



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BAKHARPUR, BLOCK- JAIPUR,  
DISTT- SHAHJAHANPUR  
UNDER  
JAL JIVAN MISSION

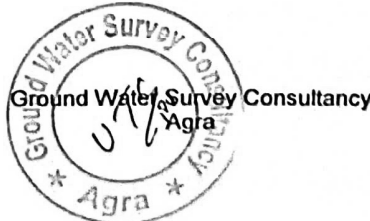
## Introduction :

A Deep bore hole was drilled 130 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 06.May.2023.

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 - 8	3	Fine sand	
3.	8 - 20	12	Clay kankar	
4.	20 - 33	13	Fine to Medium sand	Good
5.	33 - 45	12	Clay kankar	
6.	45 - 65*	20	Medium sand	Good
7.	65 - 68	3	Clay kankar	
8.	68 - 75*	7	Medium sand	Good
9.	75 - 80	5	Clay kankar	
10.	80 - 102*	22	Medium sand	Good
11.	102 - 108	6	Clay kankar	
12.	108 - 123*	15	Medium sand & kankar	Good
13.	123 - 130	7	Clay kankar	



**Conclusions and Recommendations :-**

1. The Lithology broadly tallies with that of drill cutting strata 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. 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.



**Ground Water Survey Consultancy**

Geo 2  
N16 BX  
N16ALN  
LAT

Survey Details  
Survey of Bangalore  
for the Government  
of Karnataka  
on 28 May 2012  
12:11  
Thomson Data Inc.

Survey File  
R05580121-22

Depth (m)  
5 (m)

Survey Details  
GROUND WATER  
SURVEY  
CONSULTANCY  
AGRA, UP India

