

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-B-616

Date:- 25-05-2023

NAME OF SITE

GRAM PANCHAYAT- Aurangabad

BLOCK- Salarpur

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



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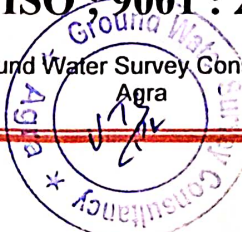
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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

(M) : 9412260823, 9794625420, 9761163000, Email : gwsc_agra@yahoo.com

ISO : 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- AURANGABAD, BLOCK- SALARPUR, DISTT.- BADAUN
UNDER
JAL JIVAN MISSION

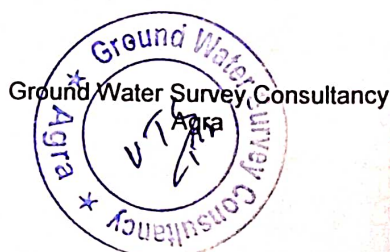
Introduction :

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, Badaun.

On the request of M/S PNC-SPML-JV, Badaun. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 25.May.2023.

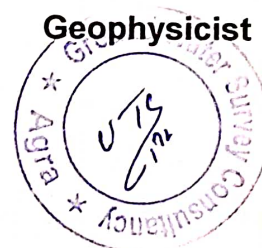
Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 20	15	Dry sand	
3.	20 - 25	5	Fine sand	
4.	25 - 30	5	Clay kankar	
5.	30 - 55	25	Fine to Medium sand	Good
6.	55 - 60	5	Clay kankar	
7.	60 - 81*	21	Medium sand	Good
8.	81 - 90	9	Clay kankar	
9.	90 - 98*	8	Fine to Medium sand	Good
10.	98 - 105	7	Clay kankar	
11.	105 - 117*	12	Fine to Medium sand	Good
12.	117 - 124	7	Clay kankar	
13.	124 - 130*	6	Fine to Medium sand	Good



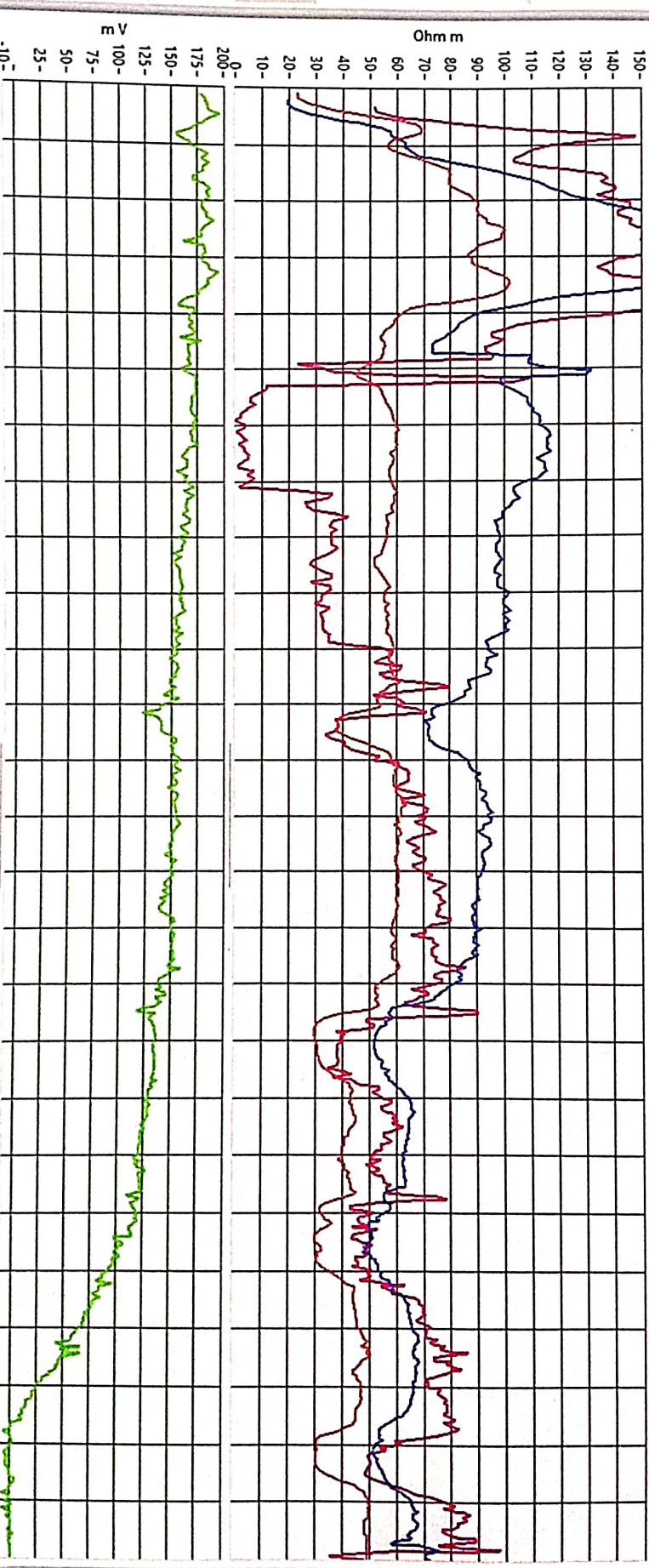
Conclusions and Recommendations :-

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.



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Rho a
 M16 (SN)
 NS4(LN)
 LAT
 Logging Details:
 IGS/5/04/21-22
 NS4120004 AP04/011
 URLOGSN16
 23 May 2023
 0745
 Agra (India)



Logger's No: IGS/5/04/21-22
 Logger Model: SP (m V)
 DMP-2
 Logged Over by:

GROUND WATER SURVEY CONSULTANCY - AGRA INDIA

