GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-N-1410

Date:- 03-03-2023

NAME OF SITE

GRAM PANCHAYAT - Parisiddhpur Dudhari

BLOCK- Dataganj

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun

GROUND WATER SURVEY CONSULTANCY
AGRA
ESTD. 2010

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- PARISIDDHPUR DUDHARI, BLOCK- DATAGANJ, DISTT- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 130 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 03.Mar.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 - 9	4	Dry sand	
3.	9 - 19	10	Sandy clay	
4.	19 - 22	3	Clay kankar	
5.	22 - 37	15	Medium sand	Medium
6.	37 - 44	7	Clay kankar	
7.	44 - 89*	45	Medium sand	Medium
8.	89 - 100	11	Clay kankar	
9.	100 - 105*	5	Fine to Medium sand	Medium
10.	105 - 110	5	Clay kankar	
11.	110 - 115*	5	Fine to Medium sand	Medium
12.	115 - 125	10	Clay kankar	
13.	125 - 130	5	Sandy clay	

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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 tubewell.

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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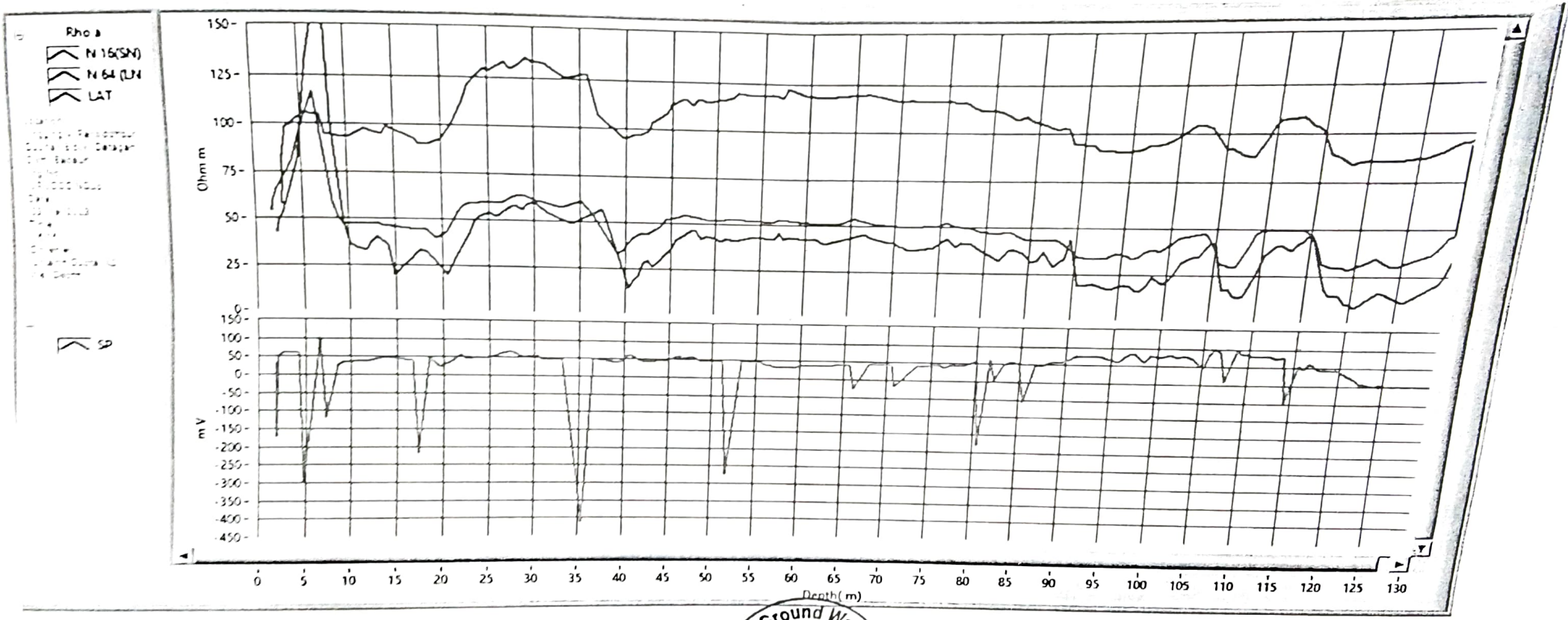

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Parsiddhipur & Dudhari G.P. W/S Scheme Under ...
Block - Dataganj Distt - Budaun

Dt - 23/0...

