

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-B-395

Date:- 06-05-2023

NAME OF SITE

Gram Panchayat- Azad Nagar BLOCK- Islamnagar

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



GROUND WATER SURVEY CONSULTANCY

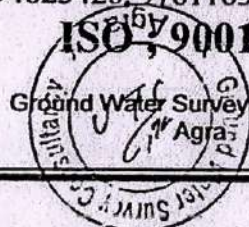
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- AZAD NAGAR, BLOCK- ISLAMNAGAR, DISTT.- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 110 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 is conduct at above bore hole using IGIS Well Logger on 25.April.2023.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major equifer 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 - 17	12	Dry sand	
3.	17 - 22	5	Fine sand	
4.	22 - 26	6	Clay kankar	
5.	26 - 42	16	Fine to Medium sand	Good
6.	42 - 65	23	Clay kankar	
7.	65 - 93*	28	Medium sand & kankar	Good
8.	93 - 100	7	Clay kankar	
9.	100 - 107*	7	Medium sand	Good
10.	107 - 110	3	Clay kankar	



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 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

G.P. Azad Nagar
Bhawal

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S.No	Date	Depth (FT)	Stand	Close	Time (HR)	Sample No	Sample Type/Stand	PNC/TPI / Jaldigrao
1	27/4/2023	0-3	09:15			1	Surface Soil	
2	4	3-6	10:20			2	"	
3	4	6-9	11:20			3	"	
4	4	9-12	12:15			4	D. Sand	
5	4	12-15	02:50			5	"	
6	4	15-18	04:15	5:20		6	"	
7	30/04/2023	18-21	9:30			7	"	
8	4	21-24	10:40			8	Fine Sand	
9	4	24-27	11:45			9	Clay Kan Kan	
10	4	27-30	02:15			10	"	
11	30/4/2023	30-33	03:40	4:50		11	"	
12	04/5/2023	33-36	8:50			12	Fine to Medium Sand	
13	04/5/2023	36-39	10:00			13	"	
14	04/5/2023	39-42	11:10			14	"	
15	04/5/2023	42-45	12:20			15	Clay Kan Kan	
16	04/5/2023	45-48	2:30			16	"	
17	04/5/2023	48-51	3:50	5:05		17	"	
18	02/5/2022	51-54	9:05			18	"	
19	02/5/2022	54-57	10:10			19	"	
20	02/5/2022	57-60	11:20			20	"	
21	02/5/2022	60-63	12:20			21	"	
22	02/5/2023	63-66	02:30			22	"	
23	02/5/2023	66-69	03:30	5:15		23	Medium Sand & Kan Kan	
24	03/5/2023	69-72	10:10			24	"	
25	03/5/2023	72-75	11:40			25	"	
26	03/5/2023	75-78	02:10			26	Clay Kan Kan	
27	03/5/2023	78-81	04:20	5:10		27	"	

(Signature)