

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTOLOGGING REPORT

Ref No:- 364

Date:- 10-06-2022

NAME OF SITE

Gram Panchayat- Noorpur Narsuiya BLOCK- Mirzapur
DISTT- Shahjahanpur

NAME OF AGENCY

M/s NCC Ltd.
Shahjahanpur



GROUND WATER SURVEY CONSULTANCY

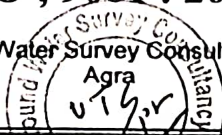
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- NOORPUR NARSUIYA, BLOCK- MIRZAPUR
DISTT- SHAHJAHANPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 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 10.June.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 - 20	15	Sandy clay	
3.	20 - 25	5	Clay kankar	
4.	25 - 36	11	Medium sand & Kankar	Medium
5.	36 - 50	14	Clay kankar	
6.	50 - 60*	10	Medium sand	Medium
7.	60 - 72	12	Clay kankar	
8.	72 - 78*	6	Fine to Medium sand	Medium
9.	78 - 100	22	Clay kankar	
10.	100 - 115*	15	Medium sand	Medium
11.	115 - 122	7	Clay kankar	
12.	122 - 125*	3	Fine to Medium sand	Medium
13.	125 - 140	15	Clay kankar	

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 Medium.
4. Expected discharge is 800 to 900 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

Rho_a
 N16(SV)
 N64(LN)
 LAT

Logging V1 Hoorpur
 Harsyua Block
 Harsapur Distt
 Shahjahanpur
 LOGG11GD01m
 10 Jun 2022
 14.25
 Utkarsh Gupta (I)

SP (mV)

