

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-A-1457

Date:- 20-08-2023

NAME OF SITE

GRAM PANCHAYAT- Deyora Asguna

BLOCK- Mion

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



GROUND WATER SURVEY CONSULTANCY
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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- DEYORA ASGUNA, 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 20.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 - 8	3	Clay	
3.	8 - 13	5	Medium sand	
4.	13 - 24	11	Clay kankar	
5.	24 - 27	3	Medium sand	
6.	27 - 37	10	Clay kankar	
7.	37 - 55*	18	Medium sand & kankar	Medium
8.	55 - 62	7	Clay kankar	
9.	62 - 67*	5	Medium sand	Medium
10.	67 - 75	8	Clay kankar	
11.	75 - 80*	5	Fine to Medium sand	Medium
12.	80 - 95	15	Clay kankar	
13.	95 - 117*	22	Medium sand	Medium
14.	117 - 130	13	Clay kankar	
15.	130 - 135	5	Fine sand	
16.	135 - 140	5	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



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

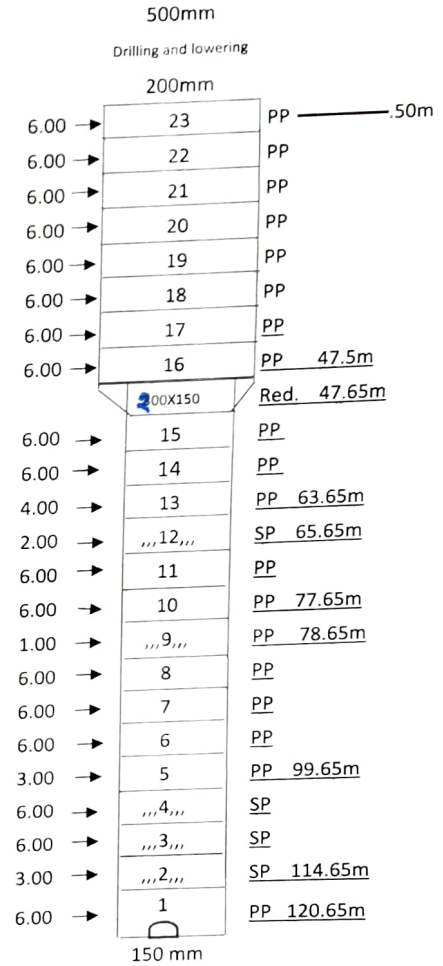


Date - 21-08-2023

Discharge - 590 LPM

S.No.	In Meter
1	62 Mtr. - 67 Mtr.
2	75 Mtr. - 80 Mtr.
3	95 Mtr. - 117 Mtr.

STRATA
 Medium Sand
 Fine to Medium Sand
 Medium Sand



1	Reduce 200X150mm	0.15m
2	AGL	0.50m
3	BGL	120.65m
4	Total assembly lower	121.15m
5	200 mm Plain MS Pipe	48m
6	150 mm Plain MS Pipe	55m
7	150 mm slotted Pipe	18m
8	500 dia Drilling Depth	50m
9	450 dia Drilling Depth	90m
10	Drilling Depth	140m
11	Drilling logged	140m



Jaizle
 M/s BLG Construction Pvt. Ltd.
 TPIA

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

Deoda Arguna b.p. wss Under JTI's Programme.
Block-Meion Distt Rudraun

dt 21/08/22

D - 140m (500 x 450) mm φ
 L - 130m (200 x 150) mm φ

7.7 change - 5.901 m
 4.0m Head 12.5 HF

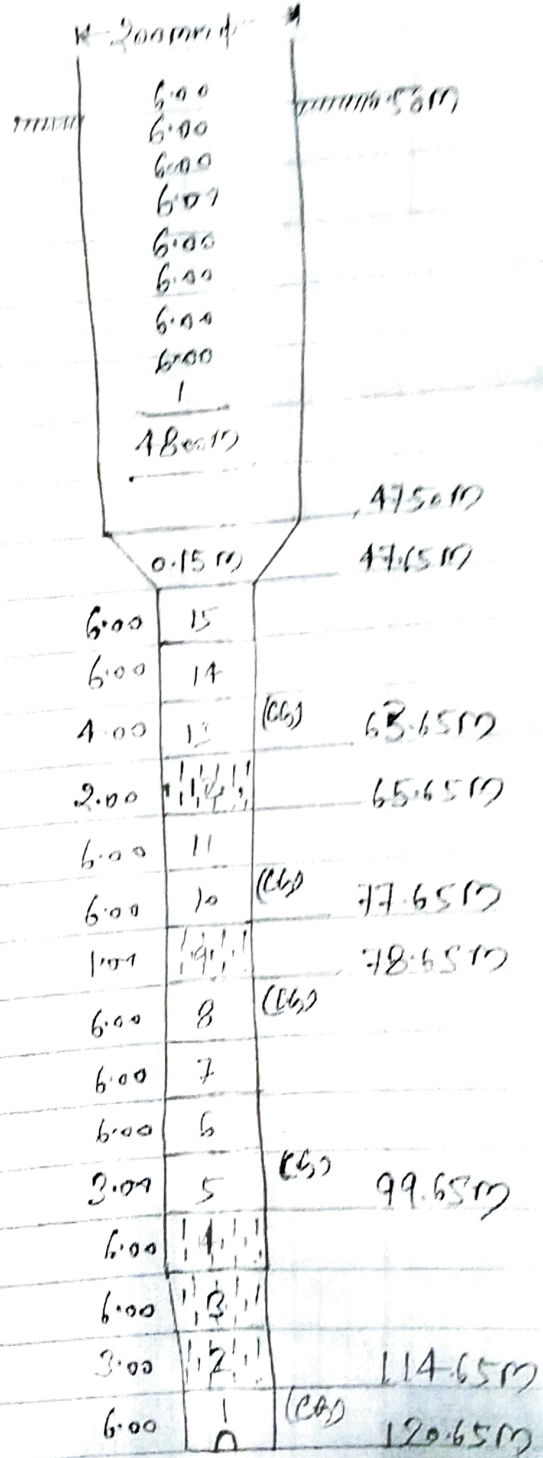
Stada Ag Per Logger -

- 62-67m - Medium Sand
- 75-80m - Fine to Med. Sand
- 95-117m - Medium Sand

200 mm φ (H.P)	150 mm φ (P.P)	150 mm φ (S.P)
6.00	6.00	2.00
6.00	6.00	1.00
6.00	6.00	6.00
6.00	6.00	6.00
6.00	6.00	6.00
6.00	6.00	3.00
6.00	3.00	18.00m
6.00	6.00	
48.00m	1	
	55.00m	

200 mm φ (H.P) = 48.00m
 150 mm φ (P.P) = 55.00m
 150 mm φ (S.P) = 18.00m
 (200 x 150) mm φ Red = 0.15m
 Total = 121.15m

A.B.L = 0.50m
 B.B.L = 120.65m
 Total = 121.15m



150 mm φ

Jp Name - Deyora Asguna Block - Mior

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