

GROUND WATER SURVEY CONSULTANCY  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT

Ref No:-A-1809

Date:- 08-10-2023

NAME OF SITE

GRAM PANCHAYAT- Muhiuddin Nagar BLOCK- Salarpur DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV  
Badaun

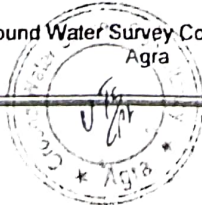


GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.  
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**ISO ; 9001 : 2015**

Ground Water Survey Consultancy  
Agra



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MUHIUDDIN NAGAR, BLOCK- SALARPUR, DISTT- BADAUN  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 127 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 08.Oct.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 - 20	15	Dry sand	
3.	20 - 42	12	Clay kankar	
4.	42 - 45	3	Fine sand	
5.	45 - 55	10	Clay kankar	
6.	55 - 80*	25	Medium sand & kankar	Medium
7.	80 - 86	6	Clay kankar	
8.	86 - 98*	12	Medium sand	Medium
9.	98 - 105	7	Clay kankar	
10.	105 - 120*	15	Medium sand	Medium
11.	120 - 127	7	Clay kankar	

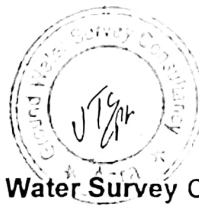
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**Conclusions and Recommendations :-**

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**

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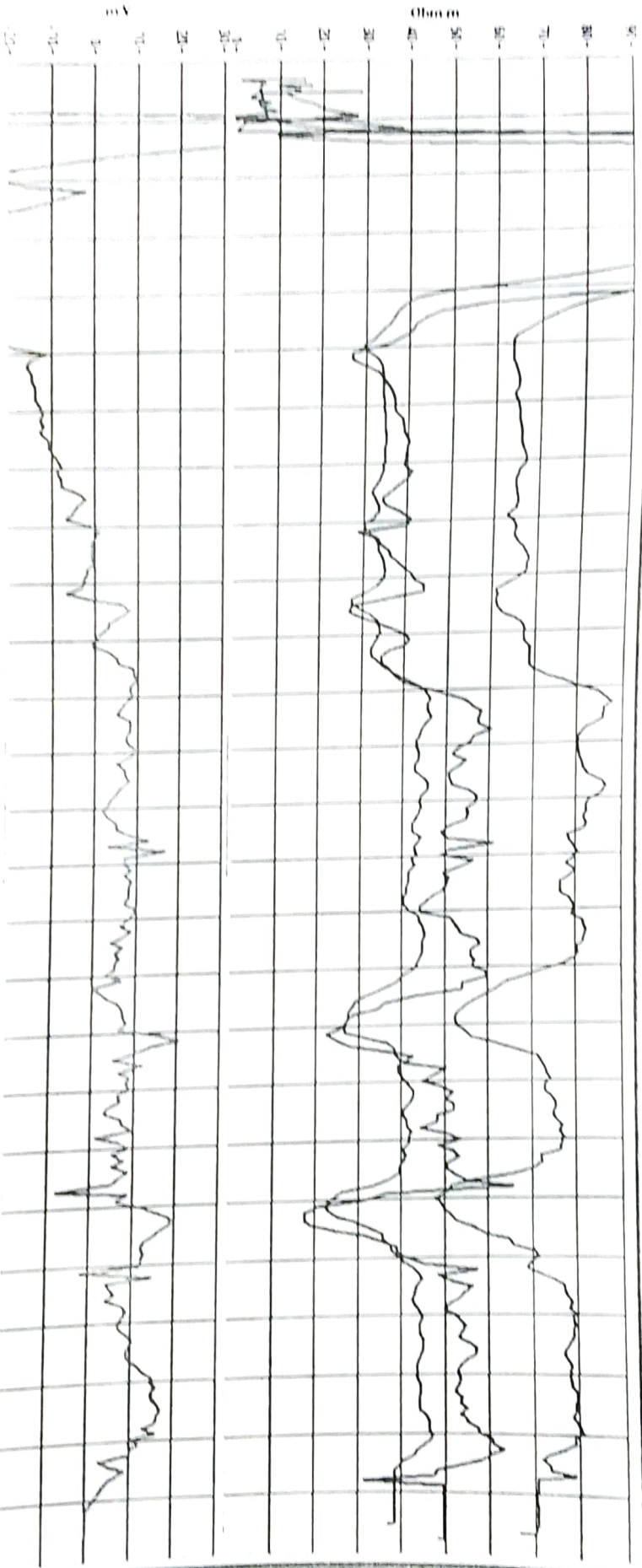
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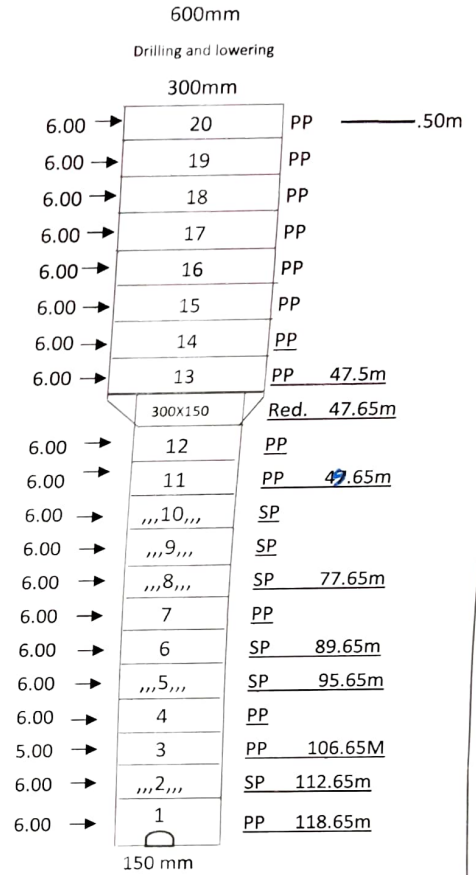
Jal Jeevan Mission  
 GP -Darav nagar + Muhiniddin Nagar , Block -Salarpur District - Budaun  
 AGENCY : M/S PNC SPML JV AGRA  
 Tubewell Assembly Chart



Discharge - 660 LPM

Date -09-10-2023

S.No.	In Meter	STRATA
1	55 Mtr. - 80 Mtr.	Medium Sand
2	86 Mtr. - 98 Mtr.	Medium Sand
	105 Mtr. - 120 Mtr.	Medium Sand



1	Reduce 300X150mm	0.15m
2	AGL	0.50m
3	BGL	118.65m
4	Total assembly lower	119.15m
5	300 mm Plain MS Pipe	48m
6	150 mm Plain MS Pipe	41m
7	150 mm slotted Pipe	30m
8	600 dia Drilling Depth	50m
9	450 dia Drilling Depth	80m
10	Drilling Depth	130m
11	Drilling logged	130m



*Jawad*  
 M/s BLG Construction Pvt. Ltd.  
 TPIA

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





GP Name -

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