

GROUND WATER SURVEY CONSULTANCY  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL  
ELECTOLOGGING REPORT

Ref No:-B- 750

Date:-02-06-2023

NAME OF SITE

GRAM PANCHAYAT- Marauri

BLOCK- Mion

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV  
Badaun



GROUND WATER SURVEY CONSULTANCY

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

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

(M) : 9412260823, 9794625420, 9761163000, Email : gwsc\_agra@yahoo.com

**ISO ; 9001 : 2015**

Ground Water Survey Consultancy

Agra

# REPORT ON GEOPHYSICAL WELL LOGGING AT

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

## Introduction :

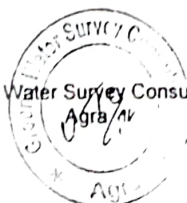
A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 135 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

On the request of M/S PNC-SPML-JV, Badaun. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 02.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 - 20	15	Dry sand	
3.	20 - 36	16	Clay kankar	
4.	36 - 47	11	Medium sand	Good
5.	47 - 81	34	Clay kankar	
6.	81 - 101*	20	Medium sand & kankar	Good
7.	101 - 112	11	Clay kankar	
8.	112 - 130*	18	Fine to Medium sand	Good
9.	130 - 135	5	Clay kankar	

Ground Water Survey Consultancy



**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.

**Geophysicist**



**Ground Water Survey Consultancy**

Rho #  
 N16(SM)  
 N64(LN)  
 LAT

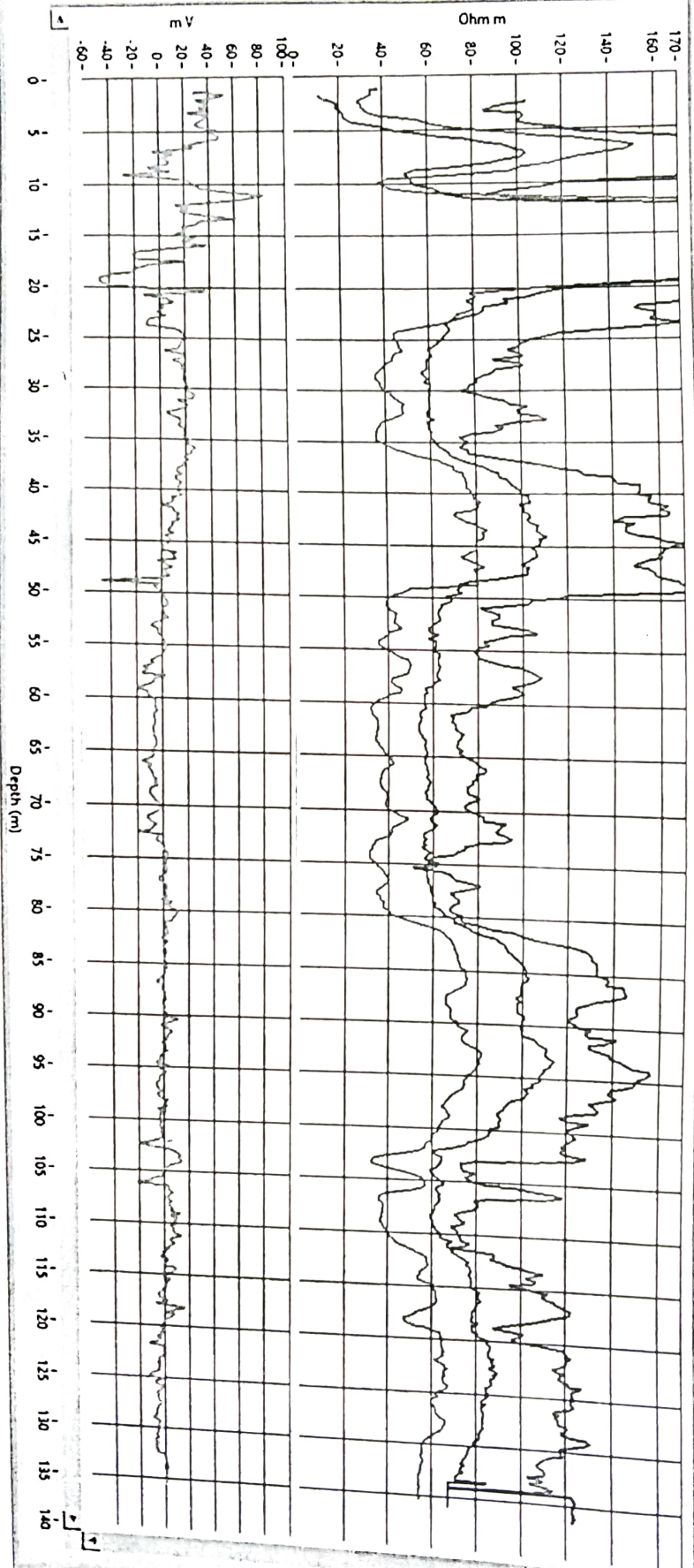
Logging Details  
 Date: 21/04/2011  
 Time: 10:30 AM  
 Location: ...  
 ...

