

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:- N-1494

Date:- 16-03-2023

NAME OF SITE

Gram Panchayat- Gulla Sattri

BLOCK- Kalan

DISTT- Shahjahanpur

NAME OF AGENCY

M/s NCC Ltd.
Shahjahanpur



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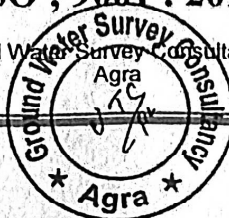
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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- MIGHAUL, BLOCK- JALALABAD, DISTT- SHAHJAHANPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 125 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 20.Mar.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 - 13	8	Sandy clay	
3.	13 - 20	7	Fine sand	
4.	20 - 24	4	Clay kankar	
5.	24 - 30	6	Fine to Medium sand	Good
6.	30 - 35	5	Clay kankar	
7.	35 - 40	5	Fine to Medium sand	Good
8.	40 - 50	10	Clay kankar	
9.	50 - 62*	12	Fine to Medium sand	Good
10.	62 - 67	5	Clay kankar	
11.	67 - 76	9	Sand & kankar	
12.	76 - 80	4	Clay kankar	
13.	80 - 87	7	Kankar	
14.	87 - 90	3	Clay kankar	
15.	90 - 106*	16	Medium sand	Good
16.	106 - 108	2	Clay kankar	
17.	108 - 118*	10	Medium sand & kankar	Good
18.	118 - 120	2	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 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

Rhos
 N16 (SN)
 NS4(QN)
 LAT
 Logging Details:
 SPT 97.5 - 3 1st - 3004
 1000 1000 1000 1000
 UP: CGS 316
 18 May 2003
 17.2E
 4000'

Logset LNo:
 IGIS/01/10-11

Logset Over by:
 DMPL-2
 GROUND WATER
 SURVEY
 CONSULTANCY
 - AGRA INDIA

