

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- CHAMDELA, BLOCK- BILASPUR, DISTT- RAMPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 120 mtrs. at above site. Was drilled by M/s LC Infra Projects Pvt. Ltd., Rampur.

On the request of M/s LC Infra Projects Pvt. Ltd., Rampur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 17.Mar.2024.

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 - 7 | 2 | Clay kankar | |
| 3. | 7 - 10 | 3 | Fine sand | |
| 4. | 10 - 21 | 11 | Clay kankar | |
| 5. | 21 - 25 | 4 | Fine to Medium sand | Medium |
| 6. | 25 - 53 | 28 | Clay kankar | |
| 7. | 53 - 60* | 7 | Medium sand | Medium |
| 8. | 60 - 75 | 15 | Clay kankar | |
| 9. | 75 - 81* | 6 | Medium sand | Medium |
| 10. | 81 - 90 | 9 | Clay kankar | |
| 11. | 90 - 94* | 4 | Fine to Medium sand & kan | Medium |
| 12. | 94 - 120 | 26 | Clay kankar | |

Ground Water Survey Consultancy

