

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-N-1037

Date:- 01-02-2023

NAME OF SITE

GRAM PANCHAYAT- Chandpura Qadim BLOCK- Milak DISTT- Rampur

NAME OF AGENCY

M/s PNC-SPML-JV
Moradabad
22, CAMAC STREET, BLOCK-A, 3rd FLOOR, KOLKATA-700016

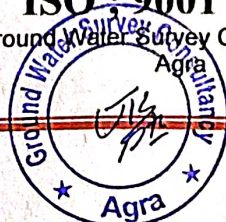


GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.
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ISO : 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT-CHANDPURA QADIM, BLOCK- MILAK, DISTT- RAMPUR
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, 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 01.Feb.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 - 15 | 10 | Fine sand | |
| 3. | 15 - 18 | 3 | Clay kankar | |
| 4. | 18 - 60* | 42 | Medium sand | Medium |
| 5. | 60 - 63 | 3 | Clay kankar | |
| 6. | 63 - 80* | 17 | Medium sand | Medium |
| 7. | 80 - 82 | 2 | Clay kankar | |
| 8. | 82 - 88* | 6 | Medium sand | Medium |
| 9. | 88 - 91 | 3 | Clay kankar | |
| 10. | 91 - 110* | 19 | Medium sand & kankar | Medium |
| 11. | 110 - 115 | 5 | Clay kankar | |
| 12. | 115 - 118* | 3 | Medium sand | Medium |
| 13. | 118 - 122 | 4 | Clay kankar | |
| 14. | 122 - 130* | 8 | Medium sand | Medium |

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

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Rho a
 N 16(SN)
 N 64(LN)
 LAT

Location:
 LEG 19 V Chardola
 Olden Post, N. INDIA
 Survey/
 Log No:
 UZ/CGS/18.4
 Date
 01 Feb 2023
 Time
 13.46
 Operator
 Usham Gada (S)
 Wire Code

□

SP

