### GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

#### **GEO-PHYSICAL WELL ELECTOLOGGING REPORT**

Ref No:-A- 771

Date:- 11-06-2023

#### NAME OF SITE

GRAM PANCHAYAT- Kota Alinagar BLOCK- Bilaspur

**DISTT- Rampur** 

#### NAME OF AGENCY

M/s PNC-SPML-JV Rampur 22, CAMAC STREAT, BLOCK-A, 3rd FLOOR, KOLKATA-700016



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> ISO ; 9001 : 2015 Ground Water Stiffey Consultancy Agra

## REPORT ON GEOPHYSICAL WELL LOGGING AT

# GRAM PANCHAYAT- KOTA ALINAGAR, BLOCK- BILASPUR, DISTT- RAMPUR UNDER JAL JIVAN MISSION

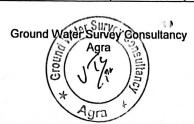
#### Introduction:

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 122 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Rampur.

On the request of M/S PNC-SPML-JV, Rampur.. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 11.June.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 Water Quality
1.	0 - 5	5	Surface soil	` ,
2.	5 - 8	3	Clay	
3.	8 - 12	4	Fine sand	Med to Good
4.	12 - 20	8	Clay kankar	
5.	20 - 28	8	Medium sand	Med to Good
6.	28 - 31	3	Clay kankar	
7.	31 - 38	7	Medium sand	Med to Good
8.	38 - 50	12	Clay kankar	1
9.	50 - 59*	9	Medium sand	Med to Good
10.	59 - 65	6	Clay kankar	, '
11.	69 - 72*	3	Medium sand	Med to Good
12.	72 - 80	8	Clay kankar	
13.	80 - 85	5	Medium sand	Med to Good
14.	85 - 100	15	Clay kankar	
15.	100 - 110*	10	Medium sand	Med to Good
16.	110 - 122	12	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 Medium to 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.
- 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

