

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:- 802

Date:- 11-09-2022

NAME OF SITE

Gram Panchayat- Nagla Banwari

BLOCK- Kanth

DISTT- Shahjahanpur

NAME OF AGENCY

M/s NCC Ltd.
Shahjahanpur



GROUND WATER SURVEY CONSULTANCY
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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- NAGLA BANWARI, BLOCK- KANTH
DISTT- SHAHJAHANPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 135 mtrs. at above site. Was drilled by M/S NCC Ltd., Shahjahanpur.

On the request of M/S NCC Ltd., Shahjahanpur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 11.Sep.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 - 10	5	Dry sand	
3.	10 - 15	5	Sandy clay	
4.	15 - 23	8	Fine sand	
5.	23 - 30	7	Clay kankar	
6.	30 - 57*	27	Medium sand & Kankar	Good
7.	57 - 66	9	Clay kankar	
8.	66 - 90*	24	Medium sand	Good
9.	90 - 95	5	Clay kankar	
10.	95 - 105	10	Kankar	
11.	105 - 113	8	Clay kankar	
12.	113 - 124*	11	Fine to Medium sand	Good
13.	124 - 135	11	Clay kankar	

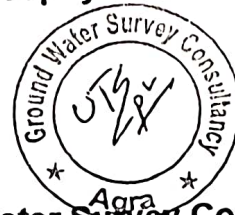
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Conclusions and Recommendations :-

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 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



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B
 Photo
 N16 (SN)
 NS4(QN)
 LAT
 Logging GP Itiqia
 Esmahan Elrod, Karthi
 Detti Shalyahampur
 LOGGERSUP
 11 Sep 2022
 13:23
 Umarish Gupta (G)

