GROUND WATER SURVEY CONSUL

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:- 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

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Ground Water Survey Consultancy

REPORT ON GEOPHYSICAL WELL LOGGING

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.	Defth 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

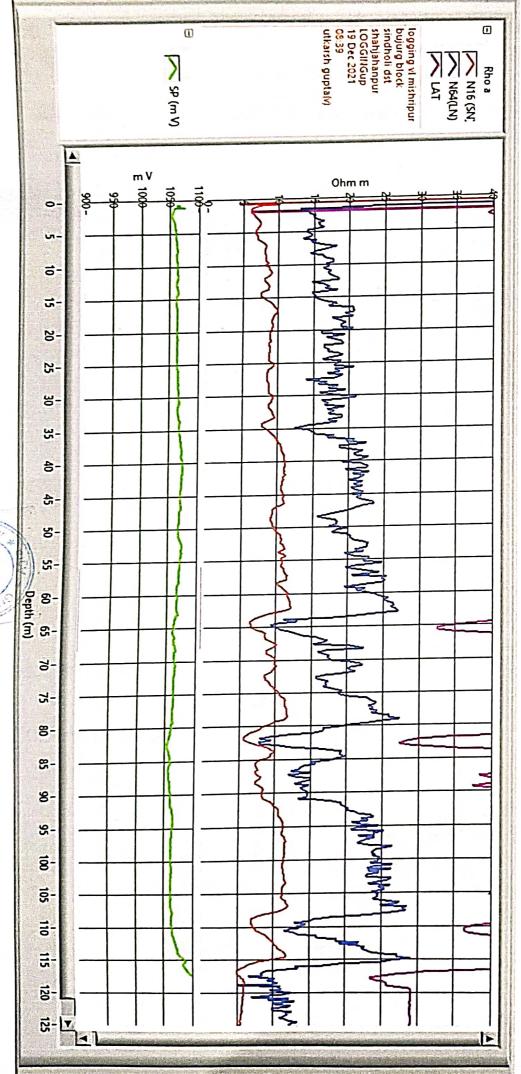


Conclusions and Recommendations :-

- 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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