

**GROUND WATER SURVEY CONSULTANCY**  
**GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS**

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:- 143

Date:- 28-11-2021

**NAME OF SITE**

GRAM PANCHAYAT- Pithepur      BLOCK- Kalan      DISTT- Shahjanhapur

**NAME OF AGENCY**

M/s NCC Ltd.  
Shahjanhapur



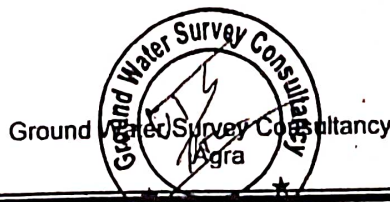
**GROUND WATER SURVEY CONSULTANCY**

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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**ISO ; 9001 : 2015**



# REPORT ON GEOPHYSICAL WELL LOGGING AT

## GRAM PANCHAYAT- PITHEPUR, BLOCK- KALAN, DISTT- SHAHAJANHAPUR UNDER JAL JIVAN MISSION

### Introduction :

A Deep bore hole was drilled 156 mtrs. depth. and Logged depth 156 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 28.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 clay	
2.	5 - 7	2	Dry sand	
3.	7 - 18	11	Fine sand	
4.	18 - 22	4	Clay kankar	
5.	22 - 40	18	Medium sand	Good
6.	40 - 55	15	Clay kankar	
7.	55 - 80*	25	Medium sand	Good
8.	80 - 89	9	Clay kankar	
9.	89 - 110*	21	Fine to Medium sand	Good
10.	110 - 120	10	Clay kankar	
11.	120 - 125*	5	Sand & Kankar	Medium
12.	125 - 129	4	Clay kankar	
13.	129 - 132*	3	Sand & Kankar	Medium
14.	132 - 143	11	Clay kankar	
15.	143 - 147	4	Fine sand	Medium
16.	147 - 152	5	Clay kankar	
17.	152 - 156	4	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 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.



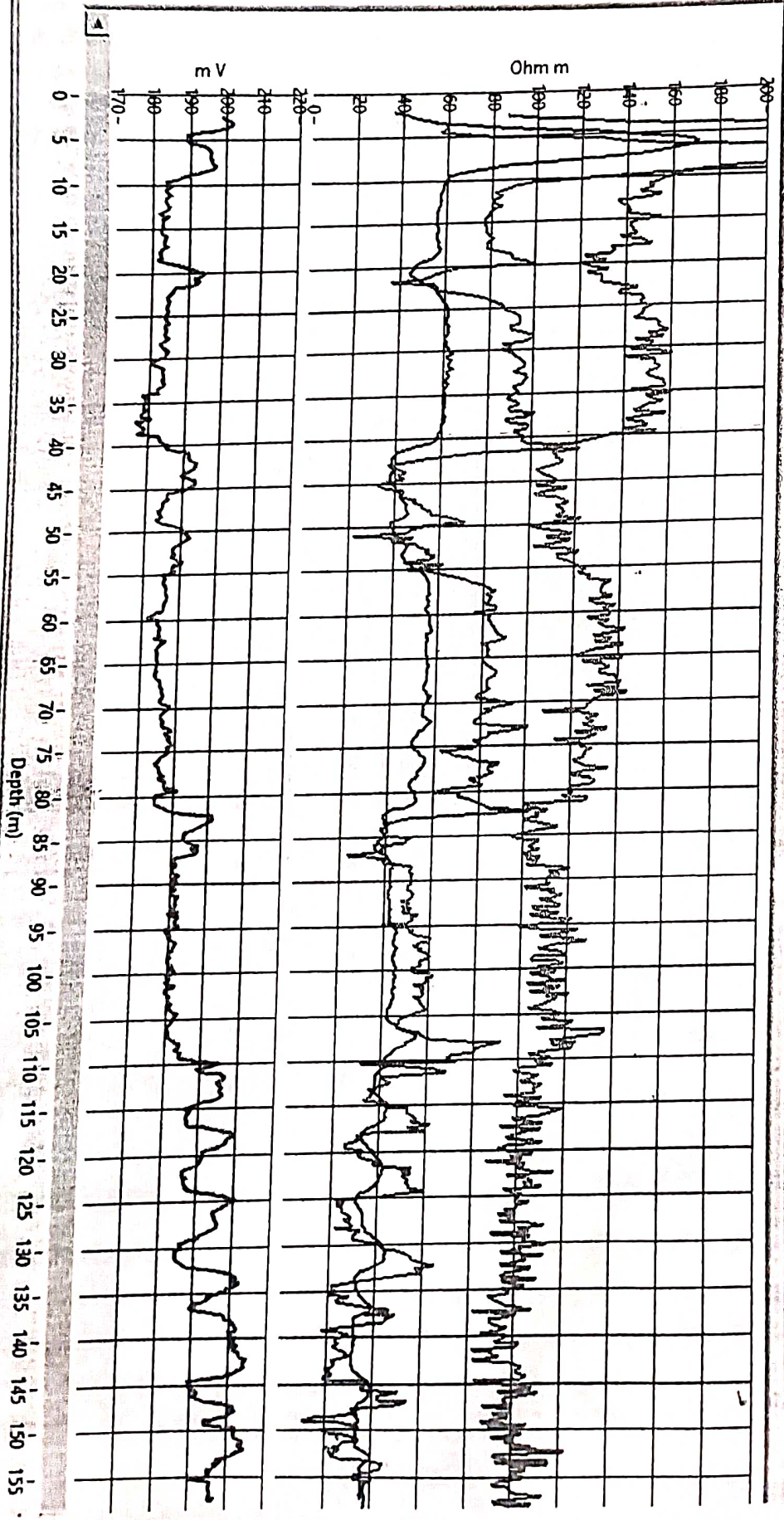
**Ground Water Survey Consultancy**

Rno a

N16 (SN)  
N64(LN)  
LAT

logging vt pithapur  
block kalan dist  
shahjhapur  
LOGGIRGup  
28 Nov 2021  
11:10  
nikash gupta

SP (m V)



Depth (m)

