

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MIYAGANJ, BLOCK- SHAHABAD,
DISTT- RAMPUR

UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 mtrs. depth and logged depth 135 mtrs. at above site was drilled by NKG Infrastructure Limited, New Delhi.

On the request of NKG Infrastructure Limited, New Delhi. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 29.Nov.2022.

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 - 10 | 5 | Clay | |
| 3. | 10 - 26 | 16 | Fine sand | |
| 4. | 26 - 47 | 21 | Medium sand | Good |
| 5. | 47 - 50 | 3 | Clay kankar | |
| 6. | 50 - 60* | 10 | Medium sand | Good |
| 7. | 60 - 63 | 3 | Clay kankar | |
| 8. | 63 - 80* | 17 | Medium sand | Good |
| 9. | 80 - 92 | 12 | Kankar & sand | |
| 10. | 92 - 120* | 28 | Medium sand & kankar | Good |
| 11. | 120 - 125 | 5 | Clay kankar | |
| 12. | 125 - 130* | 5 | Medium sand | Good |
| 13. | 130 - 135 | 5 | Clay kankar | |

