

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-B- 1663

Date:- 06-09-2023

### NAME OF SITE

GRAM PANCHAYAT- Mohana      BLOCK- Gulawati      DISTT- Bulandshahar

### NAME OF AGENCY

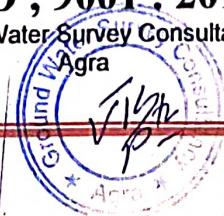
M/s Welspun Enterprises



## GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.  
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**ISO ; 9001 ; 2015**  
Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MOHANA, BLOCK- GULAWATI,  
DISTT- BULANDSHAHR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 mtrs. at above site. Was drilled by M/S Welspun Enterprises.

On the request of M/S Welspun Enterprises. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 06.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 - 7	2	Clay kankar	
3.	7 - 16	9	Fine sand	
4.	16 - 25	9	Clay kankar	
5.	25 - 32	7	Fine to Medium sand	Good
6.	32 - 38	6	Clay kankar	
7.	38 - 55*	17	Medium sand	Good
8.	55 - 60	5	Clay kankar	
9.	60 - 68*	8	Fine to Medium sand	Medium
10.	68 - 108	40	Clay kankar	
11.	108 - 116*	8	Fine to Med sand & kan	Medium
12.	116 - 140	24	Clay kankar	

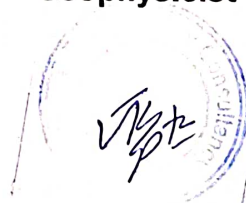
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### **Conclusions and Recommendations :-**

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 tube well.
3. The Quality of water is expected Medium to 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.

**Geophysicist**

A circular blue ink stamp is present, containing a handwritten signature in blue ink. The signature appears to be 'V. K. P.' or similar. The stamp is partially obscured by the text above and below it.

**Ground Water Survey Consultancy**

Rho a  
 N 16(SN)  
 N 64 (LN)  
 LAT

Location:  
 Vill: Mohana Block-  
 Gauraha, Dist-  
 Balasore  
 Log No:  
 UPLOGENG04  
 Date:  
 08 Sep 2023  
 Time:  
 16:11  
 Operator:  
 Upendra Gupta IGC  
 Well Depth:

Logger ID No:  
 IGIS/S/01/70-11

SP  
 Logger Model:  
 DMPL-2  
 Logger Owned by:  
 GROUND WATER  
 SURVEY  
 CONSULTANCY  
 - AGRA INDIA

