

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- 212

Date:- 16-12-2021

NAME OF SITE

GRAM PANCHAYAT- Kharkhari 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.
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- KHARKHARI, BLOCK- TILHAR, DISTT- SHAHAJANHAPUR UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 110 mtrs. at above site. Was drilled by M/S NCC Ltd., Shahajanhapur.

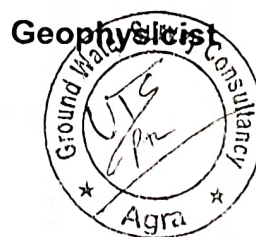
On the request of M/S NCC Ltd., Shahajanhapur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 16.Dec.2021.

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 - 13	8	Clay kankar	
3.	13 - 30	17	Fine sand	
4.	30 - 38	8	Sandy clay	
5.	38 - 48*	10	Medium sand	Good
6.	48 - 52	4	Clay kankar	
7.	52 - 74*	22	Fine to Med. sand & Kankar	Good
8.	74 - 76	2	Clay kankar	
9.	76 - 84*	8	Fine to Medium sand	Good
10.	84 - 86	2	Clay kankar	
11.	86 - 95*	9	Medium sand	Good
12.	95 - 110	15	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 1100 to 1200 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.



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logging vi kharikhan
 block tilhar dist
 shahjahanpur
 LOGGIRGUP
 16 Dec 2021
 13:45
 vikash gupta

Rho a
 N16 (SN)
 NS4(LN)
 LAT

SP (mV)

