

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTOLOGGING REPORT

Ref No:-A- 559

Date:- 28-03-2023

NAME OF SITE

GRAM PANCHAYAT- Kunwarpur BLOCK- Islamnagar DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



GROUND WATER SURVEY CONSULTANCY
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.
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ISO : 9001 : 2015

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KUNWARPUR, BLOCK- ISLAMNAGAR, DISTT.- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 110 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 28 Mar. 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	Dry sand	
3.	15 - 22	7	Clay kankar	
4.	22 - 27	5	Fine sand	
5.	27 - 33	6	Clay kankar	
6.	33 - 56	23	Medium sand	Good
7.	56 - 59	3	Clay kankar	
8.	59 - 67*	8	Medium sand	Good
9.	67 - 73	6	Clay kankar	
10.	73 - 83*	10	Fine to Medium sand	Good
11.	83 - 86	3	Clay kankar	
12.	86 - 101*	15	Medium sand & kankar	Good
13.	101 - 110	9	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 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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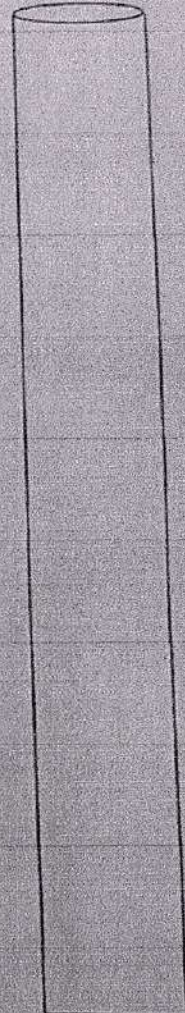
Date 28-03-2023

GEOPHYSICAL ELECTRICAL WELL LOGGING FIELD REPORT

DETAIL OF WATER BEARING ZONES

Name Of Agency..... M/S. Infotech. Ltd. Budann..... Alhaj. Husain. and. Company
 Village..... Kunwarpur..... Block..... Islamnagar.....
 District..... Budann..... Logging Depth..... 10. mtr.....
 Drilling Depth..... 110. mtr..... Water Level..... 21. mtr.....

S.No	Depth in Mtr.	Lithology	Expected Water Quality
1	0 - 5	Surface Soil	
2	5 - 15	Dry Sand	
3	15 - 22	clay Kanjar	
4	22 - 27	Fine Sand	
5	27 - 33	clay Kanjar	
6	33 - 56	medium Sand	Good
7	56 - 59	clay Kanjar	
8	59 - 67*	medium Sand	Good
9	67 - 73	clay Kanjar	
10	73 - 83*	Fine to med Sand	Good
11	83 - 86	clay Kanjar	
12	86 - 101*	medium Sand & Kan	Good
13	101 - 110	clay Kanjar	
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			



* Expected Water Bearing Zone

For Ground Water Survey Consultancy

J.K.P.
 Geophysicist

Specializations In

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

