

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTOLOGGING REPORT

Ref No:- 226

Date:- 21-12-2021

NAME OF SITE

GRAM PANCHAYAT- Babupur Buzurg BLOCK- Khudaganj 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



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BABUPUR BUZURG, BLOCK- KHUDAGANJ
DISTT- SHAHAJANHAPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 129 mtrs. depth. and Logged depth 129 mtrs. at above site. Was drilled by M/S NCC Ltd., Shahajanhapur.

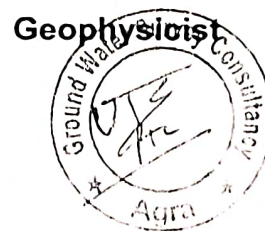
On the request of M/S NCC Ltd., Shahajanhapur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 21.Dec.2021.

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 - 20	5	Fine to Medium sand	
4.	20 - 27	7	Clay	
5.	27 - 45	18	Fine to Medium sand	Med. to Good
6.	45 - 57	12	Clay kankar	
7.	57 - 75*	18	Medium sand	Med. to Good
8.	75 - 81	6	Clay kankar	
9.	81 - 95*	14	Fine to Medium sand	Med. to Good
10.	95 - 100	5	Clay kankar	
11.	100 - 105*	5	Fine to Medium sand	Med. to Good
12.	105 - 110	5	Clay kankar	
13.	110 - 120*	10	Sand & Kankar	Med. to Good
14.	120 - 129	9	Clay kankar	

Conclusions and Recommendations :-

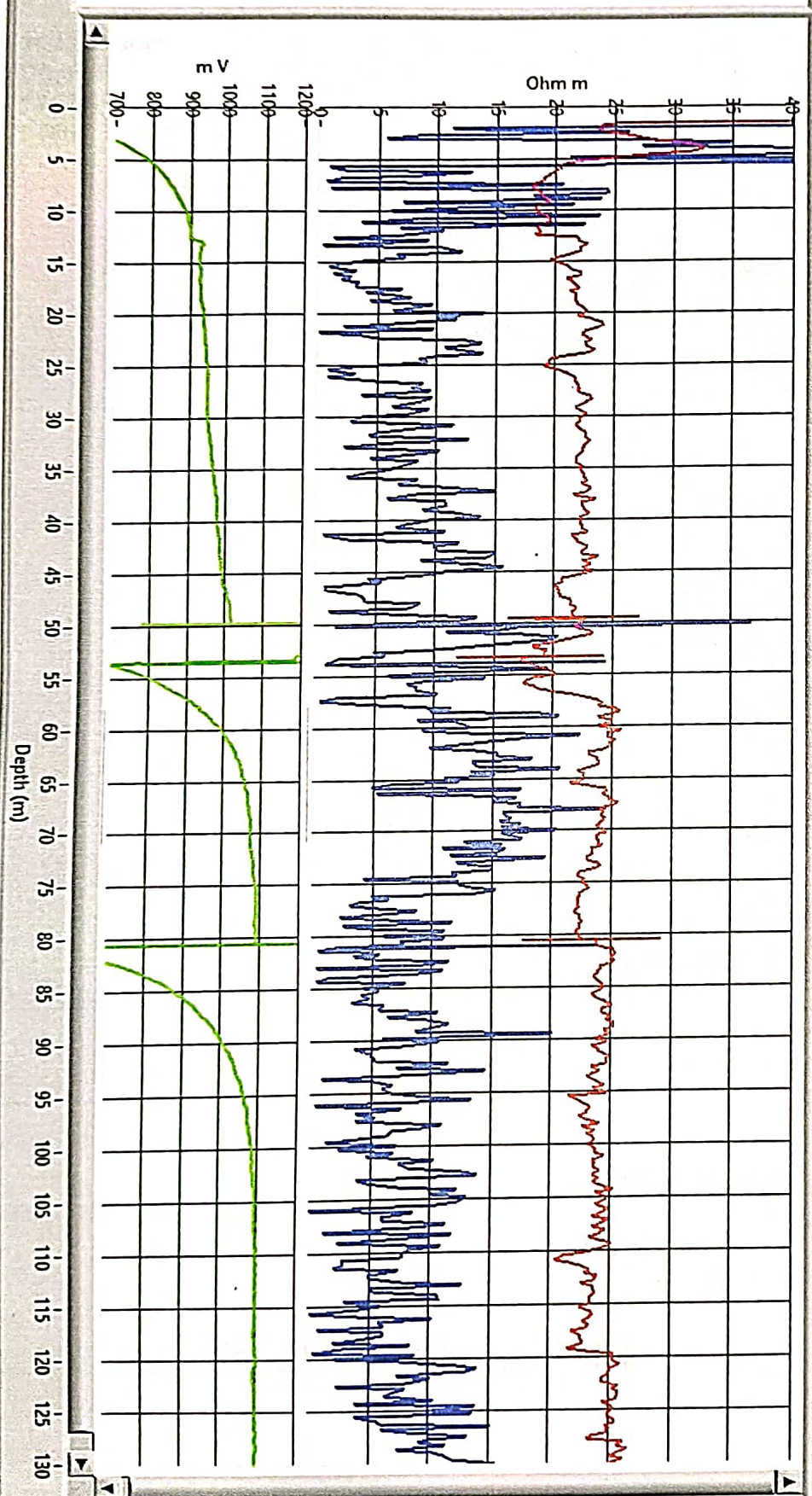
1. The Lithology broadly tallies with that of drill cutting starta chart.
2. The zones marked with asterisk (*) appear to be aquifer zones for possible development of tubewell.
3. The Quality of water is expected Medium to Good.
4. Expected discharge is 1200 to 1400 L.P.M.
5. It is recommended to have 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.



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Rho a
 N16(SN)
 N64(LN)
 LAT

Logging VI babupur
 bujung block
 khudaganj dsl
 shahahanpur
 LOGGILGdown
 21 Dec 2021
 16:27
 utkairsh gupta(4)



SP (mV)