

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-B-997

Date:-18-06-2023

NAME OF SITE

GRAM PANCHAYAT- Abhigaon

BLOCK- Mion

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



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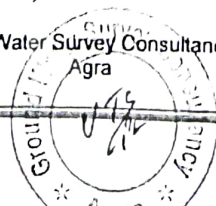
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

Ground Water Survey Consultancy
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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- ABHIGAON, BLOCK- MION, DISTT- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

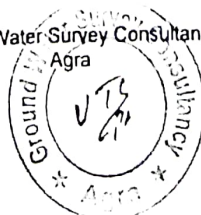
A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

On the request of M/S PNC-SPML-JV, Badaun. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 18.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:-

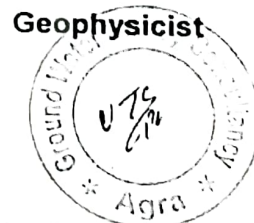
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 21	16	Dry sand	
3.	21 - 25	4	Clay kankar	
4.	25 - 35	10	Fine to Medium sand	
5.	35 - 41	6	Clay kankar	
6.	41 - 52*	11	Medium sand	Good
7.	52 - 57	5	Clay kankar	
8.	57 - 65*	8	Medium sand	Good
9.	65 - 70	5	Clay kankar	
10.	70 - 95*	25	Medium sand & kankar	Good
11.	95 - 102	7	Clay kankar	
12.	102 - 110*	8	Fine to Medium sand	Good
13.	110 - 118	8	Clay kankar	
14.	118 - 127*	9	Medium sand	Good
15.	127 - 134	7	Clay kankar	
16.	134 - 140*	6	Fine to Medium sand	Good

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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 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.



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N16 (S/E)
N64(L/N)

LAT

Logging Details

DATE: 10/10/11
TIME: 10:30
PROJECT: GWS
WELL: N16
LOGGERS: [unclear]

Logger's No

IGIS/S/O/1/10-11

H1

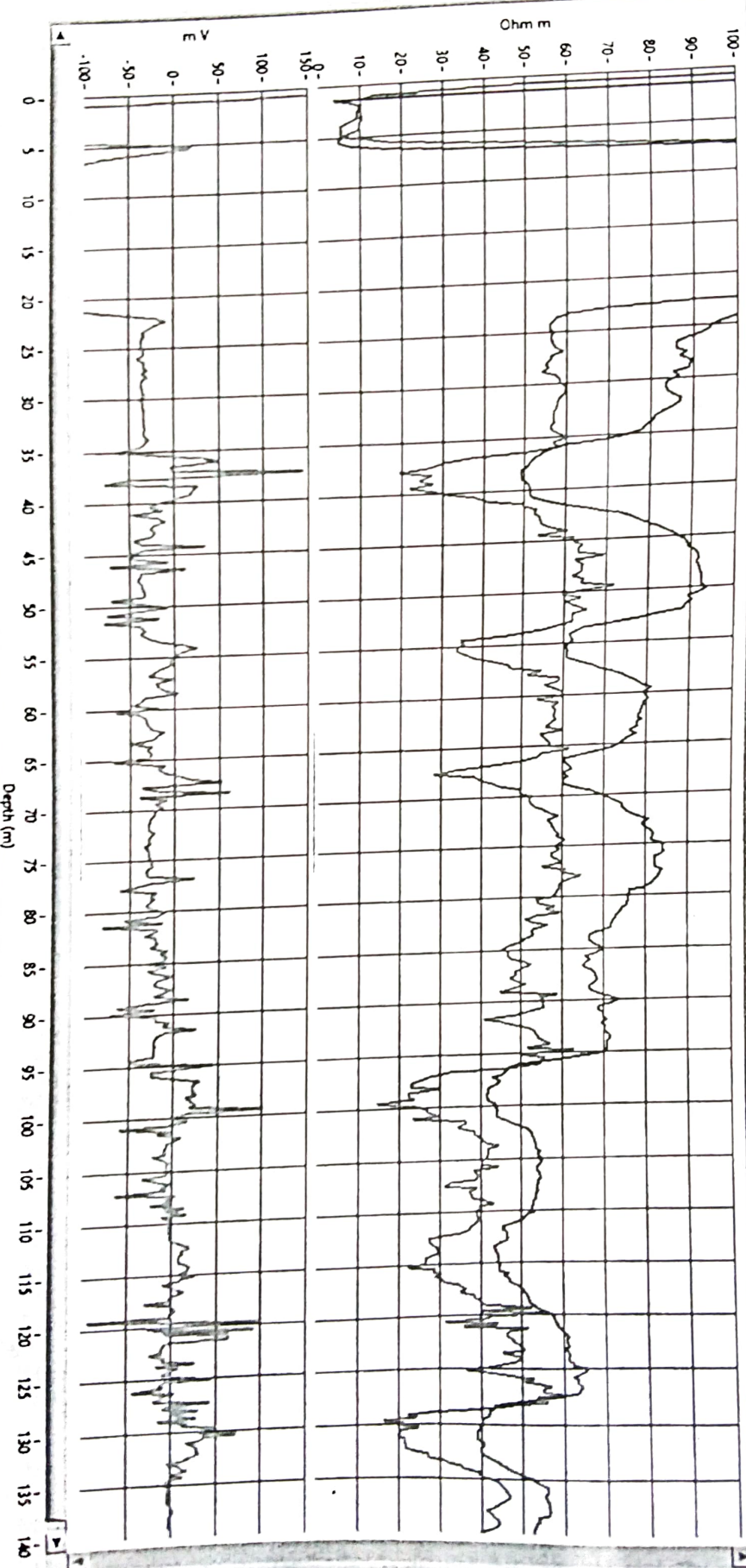
SP (m V)

