

GROUND WATER SURVEY CONSULTANCY  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT

Ref No:- A-359

Date:- 27-02-2023

NAME OF SITE

Gram Panchayat- Dhamrampur Pideriya BLOCK- Jalalabad DISTT- Shahjahanpur

NAME OF AGENCY

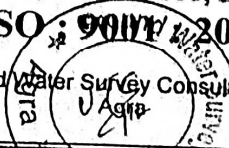
M/s NCC Ltd.  
Shahjahanpur



GROUND WATER SURVEY CONSULTANCY  
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ISO: 9001:2015

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- DHAMRAMPUR PIDERIYA, BLOCK- JALALABAD,  
DISTT- SHAHJAHANPUR  
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 NCC Ltd., Shahjahanpur.

On the request of M/S NCC Ltd., Shahjahanpur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 27.Feb.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 - 22	17	Fine sand	
3.	22 - 27	5	Clay kankar	
4.	27 - 40	13	Medium sand	Medium
5.	40 - 53	13	Clay kankar	
6.	53 - 63*	10	Medium sand	Medium
7.	63 - 67	4	Clay kankar	
8.	67 - 78*	11	Medium sand	Medium
9.	78 - 88	10	Clay kankar	
10.	88 - 97*	9	Medium sand & kankar	Medium
11.	97 - 105	8	Clay kankar	
12.	105 - 130*	25	Medium sand	Medium
13.	130 - 133	3	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.



**Ground Water Survey Consultancy**

Rio 2  
N16 (SN)  
N64 (LV)  
LAT

Logging VI  
Dharampur Piderija  
block, Jalalabad distt  
Sahajhpur  
LOGGINGUP  
27 Feb 2013  
22:58  
ulharsh Gupta  
(amind)

SP (mV)

