

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:- 654

Date:- 09-01-2023

NAME OF SITE

Gram Panchayat- Koda Gujar

BLOCK- Mion

DISTT- Budaun

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



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KODA GUJAR, BLOCK- MION, DISTT.- BUDAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 118 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 above bore hole using IGIS Well Logger on 09.Jan.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	Fine sand	
3.	15 - 20	5	Clay	
4.	20 - 38	18	Medium sand	Medium
5.	38 - 62	24	Clay kankar	
6.	62 - 70*	8	Medium sand	Medium
7.	70 - 73	3	Clay kankar	
8.	73 - 81*	8	Medium sand	Medium
9.	81 - 86	5	Clay kankar	
10.	86 - 89*	3	Fine to Medium sand	Medium
11.	89 - 95	6	Clay kankar	
12.	95 - 102*	7	Medium sand	Medium
13.	102 - 105	3	Sandy clay	
14.	105 - 118	13	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.
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

Area 1
 NITE (SN)
 NAGLTI
 LAT

SP (m V)

