

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:-A-1283

Date:- 04-08-2023

NAME OF SITE

GRAM PANCHAYAT- Uraulia

BLOCK- Mion

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



GROUND WATER SURVEY CONSULTANCY
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ISO : 9001 : 2015

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- URAULIA, 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 04.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	Clay	
3.	10 - 20	10	Dry sand	
4.	20 - 30	10	Clay kankar	
5.	30 - 45	15	Fine to Medium sand	Medium
6.	45 - 63	18	Clay kankar	
7.	63 - 100*	37	Medium sand	Medium
8.	100 - 107	7	Clay kankar	
9.	107 - 128*	21	Medium sand	Medium
10.	128 - 140	12	Clay kankar	

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Agre
UJA

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 tube well.
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



Ground Water Survey Consultancy

No. 3

NISSN
NSMIN
LAT

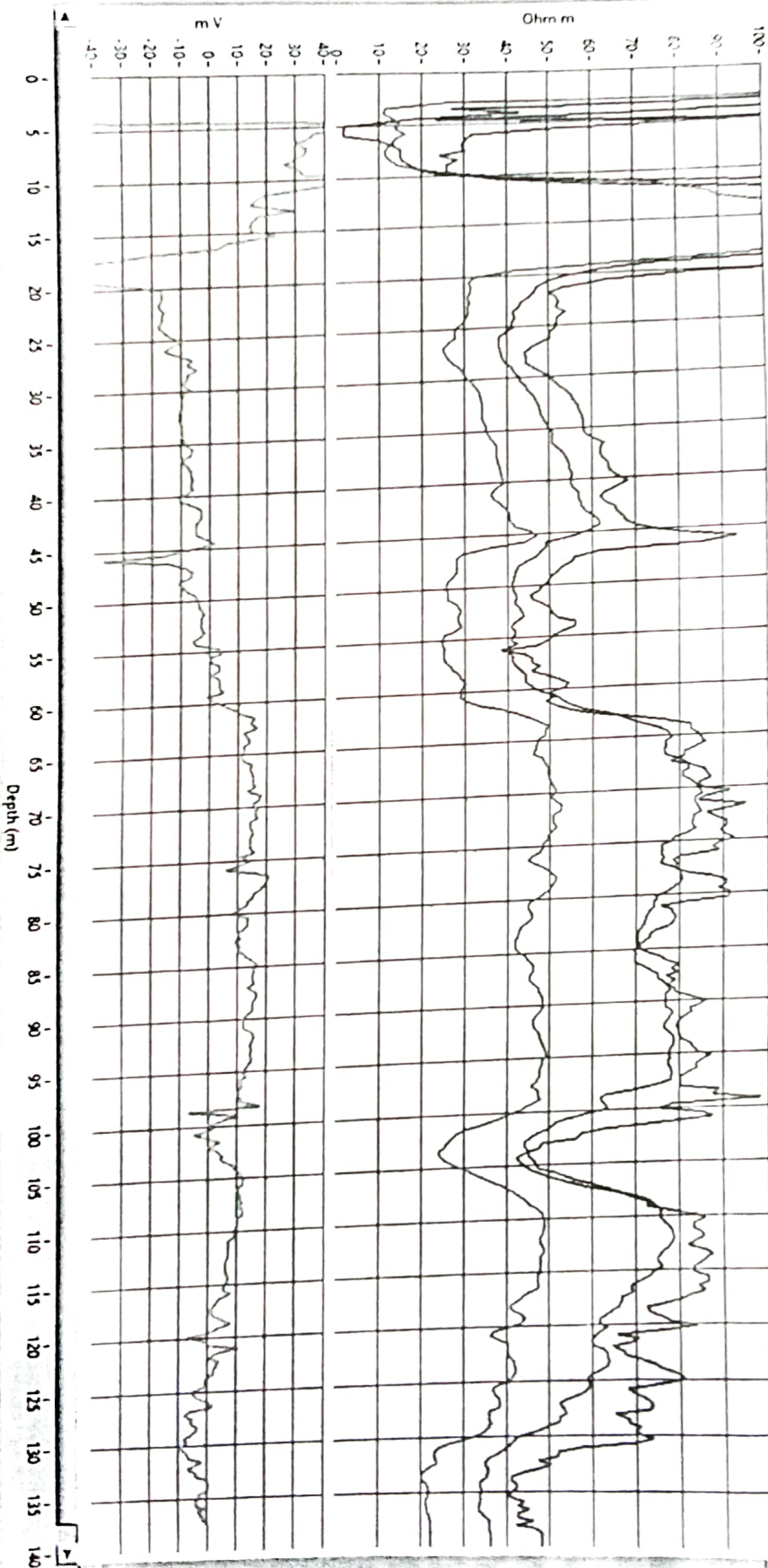
Logging Details

Logger's No
IGIS/SM/21-22

SP (mV)

