

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTOLOGGING REPORT

Ref No:- 602

Date:- 09-03-2022

NAME OF SITE

GRAM PANCHAYAT- Aurangabad BLOCK- Puwayan DISTT- Shahjanhapur

NAME OF AGENCY

M/s NCC Ltd.
Shahjanhapur



GROUND WATER SURVEY CONSULTANCY

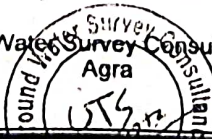
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

(M) : 9412260823, 9794625420, 9761163000, Email : gwsc_agra@yahoo.com

ISO ; 9001 : 2015

Ground Water Survey Consultancy
Agra



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- AURANGABAD, BLOCK- PUWAYAN
DISTT- SHAHJANHAPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 136 mtrs. depth. and Logged depth 135 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 09.Mar.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.	Defth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 14	9	Dry sand	
3.	14 - 16	2	Clay kankar	
4.	16 - 25	9	Fine sand	
5.	25 - 28	3	Clay kankar	
6.	28 - 40	12	Medium sand	
7.	40 - 54	14	Clay	Good
8.	54 - 70*	16	Medium sand	Good
9.	70 - 80	10	Clay	
10.	80 - 85*	5	Fine to Medium sand	Good
11.	85 - 92	7	Clay kankar	
12.	92 - 110*	18	Fine to Medium sand	Good
13.	110 - 130	20	Sandy clay	
14.	130 - 135	5	Clay	

Ground Water Survey Consultancy



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 900 to 1000 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



Ground Water Survey Consultancy

Rno 2
 N 16(SN)
 N 64 (UI)
 LA1

Location
 Project & Progress
 Date
 Time
 Name
 Station
 Client
 Scale
 No. of Pages

