

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTOLOGGING REPORT

Ref No:- 582

Date:- 30-07-2022

NAME OF SITE

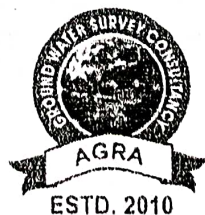
Gram Panchayat- Kataiya

BLOCK- Khudaganj Katra

DISTT- Shahjahanpur

NAME OF AGENCY

M/s NCC Ltd.
Shahjahanpur



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
11/6/22

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KATAIYA, BLOCK- KHUDAGANJ KATRA
DISTT- SHAHJAHANPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 130 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 30.July.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 - 12	7	Fine sand	
3.	12 - 34	22	Clay kankar	
4.	34 - 67*	33	Medium sand	Good
5.	67 - 73	6	Clay kankar	
6.	73 - 77*	4	Medium sand	Good
7.	77 - 90	13	Clay kankar	
8.	90 - 111*	21	Medium sand	Good
9.	111 - 118	7	Clay kankar	
10.	118 - 123*	5	Medium sand	Good
11.	123 - 130	7	Sandy 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 1000 to 1100 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

Rho a
 M16 (SN)
 NS4(LN)
 LAT

Logging V. Khatija, Lucknow
 Khatija, Ghazipur
 UFI/OS/NSUR
 55/04/2002
 21.47
 Unipar-Gurgaon

SP (m V)

