

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

**GEO-PHYSICAL WELL**  
**ELECTROLOGGING REPORT**

Ref No:- 60

Date:- 10-04-2022

**NAME OF SITE**

Gram Panchayat- Chavarkhaas

BLOCK- Tilhar

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**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- CHAVARKHAAS, BLOCK- TILHAR  
DISTT- SHAHAJANHAPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 109 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 10.Apr.2022.

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 - 9	4	Dry sand	
3.	9 - 17	8	Clay kankar	
4.	17 - 29	12	Fine to Medium sand	Good
5.	29 - 32	3	Clay Kankar	
6.	32 - 52*	20	Medium Sand	Good
7.	52 - 72	20	Clay	
8.	72 - 92*	20	Fine to Medium sand	Good
9.	92 - 95	3	Clay Kankar	
10.	95 - 109*	14	Fine to Medium sand	Good

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**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 600 to 700 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**



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Rhos  
 N16 (S/F)  
 N64(L/N)  
 LAT

Logging VI  
 Charakhaas Block I  
 Tihra Distt  
 Shahjahanpur  
 LOGGIII/CLP  
 10 Apr 2022  
 07:06  
 Vikarath Gupta (A/C)

SP (mV)

