

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:- 116

Date:- 19-11-2021

NAME OF SITE

VILLAGE- Chhidkuri

BLOCK- Kalan

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
Agra

REPORT ON GEOPHYSICAL WELL LOGGING AT

VILLAGE- CHHIDKURI, BLOCK- KALAN, DISTT- SHAHAJANHAPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 120 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 19.Nov.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 - 10	5	Clay kankar	
3.	10 - 30	20	Fine sand	
4.	30 - 35	5	Sandy clay	
5.	35 - 45	10	Clay kankar	
6.	45 - 55*	10	Medium sand	Good
7.	55 - 62	7	Clay kankar	
8.	62 - 78*	16	Fine to medium sand	Good
9.	78 - 95	17	Clay kankar	
10.	95 - 102*	7	Sand & Bajari	Good
11.	102 - 107	5	Clay kankar	
12.	107 - 120*	13	Fine to medium sand	Good

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 900 to 1000 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

U.T.G.

C.P.K.

Geophysicist

Ground Water Survey Consultancy

logging: M. Chhikara
 block: Main dist
 shajhanpur
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 15 Nov 2021
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 N16 (SN)
 NS4(LN)
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SP (m V)

