

Aqua Xplore

(Groundwater Assessment & Allied Services)

243/5, New Colony Jiyamau, Hazratganj, Lucknow - 226001

Mob. 9918202546 / 9889323322, Email-aquaxploreelko@gmail.com

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

Ref 417 - GL / AX - 2023

Date 17.04.2023

Geophysical Borehole Logging Report

Name of the site : Gadauli, Block - Lalganj
District : Azamgarh
Date : 17.04.2023
Depth logged : 145.0 mbgl
Depth drilled : 200.0 mbgl - as reported
Logger used : UPTRON 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	23.0-33.0	10.0	Good all
2	37.0-41.0	4.0	
3	47.0-51.0	4.0	
4	65.0-69.0	4.0	

Note. All zones are intermixed with kankar. Quality of the formation water is deteriorating marginal to saline below 73.0 mbgl till depth logged.

for Aqua Xplore

CC;

M/S GAJA-SGIPL(JV), Azamgarh

G.P - GADALI

BLOCK - LALGANJ

According to D.P.R

Discharge : 560

Size (200 x 150 mm)

S.P - 24m

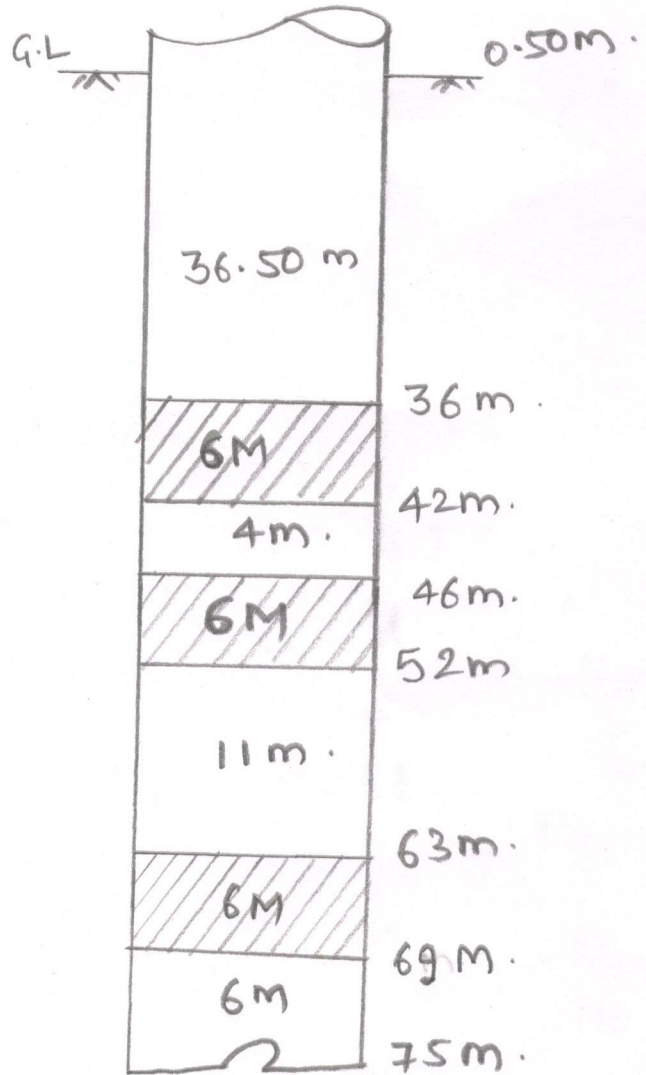
Proposed Assembly 300x300 mm

$$27 - 33 = 6m$$

$$37 - 41 = 4m$$

$$47 - 51 = 4m$$

$$65 - 69 = 4m.$$



**ESTIMATE FOR
GADOULI GRAM PANCHAYAT WATER SUPPLY SCHEME
UNDER - JJM
BLOCK- LALGANJ, DISTRICT- AZAMGARH
Estimate of Cost of Tubewell construction**

Discharge 560 LPM
Head 45 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 Transportaion, Erection, Dismantling with Loading and unloading of Rig and associated T&P complete in all respect including required all material labour & T&P etc.									As per RFP.
1.1	DC/RC Drilling up to 100Mtr.									
1.1.1	500 MMØ					60	2,709.57	Rmt	1,62,574.31	
1.1.2	450 MMØ					40	2,448.06	Rmt	97,922.59	
1.2	DC/RC Drilling from 101 MT. To 200 Mtr.Deep									
1.2.1	450 MMØ					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 300 Mtr.Deep									
1.3.1	450 MMØ					75	3,150.13	Rmt	2,36,260.02	
1.4	Tube Well Assembly									
	MSERW plain pipe As per IS 4270								-	
1.4.1	200 MMØ					54	2,539.29	Rmt	1,37,121.66	
1.4.2	150 MMØ					172	1,991.60	Rmt	3,42,555.20	
	MSERW Pipe slotted pipe as per IS 8110									
1.4.3	200 MMØ					0	3,817.70	Rmt	-	
1.4.4	150 MMØ					24	3,067.06	Rmt	73,609.54	
1.5	MS fittings such as clamp, bail plug, reducer, well cap, girder & support structure									
	MS Ring-									
1.5.1	200 mm Ø MS. Ring made by 150 mm x 12 mm Flat					10	1,593.28	No.	15,932.80	
1.5.2	150 mm Ø MS. Ring made by 150 mm x 12 mm Flat					34	1,264.67	No.	42,998.64	
	MS Bail plug As per IS 2800									
1.5.3	150 mm Ø M.S. Bail Plug					1	1,717.76	No.	1,717.76	