

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTOLOGGING REPORT**

Ref No:-B-1731

Date:- 17-09-2023

NAME OF SITE

GRAM PANCHAYAT- Ibrahimpur Ghadi BLOCK- Sahaswan DISTT- Badaun

NAME OF AGENCY

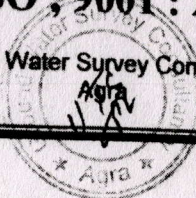
M/s PNC-SPML-JV
Badaun



GROUND WATER SURVEY CONSULTANCY
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.
112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006
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ISO : 9001 : 2015

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- IBRAHIMPUR GHADI, BLOCK- SAHASWAN, DISTT- BADAUN
UNDER
JAL JIVAN MISSION

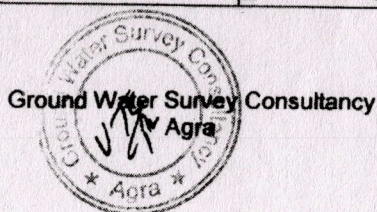
Introduction :

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, 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 17.Sep.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 - 12	7	Dry sand	
3.	12 - 19	7	Clay kankar	
4.	19 - 24	5	Fine sand	
5.	24 - 34	10	Clay kankar	
6.	34 - 45	11	Fine to Medium sand	Med to Good
7.	45 - 60	15	Clay kankar	
8.	60 - 80*	20	Fine to Med sand & kan	Med to Good
9.	80 - 88	8	Clay kankar	
10.	88 - 105*	17	Medium sand & kankar	Med to Good
11.	105 - 118	13	Clay kankar	
12.	118 - 125*	7	Medium sand	Med to Good
13.	125 - 128	3	Clay kankar	
14.	128 - 132	4	Fine sand	Med to Good
15.	132 - 140	8	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 to 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.

Geophysicist



Ground Water Survey Consultancy



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GEOPHYSICAL ELECTRICAL WELL LOGGING FIELD REPORT

DETAIL OF WATER BEARING ZONES

Name Of Agency..... P.M. Badayun..... A.C. Infotech.....
 Village Ikarahira pura, Inbadi Block..... Sakrawan.....
 District..... Badayun..... Logging Depth..... 140 mtr.....
 Drilling Depth..... 140 mtr..... Water Level..... 15 mtr.....

S.No	Depth in Mtr.	Lithology	Expected Water Quality
1	0 - 5	Surface Soil	
2	5 - 12	Dry Sand	
3	12 - 19	clay Kankar	
4	19 - 24	Fine Sand	
5	24 - 34	clay Kankar	
6	34 - 45	Fine to med. Sand	med. to good
7	45 - 60	clay Kankar	
8	60 - 80*	Fine to med. Sand & Kankar	med. to good
9	80 - 88	clay Kankar	
10	88 - 105*	medium Sand & Kankar	med. to good
11	105 - 118	clay Kankar	
12	118 - 125*	medium Sand	med. to good
13	125 - 128	clay Kankar	
14	128 - 132	Fine Sand	med. to good
15	132 - 140	clay Kankar	
16			
17			
18			
19			
20			
21			
22			
23			

* Expected Water Bearing Zone

For Ground Water Survey Consultancy

V/S
Geophysicist

Specializations In

Electric Well Logging, Geophysical Survey, Resistivity Survey, Rainwater Harvesting,
 Construction of Recharge Well, Rectification of Tubewells, Ground Water Investigations.