

GROUND WATER SURVEY CONSULTANCY  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL  
ELECTOLOGGING REPORT

Ref Nos- 991

Date:- 08-10-2022

NAME OF SITE

Gram Panchayat- Hasanpur Raskoopa      BLOCK- Dadrol  
DISTT- Shahjahanpur

NAME OF AGENCY

M/s NCC Ltd.  
Shahjahanpur



GROUND WATER SURVEY CONSULTANCY  
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**ISO ; 9001 : 2015**

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Agra

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- HASANPUR RASKOOPA, BLOCK- DADROL  
DISTT- SHAHJAHANPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

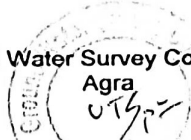
A Deep bore hole was drilled 125 mtrs. depth. and Logged depth 123 mtrs. at above site. Was drilled by M/S NCC Ltd., Shahjahanpur.

On the request of M/S NCC Ltd., Shahjahanpur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 08.Oct.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           | Clay kankar         |                        |
| 3.    | 15 - 45        | 30           | Fine sand           | Good                   |
| 4.    | 45 - 50        | 5            | Kankar with Sand    |                        |
| 5.    | 50 - 65        | 15           | Fine sand           | Good                   |
| 6.    | 65 - 70        | 5            | Clay                |                        |
| 7.    | 70 - 80*       | 10           | Medium sand         | Good                   |
| 8.    | 80 - 85        | 5            | Kankar              |                        |
| 9.    | 85 - 100*      | 15           | Fine to Medium sand | Good                   |
| 10.   | 100 - 110      | 10           | Clay kankar         |                        |
| 11.   | 110 - 120*     | 10           | Medium sand         | Good                   |
| 12.   | 120 - 123      | 3            | Clay kankar         |                        |

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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. 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.
5. 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**

Rno 2  
 N16(SW)  
 N64(LN)  
 LAT

DATE OF SURVEY  
 SURVEY LOCATION  
 SURVEYOR  
 NO. OF RECORDS  
 DATE OF SURVEY  
 SURVEY AREA

SP (mV)

