

**GROUND WATER SURVEY CONSULTANCY**  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:-A-2459

Date:- 02-01-2024

**NAME OF SITE**

GRAM PANCHAYAT- Damari

BLOCK- Sidhpura

DISTT- Kasganj

**NAME OF AGENCY**

M/s PNC-SPML-JV  
Kasganj

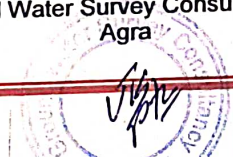


**GROUND WATER SURVEY CONSULTANCY**

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- DAMARI, BLOCK- SIDHPURA, 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 is conduct at above bore hole using IGIS Well Logger on 02.Jan.2024.

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 = 14.39 Ohms.

Drilling Water Resistivity = 15.48 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 - 6	1	Dry sand	
3.	6 - 17	11	Clay kankar	
4.	17 - 20	3	Fine sand	Medium
5.	20 - 28	8	Clay kankar	
6.	28 - 32	4	Fine sand	Medium
7.	32 - 44	12	Clay kankar	
8.	44 - 66*	22	Medium sand	Medium
9.	66 - 75	9	Clay kankar	
10.	75 - 83*	8	Fine to Medium sand	Medium
11.	83 - 97	14	Clay kankar	
12.	97 - 104*	7	Fine to Medium sand	Medium
13.	104 - 110	6	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 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.





