

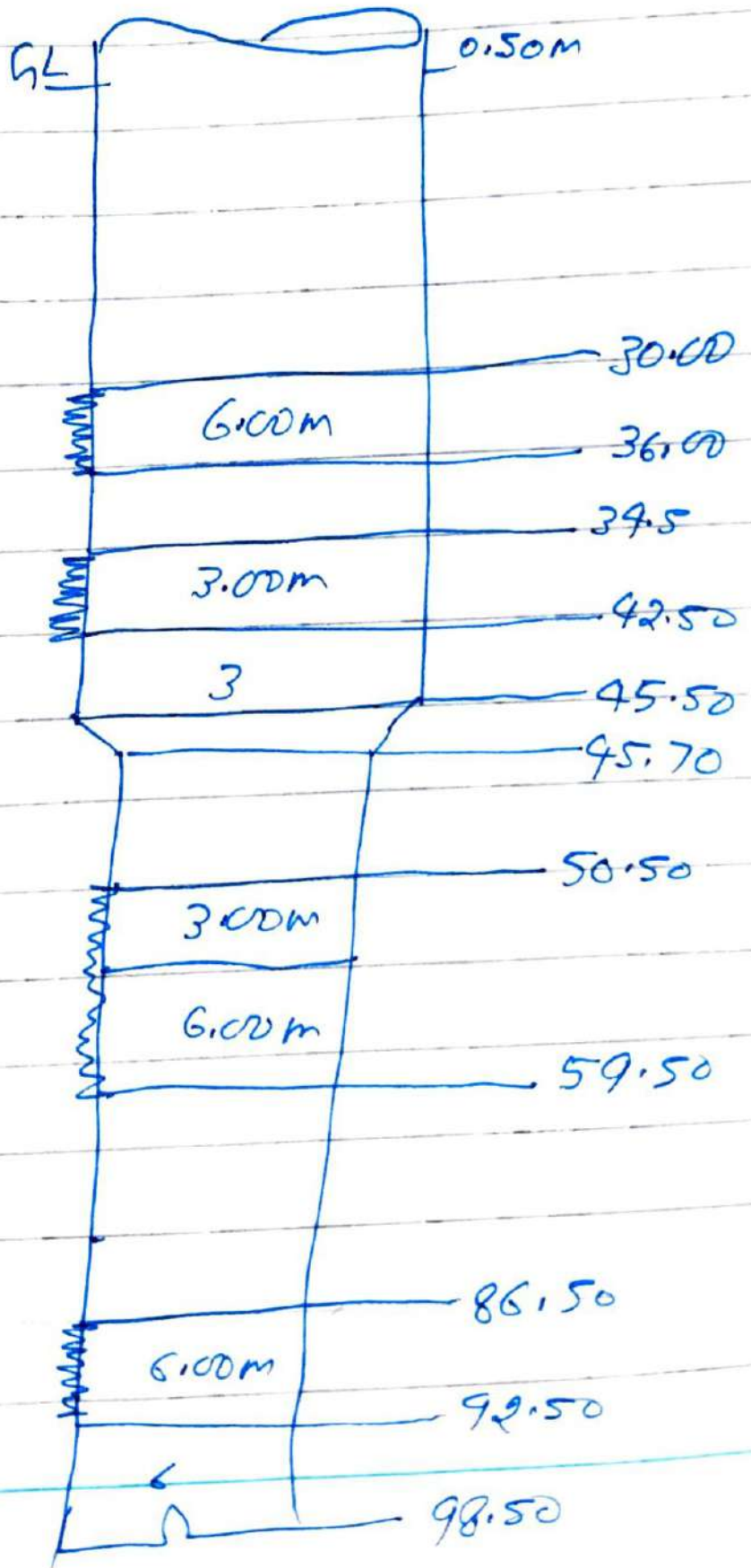
Proposed Assembly Chest:  
Umarishree / Lalganj

Discharge = 550 LPM

Size = 200 X 150 mm  $\phi$

Slotted = 24m

Assembly Size  
200 X 150 mm  $\phi$





# Aqua Xplore

(Groundwater Assessment & Allied Services)

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Advisor- Dr. R. A. Yadav, ex- Manager(Groundwater), U. P. Jal Nigam

Ref 610 -U/ AX- 2023

Date 10.06.2023

## Geophysical Borehole Logging Report

Name of the site : Umarshree, Block – Lalganj

District : Azamgarh

Date : 10.06.2023

Depth logged : 185.0 mbgl

Depth drilled : 200.0 mbgl – as reported

Logger used : Robertson make

Presence : Representative of M/S GAJA-SGIPL(JV), Azamgarh

Based on the interpretation of geophysical logs, following information may be deciphered, particularly with respect to salinity of the formation water;

Sl.No.	Depth range(mbgl)	Thickness(m)	Remarks
1	24.0—36.0	12.0	Good all
2	39.0—43.0	4.0	
3	50.0—60.0	10.0	
4	86.0—93.0	7.0	

Note. All zones are intermixed with kankar. Quality of the formation water is deteriorating marginal to saline below 100.0 mbgl till depth logged.

for Aqua Xplore

CC;

M/S GAJA-SGIPL(JV), Azamgarh

State Water Sanitation Mission (SWSM)  
**ESTIMATE FOR**  
**UMARI SHRI GRAM PANCHAYAT WATER SUPPLY SCHEME**  
**UNDER - JJM**  
**BLOCK-1,ALGANJ, DISTRICT- AZAMGARH**  
**Estimate of Cost of Tubewell construction**

Discharge 550 LPM  
 Head 49 M  
 Drilling Depth of Tube well 275 M  
 Lowering of Tube well 250 M  
 Size of Tube well 200 x 150 mm

Sl No.	Item of work	No.	L	B	H/D	Qty	Rate	Unit	Amount	Remarks
1	DC/RC Drilling including Hiring Transportation, Erection, Dismantling with Loading and unloading of Rig and associated T&F complete in all respect including required all material labour & T&F etc.									As per RFP
1.1	DC/RC Drilling up to 100Mtr.									
1.1.1	500 MMD					60	2,709.57	Rmt	1,62,574.31	
1.1.2	450 MMD					40	2,448.06	Rmt	97,922.59	
1.2	DC/RC Drilling from 101 MT. To 200 Mtr.Deep									
1.2.1	450 MMD					100	2,766.85	Rmt	2,76,685.02	
1.2.2	Development / Flushing of tubewell						2,887.82	Hrs	-	
1.3	DC/RC Drilling from 201 MT. To 250 Mtr.Deep									
1.3.1	450 MMD					75	3,150.13	Rmt	2,36,260.02	
1.4	Tube Well Assembly									
	MISERW plain pipe As per IS 4270								-	
1.4.1	200 MMD					54	2,539.29	Rmt	1,37,121.66	
1.4.2	150 MMD					172	1,991.60	Rmt	3,42,555.20	
	MISERW Pipe slotted pipe as per IS 8110								-	
1.4.3	200 MMD					0	3,817.70	Rmt	-	
1.4.4	150 MMD					24	3,067.06	Rmt	73,609.54	
1.5	MIS fittings such as clamp, ball plug, reducer, well cap, girder & support structure									
	MIS Ring									
1.5.1	200 mm Ø MIS Ring made by 150 mm x 12 mm Flat					10	1,593.28	No.	15,932.80	
1.5.2	150 mm Ø MIS Ring made by 150 mm x 12 mm Flat					34	1,264.67	No.	42,998.64	
	MIS Ball plug As per IS 2060									
1.5.3	150 mm Ø M.S. Ball Plug					1	1,717.76	No.	1,717.76	