilling Water Resistivity = 17.74 Ohms.

Approx Water Level = 12 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay kankar	
3.	10 - 19	9	Medium sand	
4.	19 - 26	7	Clay kankar	
5.	26 - 34	8	Medium sand	Medium
6.	34 - 45	11	Clay kankar	
7.	45 - 55*	10	Medium sand	Medium
8.	55 - 76	21	Clay kankar	
9.	76 - 81*	5	Fine to Medium sand	Medium
10.	81 - 92	11	Clay kankar	
11.	92 - 96*	4	Fine to Medium sand	Medium
12.	96 - 108	12	Clay kankar	
13.	108 - 110	2	Sandy clay	

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 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**



No. 1  
 N 164 (N)  
 N 64 (N)  
 LAT

Location:  
 Logging Co. Private Ltd.  
 Road No. 10, Durgam  
 Chauraha, Lucknow  
 U.P., INDIA  
 Date: 17 Aug 2003  
 Time: 12.55  
 Operator:  
 Anand Kumar (AG)  
 Well Depth:

Log No.:  
 ICS/02/22-23

Logge Model:  
 SP

DMR-2

Logge Owned by:  
 GROUND WATER  
 SURVEY  
 CONSULTANCY  
 AGRA, U.P., INDIA

