



GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006
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Ref No..... Date 18.11.23

GEOPHYSICAL ELECTRICAL WELL LOGGING FIELD REPORT

DETAIL OF WATER BEARING ZONES

Name Of Agency- P.M.C. S.P.M.L. J.K. Al Aman, Bareilly
Village- Chhatua Block- Uthman
District- Bareilly Logging Depth- 140 mtr
Drilling Depth- 140 mtr Water Level- 15 mtr

S.No	Depth in Mtr.	Lithology	Expected Water Quality
1	0 - 5	Surface Soil	
2	5 - 10	Dry Sand	
3	10 - 17	clay loams	
4	17 - 25	Medium Sand	Medium
5	25 - 35	clay loams	
6	35 - 39	fine to med sand	medium
7	39 - 61	clay loams	
8	61 - 67	Medium Sand	Medium
9	67 - 76	clay loams	
10	76 - 99	Medium Sand	Medium
11	99 - 110	clay loams	
12	110 - 129	fine to med sand	fine to med sand
13	129 - 131	clay loams	
14	131 - 140	fine sand	
15			
16			
17			
18			
19			
20			
21			
22			
23			



Expected Water Bearing Zone

For Ground Water Survey Consultancy

Geophysicist
Geophysicist

Specializations In

Electric Well Logging, Geophysical Survey, Resistivity Survey, Rainwater Harvesting,
Construction of Recharge Well, Rectification of Tubewells, Ground Water Investigations

GROUND WATER SURVEY CONSULTANCY
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**GEO-PHYSICAL WELL
ELECTOLOGGING REPORT**

Ref No:-A-2204

Date:- 18-11-2023

NAME OF SITE

GRAM PANCHAYAT- Chhatuia BLOCK- Ujhani DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



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Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- CHHATUIA, BLOCK- UJHANI, DISTT- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

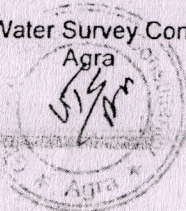
A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

On the request of M/S PNC-SPML-JV, Badaun. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 18.Nov.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	Dry sand	
3.	10 - 17	7	Clay kankar	
4.	17 - 25	8	Medium sand	Medium
5.	25 - 35	10	Clay kankar	
6.	35 - 39	4	Fine to Medium sand	Medium
7.	39 - 61	22	Clay kankar	
8.	61 - 67*	6	Medium sand	Medium
9.	67 - 76	23	Clay kankar	
10.	76 - 99*	13	Medium sand	Medium
11.	99 - 110	11	Clay kankar	
12.	110 - 128*	18	Medium sand	Medium
13.	128 - 131	3	Clay kankar	
14.	131 - 140	9	Fine sand	

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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.

Geophysicist



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Box 1
N 6 DN
N 6 DN
LAT

Logging Device
Model: 6 Channel 500
Serial: 100000000
Date: 11 Nov 2012
Time: 11:41
Water Temp: 14.2

Logger's Name
G.S.S./02/22-23

SP (m V)

Logger Model
DMPL-2

Logger Owned by
GROUND WATER
SURVEY
CONSULTANCY
AGRA, UP, INDIA

