

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTOLOGGING REPORT

Ref No:-B-1506

Date:- 12-08-2023

NAME OF SITE

GRAM PANCHAYAT- Bhilawa

BLOCK- Powayan

DISTT- Shahjahanpur

NAME OF AGENCY

M/s NCC Ltd.
Shahjahanpur



GROUND WATER SURVEY CONSULTANCY

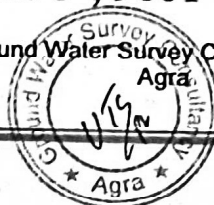
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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
Agra



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BHILAWA, BLOCK- POWAYAN,
DISTT- SHAHJAHANPUR
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 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 12.Aug.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	Fine sand	
3.	8 - 10	2	Clay kankar	
4.	10 - 22	12	Fine to Medium sand	Med to Good
5.	22 - 30	8	Clay kankar	
6.	30 - 37	7	Fine to Medium sand	Med to Good
7.	37 - 46	9	Clay kankar	
8.	46 - 56*	10	Medium sand	Med to Good
9.	56 - 60	4	Clay kankar	
10.	60 - 67*	7	Medium sand	Med to Good
11.	67 - 72	5	Clay kankar	
12.	72 - 81*	9	Medium sand	Med to Good
13.	81 - 95	14	Clay kankar	
14.	95 - 120*	25	Medium sand	Med to Good
15.	120 - 125	5	Clay kankar	
16.	125 - 140*	15	Medium sand	Med to Good



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

Rno a
 N16 SX
 N64 Q10
 LAT

Logging Details
 150 m x 100 mm SPT
 100 mm dia. SPT
 100 mm dia. SPT
 100 mm dia. SPT
 100 mm dia. SPT
 100 mm dia. SPT

Logger's No:
 IGS/50/21-22
 IGS/50/21-22
 IGS/50/21-22
 IGS/50/21-22
 IGS/50/21-22

SP (mV)
 DMP-2
 Logger Owned by:
 GROUND WATER
 SURVEY
 CONSULTANCY
 AGRA, UP, India

