

State Water Sanitation Mission (SWSM)

**ESTIMATE FOR
FADDOOPUR GRAM PANCHAYAT WATER SUPPLY SCHEME
UNDER - JJM
BLOCK- TARWAN, DISTRICT- AZAMGARH**

Estimate of Cost of Tubewell construction

Sl.No.	Item of work	No.	L	B	H/D	Qty	Rate	Unit	Amount
	Discharge 440 LPM Head 50 M Drilling Depth of Tube well 200 M Lowering of Tube well 180 M Size of Tube well 200 x 150 mm								
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 material labour & T&P etc.								
1.1	DC/RC Drilling up to 100Mtr.								
1.1.1	500 MMØ					60	2,709.57	Rmt	1,62,574.2
1.1.2	450 MMØ					40	2,448.06	Rmt	97,922.4
1.2	DC/RC Drilling from 101 MT. To 200 Mtr.Deep								
1.2.1	450 MMØ					100	2,766.85	Rmt	2,76,685.4
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						3,150.13	Rmt	-
1.4	Tube Well Assembly								
	MSERW plain pipe As per IS 4270								
1.4.1	200 MMØ					54	2,539.29	Rmt	1,37,121.4
1.4.2	150 MMØ					108	1,991.60	Rmt	2,15,092.8
	MSERW Pipe slotted pipe as per IS 8110								
1.4.3	200 MMØ					0	3,817.70	Rmt	-
1.4.4	150 MMØ					18	3,067.06	Rmt	55,207.1
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.	15,932.8
1.5.2	150 mm Ø MS. Ring made by 150 mm x 12 mm Flat					22	1,264.67	No.	27,822.7
	MS Bail plug As per IS 2800								
1.5.3	150 mm Ø - M.S. Bail Plug					1	1,717.76	No.	1,717.7

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1.5.4	Reducer- 200 x 150 mm Reducer					1	4,132.57	No.	4,132.6
	MSSI Clamp- As per IS 2800								
1.5.5	200 mm Ø MS S.I. Clamp					1	1,991.60	No.	1,991.6
1.5.6	150 mm Ø MS S.I. Clamp						1,493.70	No.	-
	TW Assy Support-								
1.5.7	200 mm Ø Tubewell Assembly Support					1	15,434.90	No.	15,434.9
	MS Well Cap-								
1.5.8	200 mm Ø MS Well Cap					1	1,344.33	No.	1,344.3
	Centre Guide-								
1.5.9	Center guide for 150mm Ø TW Assembly					4	916.14	No.	3,664.6
2.0	Lowering of above assembly with welding of parts complete in all respect with all required material, T&P, labour, etc.								
2.1	Lowering up to 100 Mtr. Deep								
2.1.1	200 MMØ MSERW Plane/Slotted Pipe					54	405.29	Rmt	21,885.6
2.1.2	150 MMØ MSERW Plane/Slotted Pipe					46	279.46	Rmt	12,855.2
2.2	Lowering from 101 Mtr. To 200 Mtr. Deep								
2.2.1	200 MMØ MSERW Plane/Slotted Pipe						481.97	Rmt	-
2.2.2	150 MMØ MSERW Plane/Slotted Pipe					80	366.77	Rmt	29,341.6
2.3	Lowering from 201 Mtr. To 300 Mtr. Deep								
2.3.1	150 MMØ MSERW Plane/Slotted Pipe					0	431.21	Rmt	-
2.4	Logging of Borehole by electric logging					1	17,924.40	job	17,924.4
2.5	Supplying and unconsolidated packing of gravel with suitable size					45	7,468.50	cum	3,36,082.5
3.0	Development of Tube well								
3.1	Charges for Development by 350 PSI Compressor per hour					50	4,232.15	Hrs	2,11,607.5
3.2	Charges for Development of TW by 1 cusec OP Unit					100	1,120.28	Hr.	1,12,027.5
	Total								17,58,369.2
								Say (In Lacs)	17.

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Aqua Xplore

(Groundwater Assessment & Allied Services)

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

Ref 324 - F / AX - 2023

Date 24.03.2023

Geophysical Borehole Logging Report

Name of the site : Faddopur, Block – Tarwa
District : Azamgarh
Date : 24.03.2023
Depth logged : 165.0 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	20.0–25.0	5.0	Good all
2	30.0–37.0	7.0	
3	45.0–52.0	7.0	
4	74.0–78.0	4.0	
5	89.0–93.0	4.0	

Note. All zones are intermixed with kankar. Quality of the formation water is deteriorating marginal to saline below 97.0 mbgl till depth logged.

for Aqua Xplore

CC;

M/S Hetvi Construction LLP, Azamgarh

25/03/2023

Proposed Assembly Chart

Faddopuri / Tarwa

As per Dpr

Discharge = 440 LPM

Slatted pipe = 18m

Size = 200 X 150 mm ϕ

Assembly Size
200 X 150 mm ϕ