Logger's No  
 IGIS/SOM/21-22

SP (m V)

Logger Name  
 DMPL-2

Logger Operated by  
 GROUND WATER  
 SURVEY  
 CONSULTANCY  
 - AGRA INDIA



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

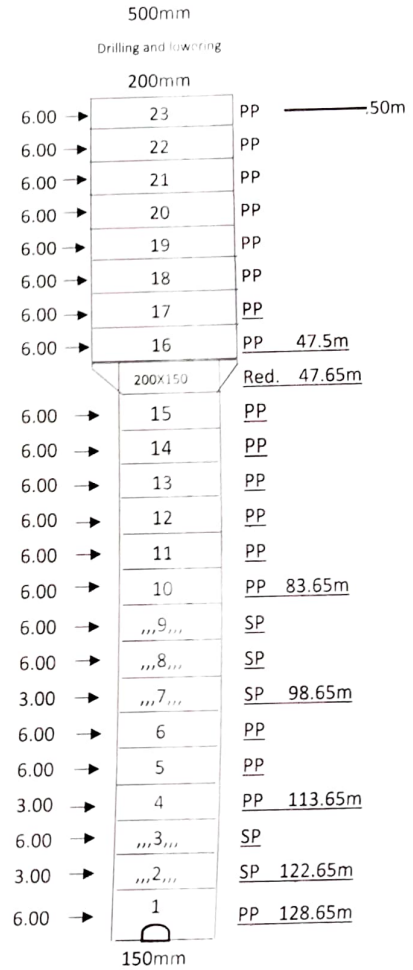


Discharge - 560 LPM

Date - 03-06-2023

S.No.	In Meter
1	81 Mtr. - 101 Mtr.
2	112 Mtr. - 130 Mtr.

STRATA  
 Medium Sand & Kankar  
 Fine to Med. Sand



1	Reduce 200X150mm	0.15m
2	AGL	0.50m
3	BGL	128.65m
4	Total assembly lower	129.15m
5	200mm Plain MS Pipe	48m
6	150mm Plain MS Pipe	57m
7	150mm slotted Pipe	24m
8	500dia Drilling Depth	50m
9	450dia Drilling Depth	85m
10	Drilling Depth	140m
11	Drilling logged	135m

450mm



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

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



# Mangrove

Part No.   
 Date:  /  /

Stn No.	Date	Depth		Sample Start	Time Close	Sample No.	Lithology Soil	Soils
		From	To					
1	02/06/23	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 Hard	
9	"	24	27			9	"	"
10	"	27	30			10	"	"
11	"	30	33			11	"	"
12	"	33	36			12	"	"
13	"	36	39			13	medium sand	
14	"	39	42			14	"	"
15	"	42	45			15	"	"
16	"	45	48			16	"	"
17	"	48	51			17	Clay Hard	
18	"	51	54			18	"	"
19	"	54	57			19	"	"
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	Medium Sand	
29	"	84	87			29	"	"

No	Date	Depth		Sample Time		Sample No	Lithology
		From	To	Start	Close		
30	01/06/23	87	90			30	medium sandstone
31	" "	90	93			31	" "
32	" "	93	96			32	" "
33	" "	96	99			33	" "
34	" "	99	102			34	" "
35	" "	102	105			35	Clay Karst
36	" "	105	108			36	" "
37	" "	108	111			37	" "
38	" "	111	114			38	Fine to Medium Sand
39	" "	114	117			39	" "
40	" "	117	120			40	" "
41	" "	120	123			41	" "
42	" "	123	126			42	" "
43	" "	126	129			43	" "
44	" "	129	132			44	Clay Karst
45	" "	132	135			45	" "
46		<del>135</del>				<del>46</del>	
47		135					