

LOA No. : 3207/M-27/(Devi Patan)/2022-23, DT:04.11.2022.  
 PROJECT : State Water & Sanitation Mission (SWSM) Under Jal Jeevan Mission (JIM).  
 NAME OF WORK : Rural Water Supply Project  
 EXECUTING AGENCY : M/s GA Infra - VPL (JV)  
 COVER AGREEMENT : 48/ED/PHASE-5/22-23/III DATED-03.04.23

(ANNEXURE-I)

BOQ Item No	Description of Items	UOM	% of Claim	Quoted/Accepted rate @ 0.10%	BOQ			Previous Claim			Present Claim			Cumulative Claim			Remarks
					Qty	Claim Wise BOQ Qty	Amount	Claim Wise BOQ Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	
(1)	(2)	(3)	(4)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)		
1.00	SURVEY	LS	100%	3,46,438.90	1.00	1.00	3,46,438.90	3,46,438.90	1.00	3,52,000.00	-	-	-	-	-		
1.01	All the works including Hydrological survey, topographical survey, Design charges including preparation and approval of DPR																
2.04	DC/RC Drilling up to 100Mtr. Tube well construction	Mtr.	100%	2,51,537.00	100.00	100.00	2,51,537.00	2,51,537.00	100.00	2,51,537.00	100.00	2,51,537.00	100.00	2,51,537.00			
2.07	DC/RC Drilling from 101 Mtr. To 200 Mtr. Deep	Mtr.	100%	2,505.95	5.00	5.00	12,529.75	12,529.75	17.00	42,601.15	17.00	42,601.15	17.00	42,601.15			
2.08	500 MMØ	Mtr.	100%	2,934.03	95.00	95.00	2,78,732.85	2,78,732.85	83.00	2,43,524.49	83.00	2,43,524.49	83.00	2,43,524.49			
2.11	DC/RC Drilling from 201 Mtr. To 300 Mtr. Deep	Mtr.	100%	3,187.76	100.00	100.00	3,18,776.00	3,18,776.00	100.00	3,18,776.00	100.00	3,18,776.00	100.00	3,18,776.00			
3.03	MSERW plain pipe, As per IS 4270	Mtr.															
Interim Payment	1. On Supply & Delivery.	Mtr.	70%	2,547.45	179.00	179.00	4,55,993.55	4,55,993.55	179.00	3,19,195.49	8.66	3,19,195.49	187.66	3,19,195.49			
Interim Payment	2. On completion erection/fixing/laying/jointing.	Mtr.	20%	2,547.45	179.00	179.00	91,198.71	91,198.71	187.66	95,610.89	187.66	95,610.89	187.66	95,610.89			
Interim Payment	3. On Completion of Testing.	Mtr.	5%	2,547.45	179.00	179.00	22,799.68	22,799.68	187.66	23,902.72	187.66	23,902.72	187.66	23,902.72			
3.04	300 MMØ	Mtr.															
Interim Payment	1. On Supply & Delivery.	Mtr.	70%	3,986.01	42.00	42.00	1,17,188.69	1,17,188.69	42.00	1,17,188.69	0.14	390.63	42.14	1,17,579.32			
Interim Payment	2. On completion erection/fixing/laying/jointing.	Mtr.	20%	3,986.01	42.00	42.00	33,594.09	33,594.09	42.14	33,594.09	42.14	33,594.09	42.14	33,594.09			
Interim Payment	3. On Completion of Testing.	Mtr.	5%	3,986.01	42.00	42.00	8,370.62	8,370.62	42.14	8,398.52	42.14	8,398.52	42.14	8,398.52			
3.07	MSERW pipe slotted pipe as per IS 8110	Mtr.															
Interim Payment	1. On Supply & Delivery.	Mtr.	70%	3,829.97	54.00	54.00	2,06,818.38	2,06,818.38	54.00	1,44,772.87	14.00	37,533.71	40.00	1,07,239.16			
Interim Payment	2. On completion erection/fixing/laying/jointing.	Mtr.	20%	3,829.97	54.00	54.00	41,363.68	41,363.68	54.00	43,636.32	30.00	22,979.82	30.00	22,979.82			
