

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-B-2912

Date:- 13-01-2024

NAME OF SITE

GRAM PANCHAYAT- Sindhali BLOCK- Sindhali DISTT- Shahjahanpur

NAME OF AGENCY

M/s NCC Ltd.
Shahjahanpur



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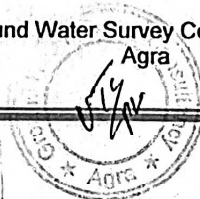
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

(M) : 9412260823, 9794625420, 9761163000, Email : gwsc_agra@yahoo.com

ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SINDHAULI, BLOCK- SINDHAULI, DISTT- SHAHJAHANPUR
UNDER
JAL JIVAN MISSION

Introduction :

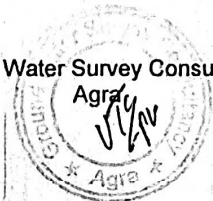
A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 mtrs. at above site. Was drilled by M/S NCC Ltd., Shahjahanpur.

On the request of M/S NCC Ltd., Shahjahanpur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 13.Jan.2024.

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 - 34	29	Clay kankar	
3.	34 - 55	21	Medium sand	Medium
4.	55 - 76	21	Clay kankar	
5.	76 - 85*	9	Fine to Med sand & kan	Medium
6.	85 - 90	5	Clay kankar	
7.	90 - 96*	6	Fine to Medium sand	Medium
8.	96 - 108	12	Clay kankar	
9.	108 - 115*	7	Fine to Medium sand	Medium
10.	115 - 121	6	Clay kankar	
11.	121 - 130*	9	Medium sand	Medium
12.	130 - 140	10	Clay kankar	

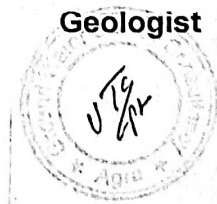
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Conclusions and Recommendations :-

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.

Geologist



Rho a

NIGSN
 N64 (N)
 LAT

Location:
 Logging V/S: Sardauli
 Block: Sardauli/Dth-
 Sardauli/Drth-
 Log No.:
 UP/LOGNG/Agp
 Date: 13 Jan 2024
 Time: 17:17
 Operator:
 Umapr Gupta (GS)
 Well Depth:

Logger SI No.:
 IGIS/NO2/22-23

Logger Model:
 SP

Logger Owned by:
 DMAP-2

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