

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:- 671

Date:- 27-03-2022

NAME OF SITE

GRAM PANCHAYAT- Bumhaura BLOCK- Kalan DISTT- Shahjanhapur

NAME OF AGENCY

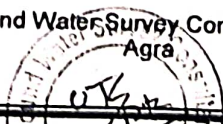
M/s NCC Ltd.
Shahjanhapur



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- BUMHAURA, BLOCK- KALAN, DISTT- SHAHJANHAPUR
UNDER
JAL JIVAN MISSION

Introduction :

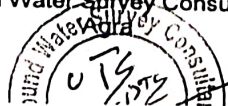
A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 118 mtrs. at above site. Was drilled by M/S NCC Ltd., Shahajanapur.

On the request of M/S NCC Ltd., Shahajanapur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 27.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.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 8	3	Clay kankar	
3.	8 - 16	8	Fine sand	
4.	16 - 30	14	Clay	
5.	30 - 36	6	Medium sand	Medium
6.	36 - 40	4	Clay kankar	
7.	40 - 54*	14	Medium sand	Medium
8.	54 - 60	6	Clay kankar	
9.	60 - 66*	6	Medium sand	Medium
10.	66 - 75	9	Clay kankar	
11.	75 - 80*	5	Medium sand	Medium
12.	80 - 89	9	Clay kankar	
13.	89 - 103*	14	Medium sand	Medium
14.	103 - 118	15	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 Medium.
4. Expected discharge is 800 to 900 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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- ▬ NI6 (SN)
- ▬ NS4(QN)
- ▬ LAT

Logging V1
 Bumbhura Elect
 Kalan Distt
 Shahjahanpur
 LOGGUGUP
 27 Mar 2022
 17:22
 Utkarsh Gupta (S-G)

ⓑ

SP (mV)

