

REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT - VIKRAMPUR CHARSORA, BLOCK - ISALAM NAGAR
 DISTT. - BADAUN
 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 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 18 Apr. 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 - 12 | 7 | Clay kankar | |
| 3. | 12 - 20 | 8 | Dry sand | |
| 4. | 20 - 47 | 27 | Fine sand | Good |
| 5. | 47 - 60 | 13 | Clay Kankar | |
| 6. | 60 - 66* | 6 | Fine to Medium sand | Good |
| 7. | 66 - 72 | 6 | Clay Kankar | |
| 8. | 72 - 91* | 19 | Medium sand | Good |
| 9. | 91 - 97 | 6 | Kankar | |
| 10. | 97 - 107 | 10 | Clay | |
| 11. | 107 - 120* | 13 | Fine to Medium sand | Medium |

