

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- 1463

Date:- 29-12-2022

NAME OF SITE

GRAM PANCHAYAT- Narkheri BLOCK- Shahabad DISTT- Rampur

NAME OF AGENCY

**M/s PNC-SPML-JV
Moradabad
22, CAMAC STREET, BLOCK-A, 3rd FLOOR, KOLKATA-700016**



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

ISO ; 9001 : 2015

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- NARKHERI, BLOCK- SHAHABAD, DISTT- RAMPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 139 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Moradabad.

On the request of Mr. Pankaj Sinha, Sr. Projects Managar. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 29.Dec.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 - 16	11	Fine sand	
3.	16 - 25	9	Clay kankar	
4.	25 - 47	22	Medium sand	Good
5.	47 - 50	3	Kankar	
6.	50 - 55*	5	Medium sand	Good
7.	55 - 58	3	Kankar	
8.	58 - 67*	9	Medium sand	Good
9.	67 - 74	7	Clay kankar	
10.	74 - 83*	9	Medium sand	Good
11.	83 - 86	3	Clay kankar	
12.	86 - 95*	9	Medium sand	Good
13.	95 - 105	10	Clay kankar	
14.	105 - 124*	19	Medium sand	Good
15.	124 - 132	8	Clay kankar	
16.	132 - 139*	7	Medium sand	

Ground Water Survey Consultancy



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

