

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

RefNo:- 218

Date:- 19-12-2021

NAME OF SITE

GRAM PANCHAYAT- Mishripur Bujurg BLOCK- Sindholi 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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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MISHRIPUR BUJURG, BLOCK- SINDHOLI
DISTT- SHAHAJANHAPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 132 mtrs. depth. and Logged depth 116 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.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 - 15	10	Clay kankar	
3.	15 - 35	20	Sandy clay	
4.	35 - 46	11	Medium sand	Medium
5.	46 - 50	4	Clay kankar	
6.	50 - 63*	13	Fine to Medium sand	Medium
7.	63 - 66	3	Clay kankar	
8.	66 - 80*	14	Fine to Med. sand & Kankar	Medium
9.	80 - 90	10	Clay kankar	
10.	90 - 107*	17	Medium sand	Medium
11.	107 - 111	4	Clay kankar	
12.	111 - 116	5	Fine sand	Medium

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 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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Rho a

- ▧ N16 (SN)
- ▨ N64(LN)
- ▩ LAT

Logging VI mishripur
 bujung block
 sindholi dist
 shahjahanpur
 LOGGILGUP
 19 Dec 2021
 09:39
 utkarsh gupta(iv)

□

SP (m V)

