

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:- 1287

Date:- 29-11-2022

NAME OF SITE

GRAM PANCHAYAT- Raipur

BLOCK- Shahabad

DISTT- Rampur

NAME OF AGENCY

NKG Infrastructure Limited
New Delhi

Nirmala Enterprises

Neelam Sanjay

Proprietor



GROUND WATER SURVEY CONSULTANCY

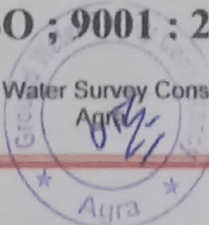
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- ROOPPUR, BLOCK- SHAHABAD, DISTT- RAMPUR
UNDER
JAL JIVAN MISSION

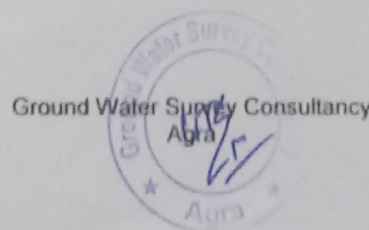
Introduction :

A Deep bore hole was drilled 150 mtrs. depth and logged depth 147 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 29.Nov.2022.

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 - 20	5	Clay	
4.	20 - 45	25	Medium sand	Medium
5.	45 - 50	5	Clay kankar	
6.	50 - 70*	20	Medium sand	Medium
7.	70 - 75	5	Clay kankar	
8.	75 - 87*	12	Medium sand	Medium
9.	87 - 98	9	Kankar	
10.	98 - 110*	12	Medium sand	Medium
11.	110 - 125	15	Clay kankar	
12.	125 - 132*	7	Medium sand	Medium
13.	132 - 147	15	Clay kankar	

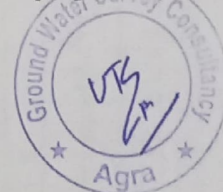


Nirmala Enterprises
Neelakumari
Proprietor

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



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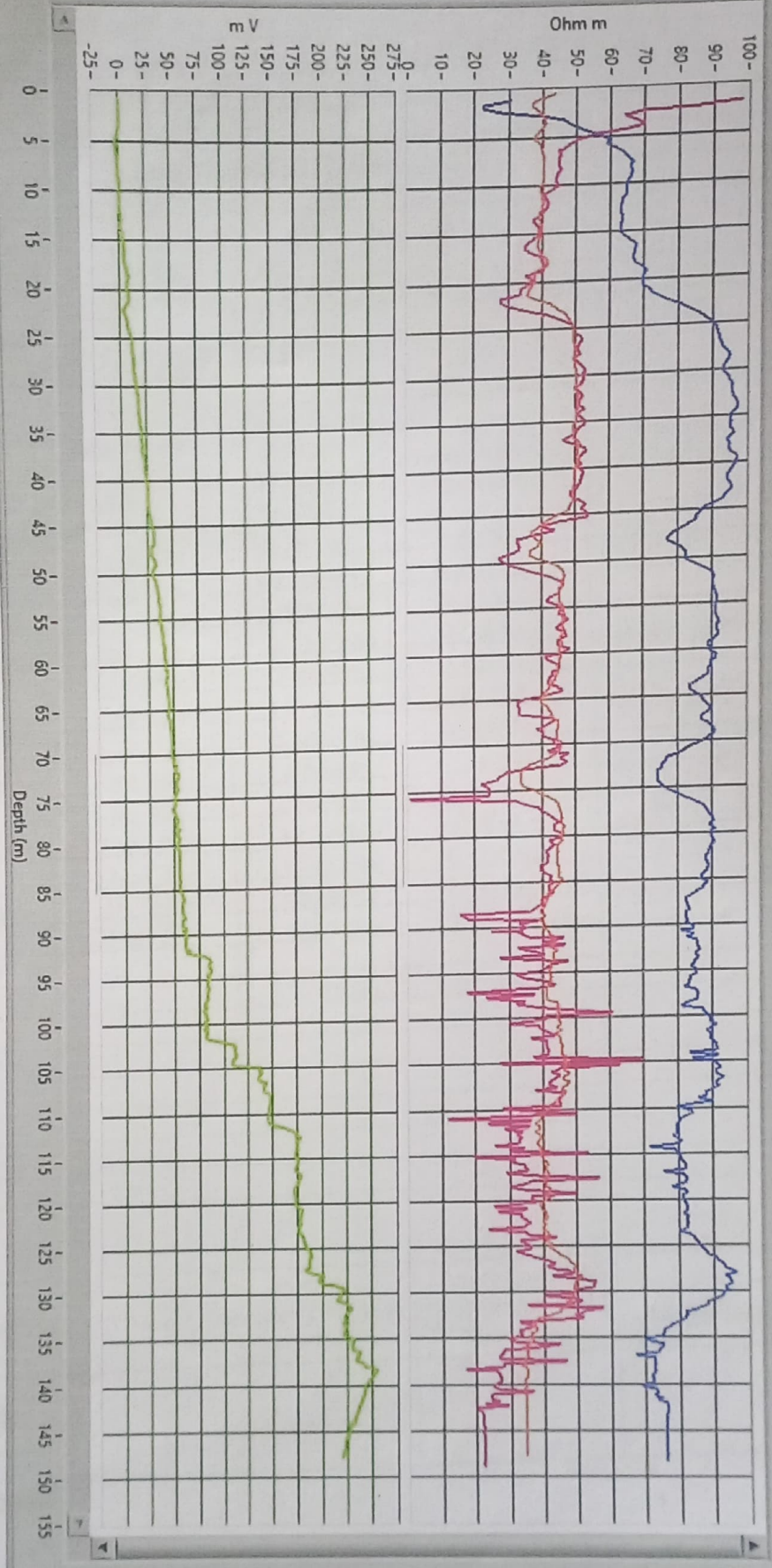
Neelam

Proprietor

Log File: G5 Na sur Book
 27/04/2022 08:11:59
 DOWN LOGG MGC-1
 07 Nov 2022
 20:27
 Unsharan Gupta, IAS

Rho a
 N16 (SN)
 N64(LN)
 LAT

SP (m V)



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 Nucleo Systems
 Proprietor