

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:- 780

Date:- 08-09-2022

NAME OF SITE

GRAM PANCHAYAT- Devipura Moshinpur
DISTT- Amroha

BLOCK- Dhanaura

NAME OF AGENCY

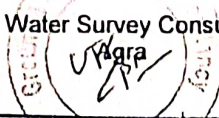
M/s PNC-SPML-JV
Moradabad
22, CAMAC STREET, BLOCK-A, 3rd FLOOR, KOLKATA-700016



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- DEVIPURA MOSHINPUR, BLOCK- DHANAURA
DISTT- AMROHA
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 105 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Moradabad.

On the request of Mr. Pankaj Sinha, Sr. Projects Managar. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 08.Sep.2022.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major equifer 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 | Medium sand | |
| 3. | 15 - 21 | 6 | Clay kankar | |
| 4. | 21 - 50* | 29 | Medium sand | Good |
| 5. | 50 - 69 | 19 | Clay kankar | |
| 6. | 69 - 91* | 22 | Medium sand | Good |
| 7. | 91 - 97 | 6 | Clay kankar | |
| 8. | 97 - 100* | 3 | Medium sand | Good |
| 9. | 100 - 105 | 5 | Sandy clay | |

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Conclusions and Recommendations :-

1. The Lithology broadly tallies with that of drill cutting starta 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. Expected discharge is 700 to 800 L.P.M.
5. 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.
6. 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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Res: 1
 N16(SW)
 N64(W)
 LAT

Location:
 102° 37' 30" E
 26° 12' 30" N
 Date:
 12/12/11
 Time:
 10:30 AM
 Station:
 102° 37' 30" E
 26° 12' 30" N

