



22/04/23

Proposed Acry Chart

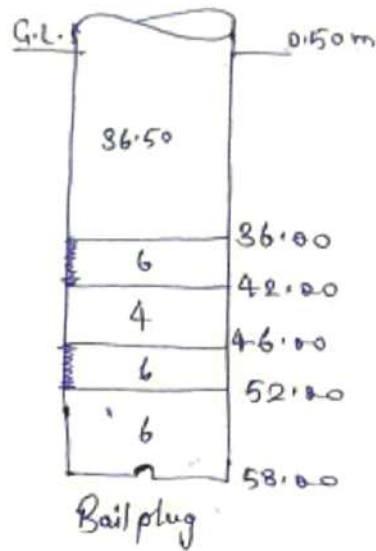
Pakdi Kund / Loggari

As per DPR

Discharge = 340 LPM

Size = 200 x 150 mm ϕ

Slotted = 12 m



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Ref:GIT:UP: PJM:23-24:LS:

Dated: 21-04-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Pakdi Khurd**
 Block: **Lalganj**
 District: **Azamgarh**
 State: **Uttar Pradesh**
 Date of Logging: **20-04-2023**
 Drilling Depth: **195.0 m bgl**
 Logging Depth: **188.0 m bgl**
 Rm – **11.0 Ωm** Rw – **10.0 Ωm**

Borehole Drilled by: M/s **GAJA SGIPL Ltd., Azamgarh, Uttar Pradesh.**

Based on the interpretation of **Self Potential (SP)**, **Short Normal (N-16")**, **Long Normal (N-64")** and **Lateral (6')** geophysical logs following informations/granular zones have been deciphered with respect to **Salinity** only:

Sl. No.	Depth Range (m bgl)	Thickness (meter)	Remark (Quality of Aquifer Water)
1.	24 – 30	06	Good
2.	36 – 40	04	Good
3.	46 – 52	06	Good

Note: 1. **Fine bands of kankar are intermixed with almost all the zones.**

2. **Quality of ground water is deteriorating Marginal to Saline below 60.0 m bgl to till depth logged.**

3. **Please ensure pre-monsoon water level before lower the wel.**

For Geo Instruments & Technic's

(S. Shukla)

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

Discharge 340 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	DCRC Drilling including Hiring Transportation, 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	DCRC Drilling up to 100 Mtr.									
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	DCRC 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	DCRC Drilling from 201 MT. To 300 Mtr. Deep.									
1.3.1	450 MMD					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 MMD					54	2,539.29	Rmt	1,37,121.66	
1.4.2	150 MMD					184	1,991.60	Rmt	3,66,454.40	
	MSERW Pipe slotted pipe as per IS 8110									
1.4.3	200 MMD					0	3,817.70	Rmt	-	
1.4.4	150 MMD					12	3,067.06	Rmt	36,804.77	
1.5	MS fittings such as clamp, ball plug, reducer, well cap, girder & support structure									
	MS Ring									
1.5.1	200 mm Ø MS Ring made by 150 mm x 12 mm Flg.					10	1,593.28	No.	15,932.80	
1.5.2	150 mm Ø MS Ring made by 150 mm x 12 mm Flg.					34	1,264.67	No.	42,998.64	
	MS Ball plug As per IS 2800									
1.5.3	150 mm Ø M.S. Ball Plug					1	1,717.76	No.	1,717.76	

State Water Sanitation Mission (SWSM)

Reducer-							
1.5.4	200 x 150 mm Reducer			1	4,132.57	No.	4,132.57
MSSJ Clamp- As per IS 2800							
1.5.5	200 mm Ø MSS J. Clamp			1	1,991.60	No.	1,991.60
1.5.6	150 mm Ø MSS J. Clamp				1,893.70	No.	-
TW Assy Support-							
1.5.7	200 mm Ø Tubewell Assembly Support			1	15,434.90	No.	15,434.90
MS Well Cap-							
1.5.8	200 mm Ø MS Well Cap			1	1,344.33	No.	1,344.33
Centre Guide-							
1.5.9	Center guide for 150mm Ø TW Assembly			3	916.14	No.	2,748.41
2.0	Lowering of above assembly with welding of parts complete in all respect with all required material, T&P, labour, etc.						As per RFP.
2.1	Lowering up to 100 Mtr. Deep						
2.1.1	200 MMØ MSERW Flange/Slotted Pipe			54	405.29	Rmt	21,885.69
2.1.2	150 MMØ MSERW Flange/Slotted Pipe			46	279.46	Rmt	12,855.22
2.2	Lowering from 101 Mtr. To 200 Mtr. Deep						
2.2.1	200 MMØ MSERW Flange/Slotted Pipe				481.97	Rmt	-
2.2.2	150 MMØ MSERW Flange/Slotted Pipe			100	566.77	Rmt	36,677.31
2.3	Lowering from 201 Mtr. To 300 Mtr. Deep						
2.3.1	150 MMØ MSERW Flange/Slotted Pipe			50	431.21	Rmt	21,560.56
2.4	Lagging of Borehole by electro lagging						
				1	17,924.40	job	17,924.40
2.5	Supplying and mechanical packing of gravel with suitable size						
				61	7,468.50	cum	4,55,878.50
3.0 Development of Tube well							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 cucc OP Unit						
				160	1,120.28	Hr.	1,12,027.50
Total							
						Say (In Lacs)	22,90,240.46