GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTOLOGGING REPORT

Ref No:-B-327 Date:- 11-09-2024

NAME OF SITE

GRAM PANCHAYAT- Nagawa Khurd Urf Kataila Scheme Andhaun Zone -6 TW-2
BLOCK- Sadar DISTT- Ghazipur

NAME OF AGENCY

M/s VSAIPPL-SMC-JV
Ghazipur

GROUND WATER SURVEY CONSULTANCY
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ISO ; 9001 : 2015

Ground Water Survey Consultancy
Agra

REPORT ON GEOPHYSICAL WELL LOGGING
AT

GRAM PANCHAYAT- NAGAWA KHURD URF KATAILA SCHEME - ANDHAUN ZONE -6
TW NO.-2, BLOCK- SADAR, DISTT- GHAZIPUR

UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 200 mtrs. depth. and Logged depth 200 mtrs. at above site. Was drilled by M/s c. Ghazipur.

On the request of M/S VSAIPPL-SMC-JV. Ghazipur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 11.September.2024.

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:-

Mud Resistivity = 15.90 Ohms.
Drilling Water Resistivity = 16.21 Ohms.
Approx Water Level = 6 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	10 - 14	4	Fine sand	Good
2.	43 - 50	7	Medium sand	Good
3.	55 - 62	7	Fine to medium sand & kankar	Good
4.	67 - 88	21	Medium sand & kankar	Good
5.	93 - 100	7	Medium sand & kankar	Good
6.	105 - 110	5	Fine sand	Good
7.	121 - 134	13	Fine to medium sand	Good
8.	145 - 155	10	Fine to medium sand	Good
9.	161 - 165	4	Fine to medium sand	Good

Note :- 1. Please ensure pre-monsoon water level before lower the well assembly
2. Clay kankar is present in depth range 15-42, 51-54, 63-66, 89-92, 101-104, 111-120, 135-144, 156-160 and 166 Mtr bgl to till depth logged.

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Geologist