

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

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

Ref No:- 62

Date:- 11-04-2022

**NAME OF SITE**

Gram Panchayat- Har Guraiya

BLOCK- Jalalabad

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



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- HAR GURAIYA, BLOCK- JALALABAD  
DISTT- SHAHJAHANPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 142 mtrs. depth. and Logged depth 138 mtrs. at above site. Was drilled by M/S NCC Ltd., Shahajahanpur.

On the request of M/S NCC Ltd., Shahajahanpur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 11.Apr.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:-

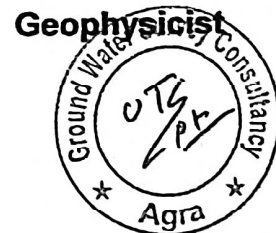
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 8	3	Clay kankar	
3.	8 - 21	13	Medium sand	
4.	21 - 30	9	Clay kankar	
5.	30 - 36	6	Fine to Medium sand	Good
6.	36 - 40	4	Clay kankar	
7.	40 - 46	6	Medium sand	Good
8.	46 - 50	4	Clay kankar	
9.	50 - 80*	30	Medium sand	Good
10.	80 - 86	6	Clay kankar	
11.	86 - 101*	15	Fine to Medium sand	Medium
12.	101 - 114	13	Clay kankar	
13.	114 - 125*	11	Medium sand	Medium
14.	125 - 138	13	Clay kankar	

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 Medium to 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.



**Ground Water Survey Consultancy**

No 1  
 N16 (SN)  
 NS4(LN)  
 LAT

Logging V1131  
 Gaurang's Block  
 Mahabub District  
 Suddipet  
 CO-28(1-1)  
 11 Apr 2022  
 12:30  
 UTM North (m) & (m)

SP (m V)

