

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-B-2942

Date:- 20-01-2024

### NAME OF SITE

GRAM PANCHAYAT- Ramnagra

BLOCK- Gilaula

DISTT- Shravasti

### NAME OF AGENCY

M/s Sundaram Construction  
Shravasti



## GROUND WATER SURVEY CONSULTANCY

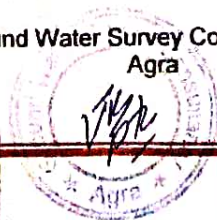
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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- RAMNAGRA, BLOCK- GILAULA, DISTT- SHRAVASTI  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth 165 mtrs. at above site. Was drilled by M/s Sundaram Construction, Shravasti.

On the request of M/s Sundaram Construction, Shravasti. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 20.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 = 28.63 Ohms.

Drilling Water Resistivity = 38.39 Ohms.

Approx Water Level = 3 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 9	4	Clay kankar	
3.	9 - 15	6	Fine sand	
4.	15 - 24	9	Clay kankar	
5.	24 - 40	16	Medium sand	Good
6.	40 - 47	7	Clay kankar	
7.	47 - 53*	6	Medium sand	Good
8.	53 - 75	22	Clay kankar	
9.	75 - 101*	26	Medium sand	Good
10.	101 - 110	9	Clay kankar	
11.	110 - 129*	19	Medium sand & kankar	Good
12.	129 - 136	7	Clay kankar	
13.	136 - 144*	8	Medium sand	Good
14.	144 - 157	13	Clay kankar	
15.	157 - 160*	3	Fine to Medium sand	Good
16.	160 - 165	5	Clay kankar	

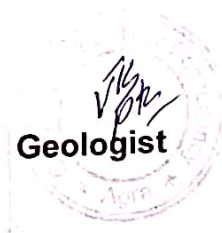
Ground Water Survey Consultancy

Agra



### **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 Good.
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.

  
The stamp is circular with a double-line border. Inside the inner circle, there is a handwritten signature in black ink. Below the signature, the word "Geologist" is printed in a bold, sans-serif font. The outer ring of the stamp contains some faint, illegible text, possibly a registration number or institutional name.

**Geologist**

Rho a  
 N 16(SN)  
 N 64 (LN)  
 LAT

Location  
 Logging of Borehole  
 Bore Hole No.  
 Date  
 Time  
 Operator  
 University Station No.  
 Well Depth

Log No. 5 No.  
 KGS/MD/22-23

SP  
 Log No. 2  
 DMR-2  
 Log No. 2  
 Ground Water  
 Survey  
 Consultancy  
 AGRA UP, INDIA

