

**GROUND WATER SURVEY CONSULTANCY**  
**GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS**

**GEO-PHYSICAL WELL**  
**ELECTOLOGGING REPORT**

Ref No:- 200

Date:- 07-05-2022

**NAME OF SITE**

Gram Panchayat- Bagder      BLOCK- Sindhauli      DISTT- Shahjahanpur

**NAME OF AGENCY**

M/s NCC Ltd.  
Shahjahanpur

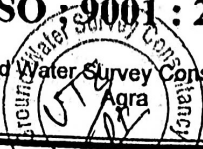


**GROUND WATER SURVEY CONSULTANCY**

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**ISO 9001 : 2015**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BAGDER, BLOCK- SINDHAULI, DISTT- SHAHJAHANPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 123 mtrs. depth. and Logged depth 121 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 07.May.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	Sandy clay	
3.	10 - 25	15	Clay kankar	
4.	25 - 36	11	Medium sand	Good
5.	36 - 45	9	Clay kankar	
6.	45 - 54*	9	Medium sand	Good
7.	54 - 57	3	Clay kankar	
8.	57 - 65*	8	Medium sand & Kankar	Good
9.	65 - 70	5	Clay kankar	
10.	70 - 79*	9	Medium sand	Good
11.	79 - 84	5	Clay kankar	
12.	84 - 90	6	Sand & Kankar	Good
13.	90 - 96	6	Clay kankar	
14.	96 - 110*	14	Medium sand & Kankar	Good
15.	110 - 121	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 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**



**Ground Water Survey Consultancy**

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 NI6 (SN)  
 NI6(LIN)  
 LAT

Logging VI Bagder  
 Block: Sindhavli Distt  
 Shahjhanpur  
 LOGGIN/GUP  
 07 May 2022  
 18:29  
 Ulkarsh Gupta (AG)

SP (m V)

