

2021

January 14

Wk-03 014-351 Thu

Mahamadpur Mai G.P. w/ Scheme Under JIM Prog.
Block - Bixauli Distt - Budaun

D - 140m (6.0m x 500) mmφ

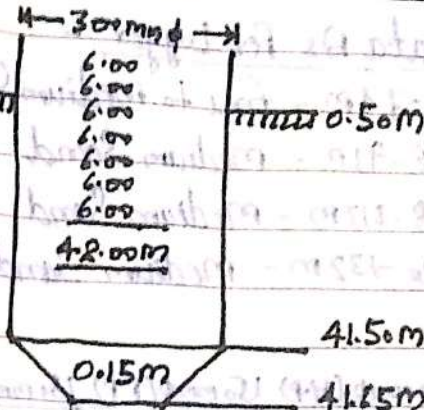
Dt - 16/10/2022

L - 130m (300 x 200) mmφ

Discharge - 1500 LPM
38M 25HP

Strata As Per Loggers -

- 60-80m - Medium Sand
- 89-98m - Sand & Kankar
- 108-114m - fine to med. Sand



300mmφ (H.P)	200mmφ (L.P.P)	200mmφ (S.P)
6.0	6.03	6.03
6.03	6.03	6.04
6.06	6.03	6.04
6.09	1.50	5.00
6.12	6.02	6.05
6.15	6.02	3.50
6.18	6.01	3.50
6.21	6.03	26.62M
6.24	1.00	
6.27	6.02	
<u>42.00M</u>	<u>50.69M</u>	

6.03	15	41.50m
6.03	14	41.15m
6.03	13	
1.50	12	61.24M
6.03		
6.04		
5.00		78.31M
6.02	8	
6.02	7	90.35M
6.05		96.40
6.01	5	
6.03	4	
1.00	3	109.44M
3.50		112.94M
6.02		118.96M

300mmφ (H.P) = 42.00M
 200mmφ (L.P.P) = 50.69M
 200mmφ (S.P) = 26.62M
 (300x200)mmφ Red = 0.15M
Total = 119.46M

A.G.L = 0.50m
 B.G.L = 118.96M
Total = 119.46M

← 200mmφ

FEBRUARY
MARCH
APRIL
MAY
JUNE

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTOLOGGING REPORT

Ref No:- 1012

Date:- 15-10-2022

NAME OF SITE

Gram Panchayat- Mohammadpur Mai

BLOCK- Bisauli

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- MOHAMMADPUR MAI, BLOCK- BISAULI
DISTT.- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 150 mtrs. depth. and Logged depth 145 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 15.Oct.2022.

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 - 10	5	Clay kankar	
3.	10 - 22	12	Dry sand	
4.	22 - 44	22	Clay kankar	
5.	44 - 57*	13	Medium sand	Good
6.	57 - 60	3	Kankar	
7.	60 - 80*	20	Medium sand	Good
8.	80 - 89	9	Clay kankar	
9.	89 - 98	9	Sand & Kankar	Good
10.	98 - 108	10	Clay kankar	
11.	108 - 114*	6	Fine to Medium sand	Good
12.	114 - 135	21	Clay kankar	
13.	135 - 145	10	Sandy clay	

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

Rho ρ
 N 16(SN)
 N 64(LN)
 LAT

DATE: 10/10/2000
 TIME: 10:30 AM
 LOCATION: ...
 OPERATOR: ...
 INSTRUMENT: ...
 NO. OF DATA: ...

E
 SP

