

OP Not Done 142

**M/S Afcons Infrastructure Limited**  
**Regd Office: AFCONS House, 16, Shah Industrial Estate, Vaera Desai Road, Azadnagar, Andheri (W), Mumbai - 400 053**  
**Under Jal Jivan Mission, District- Jaunpur (U.P.)**

Scheme name - CHATURBHUPUR TW, Block - BARSETHI , District- Jaunpur by air compressor under JIM- III





Size of tube well (mm): 200X150 RPM : 1100

Static water level (m): 11.00 Discharge by-90 'V' notch (Rectangular)

Depth of TW (m): 181.65 Date: 21-03-2024

S.N.	Pressure in kg/cm2		Depth of air line at the time of testing (m)	Discharge by 'V' Notch		Sand content in P.P.M.					Remark
	Starting Pressure	Running Pressure		Inch	LPM	At start	After 5 min	After 10 min	After 15 min	After 20 min	
1	4.50	3.90	174	7.50	1311	9750	8450	7350	6550	5750	Recommended further for development by O.P. Unit
2	4.15	3.60	156	6.75	1008	7950	7350	6150	5250	4250	
3	3.90	3.50	123	5.50	604	6950	6250	4950	4350	3350	

Testing carried out in presence of following officials

 (.....) Company Repr. M/s Afcons Infrastructure Limited	 (Aditya Singh) Junior Engineer	 (Sudhanshu Singh) Assistant Engineer	 (Adarsh Verma) Exe. Engineer
--	--	--	--

Division Office (E&M), U.P. Jal Nigam (Rural), Varanasi

Project Details:- Jal Jeevan Mission - Empanelment of Survey, Design, Preparation of DPR, Construction, Commissioning and O&M for 10 Years of Various Rural Water Supply Projects in the State of Uttar Pradesh as per Request for Proposal for Division - Varanasi, District - Jaunpur.



LOG SHEET FOR COMPRESSOR DURING DEVELOPMENT OF TUBEWELL



NAME OF TUBEWELL	Chaturbhuzpur
BLOCK	Barsethi
DISTRICT	Jaunpur
CAPACITY OF COMPRESSOR	600 PSI

Sr. No	Date	Start Time	End Time	Total Running Hour	Per day Running Hour	Cumulative Running Hour	Remarks
1	17-Mar-23	8:00:00 AM	10:30:00 AM	02:30	08:15	8:15	
		11:00:00 AM	1:45:00 PM	02:45			
		2:00:00 PM	5:00:00 PM	03:00			
2	18-Mar-23	7:00:00 AM	10:00:00 AM	03:00	08:00	16:15	
		10:30:00 AM	1:00:00 PM	02:30			
		2:00:00 PM	4:30:00 PM	02:30			
3	19-Mar-23	7:00:00 AM	10:00:00 AM	03:00	08:30	24:45	
		11:30:00 AM	2:30:00 PM	03:00			
		3:00:00 PM	5:30:00 PM	02:30			
4	20-Mar-23	7:00:00 AM	9:30:00 AM	02:30	08:00	32:45	
		10:00:00 AM	1:00:00 PM	03:00			
		2:00:00 PM	4:30:00 PM	02:30			
5	21-Mar-23	7:30:00 AM	9:30:00 AM	02:00	07:15	40:00	
		11:00:00 AM	1:15:00 PM	02:15			
		2:30:00 PM	4:30:00 PM	02:00			
		5:00:00 PM	6:00:00 PM	01:00			

AFCONS

J. Shanker  
TPIA (MTCPL)

UPJN

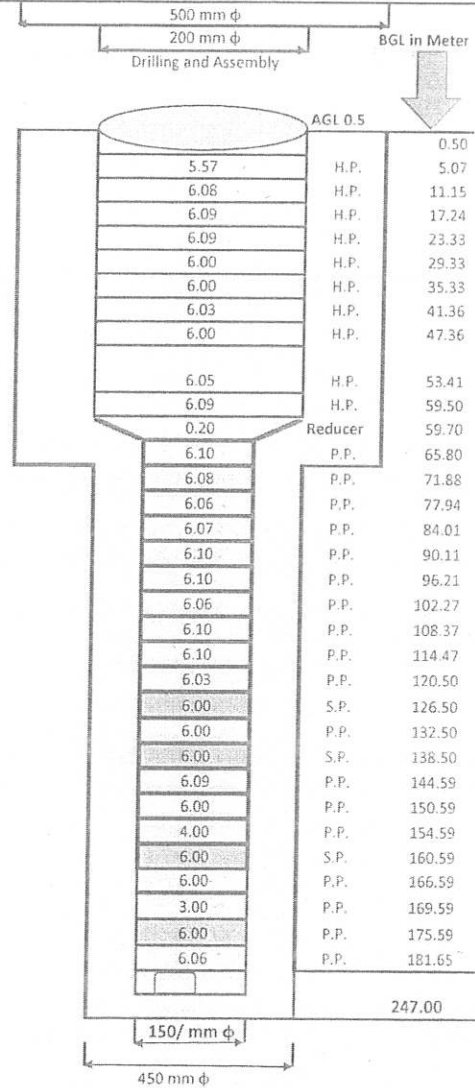
Actual Tube well Assembly of Chaturbhujpur TW, Block - Barsathi, Distt. - Jaunpur

PHYSICAL STRATA			
S NO.	BGL in Meter		Formation
	From	To	
1	0	15	S.Soil
2	15	41	F.S.
3	41	56	Clay
4	56	112	M.S.
5	112	140	Clay + Kankar
6	140	247	C.S.

