

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:-B- 689

Date:- 29-05-2023

NAME OF SITE

GRAM PANCHAYAT- Islamganj

BLOCK- Jalalabad

DISTT- Shahjahanpur

NAME OF AGENCY

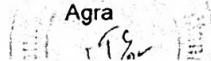
M/s NCC Ltd.
Shahjahanpur



GROUND WATER SURVEY CONSULTANCY
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.
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ISO ; 9001 : 2015

Ground Water Survey Consultancy
Agra



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- ISLAMGANJ, BLOCK- JALALABAD,
DISTT- SHAHJAHANPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 160 mtrs. depth. and Logged depth 160 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 29.May.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	Clay kankar	
3.	8 - 13	5	Fine sand	
4.	13 - 20	7	Clay kankar	
5.	20 - 41	21	Medium sand	Good
6.	41 - 55	14	Clay kankar	
7.	55 - 61*	6	Fine to Medium sand	Good
8.	61 - 65	4	Clay kankar	
9.	65 - 70*	5	Fine to Medium sand	Good
10.	70 - 89	19	Clay kankar	
11.	89 - 95*	6	Fine to Medium sand	Good
12.	95 - 100	5	Clay kankar	
13.	100 - 113*	13	Medium sand	Good
14.	113 - 117	4	Clay kankar	
15.	117 - 127	10	Sand & kankar	Medium
16.	127 - 136	9	Clay kankar	
17.	136 - 145*	9	Fine to Medium sand	Medium
18.	145 - 160	15	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 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

Area
N16 (SN)
N84 (LN)
LAT

Logging Device

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Logger Site
ICSS/S/02/22-23

SP (m V)

Logger Model
DAEPI-2

Logger Name No

GROUND WATER
SURVEY
CONSTANCY
AGRA, UP, INDIA

