

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:- 546

Date:- 02-01-2023

### NAME OF SITE

GRAM PANCHAYAT- Raipur      BLOCK- Chamrahua      DISTT- Rampur

### NAME OF AGENCY

NKG Infrastructure Limited  
New Delhi



## GROUND WATER SURVEY CONSULTANCY

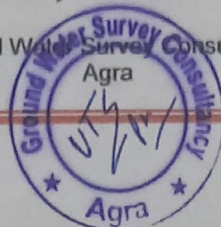
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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**ISO ; 9001 : 2015**

Ground Water Survey Consultancy



For PUSHPANJALI ENTERPRISES

*Y. S. Jaiswal*

# REPORT ON GEOPHYSICAL WELL LOGGING AT

## GRAM PANCHAYAT- RAIPUR, BLOCK- CHAMRAHUA, DISTT- RAMPUR UNDER JAL JIVAN MISSION

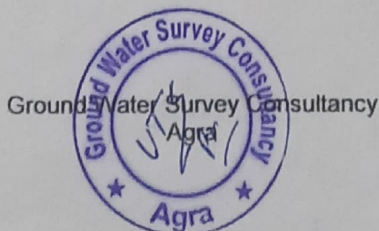
### Introduction :

A Deep bore hole was drilled 150 mtrs. depth and logged depth 150 mtrs. at above site was drilled by NKG Infrastructure Limited, New Delhi.

On the request of NKG Infrastructure Limited, New Delhi. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 02.Jan.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 - 15	10	Fine sand	
3.	15 - 17	2	Clay kankar	
4.	17 - 25	8	Fine sand	
5.	25 - 54*	29	Medium sand	Good
6.	54 - 57	3	Clay kankar	
7.	57 - 80*	23	Medium sand	Good
8.	80 - 85	5	Clay kankar	
9.	85 - 102*	17	Medium sand	Good
10.	102 - 113	11	Clay kankar	
11.	113 - 118*	5	Medium sand	Good
12.	118 - 122	4	Clay kankar	
13.	122 - 130*	8	Sandy Clay	Good
14.	130 - 140	10	Clay kankar	
15.	140 - 145*	5	Medium sand	Good
16.	145 - 150	5	Sandy clay	



For PUSHPANJALI ENTERPRISES

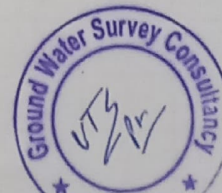
*Yashraj*



**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.

**Geophysicist**






**Ground Water Survey Consultancy**

For PUSHPANJALI ENTERPRISES

*Yashraj*

Rino a

 N16 (SN)  
 N64 (LN)  
 LAT

Logging 2 Gr. Karpur Block  
 Caramajaya Dist. Kambur  
 UP 10061 NGUS  
 02 Jan 2023  
 19:37  
 Rino a (RNO)

