

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- GWARAU, BLOCK- HATHRAS, DISTT- HATHRAS  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth ~~108~~ mtrs. at above site. Was drilled by M/s Braj Gopal Construction, Hathras.

On the request of M/s Braj Gopal Construction, Hathras. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 17.June.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 = ~~11.25~~ Ohms.

Drilling Water Resistivity = ~~12.32~~ Ohms.

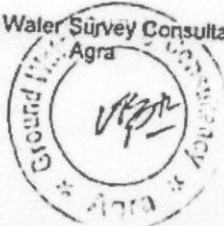
Approx Water Level = 24 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 8	3	Clay	
3.	8 - 12	4	Fine sand	
4.	12 - 33	21	Clay kankar	
5.	33 - 45	12	Fine to Medium sand	Marginally saline
6.	45 - 108	63	Clay kankar	

- Logging performed as per SWM guidelines.  
- Groundwater quality interpreted by firm as per their logger calibration.

CSA  
19/06/23

Ground Water Survey Consultancy  
Agra

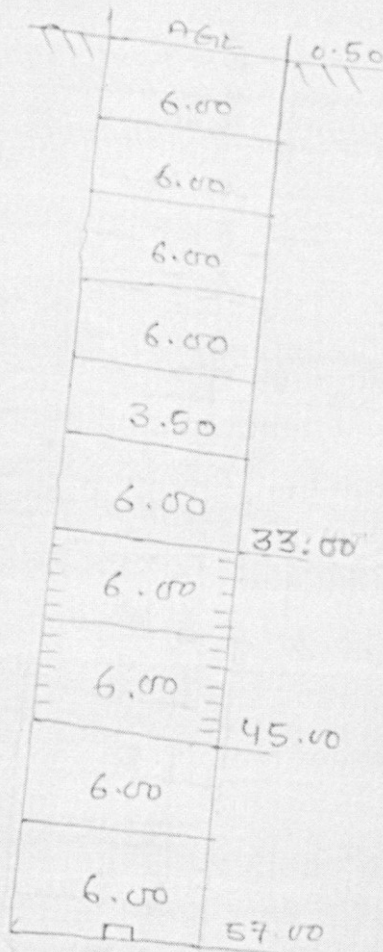


GP - Gwalior W&S, Block - Haldwasi  
 District - Haldwasi  
 "Required LPM - 190"

82  
 18  
 100

Stratran →

33-45 → 12 meter



200 mm dia ms plain pipe ⇒ 44.50 m

200 mm dia Screen pipe ⇒ 12.00 m

Total ⇒ 56.50

(-) AGL ⇒ 0.50

BGL ⇒ 57.00 ✓

If youer wish you can lowering of the tube well.  
 Department will pay if above tube well only offer  
 satisfactory water sample report.





Contractor: BGCPL-Ramky (JV) Client: JAL NIGAM(R)/SWSM



District: Hathras

WELL ASSEMBLY AND LOWERING CHART FOR TUBE WELL

Rig No/Type: DC

Block Name: Hathras

Scheme name: Chwara

Under - JJM

Assembly Size: 200

MM

Size Of Bore: 500

MM

Required LPM: 190

Rep.no:

AGL	CHART	M	PIPE LENGTH	ASSEMBLY DETAILS	
				ow	
			Pipe No. 23 =		Drilling Started date:
			Pipe No. 22 =		Drilling Depth: 110 M (As Per DPR)
			Pipe No. 21 =		Lowering Started: 20-7-23
			Pipe No. 20 =		Lowering Completed:
			Pipe No. 19 =		Assembly Lowered: 57.64 M
			Pipe No. 18 =		Housing Pipe ø _____ MM _____ M
			Pipe No. 17 =		Plain Pipe ø 200 MM 45.64 M
			Pipe No. 16 =		Screen Pipe ø 200 MM 12 M
			Pipe No. 15 =		Slotted Pipe ø _____ MM _____ M
			Pipe No. 14 =		Total Assembly length + AGL 57.09 + 0.55 = 57.64
			Pipe No. 13 =		Actual Drilling Depth 100 M
			Pipe No. 12 =		
			Pipe No. 11 =		
		0.550	Pipe No. 10 = 6.02		
			Pipe No. 9 = 6.02		
			Pipe No. 8 = 6.01		
			Pipe No. 7 = 6.02		
			Pipe No. 6 = 3.50		
		33.04	Pipe No. 5 = 6.02		
			Pipe No. 4 = 6.00		
		45.04	Pipe No. 3 = 6.00		
			Pipe No. 2 = 6.02		
			Pipe No. 1 = 6.03		
		57.09			

BGCPL-Ramky (JV) Representative

20-7-23

TN Representative

20/07/2023

UPNIR Representative