

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTOLOGGING REPORT**

Ref No:- 1226

Date:- 18-11-2022

NAME OF SITE

Gram Panchayat- Sahawar Khera BLOCK- Wazirganj DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



GROUND WATER SURVEY CONSULTANCY
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ISO ; 9001 : 2015

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- SAHAWAR KHERA, BLOCK- WAZIRGANJ

DISTT.- BADAUN

UNDER

JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 110 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.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 - 24 | 19 | Dry sand & kankar | |
| 3. | 24 - 32 | 8 | Clay kankar | |
| 4. | 32 - 57* | 25 | Medium sand | Good |
| 5. | 57 - 63 | 6 | Clay kankar | |
| 6. | 63 - 75* | 12 | Medium sand | Good |
| 7. | 75 - 80 | 5 | Clay kankar | |
| 8. | 80 - 93* | 13 | Medium sand | Good |
| 9. | 93 - 97 | 4 | Clay kankar | |
| 10. | 97 - 101* | 4 | Medium sand | Good |
| 11. | 101 - 110 | 9 | Clay kankar | |



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 Good.
4. Expected discharge is 600 to 700 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



Ground Water Survey Consultancy

Ring 1
 N16 (SN)
 NS4(LIN)
 LAT

Logging VI Sahasrati
 Kheda Block
 Wazirpur Dist
 Bhandra
 LOGGICUP
 18 Nov 2022
 12:30
 Umlesh Gupta (G)

SP (mV)

