

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- 1139

Date:- 03-11-2022

NAME OF SITE

GRAM PANCHAYAT- Machhrai

BLOCK- Hasangpur

DISTT- Amroha

NAME OF AGENCY

M/s PNC-SPML-JV
Moradabad

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



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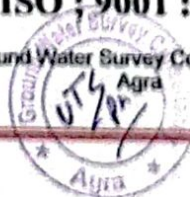
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

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ISO : 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

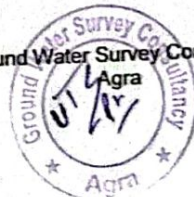
A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 118 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Moradabad.

On the request of M/S PNC-SPML-JV, Moradabad. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 03.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 - 11	6	Sandy Clay	
3.	11 - 19	8	Dry sand	
4.	19 - 23	4	Clay kankar	
5.	23 - 40	17	Fine to medium sand	Good
6.	40 - 46	6	Clay kankar	
7.	46 - 55*	9	Medium sand	Good
8.	55 - 62	7	Clay kankar	
9.	62 - 73*	11	Fine to medium sand	Good
10.	73 - 77	4	Clay kankar	
11.	77 - 105*	28	Medium sand	Good
12.	105 - 118	13	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 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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Rho a
 NT6 (SN: N64(LN))
 LAT
 Logging V. Kishorini
 Block, Hastapur Distt
 Ametha
 LOGGINGUP
 23 Nov 2022
 19:45
 Utharsh Gupta (09)

SP (mV)

