

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-A- 1668

Date:- 23-09-2023

NAME OF SITE

AT SITE- Bijaipur

BLOCK- Malasa

DISTT- Kanpur Dehat

NAME OF AGENCY

M/s Indian Hume Pipe Co. Ltd. Kanpur Dehat



GROUND WATER SURVEY CONSULTANCY

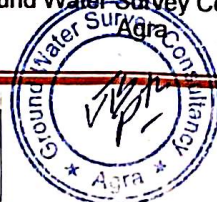
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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

AT SITE- BIJAIPUR, BLOCK- MALASA, DISTT- KANPUR DEHAT

Introduction :

A Deep bore hole was drilled 225 mtrs. depth and logged depth 222 mtrs. at above site was drilled by M/s Indian Hume Pipe Co. Ltd. Kanpur Dehat.

On the request of M/s Indian Hume Pipe Co. Ltd. Kanpur Dehat. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 23.Sep.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	Clay kankar	
3.	8 - 11	3	Fine sand	
4.	11 - 34	23	Clay kankar	
5.	34 - 36	2	Fine sand	Medium
6.	36 - 42	6	Clay kankar	
7.	42 - 61*	19	Medium sand	Medium
8.	61 - 75	14	Clay kankar	
9.	75 - 80*	5	Medium sand	Medium
10.	80 - 82	2	Clay kankar	
11.	82 - 84	2	Fine to Medium sand	Medium
12.	84 - 105	21	Clay kankar	
13.	105 - 114	9	Kankar with sand	
14.	114 - 116	2	Kankar	
15.	116 - 132*	16	Medium sand	Medium
16.	132 - 157	25	Clay kankar	
17.	157 - 170*	13	Fine to medium sand	Medium
18.	170 - 190	20	Clay kankar	
19.	190 - 195*	5	Fine to medium sand	Medium
20.	195 - 220	25	Clay kankar	

Ground Water Survey Consultancy



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 Medium.
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.

Geophysicist



Ground Water Survey Consultancy

Rho a
 NI6 (SN)
 NS4(LN)
 LAT

Location:
 Logg...
 Log No.:
 Date:
 Time:
 Operator:
 Mr. Debn:

Logger S. No.:
 IGIS/S/03/21-22

SP

GROUND WATER
 SURVEY
 CONSULTANCY
 - AGRA INDIA

