

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTOLOGGING REPORT

Ref No:-A-125

Date:- 06-02-2023

NAME OF SITE

Gram Panchayat- Chitora Dinora

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.
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- CHITORA DINORA, BLOCK- MION, DISTT- BUDAUN UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 136 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 06.Feb.2023.

Logging Parameters - 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	Clay kankar	
3.	12 - 20	8	Dry sand	
4.	20 - 30	10	Fine sand	
5.	30 - 37	7	Clay kankar	
6.	37 - 43	6	Fine to Medium sand	Good
7.	43 - 56	14	Clay kankar	
8.	56 - 82*	26	Fine to Medium sand	Good
9.	82 - 85	3	Clay kankar	
10.	85 - 93*	8	Medium sand	Good
11.	93 - 101	8	Clay kankar	
12.	101 - 111*	10	Medium sand	Good
13.	111 - 122	11	Clay kankar	
14.	122 - 126	4	Sand & kankar	Good
15.	126 - 136	10	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.



Ground Water Survey Consultancy

No. 116 (S)F
 NEALIN
 LAT

Y. G. & D. P. 116
 U. S. Geological Survey
 CONTRACT NO. 116-111
 3-11-58

SP (m V)

