

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No- 1197

Date:- 22-10-2022

NAME OF SITE

Gram Panchayat- Pingri Pingra

BLOCK- Dadraul

DISTT- Shahjahanpur

NAME OF AGENCY

M/s NCC Ltd.
Shahjahanpur



GROUND WATER SURVEY CONSULTANCY

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

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ISO ; 9001 : 2015

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Agra

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- PINGRI PINGRA, BLOCK- DADRAUL DISTT- SHAHJAHANPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 118 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 22.Oct.2022.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major aquifer 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 - 30	25	Clay kankar	
3.	30 - 45	15	Medium sand	Good
4.	45 - 50	5	Clay kankar	
5.	50 - 70*	20	Medium sand & kankar	Good
6.	70 - 81	11	Clay kankar	
7.	81 - 105*	24	Fine to medium sand	Good
8.	105 - 107	2	Kankar	
9.	107 - 118	11	Fine 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 Medium to Good.
4. 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.
5. 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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Fig. 1
 N 160 (V)
 N 64 (LN)
 LAT

Location
 Logging Gp. Pongli
 Pongli Block
 Gadwal Distt
 Shahyampur
 Log No.:
 LOGGHSdown
 Date
 22 Oct 2022
 Time
 15:51
 Observer
 Umesh Gupta (G)
 Well Depth

SP

