

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:- B-100

Date:- 15-04-2023

NAME OF SITE

GRAM PANCHAYAT- Gulampur

BLOCK- Gangeshwari

DISTT- Amroha

NAME OF AGENCY

M/s PNC-SPML-JV
Amroha



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- GULAMPUR, BLOCK- GANGESHWARI, DISTT- AMROHA UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 120 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Amroha.

On the request of M/S PNC-SPML-JV, Amroha. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 15.April.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:-

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Sandy clay	
3.	15 - 23	8	Fine sand	
4.	23 - 26	3	Clay kankar	
5.	26 - 38	12	Fine to Medium sand	Medium
6.	38 - 50	12	Clay kankar	
7.	50 - 78*	28	Medium sand & kankar	Medium
8.	78 - 80	12	Clay kankar	
9.	80 - 85	5	Fine sand	Medium
10.	85 - 90	5	Clay kankar	
11.	90 - 105*	15	Fine to Medium sand	Medium
12.	105 - 112	7	Clay kankar	
13.	112 - 115	3	Fine to Medium sand	Medium
14.	115 - 120	5	Clay kankar	



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

Rho a
 M16 (SN)
 N64(LN)
 LAT

Logging Details
 Logging by: Gaurav Kumar
 Department: Civil Engineering
 Date: 15 Apr 2023
 Time: 22:42
 Location: Ganga (GT)

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

Logger Model
 DMPL-2

Logger Owned by
 GROUND WATER
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 - AGRA INDIA

