

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:- 575

Date:- 05-03-2022

NAME OF SITE

GRAM PANCHAYAT- Gangai BLOCK- Powayan DISTT- Shahjanhapur

NAME OF AGENCY

M/s NCC Ltd.
Shahjanhapur



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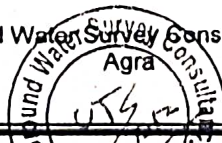
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

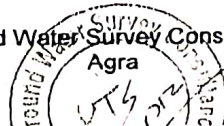
A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 mtrs. at above site. Was drilled by M/S NCC Ltd., Shahajanhapur.

On the request of M/S NCC Ltd., Shahajanhapur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 05.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 - 12	7	Dry sand	
3.	12 - 15	3	Clay kankar	
4.	15 - 25	10	Fine to Medium sand	
5.	25 - 28	3	Clay kankar	
6.	28 - 40	12	Medium sand	Good
7.	40 - 42	2	Clay kankar	
8.	42 - 55*	13	Medium sand	Good
9.	55 - 59	4	Clay kankar	
10.	59 - 72*	13	Medium sand	Good
11.	72 - 75	3	Clay kankar	
12.	75 - 85*	10	Medium sand	Good
13.	85 - 93	8	Clay kankar	
14.	93 - 104*	11	Fine to Med. sand & Kankar	Good
15.	104 - 106	2	Clay kankar	
16.	106 - 124*	18	Medium sand	Good
17.	124 - 130	6	Clay kankar	
18.	130 - 140*	10	Fine to Medium sand	Good

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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



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Rho a
 N16 (SN)
 N64(LN)
 LAT

Logging VI Gangaji
 Block: Powayan Distt
 Shahjahanpur
 LOGGILGUP
 OS 1st 2022
 CC 15
 Utkarsh Gupta (L-G)

SP (mV)

