

Mal Granv G.O.P w/s Scheme Under J.T.M Programme  
Block - Jagat Distt - Budaur

DT - 16/02/2023

D - 130m (500 x 450) mm φ

L - 120m (200 x 150) mm φ

Discharge - 490 LPM

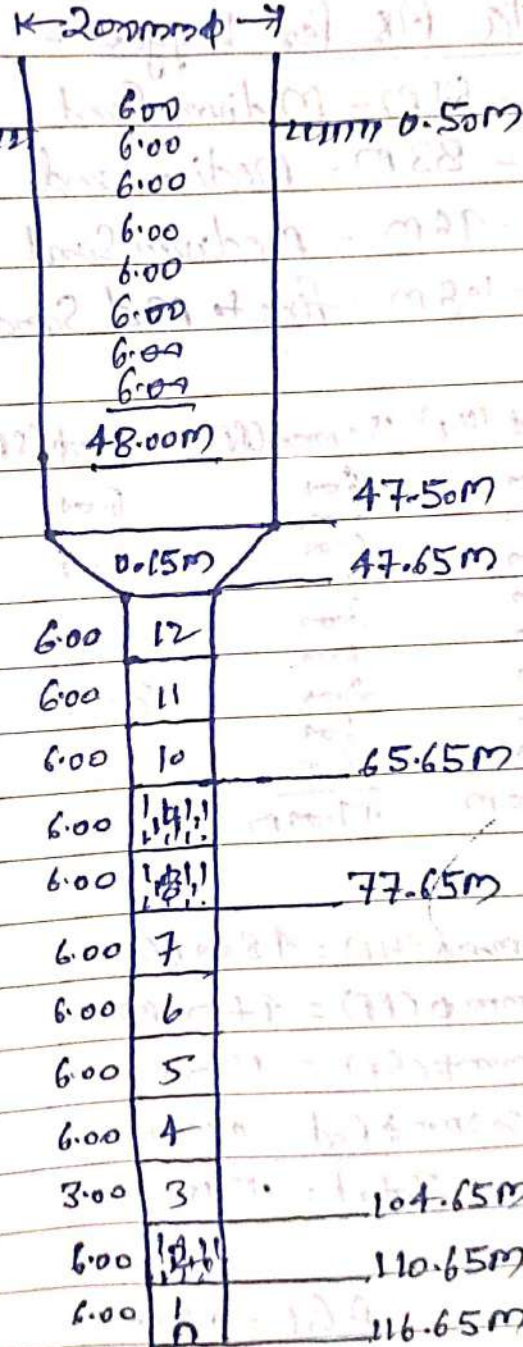
45m Head 125 H.P

Strata As Per Loggers -

- 56-79m - Medium Sand
- 91-97m - Medium Sand
- 102-123m - fine to med. Sand

200mmφ (H.P)    150mmφ (P.P)    150mmφ (S.P)

6.00	6.00	6.00
6.00	6.00	
6.00	6.00	6.00
6.00	6.00	
6.00	6.00	6.00
6.00	6.00	
6.00	6.00	18.00m
6.00	6.00	
6.00	3.00	
	6.00	
<u>48.00m</u>	<u>51.00m</u>	



200mmφ (H.P) = 48.00m

150mmφ (P.P) = 51.00m

150mmφ (S.P) = 18.00m

(200x150)mmφ Red = 0.15m

Total = 117.15m

A.G.L = 0.50m

B.G.L = 116.65m

Total = 117.15m

NOVEMBER

DECEMBER

*[Signature]*

GROUND WATER SURVEY CONSULTANCY  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL  
ELECTOLOGGING REPORT

Ref No:-N-1197

Date:- 15-02-2023

NAME OF SITE

Gram Panchayat- Malgaon

BLOCK- Jagat

DISTT- Badaun

NAME OF AGENCY

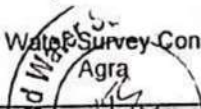
M/s PNC-SPML-JV  
Badaun



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



# REPORT ON GEOPHYSICAL WELL LOGGING AT

## GRAM PANCHAYAT- MALGAON, BLOCK- JAGAT, 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 is conduct at above bore hole using IGIS Well Logger on 15.Feb.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 - 21	16	Dry sand	
3.	21 - 25	4	Clay	
4.	25 - 40	15	Medium sand	Good
5.	40 - 49	9	Clay kankar	
6.	49 - 54	5	Fine to Medium sand	Good
7.	54 - 56	2	Clay kankar	
8.	56 - 79*	23	Medium sand	Good
9.	79 - 91	12	Clay kankar	
10.	91 - 97*	6	Medium sand	Good
11.	97 - 102	5	Clay kankar	
12.	102 - 123*	21	Fine to Medium sand	Good
13.	123 - 130	7	Clay kankar	

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 s  
 NTS (SM)  
 NS4(LM)  
 LAT

DATE: 12/12/2018  
 TIME: 10:30 AM  
 LOCATION: ...  
 ...

SP (mV)