D - 130M (600x450) mmφ Discharge - 98...
L - 120M (300x152) mmφ 38M Head ...

Strata As Per Logger :-
60 - 80M - Medium Sand
98 - 112M - fine to Med Sand

300 mmφ (HP)	150 mmφ (PP)	150 mmφ (SP)
6.00	6.00	6.00
6.00	6.00	6.00
6.00	2.00	5.00
6.00	6.00	6.00
6.00	6.00	5.00
6.00	6.00	28.00M
6.00	3.00	
6.00	6.00	
48.00M	41.00M	

300 mmφ (H.P) = 48.00M
150 mmφ (PP) = 41.00M
150 mmφ (S.P) = 28.00M
(300X150) mmφ Red = 0.15M
Total = 117.15M

A.G.L = 0.50M
B.G.L = 116.65M
Total = 117.15M

K 300 mmφ →

6.00	30M
6.00	
6.00	
6.00	
6.00	
6.00	
6.00	
6.00	
48.00M	47.50M
0.15M	47.65M

6.00	13	
6.00	12	
2.00	11	61.65M
6.00	10	
6.00	9	
5.00	8	78.65M
6.00	7	
6.00	6	
6.00	5	
3.00	4	99.65M
6.00	3	
5.00	2	110.65M
6.00	1	
	0	116.65M

K 150 mmφ →

GSTIN : 09AEOPG8965L2ZJ

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Date 18-04-2023

Ref No.....

GEOPHYSICAL ELECTRICAL WELL LOGGING FIELD REPORT

DETAIL OF WATER BEARING ZONNES

Name Of Agency- M/S Badaun Ganpati Mega Builders

Village - Parsidhpur Block- Dataganj

District- Badaun Logging Depth- 125 mtr.

Drilling Depth- 130 mtr. Water Level-

S No	Depth in Mtr.	Lithology	Expected Water Quality
1	0 - 5	Surface Soil	
2	5 - 10	clay Kankar	
3	10 - 18	Fine Sand	
4	18 - 23	clay Kankar	
5	23 - 36	Fine to med. Sand	medium
6	36 - 42	clay Kankar	
7	42 - 56	medium Sand	medium
8	56 - 60	clay Kankar	
9	60 - 80*	medium Sand	medium
10	80 - 85	clay Kankar	
11	85 - 88	Fin Sand	medium
12	88 - 98	clay Kankar	
13	98 - 112*	Fine to med. Sand	medium
14	112 - 125	clay Kankar	
15			
16			
17			
18			
19			
20			
21			
22			
23			

*Expected Water Bearing Zone

For Ground Water Survey Consultancy

Geophysicist

Spesializations In

Electric Well Logging, Geophysical Survey, Resistivity Survey, Rainwater Harvesting, Construction of Recharge Well, Rectification of Tubewells, Ground Water Investigations.

Parsiddhpura dudhasi

Page No.
Date

Bore	Date	Depth		Sample Time		Sample	Lithology
		From	To	Start	Close	No.	
1	15-4-23	0	3			1	Surface Soil
2	15-4-23	3	6			2	Surface Soil
3	15-4-23	6	9			3	Clay Kankar
4	15-4-23	9	12			4	Fine Sand
5	15-4-23	12	15			5	Fine Sand
6	15-4-23	15	18			6	Fine Sand
7	16-4-23	18	21			7	Clay Kankar
8	16-4-23	21	24			8	Clay Kankar
9	16-4-23	24	27			9	Find to medium Sand
10	16-4-23	27	30			10	Find to medium Sand
11	16-4-23	30	33			11	Find to medium Sand
12	16-4-23	33	36			12	Find to medium Sand
13	16-4-23	36	39			13	Clay Kankar
14	16-4-23	39	42			14	Clay Kankar
15	17-4-23	42	45			15	Medium Sand
16	17-4-23	45	48			16	Medium Sand
17	17-4-23	48	51			17	Medium Sand
18	17-4-23	51	54			18	Medium Sand
19	17-4-23	54	57			19	Medium Sand
20	17-4-23	57	60			20	Clay Kankar
21	17-4-23	60	63			21	Medium Sand
22	17-4-23	63	66			22	Medium Sand
23	17-4-23	66	69			23	Medium Sand
24	17-4-23	69	72			24	Medium Sand
25	17-4-23	72	75			25	Medium Sand
26	17-4-23	75	78			26	Medium Sand
27	17-4-23	78	81			27	Medium Sand
28	17-4-23	81	84			28	Clay Kankar