

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Date:- 05-02-2023

Ref No:-A-101

NAME OF SITE

GRAM PANCHAYAT- Kharagrani BLOCK- Gangeshwari DISTT- Amroha

NAME OF AGENCY

M/s PNC-SPML-JV
Moradabad
22, CAMAC STREET, BLOCK-A, 3rd FLOOR, KOLKATA-700016



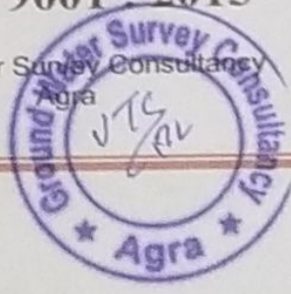
GROUND WATER SURVEY CONSULTANCY

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

Introduction :

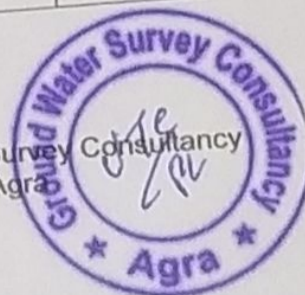
A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Moradabad.

On the request of M/S PNC-SPML-JV, Moradabad. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 05.Feb.2023.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral
Details of major equifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

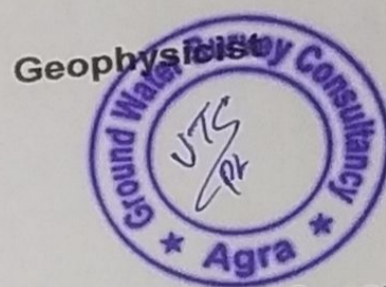
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 17	12	Dry sand	
3.	17 - 25	8	Clay kankar	
4.	25 - 31	6	Fine sand	Good
5.	31 - 43	12	Fine to Medium sand	
6.	43 - 57	14	Clay kankar (1)	Good
7.	57 - 68*	11	Fine to Medium sand	
8.	68 - 77	9	Clay kankar (2)	Good
9.	77 - 87*	10	Fine to Medium sand	Good
10.	87 - 100	13	Medium sand & kankar	
11.	100 - 117	17	Kankar	
12.	117 - 127*	10	Fine to Medium sand	Good
13.	127 - 140	13	Clay kankar (3)	

Ground Water Survey Consultancy
Agra



Conclusions and Recommendations :-

1. The Lithology broadly tallies with that of drill cutting starta chart.
2. The zones marked with asterisk (*) appear to be aquifer zones for possible development of tubewell.
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.



Ground Water Survey Consultancy

Station
 N 182 (N)
 N 84 (N)
 LAT

Date
 Time
 Operator
 Instrument
 No. of Observations