Interim Payment	3. On Completion of Testing.	Mtr.	5%	3,829.97	54.00	54.00	10,340.92	10,340.92	54.00	5,744.96	30.00	5,744.96	30.00	5,744.96			
3.11	MS Ring	No.															
Interim Payment	1. On Supply & Delivery.	Mtr.	70%	1,598.40	39.00	39.00	62,337.60	62,337.60	39.00	43,636.32	-	-	39.00	43,636.32			
Interim Payment	2. On completion erection/fixing/laying/jointing.	Mtr.	20%	1,598.40	39.00	39.00	12,467.52	12,467.52	39.00	11,508.48	36.00	11,508.48	36.00	11,508.48			
Interim Payment	3. On Completion of Testing.	Mtr.	5%	1,598.40	39.00	39.00	3,116.88	3,116.88	39.00	2,877.12	36.00	2,877.12	36.00	2,877.12			
3.12	300 mm Ø MS. Ring made by 175 mm x 16 mm Flat	No.															
Interim Payment	1. On Supply & Delivery.	Mtr.	70%	2,067.93	7.00	7.00	14,475.51	14,475.51	7.00	10,132.86	7.00	10,132.86	7.00	10,132.86			
Interim Payment	2. On completion erection/fixing/laying/jointing.	Mtr.	20%	2,067.93	7.00	7.00	2,895.10	2,895.10	7.00	2,895.10	7.00	2,895.10	7.00	2,895.10			
Interim Payment	3. On Completion of Testing.	Mtr.	5%	2,067.93	7.00	7.00	723.78	723.78	7.00	723.78	7.00	723.78	7.00	723.78			
3.15	MS Ball plug As per IS 2800	No.															
Interim Payment	1. On Supply & Delivery.	Mtr.	70%	2,067.93	1.00	1.00	2,067.93	2,067.93	1.00	1,447.55	1.00	1,447.55	1.00	1,447.55			
Interim Payment	2. On completion erection/fixing/laying/jointing.	Mtr.	20%	2,067.93	1.00	1.00	413.59	413.59	1.00	413.59	1.00	413.59	1.00	413.59			
Interim Payment	3. On Completion of Testing.	Mtr.	5%	2,067.93	1.00	1.00	103.40	103.40	1.00	103.40	1.00	103.40	1.00	103.40			
3.17	Reducer.	No.															
Interim Payment	1. On Supply & Delivery.	Mtr.	70%	6,543.45	1.00	1.00	6,543.45	6,543.45	1.00	4,580.42	1.00	4,580.42	1.00	4,580.42			
Interim Payment	2. On completion erection/fixing/laying/jointing.	Mtr.	20%	6,543.45	1.00	1.00	1,308.69	1,308.69	1.00	1,308.69	1.00	1,308.69	1.00	1,308.69			
Interim Payment	3. On Completion of Testing.	Mtr.	5%	6,543.45	1.00	1.00	327.17	327.17	1.00	327.17	1.00	327.17	1.00	327.17			
3.25	MSSJ Clamp-As per IS 2800	No.															
Interim Payment	1. On Supply & Delivery.	Mtr.	70%	4,045.95	1.00	1.00	4,045.95	4,045.95	1.00	2,832.17	1.00	2,832.17	1.00	2,832.17			
Interim Payment	2. On completion erection/fixing/laying/jointing.	Mtr.	20%	4,045.95	1.00	1.00	809.19	809.19	1.00	809.19	1.00	809.19	1.00	809.19			
Interim Payment	3. On Completion of Testing.	Mtr.	5%	4,045.95	1.00	1.00	202.30	202.30	1.00	202.30	1.00	202.30	1.00	202.30			
3.29	TW Assy Support.	No.															
Interim Payment	1. On Supply & Delivery.	Mtr.	70%	17,482.50	1.00	1.00	17,482.50	17,482.50	1.00	12,237.75	1.00	12,237.75	1.00	12,237.75			
Interim Payment	2. On completion erection/fixing/laying/jointing.	Mtr.	20%	17,482.50	1.00	1.00	3,496.50	3,496.50	1.00	3,496.50	1.00	3,496.50	1.00	3,496.50			



