

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-B- 334

Date:- 04-05-2023

NAME OF SITE

GRAM PANCHAYAT- Bahadurpur Khurd

BLOCK- Amroha

DISTT- Amroha

NAME OF AGENCY

M/s PNC-SPML-JV
Amroha

22, CAMAC STREET, BLOCK-A, 3rd FLOOR, KOLKATA-700016



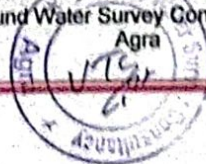
GROUND WATER SURVEY CONSULTANCY

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

VAM PANCHAYAT- BAHADURPUR KHURD, BLOCK- AMROHA, DISTT- AMROHA
UNDER
JAL JIVAN MISSION

Introduction :

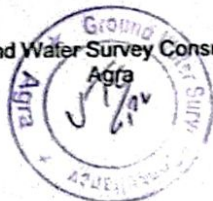
A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 130 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Moradabad.

On the request of M/S PNC-SPML-JV, Moradabad. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 04.May.2023.

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 - 15	10	Dry sand	
3.	15 - 20	5	Fine sand	
4.	20 - 25	5	Clay kankar	
5.	25 - 30	5	Fine sand	Good
6.	30 - 35	5	Clay kankar	
7.	35 - 55	20	Fine to Medium sand	Good
8.	55 - 60	5	Clay kankar	
9.	60 - 93*	33	Medium sand & kankar	Good
10.	93 - 104	11	Clay kankar	
11.	104 - 112*	8	Medium sand	Good
12.	112 - 117	5	Clay kankar	
13.	117 - 125*	8	Fine to Medium sand	Good
14.	125 - 130	5	Clay kankar	

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Conclusions and Recommendations :-

The Lithology broadly tallies with that of drill cutting starts chart.

The zones marked with asterisk (*) appear to be aquifer zones for possible development of tubewell.

The Quality of water is expected Good.

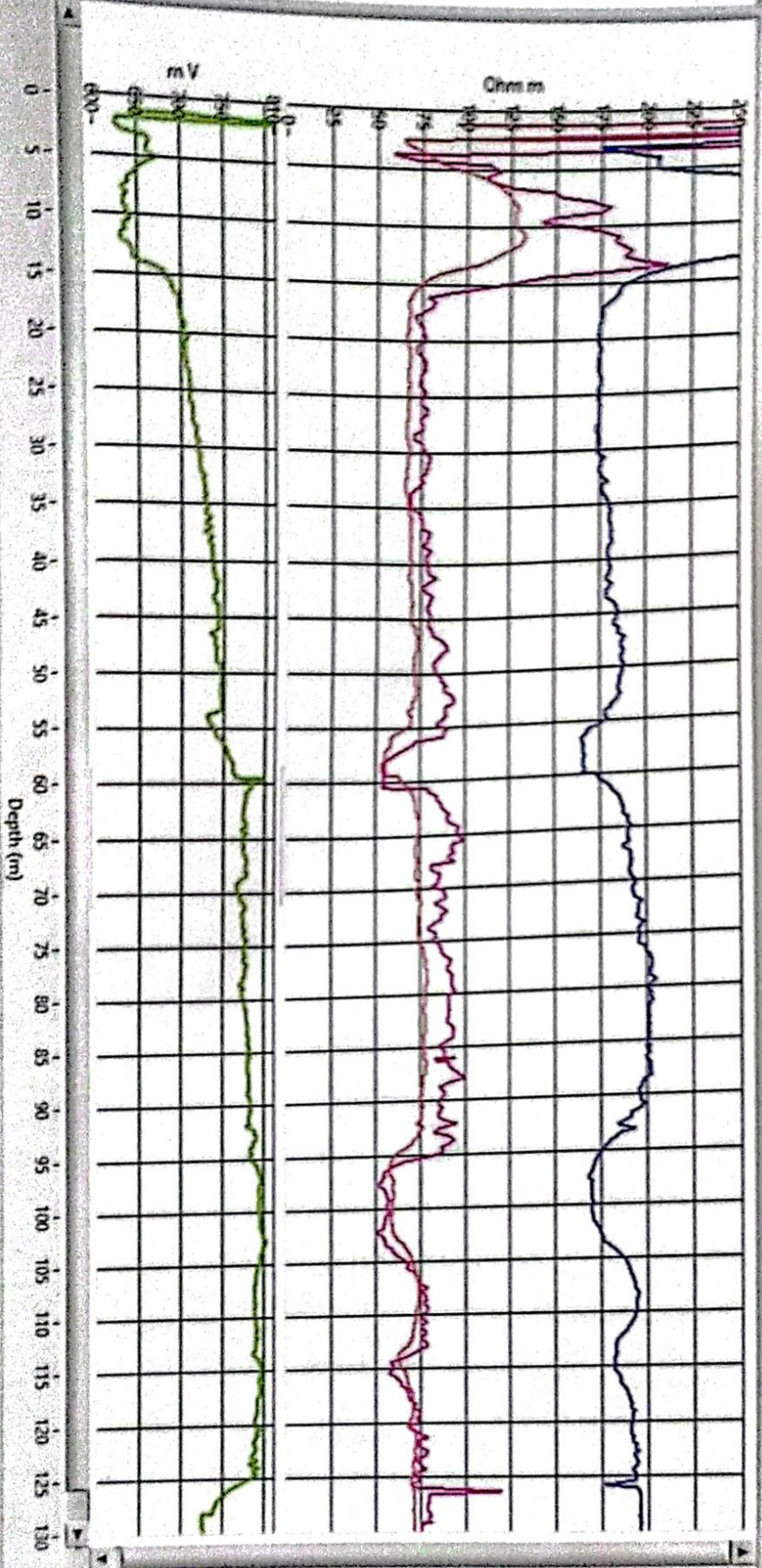
4. It is recommended to have a chemical and bacteriological analysis of the water sample before using it for human consumption or for any other use.
5. All projections and recommendations are subject to the inherent limitations of the technique employed and there could be variations as the underground conditions are not always amenable to physical interpretations.

Geophysicist



Ground Water Survey Consultancy

SP (mV)



GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-B- 1582

Date:- 20-08-2023

NAME OF SITE

GRAM PANCHAYAT- Bahapur

BLOCK- Hasanpur

DISTT- Amroha

NAME OF AGENCY

M/s PNC-SPML-JV

Amroha

22, CAMAC STREAT, BLOCK-A, 3rd FLOOR, KOLKATA-700016



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Agra



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BAHAPUR, BLOCK- HASANPUR, DISTT- AMROHA
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 120 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Amroha.

On the request of M/S PNC-SPML-JV, Amroha. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 20.Aug.2023.

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 - 18	13	Dry sand	
3.	18 - 27	9	Clay kankar	
4.	27 - 48	21	Medium sand	Good
5.	48 - 57	9	Clay kankar	
6.	57 - 73*	16	Medium sand	Good
7.	73 - 81	8	Clay kankar	
8.	81 - 100*	19	Medium sand	Good
9.	100 - 105	5	Clay kankar	
10.	105 - 112*	7	Fine to Medium sand	Good
11.	112 - 120	8	Clay kankar	

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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 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



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Project Name:
Client:
Site:
Date:
Scale:

Project No.:
1335/0710-11

Client Name:
DMSL-7
Project Name:
Ground Water
Survey Consulting
Agua LP near
India

