

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-B-1062

Date:-22-06-2023

NAME OF SITE

GRAM PANCHAYAT- Agesi Diyorara BLOCK- Mion 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

(M) : 9412260823, 9794625420, 9761163000, Email : gwsc_agra@yahoo.com

ISO ; 9001 : 2015

Ground Water Survey Consultancy
Agra

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- AGESI DIYORARA, BLOCK- MION, 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 in the above bore hole using IGIS Well Logger on 22.June.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 - 8	3	Dry sand	
3.	8 - 14	6	Fine sand	
4.	14 - 30	16	Clay kankar	
5.	30 - 52	22	Medium sand	Good
6.	52 - 59	7	Clay kankar	
7.	59 - 66*	7	Fine to Medium sand	Good
8.	66 - 80	14	Clay kankar	
9.	80 - 87*	7	Fine to Medium sand	Good
10.	87 - 96	9	Clay kankar	
11.	96 - 122*	26	Medium sand & kankar	Good
12.	122 - 130	8	Clay kankar	
13.	130 - 136*	6	Fine to Medium sand	Good
14.	136 - 140	4	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

(i)
Sp
N/S OR
N/S OR
LAT

Applying Details
21.10
18.5.21
18.11

Logger ID No
IGSS/S/21-22

(ii)
SP (mV)

Logger Model
DMPL-2
Logger Owned by
GROUND WATER
SURVEY
CONSULTANCY
AGRA, IP, India

