

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-A- 1323

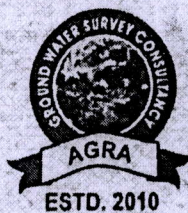
Date:- 09-08-2023

NAME OF SITE

GRAM PANCHAYAT- Ismailpur BLOCK- Kadar Chowk DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



GROUND WATER SURVEY CONSULTANCY.

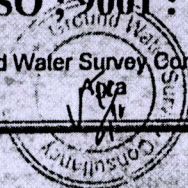
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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- ISMAILPUR, BLOCK- KADAR CHOWK,
DISTT- BADAUN

UNDER
JAL JIVAN MISSION

Introduction :

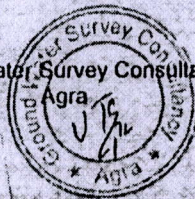
A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 130 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

On the request of M/S PNC-SPML-JV, Badaun. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 09.Aug.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 - 17	12	Dry sand	
3.	17 - 34	7	Clay kankar	
4.	34 - 49	15	Medium sand	Medium
5.	49 - 51	2	Clay kankar	
6.	51 - 68*	17	Medium sand	Medium
7.	68 - 71	3	Clay kankar	
8.	71 - 85*	14	Medium sand	Medium
9.	85 - 100	15	Clay kankar	
10.	100 - 107*	7	Fine to Medium sand	Medium
11.	107 - 111	4	Clay kankar	
12.	111 - 124*	13	Medium sand	Medium
13.	124 - 130	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.

Geophysicist



Ground Water Survey Consultancy

No. 1
 N16 SW
 N54/00 W
 LAT

Section Details
 Section No. and Part No.
 Date of Survey
 Name of Surveyor
 Name of Station

Scale: 5 m
 S.S. P.V. 21-22

S (m V)
 D.M.P. 2
 Ground Water
 Survey
 Consultancy
 - AGRA, INDIA

