

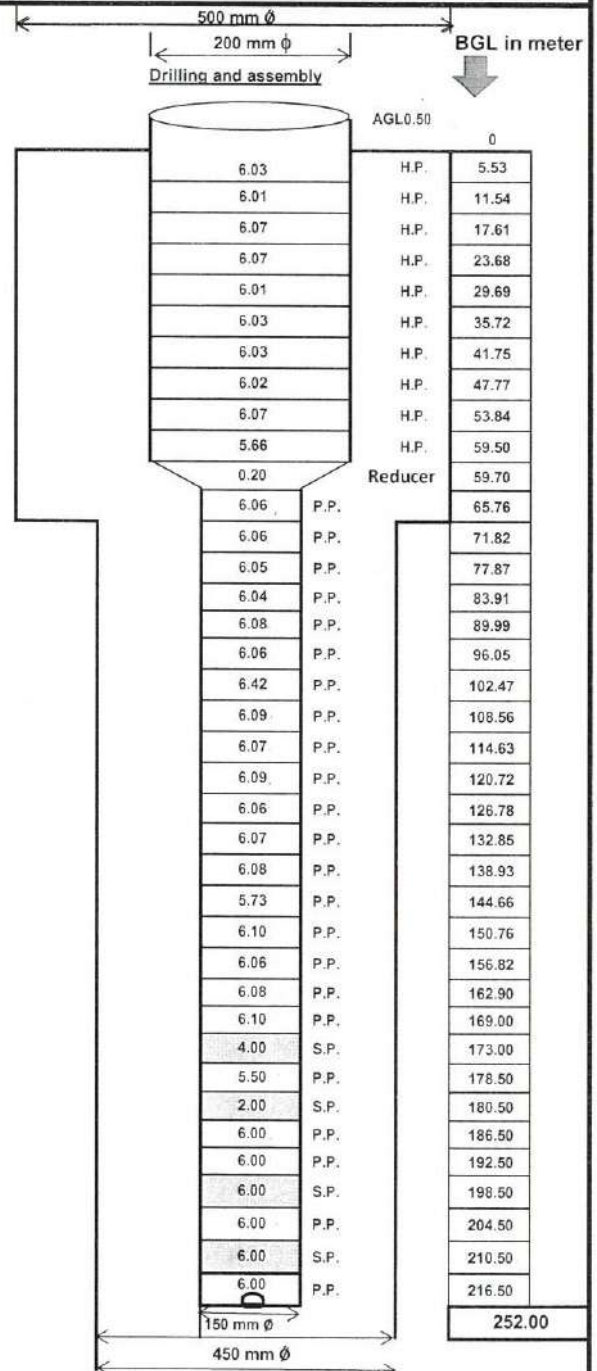
Actual TW Assembly of Kusanw TW , Block- Jalalpur, Dist. Jaunpur

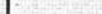
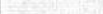
PHYSICAL STRATA			
S.No.	BGL in meter		Formation
	From	to	
1	0	45	Clay
2	45	60	Kankar
3	60	100	Very Fine sand
4	100	115	Clay + Kankar
5	115	190	Fine Sand
6	190	252	Medium sand

Logging Report					
Date of Logging				10-01-2024	
S.N.	Depth (Mbgl)		Thickness (m)	Quality (In terms of Salinity)	Remark
	From	to			
1	16	23	7	Good	
2	26	30	4	Moderate	
3	158	162	4	Moderate	
4	168	174	6	Good	
5	178	181	3	Good	
6	192	199	7	Good	
7	204	211	7	Good	
8	214	218	4	Good	
9	226	230	4	Good	
10	236	240	4	Good	
11	245	251	6	Good	

- Note: 1. Fine bands of kankar are intermixed with almost all the zones.
2. Quality of Ground water is deteriorating Marginally saline in Between 36.0 to 151.0m bgl.
3. Predominated clay is present in depth range 151.0 to 157.0m bgl.
4. The TDS value with Zone Sl. No. 2 is approximate 700 to 800.
5. The TDS value with Zone Sl. No. 3 is approximate 600 to 700.
6. Please ensure pre-monsoon water level before lower the well assembly.

DETAILS		
1	Date of lowering	30-01-2024
2	Depth of bore 500mm ϕ	66.00 Meter
3	Depth of bore 450mm ϕ	186.00 Meter
4	Housing pipe 200 mm ϕ	60.00 Meter
5	Plain pipe 150 mm ϕ	138.80 Meter
6	Slotted pipe 150 mm ϕ	18.00 Meter
7	200x150 mm ϕ Reducer	0.20 Meter
Total tubewell assembly		217.00 Meter



 (.....) Company Repr. M/S Afcons Infrastructure Ltd Jaunpur (U.P.)	 V. Shankar TPIA Medhaj Techno Concept Pvt. Ltd.,Jaunpur	 (Aditya Singh) Junior Engineer	 (Sudhanshu Singh) Assistant Engineer - SWSM	 (Adarsh Verma) Exe. Engineer
Division Office (E&M), U.P.Jal Nigam (Rural), Varanasi				

GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Exploration and Instrumentation)

Sales & Service Dealer : Uptron Borehole logging system, UPTRON INDIA LTD., LUCKNOW

Ref:GIT:UP: PJM:23-24:LS:K- 582

Dated: 10-01-2024

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Kusanw
Block: Jalalpur
District: Jaunpur
State: Uttar Pradesh
Date of Logging: 10-01-2024
Logging Depth: 252.0 m bgl
Rm – 11.0 Ω m Rw – 15.0 Ω m

Latitude: 25.552865 Longitude: 82.823715

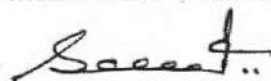
Borehole Drilled by: M/s Afcons Infrastructure Limited, Jaunpur,
Uttar Pradesh, India.

