

**ESTIMATE FOR  
GANIPUR DAGARAHA & KOSHAN GROUP OF PANCHAYAT'S WATER SUPPLY SCHEME  
UNDER - JJM**

**BLOCK- TARWAN, DISTRICT- AZAMGARH  
Estimate of Cost of Tubewell construction**

Discharge 840 LPM  
Head 49 M  
Drilling Depth of Tube well 200 M  
Lowering of Tube well 180 M  
Size of Tube well 300 x 150 mm

Sl No.	Item of work	No.	L.	B	H/D	Qty	Rate	Unit	Amount	
<b>1</b>	<b>DC/RC Drilling including Hiring Transportation, Erection, Dismantling with Loading and unloading of Rig and associated T&amp;P complete in all respect including required all material labour &amp; T&amp;P etc.</b>									<b>A</b>
1.1	DC/RC Drilling up to 180Mtr.									
1.1.1	600 MMD					60	2,796.21	Rmt	1,67,772.38	
1.1.2	450 MMD					40	2,448.06	Rmt	97,922.59	
1.2	DC/RC Drilling from 181 Mtr. To 200 Mtr. Deep									
1.2.1	450 MMD					100	2,766.83	Rmt	2,76,685.02	
1.2.2	Development / Flushing of tubewell						2,887.82	Hrs	-	
1.3	DC/RC Drilling from 201 Mtr. To 300 Mtr. Deep									
1.3.1	450 MMD						3,150.13	Rmt	-	
1.4	Tube Well Assembly									
	<b>MSERW plain pipe As per IS 4270</b>									
1.4.1	300 MMD					54	3,973.24	Rmt	2,14,555.07	
1.4.2	150 MMD					96	1,991.60	Rmt	1,91,193.60	
	<b>MSERW Pipe slotted pipe as per IS 8118</b>									
1.4.3	300 MMD					0	5,683.48	Rmt	-	
1.4.4	150 MMD					30	3,067.06	Rmt	92,011.92	
1.5	MS fittings such as clamp, ball plug, reducer, well cap, girder & support structure									
	<b>MS Ring-</b>									
1.5.1	300 mm Ø MS Ring made by 175 mm x 16 mm Flat					10	2,061.31	No.	20,613.06	
1.5.2	150 mm Ø MS Ring made by 150 mm x 12 mm Flat					22	1,264.67	No.	27,822.65	
	<b>MS Ball plug As per IS 2800</b>									
1.5.3	150 mm Ø M.S. Ball Plug					1	1,717.76	No.	1,717.76	

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	<b>Reducer-</b>									
1.5.4	300 x 150 mm Reducer					1	5,476.90	No.	5,476.90	
	<b>MSSJ Clamp- As per IS 2800</b>									
1.5.5	300 mm Ø MSSJ Clamp					1	4,032.99	No.	4,032.99	
1.5.6	150 mm Ø MSSJ Clamp						1,493.70	No.	-	
	<b>TW Assy Support-</b>									
1.5.7	300 mm Ø Tubewell Assembly Support					1	17,426.50	No.	17,426.50	
	<b>MS Well Cap-</b>									
1.5.8	300 mm Ø MS Well Cap					1	1,543.49	No.	1,543.49	
	<b>Centre Guide-</b>									
1.5.9	Centre guide for 150mm Ø TW Assembly					6	916.14	No.	5,496.82	
2.0	Lowering of above assembly with welding of parts complete in all respect with all required material, T&P, labour, etc.									<b>A</b>
2.1	Lowering up to 100 Mtr. Deep									
2.1.1	300 MMD MSERW Plain/Slotted Pipe					54	479.98	Rmt	25,918.08	
2.1.2	150 MMD MSERW Plain/Slotted Pipe					46	279.46	Rmt	12,855.22	
2.2	Lowering from 101 Mtr. To 200 Mtr. Deep									
2.2.1	300 MMD MSERW Plain/Slotted Pipe						674.37	Rmt	-	
2.2.2	150 MMD MSERW Plain/Slotted Pipe					80	366.77	Rmt	29,341.84	
2.3	Lowering from 201 Mtr. To 300 Mtr. Deep									
2.3.1	150 MMD MSERW Plain/Slotted Pipe					0	431.21	Rmt	-	
2.4	Laying of Borehole by electric logging					1	17,924.40	job	17,924.40	
2.5	Supplying and consolidated packing of gravel with suitable size					50	7,468.50	cum	3,73,425.00	
3.0	<b>Development of Tube well</b>									<b>A1</b>
3.1	Charges for Development by 350 PSI Compressor per hour					50	4,232.15	Hrs	2,11,607.50	
3.2	Charges for Development of TW by 3 cusec OP Unit					100	1,394.12	Hr.	1,39,412.00	
	<b>Total</b>								<b>19,34,758.39</b>	
									<b>Say (In Laes) 19.35</b>	

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## State Water Sanitation Mission (SWSM)

**ESTIMATE FOR  
GANIPUR DAGARAHA & KOSHAN GROUP OF PANCHAYAT'S WATER SUPPLY SCHEME  
UNDER - SWSM**

**BLOCK- TARWAN, DISTRICT- AZAMGARH  
ESTIMATE & DETAILED MEASUREMENT FOR PUMPING PLANT & CHLORINATING PLANT**

Sl No.	Item of work	No.	L.	B	H/D	Qty	Rate	Unit	Amount	
<b>1</b>	<b>Pumps &amp; Fittings</b>									<b>A</b>
	<b>SITC of Energy efficient AC Submersible Pumping plant with submersible flat cable of suitable length, main Piping &amp; Valves with 08 nos Column Pipes, Distance piece for Rising Main and By-pass side, NRV cum Pump and Column Pipe Joiner, Power wiring, Chemical earthing, Painting, wiring of pump house (internal &amp; External) and Installation Job of Pumping Plant complete in all respect with all required material, T&amp;P labour complete in all respect for following details in Solar Powered Applications-</b>									
1	17.5 HP Deduction of 02 Sluice valve - 100 mm dia Amount Rs 28479.9 (275343.24-28479.9=246863.34)					1	2,46,863.34	No.	2,46,863.34	
2	Pressure Transmitter					1	14,811.00	No.	14,811.00	



# Aqua Xplore

(Groundwater Assessment & Allied Services)

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

Ref 319 - G / AX - 2023

Date 19.03.2023

## Geophysical Borehole Logging Report

Name of the site : Ganipur Dagarah, Block – Tarwa

District : Azamgarh

Date : 19.03.2023

Depth logged : 103.0 mbgl

Depth drilled : 190.0 mbgl – as reported

Logger used : UPTRON make

Presence : Representative of M/S Hetvi Construction LLP, 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	19.0--23.0	4.0	Good all
2	32.0--54.0	22.0	
3	56.0--60.0	4.0	
4	67.0--71.0	4.0	
5	74.0--84.0	10.0	

Note. All zones are intermixed with kankar.

for Aqua Xplore

CC;

M/S Hetvi Construction LLP, Azamgarh

Tisch - 840 Rp m  
 size - 300 x 150 mm x f  
 SP - 30 m

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