Signature: S.W.

JUNIOR ENGINEER  
 DIVISION OFFICER (M)  
 U.P. JAL NIGAM, JALNUNDA

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(ANNEXURE-I)

BOQ Item No	Description of Items	UOM	% of Claim	Quoted/Accepted rate @ -0.10%	BOQ			Previous Claim			Present Claim			Cumulative Claim			Remarks	
					Qty	Claim Wise BOQ Amount	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount			
(1)	3. On Completion of Testing.	Mtr.	5%	17,482.50	874.13	-	-	-	-	-	-	-	-	-	-	-	-	(17)
3.33	MS Well Cap 300 mm ø MS Well Cap 1. On Supply & Delivery. 2. On completion erection/fixing/laying/jointing. 3. On Completion of Testing.	No. Mtr. Mtr. Mtr.	70% 20% 5%	1,548.45 1,548.45 1,548.45 1,548.45	1,083.92	1,548.45	1,083.92	1.00	1,083.92	1.00	309.69	1.00	309.69	1.00	1,083.92	1.00	1,083.92	
3.34	Centre Guide Centre guide for 150mm ØTW Assembly 1. On Supply & Delivery. 2. On completion erection/fixing/laying/jointing. 3. On Completion of Testing.	No. Mtr. Mtr. Mtr.	70% 20% 5%	919.08 919.08 919.08 919.08	9,650.34	13,786.20	9,650.34	15.00	9,650.34	15.00	2,757.24	15.00	2,757.24	15.00	9,650.34	15.00	9,650.34	
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.	Mtr.	70%	417.59	-	24,220.22	-	58.00	24,220.22	-	-	-	-	-	-	-	-	
4.03	200 MMØ MSERW Plane/Slotted Pipe 1. On Supply & Delivery. 2. On completion erection/fixing/laying/jointing. 3. On Completion of Testing.	Mtr. Mtr. Mtr. Mtr.	70% 20% 5%	417.59 417.59 417.59 417.59	16,954.15	4,844.04	16,954.15	58.00	16,954.15	58.00	4,844.04	58.00	4,844.04	58.00	16,954.15	58.00	16,954.15	
4.04	300 MMØ MSERW Plane/Slotted Pipe 1. On Supply & Delivery. 2. On completion erection/fixing/laying/jointing. 3. On Completion of Testing.	Mtr. Mtr. Mtr. Mtr.	70% 20% 5%	485.52 485.52 485.52 485.52	14,274.29	20,391.84	14,274.29	42.00	20,391.84	42.00	4,214	42.14	4,214	42.14	14,321.87	42.14	14,321.87	
4.07	Lowering from 101 Mtr. To 200 Mtr. Deep 200 MMØ MSERW Plane/Slotted Pipe 1. On Supply & Delivery. 2. On completion erection/fixing/laying/jointing. 3. On Completion of Testing.	Mtr. Mtr. Mtr. Mtr.	70% 20% 5%	494.51 494.51 494.51 494.51	49,451.00	49,451.00	49,451.00	100.00	49,451.00	100.00	34,615.70	100.00	34,615.70	100.00	49,451.00	100.00	49,451.00	
4.11	Lowering from 201 Mtr. To 300 Mtr. Deep 200 MMØ MSERW Plane/Slotted Pipe 1. On Supply & Delivery. 2. On completion erection/fixing/laying/jointing. 3. On Completion of Testing.	Mtr. Mtr. Mtr. Mtr.	70% 20% 5%	524.48 524.48 524.48 524.48	39,336.00	39,336.00	39,336.00	75.00	39,336.00	75.00	27,535.20	75.00	27,535.20	75.00	39,336.00	75.00	39,336.00	
4.17	Logging of Borehole by Electric Logging Cement Sealing for QPV Areas including all Materials, T&P and Labour etc for Completion of work.	job job job job	100% 100% 100% 100%	17,982.00 999.00 19,980.00 7,492.50	17,982.00	3,83,616.00	17,982.00	1.00	3,83,616.00	384.00	3,83,616.00	384.00	3,83,616.00	384.00	3,83,616.00	384.00	3,83,616.00	
5.00	Cement sealing Supplying and unconsolidated packing of gravel with suitable size	job Cum	100% 100%	19,980.00 7,492.50	19,980.00	2,47,252.50	19,980.00	1.00	2,47,252.50	33.00	2,47,252.50	33.00	2,47,252.50	33.00	2,47,252.50	33.00	2,47,252.50	
6.04	600 PSI Compressor per hour	Hr.	100%	5,494.50	5,494.50	2,74,725.00	50.00	2,74,725.00	2,74,725.00	50.00	2,74,725.00	50.00	2,74,725.00	50.00	2,74,725.00	50.00	2,74,725.00	
6.07	Charges for Development of TW by 3 cusec OP Unit SITC of Energy efficient AC Submersible Pumping plant with submerisible flat cable of suitable length, main Piping & Valves with 08 nos Column Pipes, Distance piece for Rising Main and Bypass side, NRV cum Pump and Column Pipe Joiner, Power wiring, Chemical earthing, Painting, wiring of pump house (Internal & External) and Installation Job of Pumping Plant complete in all respect with all required material, T&P labour complete in all respect for following duties in Solar Powered Applications-	Hr.	100%	1,403.60	1,403.60	1,40,360.00	100.00	1,40,360.00	1,40,360.00	100.00	1,40,360.00	100.00	1,40,360.00	100.00	1,40,360.00	100.00	1,40,360.00	
7.00	25 HP 1. Supply of Tube well Pumps with motors starter panel. 2. Supply of Cable for Tube well set in all respect.	Nos. Nos. Nos.	70% 10% 20%	3,33,708.96 3,33,708.96 3,33,708.96	3,33,708.96	3,33,708.96	1.00	3,33,708.96	3,33,708.96	1.00	2,33,596.27	1.00	2,33,596.27	1.00	3,33,708.96	1.00	3,33,708.96	
9.00	Pressure Transmitter 1. On Supply & Delivery.	Nos. Mtr.	70%	44,955.00	44,955.00	44,955.00	1.00	44,955.00	44,955.00	1.00	31,468.50	1.00	31,468.50	1.00	44,955.00	1.00	44,955.00	



JUNIOR ENGINEER  
 DIVISION OF WATER  
 U.P. JAL NIGAM, GONDA

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 PROJECT : State Water & Sanitation Mission (SWSM) