

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-2214

Date:- 21-11-2023

NAME OF SITE

GRAM PANCHAYAT- Malpur Tatera

BLOCK- Dahagawan

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



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MALPUR TATERA, BLOCK- DAHAGAWAN, DISTT- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 133 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.Nov.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	Clay kankar	
3.	15 - 27	12	Medium sand	Medium
4.	27 - 41	14	Clay kankar	
5.	41 - 63*	22	Medium sand	Medium
6.	63 - 75	12	Clay kankar	
7.	75 - 88*	13	Medium sand	Medium
8.	88 - 97	9	Clay kankar	
9.	97 - 110*	13	Medium sand	Medium
10.	110 - 115	5	Clay kankar	
11.	115 - 124	9	Fine sand	Med to Marg
12.	124 - 133	9	Clay kankar	

Ground Water Survey Consultancy



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 to Marginally.
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

Rho a
 N 16(SN)
 N 64 (LN)
 LAT

Location :
 Logging GP Nagar
 Tehsil Siddh Chaganer
 Dist Buland
 Log No :
 UP LOGS/NSUP
 Date : 21 Nov 2023
 Time : 14:59
 Observer :
 Ushara Gupta (AG)
 Well Depth :

Logger S No :
 (GIS/S/02/22-23)

Logger Model :
 SP

DMP.L-2
 Logger Owned by :
 GROUND WATER
 SURVEY
 CONSULTANCY
 AGRA, UP, INDIA

