

Phase - II	521/ED/PHASE-2/2022-23/XI, 46 GP	East	Sindhavli	Murtia No.
Phase - II	282/ED/PHASE-2/2022-23/VI, 67 GP	West	Jalalahad	
Phase - III	554/ED/PHASE-3/2022-23/V, 14 GP			
Phase - II	670/ED/Phase-2/2022-23/...			

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Date:- 05-10-2023

Ref No:-B-1934

### NAME OF SITE

GRAM PANCHAYAT- Mukeempur BLOCK- Powayan DISTT- Shahjahanpur

### NAME OF AGENCY

M/s NCC Ltd.  
Shahjahanpur



## 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- MUKEEMPUR, BLOCK- POWAYAN, DISTT- SHAHJAHANPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 120 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 05.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 - 20	10	Fine to Medium sand	
4.	20 - 25	5	Clay kankar	
5.	25 - 36	11	Medium sand	Med to Good
6.	36 - 42	6	Clay kankar	
7.	42 - 50*	8	Medium sand	Med to Good
8.	50 - 54	4	Clay kankar	
9.	54 - 65*	11	Medium sand	Med to Good
10.	65 - 72	7	Clay kankar	
11.	72 - 76	4	Fine sand	Med to Good
12.	76 - 81	5	Clay kankar	
13.	81 - 112*	31	Medium sand	Med to Good
14.	112 - 120	8	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 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**