Logger Name
DHAPL-2

Logger Code by
GROUND WATER
SURVEY
CONSULTANCY
- AGRA, INDIA





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

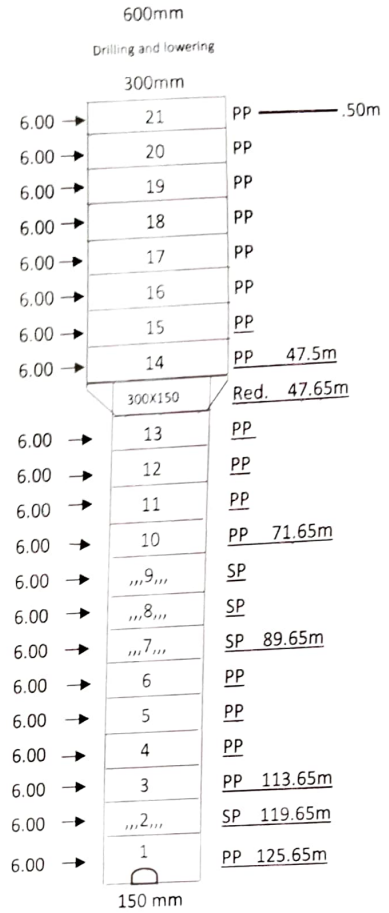


Date - 04-08-2023

Discharge - 750 LPM

S.No.	In Meter
1	63 Mtr. - 100 Mtr.
2	107 Mtr. - 128 Mtr.

STRATA
 Medium Sand
 Medium Sand



1	Reduce 300X150mm	0.15m
2	AGL	0.50m
3	BGL	125.65
4	Total assembly lower	126.15m
5	300 mm Plain MS Pipe	48m
6	150 mm Plain MS Pipe	54m
7	150 mm slotted Pipe	24 m
8	600 dia Drilling Depth	50m
9	450 dia Drilling Depth	90m
10	Drilling Depth	140m
11	Drilling logged	140m

450mm



M/s BLG Construction Pvt. Ltd.
 TPIA

JE AE EE
 (E&M) U P JAL NIGAM (RURAL) MORADABAD

Name - URAULIA, Block - Mion, Dist. Badaun

Sr No.	Date	Depth		Sample Time		Sample No.	Lithology
		From	To	Start	Close		
1	1/8/2023	0	3			1	Surface soil
2	1/8/2023	3	6			2	Surface soil
3	1/8/2023	6	9			3	Clay
4	1/8/23	9	12			4	Dry Sand
5	1/8/23	12	15			5	Dry Sand
6	1/8/23	15	18			6	Dry Sand
7	1/8/23	18	21			7	Dry Sand
8	1/8/23	21	24			8	Clay Kankar
9	1/8/23	24	27			9	Clay Kankar
10	1/8/23	27	30			10	Clay Kankar
11	2/8/23	30	33			11	fine to Medium sand
12	2/8/23	33	36			12	fine to Medium sand
13	2/8/23	36	39			13	fine to Medium sand
14	2/8/23	39	42			14	fine to Medium sand
15	2/8/23	42	45			15	fine to Medium sand
16	2/8/23	45	48			16	Clay Kankar
17	2/8/23	48	51			17	Clay Kankar
18	2/8/23	51	54			18	Clay Kankar
19	2/8/23	54	57			19	Clay Kankar
20	2/8/23	57	60			20	Clay Kankar
21	2/8/23	60	63			21	Clay Kankar
22	2/8/23	63	66			22	Medium sand
23	3/8/23	66	69			23	Medium sand
24	3/8/23	69	72			24	Medium sand
25	3/8/23	72	75			25	Medium sand
26	3/8/23	75	78			26	Medium sand
27	3/8/23	78	81			27	Medium sand
28	3/8/23	81	84			28	Medium sand
29	3/8/23	84	87			29	Medium sand
30	3/8/23	87	90			30	Medium sand
31	3/8/23	90	93			31	Medium sand
32	3/8/23	93	96			32	Medium sand
33	3/8/23	96	99			33	Medium sand
34	4/8/23	99	102			34	Clay Kankar
35	4/8/23	102	105			35	Clay Kankar
36	4/8/23	105	108			36	Medium sand
37	4/8/23	108	111			37	Medium sand
38	4/8/23	111	114			38	Medium sand
39	4/8/23	114	117			39	Medium sand
40	4/8/23	117	120			40	Medium sand
41	4/8/23	120	123			41	Medium sand
42	4/8/23	123	126			42	Medium sand
43	4/9/23	126	129			43	Clay Kankar
44	4/8/23	129	132			44	Clay Kankar
45	4/8/23	132	135			45	Clay Kankar
	4/8/23	135	138				Clay Kankar
	4/8/23	138	140				Clay Kankar