Logging Report					
Date of Logging - 06.01.2024					
S. No.	Depth (MBGL)		Thickness (mtr)	Quality (in terms of)	Remarks
	From	To			
1	25	32	7	Good	
2	39	43	4	Moderate	
3	92	102	10	Good	
4	110	114	4	Good	
5	120	127	7	Good	
6	132	145	13	Good	
7	154	161	7	Good	
8	169	176	7	Good	
9	181	188	7	Good	
8	192	199	7	Good	
9	204	211	7	Good	
10	215	221	6	Good	
9	224	227	3	Good	
10	230	234	4	Good	
11	237	241	4	Good	

- Note :
1. Fine bands of kankar are intermixed with almost all the zones.
  2. Zone Sl.No. 5,6,8,14 & 15 are highly intermixed with fine bands of
  3. Quality of ground water is deteriorating marginal to saline in between 53.0 to 85.0 mbgl
  4. Predominated clay is present in depth range 85.0 to 91.0 m bgl.
  5. Please ensure pre-monsoon water level before lowering the well assembly.

Date of Lowering			
1	Depth of Bore 500 mm φ	66.00	Mbgl
2	Depth of Bore 450 mm φ	181.00	Mbgl
3	Housing Pipe 200 mm φ	60.00	M
4	Plain Pipe 150 mm φ	97.95	M
5	Slotted Pipe 150 mm φ	24.00	M
6	200x150 mm φ Reducer	0.20	M
<b>Total Lowering</b>		<b>182.15</b>	



 Company Representative M/S Afcons Infrastructure, Jaunpur (U.P.)	 TPIA M/S Medhaj Techno Concept Pvt. Ltd. Jaunpur (U.P.)	 (Aditya Singh) Junior Engineer	 (Sudhanshu Singh) Assistant Engineer	 (Adarsh Verma) Executive Engineer
Division Office (E&M), UP Jal Nigam (Rural), Varanasi				

**ESTIMATE FOR CHATURBHUZPUR GRAM PANCHAYAT  
WATER SUPPLY SCHEME  
UNDER - JJM**

**BLOCK - BARSATHI, TEHSIL - MARIYAHU, DISTRICT - JAUNPUR**

**Estimate of Cost of One Tubewell construction**

Discharge	560	LPM
Head	48	M
Drilling Depth of Tube well	300	M
Lowering of Tube well	270	M
Size of Tube well Assembly	200 x 150 mm	

SI No.	Item of work	No.	Qty	Rate (In Rs)	Unit	Amount (In Rs.)	Remarks	SOR Item No.
1	<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 labor T&amp;P etc.</b>						As per RFP.	
1.1	<b>DC/RC Drilling up to 100Mtr.</b>							
1.1.1	Tube well construction - 600 MMØ	1	0	3246.22	Rmt	0.00		2.04
1.1.2	Tube well construction - 500 MMØ	1	66.0	2721.00	Rmt	179586.00		2.03
1.1.3	Tube well construction - 450 MMØ	1	34.0	2458.39	Rmt	83585.26		2.02
1.2	<b>DC/RC Drilling from 101 MT. To 200 Mtr.Deep</b>							
1.2.1	450 MMØ	1	100.0	2778.52	Rmt	277852.00		2.06
1.3	<b>DC/RC Drilling from 201 MT. To 300 Mtr.Deep</b>							
1.3.1	450 MMØ	1	100.0	3163.42	Rmt	316342.00		2.10
1.4	<b>DC/RC Drilling from 301 MT. To 400 Mtr.Deep &amp; above</b>							
1.4.1	450 MMØ	1	0.0	3708.29	Rmt	0.00		2.14
1.4.2	Development / Flushing of tubewell	1	0.0	2900.00	Hr.	0.00		2.18
2.0	<b>Tubewell Assembly:</b>							
2.1	<b>MSERW Plain pipe as per IS 4270</b>							
2.1.1	200 MMØ	1	60.0	2550.00	Rmt	153000.00		3.03
2.1.2	150 MMØ	1	186.0	2000.00	Rmt	372000.00		3.02
2.2	<b>MSERW Pipe slotted pipe as per IS 8110</b>							
2.2.1	150 MMØ	1	24.0	3080.00	Rmt	73920.00		3.06
2.3	150 mmØ MS. Ring made by 150 mm × 12 mm Flat	1	39	1270.00	Nos.	49530.00		3.10
2.4	200 mmØ MS. Ring made by 150 mm × 12 mm Flat	1	10	1600.00	Nos.	16000.00		3.11
2.5	150 mm M.S. Bail plug	1	1	1725.00	Nos.	1725.00		3.14
2.6	200 × 150 mm Reducer	1	1	4150.00	Nos.	4150.00		3.18
2.7	200 mm Ø MS S.I Clamp	1	1	2000.00	Nos.	2000.00		3.24
2.8	200 mm Ø Tubewell Assembly Support	1	1	15500.00	Nos.	15500.00		3.28
2.90	200 mm Ø MS Well Cap	1	1	1350.00	Nos.	1350.00		3.32
2.10	Center Guide for 150 mmØ TW assembly	1	18	920.00	Nos.	16560.00		3.34
3	<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.	
3.1	<b>Lowering up to 100 Mtr. Deep</b>							
3.1.1	200 MMØ MSERW Plane/Slotted Pipe	1	60.0	396.00	Rmt	23760.00		4.03
3.1.2	150 MMØ MSERW Plane/Slotted Pipe	1	40.0	319.00	Rmt	12760.00		4.02