

State Water Sanitation Mission (SWSM)

**ESTIMATE FOR  
BAYILE & SALAMEPUR GROUP OF PANCHAYAT'S WATER SUPPLY SCHEME  
UNDER - JJM  
BLOCK- LALGANJ, DISTRICT- AZAMGARH  
Estimate of Cost of Tubewell construction**

Discharge 670 LPM  
Head 42 M  
Drilling Depth of Tube well 275 M  
Lowering of Tube well 250 M  
Size of Tube well 300 x 150 mm

Sl No.	Item of work	No.	L	B	H/D	Qty	Rate	Unit	Amount	Remarks
<b>1</b>	<b>DC/RC Drilling including Hiring Transportaton, 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>									As per RFP.
1.1	DC/RC Drilling up to 100Mtr.									
1.1.1	600 MMØ					60	2,796.21	Rmt	1,67,772.38	
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	<b>Tube Well Assembly</b>									
	<b>MSERW plain pipe As per IS 4270</b>								-	
1.4.1	300 MMØ					54	3,973.24	Rmt	2,14,555.07	
1.4.2	150 MMØ					172	1,991.60	Rmt	3,42,555.20	
	<b>MSERW Pipe slotted pipe as per IS 8110</b>									
1.4.3	300 MMØ					0	5,683.48	Rmt	-	
1.4.4	150 MMØ					24	3,067.06	Rmt	73,609.54	
1.5	<b>MS fittings such as clamp, ball plug, reducer, well cap, girder &amp; support structure</b>									
	<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					34	1,264.67	No.	42,998.64	
	<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>MSM Clamp- As per IS 2800</b>								
1.5.5	300 mm Ø MS S.I. Clamp				1	4,032.99	No.		4,032.99
1.5.6	150 mm Ø MS S.I. 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	Center guide for 150mm Ø TW Assembly				5	916.14	No.		4,580.68
<b>2.0</b>	<b>Lowering of above assembly with welding of parts complete in all respect with all required material, T&amp;P, labour, etc.</b>								As per RFP.
<b>2.1</b>	<b>Lowering up to 100 Mtr. Deep</b>								
2.1.1	300 MMØ MSERW Plate/Slotted Pipe				54	479.98	Rmt		25,918.68
2.1.2	150 MMØ MSERW Plate/Slotted Pipe				46	279.46	Rmt		12,855.22
<b>2.2</b>	<b>Lowering from 101 Mtr. To 200 Mtr. Deep</b>								
2.2.1	300 MMØ MSERW Plate/Slotted Pipe					624.37	Rmt		-
2.2.2	150 MMØ MSERW Plate/Slotted Pipe				100	366.77	Rmt		36,677.31
<b>2.3</b>	<b>Lowering from 201 Mtr. To 300 Mtr. Deep</b>								
2.3.1	150 MMØ MSERW Plate/Slotted Pipe				50	431.21	Rmt		21,560.56
<b>2.4</b>	Logging of Borehole by electric logging				1	17,924.40	job		17,924.40
<b>2.5</b>	Supplying and unconsolidated packing of gravel with suitable size				66	7,468.50	cum		4,92,921.00
<b>3.0</b>	<b>Development of Tube well</b>								As per RFP.
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 1 cubic OP Unit				100	1,120.28	Hr.		1,12,027.50
	<b>Total</b>								24,39,242.01
								<b>Say (In Lacs)</b>	24.39



# Aqua Xplore

(Groundwater Assessment & Allied Services)

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

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

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

Ref 319 - B / AX - 2023

Date 19.03.2023

## Geophysical Borehole Logging Report

Name of the site : Beily Salempur, Block – Lalganj

District : Azamgarh

Date : 19.03.2023

Depth logged : 192.0 mbgl

Depth drilled : 260.0 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	18.0–23.0	5.0	Good all
2	29.0–33.0	4.0	
3	63.0–83.0	20.0	
4	85.0–89.0	4.0	

Note. All zones are intermixed with kankar. Quality of the formation water is deteriorating marginal to saline below 94.0 mbgl till depth logged. Sl. No. 2 is highly kankar intermixed.

for Aqua Xplore

CC;

M/S Hetvi Construction LLP, Azamgarh

Disch - 670.9pm  
Size - 300x150mm<sup>2</sup>  
SP - 24.00 m

~~Bill~~ Bill and Saltemp

