

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:-A-2061

Date:- 30-10-2023

NAME OF SITE

GRAM PANCHAYAT - Achalpur BLOCK - Islamnagar DISTT - Badam

NAME OF AGENCY

M/s PNC-SPML-JV
Badam



GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.
112 A-Shree Nagar Colony, Firuzabad 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- ACHALPUR, BLOCK- ISLAMNAGAR,

DISTT- BADAUN

UNDER

JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 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 in the above bore hole using IGIS Well Logger on 30.Oct.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 - 17 | 12 | Dry sand | |
| 3. | 17 - 30 | 13 | Clay kankar | |
| 4. | 30 - 44 | 14 | Medium sand | Medium |
| 5. | 44 - 66 | 22 | Clay kankar | |
| 6. | 66 - 77* | 11 | Medium sand | Medium |
| 7. | 77 - 81 | 4 | Clay kankar | |
| 8. | 81 - 94* | 13 | Medium sand & kankar | Medium |
| 9. | 94 - 105 | 11 | Clay kankar | |
| 10. | 105 - 115* | 10 | Medium sand | Medium |
| 11. | 115 - 122 | 7 | Clay kankar | |
| 12. | 122 - 134* | 12 | Medium sand & kankar | Medium |
| 13. | 134 - 140 | 6 | Clay kankar | |

Ground Water Survey Consultancy



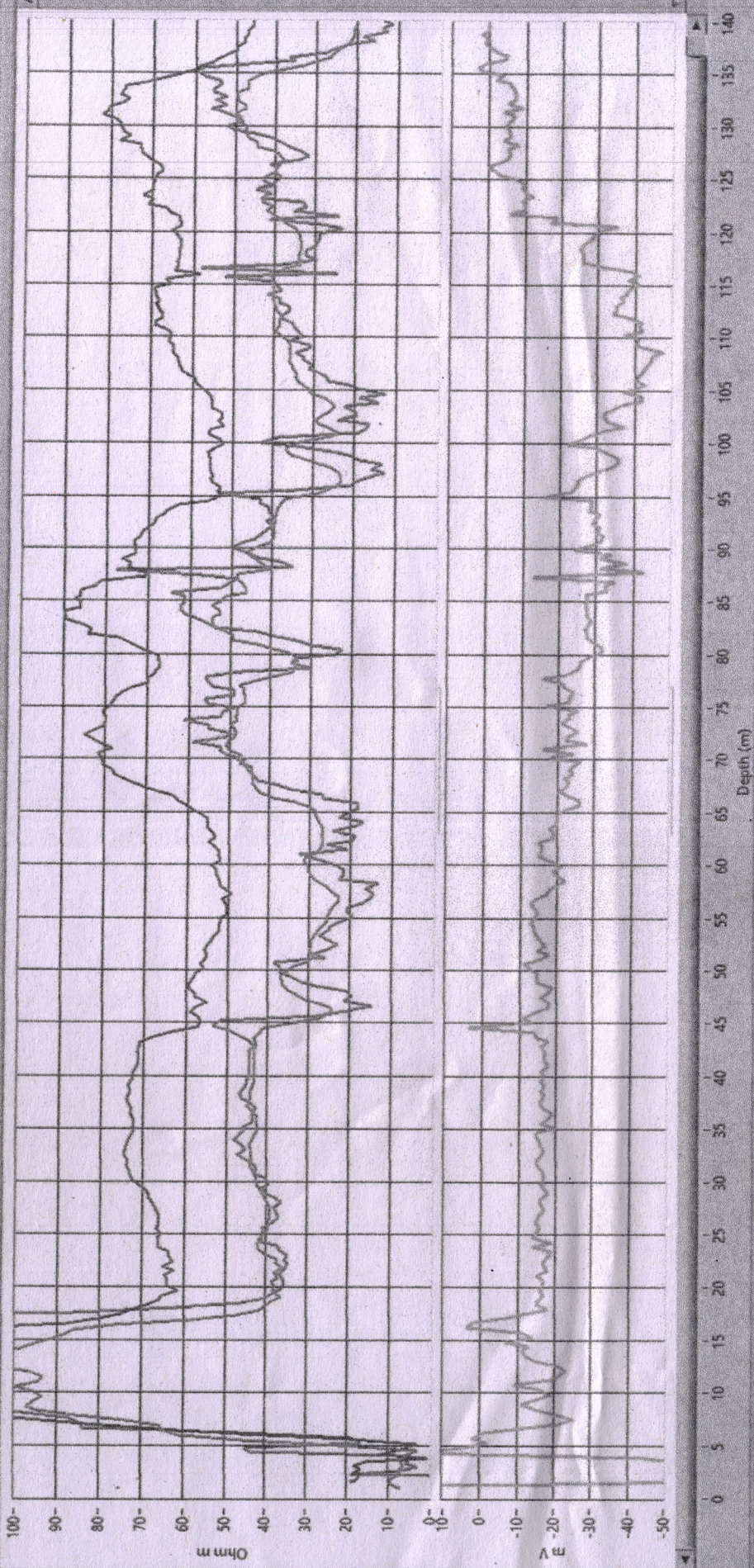
Conclusions and Recommendations :-

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

Ground Water Survey Consultancy



Rho a
 NT16 (SN)
 NG4(LN)
 LAT

Logging Details:
 Logging GP Achrakar Block
 19 km near Dutt Bldg
 Sp. LOGGINGUP
 30 Oct 2013
 12:18
 Uparath Gupta (A-G)

Logger S/ No.
 GIS/S/01/21-22

SP (m V)

Logger Model:
 DMPL-2

Logger Owned by:
 GROUND WATER
 SURVEY
 CONSULTANCY
 AGRA, UP, India