Logger Used

DMP-L-2

Logger Owned by

GROUND WATER
SURVEY
CONSULTANCY
- AGRA INDIA



Jal Jeevan Mission
 GP - Abhigaon Sandi Block - Mion District - Budaun
 AGENCY : M/S PNC SPML JV AGRA
 Tubewell Assembly Chart

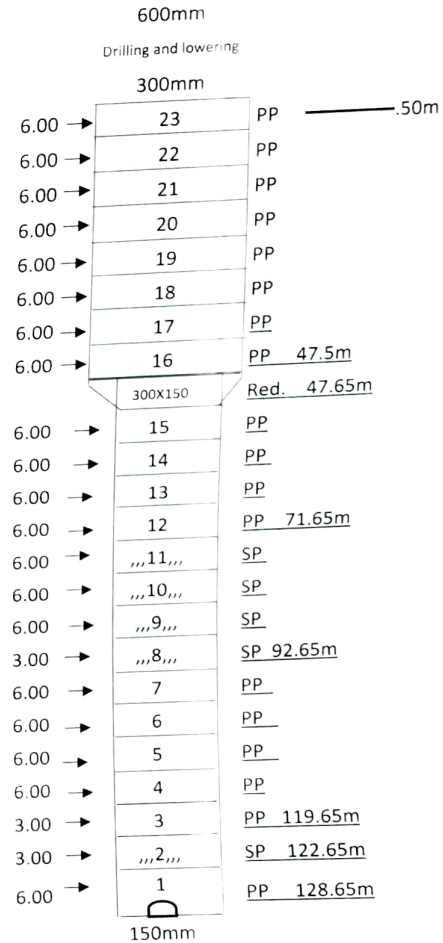


Date - 20-06-2023

Discharge - 700 LPM

S.No.	In Meter
1	57 Mtr. - 65 Mtr.
2	70 Mtr. - 95 Mtr.
3	102 Mtr. - 110 Mtr.
4	118 Mtr. - 127 Mtr.

STRATA
 Medium Sand
 Medium Sand
 Fine to Med. Sand
 Medium Sand



1	Reduce 300X150mm	0.15m
2	AGL	0.50m
3	BGL	128.65m
4	Total assembly lower	129.15m
5	300mm Plain MS Pipe	48m
6	150mm Plain MS Pipe	57m
7	150mm slotted Pipe	24m
8	600dia Drilling Depth	50m
9	450dia Drilling Depth	90m
10	Drilling Depth	140m
11	Drilling logged	140m



faiz/abz
 M/s BLG Construction Pvt. Ltd.
 TPIA

[Signature] JE *[Signature]* AE EE
 (E&M) U P JAL NIGAM (RURAL) MORADABAD

Abdul Ghaem Sandi

Page No.
 Date

Sr. No	Date	Depth		Sample Time		Sample No.	Lithology / Soil
		From	To	Start	Close		
1.	18/06/23	0	3			1	Surface Soil
2.	" " "	3	6			2	" " "
3.	" " "	6	9			3	Dry Sand
4.	" " "	9	12			4	" " "
5.	" " "	12	15			5	" " "
6.	" " "	15	18			6	" " "
7.	" " "	18	21			7	" " "
8.	" " "	21	24			8	Clay Konkast
9.	" " "	24 24	27			9	Fine to medium Sand
10.	" " "	27 27	30			10	" " "
11.	" " "	30 30	33			11	" " "
12.	" " "	33	36			12	" " "
13.	" " "	36	39			13	Clay Konkast
14.	" " "	39	42			14	" " "
15.	" " "	42 42	45			15	Medium Sand
16.	" " "	45	48			16	" " "
17.	" " "	48	51			17	" " "
18.	" " "	51 51	54			18	Clay Konkast
19.	" " "	54	57			19	" " "
20.	" " "	57	60			20	Medium Sand
21.	" " "	60 60	63			21	" " "
22.	" " "	63	66			22	" " "
23.	" " "	66	69			23	Clay Konkast
24.	" " "	69	72			24	" " "
25.	" " "	72 72	75			25	Medium Sand
26.	" " "	75	78			26	" " "
27.	" " "	78	81			27	" " "
28.	" " "	81 81	84			28	" " "
29.	" " "	84	87			29	" " "

Sr. No.	Date	Depth		Sample Time		Sample No.	Lithology & Soil
		From	To	Start	Close		
30.	18/06/23	87	90			30	" " "
31.	" " "	90	93			31	" " "
32.	" " "	93	96			32	" " "
33.	" " "	96	99			33	Clay Konkret
34.	" " "	99	102			34	" " "
35.	" " "	102	105			35	Fine to Medium Sand
36.	" " "	105	108			36	" " "
37.	" " "	108	111			37	" " "
38.	" " "	111	114			38	Clay Konkret
39.	" " "	114	117			39	" " "
40.	" " "	117	120			40	Medium Sand
41.	" " "	120	123			41	" " "
42.	" " "	123	126			42	" " "
43.	" " "	126	129			43	Clay Konkret
44.	" " "	129	132			44	" " "
45.	" " "	132	135			45	" " "
46.	" " "	135	138			46	Fine To Medium Sand
47.	" " "	138	142			47	" " "