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.	16 – 23	07	Good
2.	26 – 30	04	Moderate
3.	158 – 162	04	Moderate
4.	168 – 174	06	Good
5.	178 – 181	03	Good
6.	192 – 199	07	Good
7.	204 – 211	07	Good
8.	214 – 218	04	Good
9.	226 – 230	04	Good
10.	236 – 240	04	Good
11.	245 – 251	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 in between 36.0 to 151.0 m bgl.
3. Predominated clay is present in depth range 151.0 to 157.0 m bgl.
4. The TDS value with Zone Sl. No. 2 is approximate 700 to 800.
5. The TDS value with Zone Sl. No. 3 is approximate 600 to 700.
6. Please ensure pre-monsoon water level before lower the well assembly.

For Geo Instruments & Technic's


(S. Shukla)

ESTIMATE FOR
KUSANW VILLAGE WATER SUPPLY SCHEME
UNDER - SWSM
BLOCK- JALALPUR , DISTRICT- JAUNPUR,
Discharge 450 LPM
Head 44 M
Drilling depth of Tube well 300 M
Lowering of Tube well 270 M
Size of Tube well 200 X 150 mm

ESTIMATE & DETAILED MEASUREMENT FOR TUBEWELL CONSTRUCTION

Sl No.	Item of work	No.	L	B	H/D	Qty	Rate	Unit	Amount	Remarks
2	DC/RC Drilling including Hiring transportaion, erection, dismantling with loading and unloading of Rig and assosiated T&P complete in all respect including required all material labour & T&P etc.									As per RFP.
-	DC/RC Drilling up to 100Mtr.									
2.02	450 MMØ	34.0				34.00	2,458.39	Mtr.	83,585.26	
2.03	500 MMØ	66.0				66.00	2,721.00	Mtr.	179,586.00	
-	DC/RC Drilling from 101 Mtr. To 200 Mtr.Deep									
2.06	450 MMØ	100.0				100.00	2,778.52	Mtr.	277,852.00	
-	DC/RC Drilling from 201 Mtr. To 300 Mtr.Deep									
2.10	450 MMØ	100.0				100.00	3,163.42	Mtr.	316,342.00	
3.00	Tubwell Assembly:									
-	MSERW plain pipe,As per IS 4270									
3.02	150 MMØ	192.0				192.00	2,000.00	Mtr.	384,000.00	
3.03	200 MMØ	60.0				60.00	2,550.00	Mtr.	153,000.00	
-	MSERW Pipe slotted pipe as per IS 8110									
3.06	150 MMØ	18.0				18.00	3,080.00	Mtr.	55,440.00	
-	Ms Ring									
3.10	150 MMØ Ms. Ring made by 150 mm x 12 mm Flat	44.0				44.00	1,270.00	No.	55,880.00	
3.11	200 MMØ Ms. Ring made by 150 mm x 12 mm Flat	13.0				13.00	1,600.00	No.	20,800.00	
-	Ms Bail Plug As Per IS 2800									
3.14	150 MMØ Ms Bail Plug	1.0				1.00	1,725.00	No.	1,725.00	
-	Reducer-									
3.18	200 x 150 mm Reducer	1.0				1.00	4,150.00	No.	4,150.00	
-	MSSI Clap- As Per IS 2800									
3.24	200 mm Ø MS SI Clap	1.0				1.00	2,000.00	No.	2,000.00	
-	TW ASSY Support-									
3.28	200 mm Ø Tubewell assembly Support	1.0				1.00	15,500.00	No.	15,500.00	
-	MS Well Cap-									
3.32	200 mm Ø MS Well Cap	1.0				1.00	1,350.00	No.	1,350.00	
-	Center Guide-									
3.34	Center Guide For 150 mm Ø TW Assembly	20.0				20.00	920.00	No.	18,400.00	
4.00	Lowering of above Tubewell assembly including Carting upto site and welding of parts complete in all respect with all required material, T&P, labour, etc.									
4.02	150 MMØ MSERW Plane/Slotted Pipe	40.0				40.00	319.00	Mtr.	12,760.00	
4.03	200 MMØ MSERW Plane/Slotted Pipe	60.0				60.00	396.00	Mtr.	23,760.00	
-	Lowering from 101 Mtr. To 200 Mtr. Deep									
4.06	150 MMØ MSERW Plane/Slotted Pipe	100.0				100.00	407.00	Mtr.	40,700.00	