

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- 536

Date:- 02-03-2022

NAME OF SITE

GRAM PANCHAYAT- Nahil Khas BLOCK- Powayan DISTT- Shahjanhapur

NAME OF AGENCY

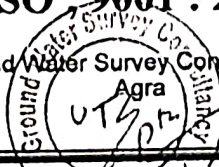
M/s NCC Ltd.
Shahjanhapur



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

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- NAHIL KHAS, BLOCK- POWAYAN
DISTT- SHAHJANHAPUR
UNDER
JAL JIVAN MISSION

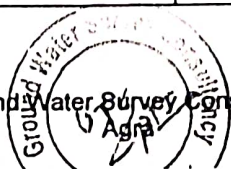
Introduction :

A Deep bore hole was drilled 155 mtrs. depth. and Logged depth 154 mtrs. at above site. Was drilled by M/S NCC Ltd., Shahajanapur.

On the request of M/S NCC Ltd., Shahajanapur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 02.Mar.2022.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major equifer 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 - 24	19	Sand & Kankar	
3.	24 - 27	3	Clay kankar	
4.	27 - 36	9	Fine to Medium sand	Good
5.	36 - 46	10	Clay kankar	
6.	46 - 55*	9	Medium sand	Good
7.	55 - 57	2	Clay kankar	
8.	57 - 80*	23	Medium sand	Good
9.	80 - 85	5	Clay kankar	
10.	85 - 116*	31	Medium sand	Good
11.	116 - 120	4	Clay kankar	
12.	120 - 148*	28	Medium sand	Good
13.	148 - 154	6	Clay kankar	



Conclusions and Recommendations :-

1. The Lithology broadly tallies with that of drill cutting starta 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. Expected discharge is 1000 to 1100 L.P.M.
5. 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.
6. 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

Logging VI 11ahli
 khas Block Powayan
 Distt Shahjahanpur
 LOGGILGUP
 02 Feb 2022
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 Ull: arsh Gupta (AG)

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 N16 (SN)
 N64(LN)
 LAT

SP (mV)

