

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-B-2062

Date:- 15-10-2023

### NAME OF SITE

GRAM PANCHAYAT- Dhobar Khera Urf Usmanpur  
DISTT- Badaun

BLOCK- Dahagawan

### 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**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- DHOBAR KHERA URF USMANPUR, BLOCK- DAHAGAWAN,  
DISTT- BADAUN

## UNDER JAL JIVAN MISSION

### Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 130 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 15.Oct.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 - 10	5	Clay kankar	
3.	10 - 15	5	Fine sand	
4.	15 - 21	6	Clay kankar	
5.	21 - 33	12	Fine to Medium sand	Med to Good
6.	33 - 42	9	Clay kankar	
7.	42 - 52*	10	Medium sand	Med to Good
8.	52 - 62	10	Clay kankar	
9.	62 - 70*	8	Fine to Medium sand	Med to Good
10.	70 - 76	6	Clay kankar	
11.	76 - 90*	14	Medium sand	Med to Good
12.	90 - 95	5	Kankar	
13.	95 - 112*	17	Medium sand	Med to Good
14.	112 - 130	18	Clay kankar	

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**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 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**

Rho a  
 NI6 (SN)  
 NS64(LN)  
 LAT

Logging Details:  
 Logging vi danda sock  
 daragwan di t basan  
 UP LOGGING  
 15 Oct 2023  
 04.14  
 ushara gupta (vishal)

Logger SI No:  
 IGS/S/04/21-22

Logger Model:  
 DMP-L-2

Logger Owned by:  
 GROUND WATER  
 SURVEY  
 CONSULTANCY  
 - AGRA INDIA

SP (m V)

