

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- 308

Date:- 13-01-2022

NAME OF SITE

**GRAM PANCHAYAT- Ali Akbarpur Urf Nawada
DISTT- Shahjanhapur**

BLOCK- Jaitipur

NAME OF AGENCY

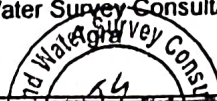
**M/s NCC Ltd.
Shahjanhapur**



GROUND WATER SURVEY CONSULTANCY
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.
112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006
(M) : 9412260823, 9794625420, 9761163000, Email : gwsc_agra@yahoo.com

ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- ALI AKBARPUR URF NAWADA, BLOCK- JAIPUR
DISTT- SHAHJANHAPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 mtrs. at above site. Was drilled by M/S NCC Ltd., Shahajanhapur.

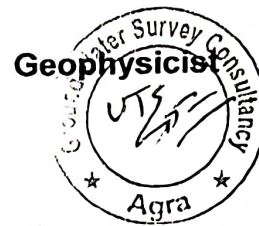
On the request of M/S NCC Ltd., Shahajanhapur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 13.Jan.2022.

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 - 24	19	Sandy clay	
3.	24 - 36	12	Fine sand	
4.	36 - 45	9	Clay kankar	
5.	45 - 57*	12	Fine to Med. sand & Kankar	Good
6.	57 - 75	18	Clay kankar	
7.	75 - 104*	29	Medium sand & Kankar	Good
8.	104 - 110	6	Clay kankar	
9.	110 - 125*	15	Fine to Medium sand	Good
10.	125 - 140	15	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 Good.
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
 N 16(S/N)
 N 64 (LN)
 LAT

Location: Offshore of the island of
 Malakka, Indonesia
 Log No: JUS 10000404
 Date: 13 Apr 2011
 Time: 11:37
 Cruise: MAREX 2011
 Vessel: MAREX

SP

