

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTOLOGGING REPORT**

Ref No:- N-782

Date:- 15-01-2023

NAME OF SITE

GRAM PANCHAYAT- Muwarijpur

BLOCK- Hasanpur

DISTT- Amroha

NAME OF AGENCY

M/s PNC-SPML-JV

Moradabad

22, CAMAC STREAT, 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

GRAM PANCHAYAT- MUWARIJPUR, 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, 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 15.Jan.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 - 12	7	Fine sand	
3.	12 - 17	5	Clay kankar	
4.	17 - 23	6	Medium sand	Good
5.	23 - 26	3	Clay kankar	
6.	26 - 33	7	Medium sand	Good
7.	33 - 35	2	Clay kankar	
8.	35 - 42	7	Medium sand	Good
9.	42 - 45	3	Clay kankar	
10.	45 - 57*	12	Medium sand	Good
11.	57 - 64	7	Clay kankar	
12.	64 - 73*	9	Medium sand	Good
13.	73 - 84	11	Clay kankar	
14.	84 - 93*	9	Medium sand	Good
15.	93 - 106	13	Clay kankar	
16.	106 - 120*	14	Medium sand	Good



Conclusions and Recommendations :-

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

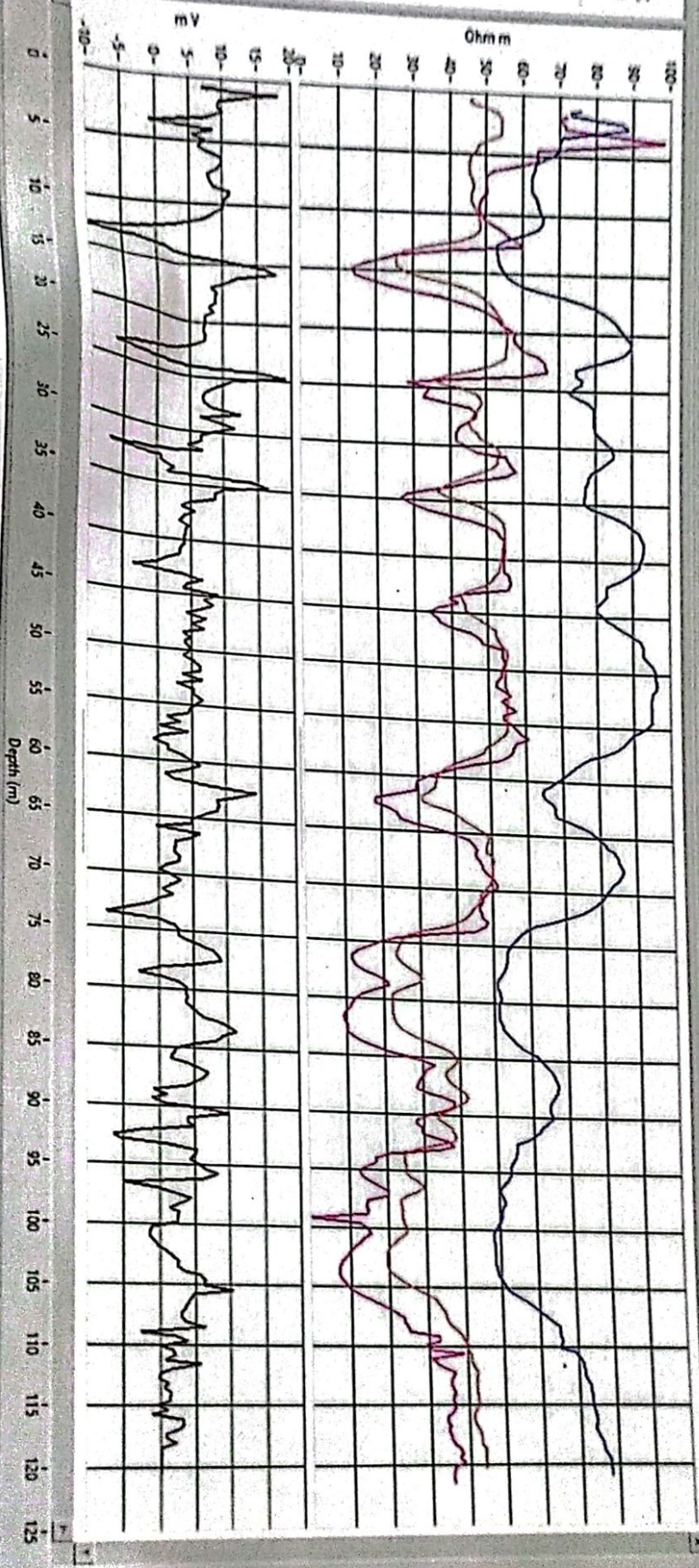


Ground Water Survey Consultancy

2001
KKS
KKS
KKS
LAT

RESEARCH CENTER
1000 UNIVERSITY AVENUE
ANN ARBOR, MI 48106-1500
TEL: 734 763 2800
FAX: 734 763 2801
WWW: WWW.KKS.MI.EDU

SP (mV)



Depth (m)