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## REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- YUSUFPUR, BLOCK- ETMADPUR, DISTT- AGRA  
UNDER  
JAL JIVAN MISSION

### Introduction :

A Deep bore hole was drilled 125 mtrs. depth and logged depth 112 mtrs. at above site was drilled by M/S Shishupal Singh Parihar, Agra.

On the request of M/S Shishupal Singh Parihar, Agra. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 20.July.2023.

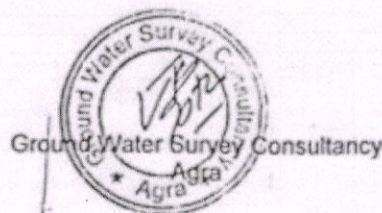
Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

Mud Resistivity = 15.23 Ohms.

Drilling Water Resistivity = 16.52 Ohms.

Approx Water Level = 21 Mtr.

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 - 15	5	Dry sand	
4.	15 - 19	4	Clay kankar	
5.	19 - 21	2	Dry sand	
6.	21 - 38	17	Clay	
7.	38 - 46*	8	Medium sand	Medium
8.	46 - 65	19	Clay kankar	
9.	65 - 73*	8	Fine to Medium sand	Medium
10.	73 - 112	39	Clay kankar	



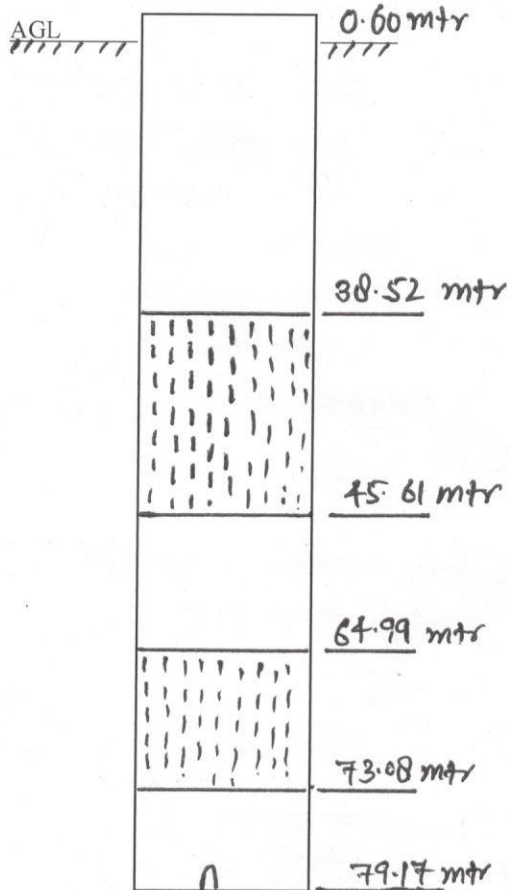


ACTUAL TUBEWELL ASSEMBLY

Name of Scheme: Yusufpur Block: Etmadpur Tehsil: Etmadpur  
District: Agra C.B. No. 01/SE/2023-24  
Name of Contractor: M/s Shishupal Singh Pariha Logging Date: 20.07.2023  
Drilling Completion Date: 19.07.2023 Logging By: Ground Water Survey Consultancy  
Size of Assembly: 200x200 mm Static Water Level: 26.5 m

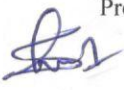
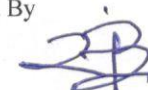
1. Strata as per Drilling/Logging:-

0-5 mtr	Surface soil
5-10 mtr	Clay Kankar
10-15 mtr	Dry sand
15-19 mtr	Clay Kankar
19-21 mtr	Dry sand
21-38 mtr	Clay
38-46 mtr	Medium sand
46-65 mtr	Clay Kankar
65-73 mtr	Fine to Medium sand
73-112 mtr	CLAY & Kankar



2. Strata quality as per Zone Testing-

m	24-34	(320	TDS)
m	46-67	(315	TDS)
m	85-91	(238	TDS)

Prepared By  
  
Contractor  
  
Junior Engineer

Recommended By  
  
Assistant Engineer

Approved By  
  
Executive Engineer