

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-2038

Date:- 29-10-2023

NAME OF SITE

GRAM PANCHAYAT-Tikuri BOCK- Wazirganj DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



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
Agra

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- TIKURI, BLOCK- WAZIRGANJ,
DISTT- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

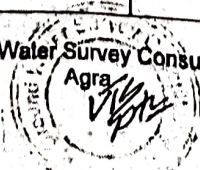
A Deep bore hole was drilled 140 mtrs. depth, and Logged depth 140 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

On the request of M/S PNC-SPML-JV, Badaun, a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 29.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 - 21 | 16 | Dry sand | |
| 3. | 21 - 34 | 13 | Clay kankar | |
| 4. | 34 - 51 | 17 | Medium sand | Medium |
| 5. | 51 - 55 | 4 | Clay kankar | |
| 6. | 55 - 58* | 3 | Medium sand | Medium |
| 7. | 58 - 60 | 2 | Clay kankar | |
| 8. | 60 - 67* | 7 | Medium sand | Medium |
| 9. | 67 - 72 | 5 | Clay kankar | |
| 10. | 72 - 82* | 10 | Medium sand | Medium |
| 11. | 82 - 89 | 7 | Clay kankar | |
| 12. | 89 - 98* | 9 | Medium sand | Medium |
| 13. | 98 - 114 | 16 | Clay kankar | |
| 14. | 114 - 121* | 7 | Medium sand | Medium |
| 15. | 121 - 126 | 5 | Clay kankar | |
| 16. | 126 - 130* | 4 | Medium sand | Medium |
| 17. | 130 - 133 | 3 | Clay kankar | |
| 18. | 133 - 135* | 2 | Medium sand | Medium |
| 19. | 135 - 140 | 5 | Clay kankar | Medium |

Ground Water Survey Consultancy
Agra



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

B No. 2

M16 (SN)
M16 (SN)
M16 (SN)
LAT

Logging Details:

Logging Co: Fair Isaac
Washington Dist. Bureau
SP: 1000-1000
21 Dec 1953
10-23
Upper Ground Water

Logger's Name:

10555/01/21-22

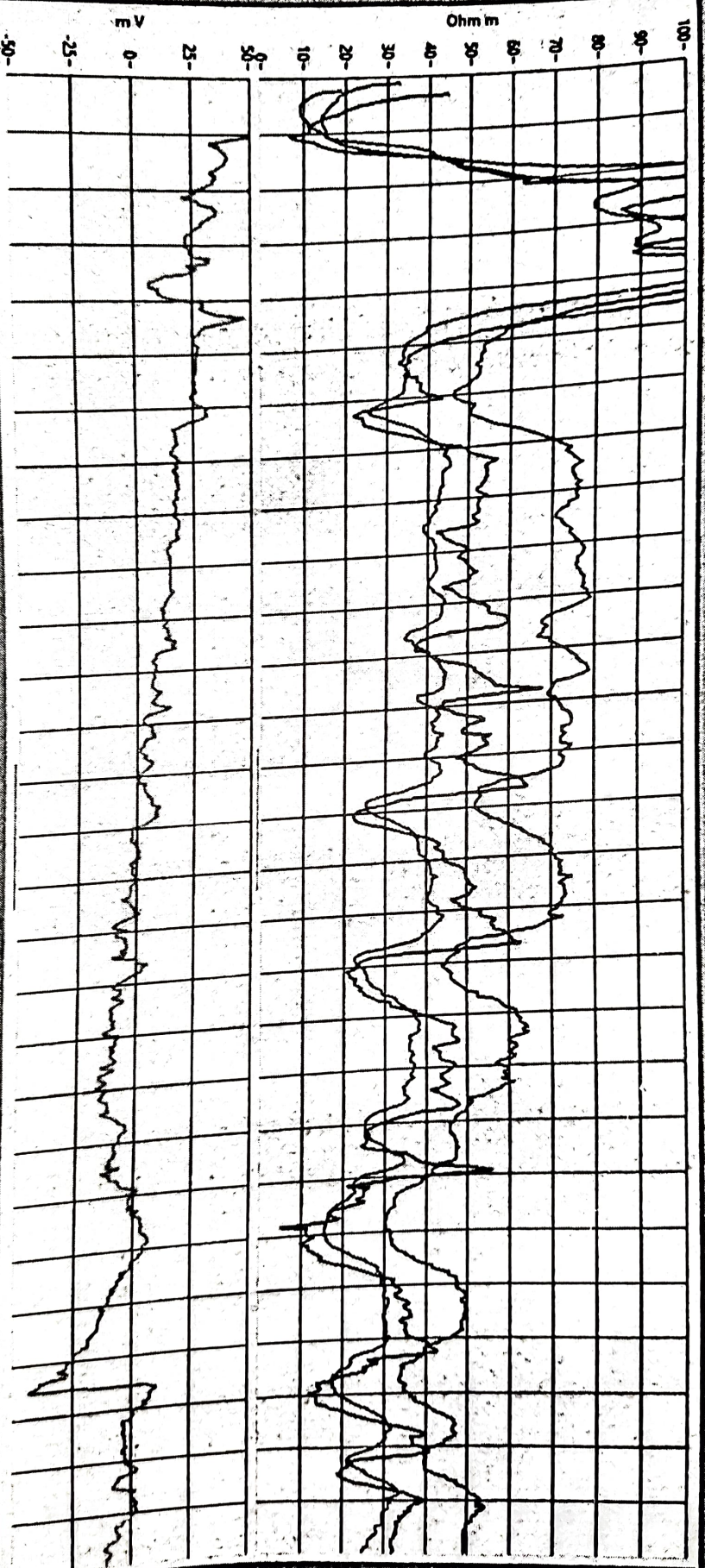
B SP (mV)

Logger's Name:

DMPL-2

Logger's Name:

GROUND WATER
SURVEY
CONSULTANCY
AGRA UP, India



0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140

Depth (m)