

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTOLOGGING REPORT

Ref No:- 160

Date:- 03-12-2021

NAME OF SITE

GRAM PANCHAYAT- Khandsar BLOCK- Tilhar DISTT- Shahjanhapur

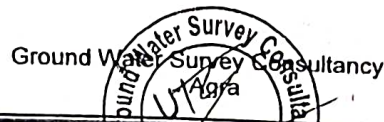
NAME OF AGENCY

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



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KHANDSAR, BLOCK- TILHAR,
DISTT- SHAHAJANHAPUR
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 03.Dec.2021.

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 - 25	20	Clay.	
3.	25 - 35	10	Sandy clay	
4.	35 - 42	7	Fine sand	Medium
5.	42 - 45	3	Clay kankar	
6.	45 - 87*	42	Fine to Medium sand	Medium
7.	87 - 90	3	Sand & Kankar	
8.	90 - 100*	10	Fine to Medium sand	Medium
9.	100 - 105	5	Clay kankar	
10.	105 - 110	5	Fine sand	Medium
11.	110 - 115	5	Clay kankar	
12.	115 - 130*	15	Medium sand	Medium
13.	130 - 140	10	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 Medium.
4. Expected discharge is 1200 to 1400 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

Rho a
 NI6 (SN)
 NS4(LN)
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Logging: vi khandesai
 block: tilhar d't
 shahjahanpuri
 LOGGIIIGUP
 03 Dec 2021
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 vikash gupta

SP (m V)

