

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-A-1388

Date:- 14-08-2023

NAME OF SITE

GRAM PANCHAYAT- Jatpura

BLOCK- Swar

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 : gwsc_agra@yahoo.com

ISO ; 9001 : 2015

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- JATPURA, BLOCK- SWAR, DISTT- RAMPUR UNDER JAL JIVAN MISSION

Introduction :

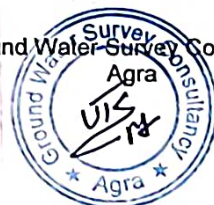
A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 130 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Moradabad.

On the request of M/S PNC-SPML-JV, Moradabad. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 14.Aug.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 - 10	5	Fine to Medium sand	
3.	10 - 25	15	Clay kankar	
4.	25 - 29	4	Fine sand	
5.	29 - 50	21	Clay kankar	
6.	50 - 60*	10	Medium sand	Medium
7.	60 - 63	3	Clay kankar	
8.	63 - 73*	10	Medium sand	Medium
9.	73 - 96	23	Clay kankar	
10.	96 - 111*	15	Medium sand	Medium
11.	111 - 123	12	Clay kankar	
12.	123 - 130	7	Kankar with sand	

Ground Water Survey Consultancy



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.
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.



Ground Water Survey Consultancy

Rho a
 N16 (SN)
 N64(LN)
 LAT

Logging Details:
 Logging G2 Jansari 8 Oct
 Smta Dr. P. K. Singh
 U.P. GOSWAMI
 14 Aug 2013
 21.21
 Udhwa G. Jansari (AG)

Logger S No:
 IGIS/SDU/21-22

SP (m V)
 Logger Model:
 DMP-2
 Logger Owned by:
 GROUND WATER
 SURVEY
 CONSULTANCY
 - AGRA INDIA

