

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-A-2397

Date:- 21-12-2023

NAME OF SITE

GRAM PANCHAYAT- Garhiya

BLOCK- Saurikh

DISTT- Kannauj

NAME OF AGENCY

M/s G.V.P.R. Engineering Ltd.
Hyderabad

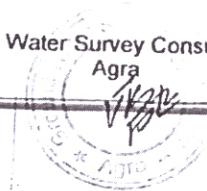


GROUND WATER SURVEY CONSULTANCY
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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- GARHIYA, BLOCK- SAURIKH, DISTT- AURAIYA UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 200 mtrs. depth. and Logged depth 183 mtrs. at above site. Was drilled by M/s G.V.P.R. Engineering Ltd., Hyderabad.

On the request of M/s G.V.P.R. Engineering Ltd., Hyderabad. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 21.Dec.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 = 14.20 Ohms.

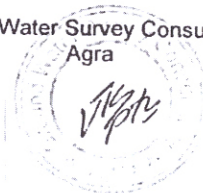
Drilling Water Resistivity = 15.29 Ohms.

Approx Water Level = 18 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 18	13	Dry sand	
3.	18 - 25	7	Clay kankar	
4.	25 - 30 -	5	Medium sand	Good
5.	30 - 35	5	Clay kankar	
6.	35 - 38 -	3	Medium sand	Good
7.	38 - 45	7	Clay kankar	
8.	45 - 49* -	4	Medium sand	Good ✓
9.	49 - 80	31	Clay kankar	
10.	80 - 85* -	5	Medium sand	Good ✓
11.	85 - 105	20	Clay kankar	
12.	105 - 110* -	5	Fine to medium sand	Good ✓
13.	110 - 139	29	Clay kankar	
14.	139 - 150* -	11	Medium sand	Good
15.	150 - 183 -	33	Clay kankar	

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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.



Geologist

Rho a
 N16 (SN)
 N14(LN)
 LAT

Logging Details
 572 75 347 4 2000
 184 00 2 10 00 00
 05 10 00 00 00
 21 24 27 11
 21 21
 21 21

Logger S No
 1035/S/03/21-22

Logger Model
 DMPL-2

Logger Owned by
 GROUND WATER
 SURVEY
 CONSULTANCY
 - AGRA INDIA

