# DUND WATELS. RVEY CONSULTANCY

## GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

### GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:- N-1096

Date: - 08-02-2023

#### NAME OF SITE

Gram Panchayat- Khakhoodi

BLOCK-Jalalabad

DISTT- Shahjahanpur

#### NAME OF AGENCY

M/s NCC Ltd. Shahjahanpur



MATTES RATY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.
112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006
(M): 9412260823, 9794625420, 9761163000, Email: gwsc\_agra@yahoo.com

ISO; 9001: 2015

Ground Water Subtly Consultancy

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KHAKHOODI, BLOCK- JALALABAD, DISTT- SHAHJAHANPUR UNDER JAL JIVAN MISSION

#### Introduction:

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 130 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.Feb.2023.

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
1.	0 - 5	5	C C	Water Quality
2.	5 - 12	7	Surface soil	
3.	12 - 17	5	Clay kankar	
4.	17 - 21		Fine sand	
5.	21 - 27	4	Clay kankar	
6.		6	Medium sand	Cood
	27 - 31	4	Clay kankar	Good
7.	31 - 47	16	Medium sand	
8.	47 - 57	10	Clay kankar	Good
9.	57 - 65	8		
10.	65 - 73	8	Medium sand	Good
11.	73 - 86*		Clay kankar	
12.	86 - 90	13	Medium sand & kankar	Good
13.		4	Clay kankar	3000
	90 - 102*	12	Medium sand & kankar	Good
14.	102 - 130	28	Clay kankar	Good



#### Conclusions and Recommendations :-

- The Lithology broadly tallies with that of drill cutting strata chart.
- The zones marked with asterisk (\*) appear to be aquifer zones for possible development of tubewell.
- The Quality of water is expected Good.
- 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.
- 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.

Ground Water Survey Consultancy

Lagran
Lagran
Extra Lagran
Extra Lagran
Strippens
Lagran
L MURSH N MESSIN N MESSIN N s K A Ohm m 9-\$ 125-8 7 25-D+ Un-5-**5**-8-25-R. J. 8-光-8-\$-8-55-8-Depth(m) S-7-3-8-8-8-**%**-횽-ヌ-ᇙ ਛ-귱-25-

