

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTOLOGGING REPORT**

Ref No:- 1093

Date:- 21-10-2022

NAME OF SITE

Gram Panchayat- Bhusaya BLOCK- Islamnagar DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



GROUND WATER SURVEY CONSULTANCY

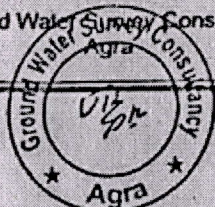
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BHUSAYA, BLOCK- ISLANAGAR, DISTT.- BADAUN
UNDER
JAL JIVAN MISSION

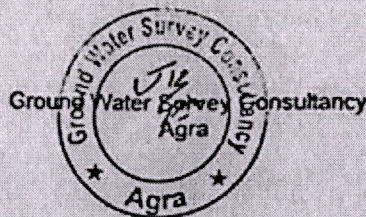
Introduction :

A Deep bore hole was drilled 125 mtrs. depth. and Logged depth 120 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 21.Oct.2022.

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:-

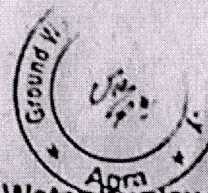
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 18	13	Dry sand	
3.	18 - 25	7	Fine sand	
4.	25 - 36	11	Clay kankar	
5.	36 - 55*	19	Medium sand & Kankar	Good
6.	55 - 69	14	Clay kankar	
7.	69 - 80*	11	Medium sand	Good
8.	80 - 87	7	Clay kankar	
9.	87 - 95*	8	Fine to Medium sand	Good
10.	95 - 107	12	Sandy clay	
11.	107 - 115	8	Fine sand	
12.	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 tube well.
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

No. 1
 N16S0
 M64 LN
 LAT

Location
 Logging Co
 Shauria Erock
 Islamabad Cantt
 Eudun
 Log No.
 LOGS/10/01
 Date
 21 Oct 2000
 Time
 01.44
 Operator
 Mansoor Qureshi
 Well Depth

SP

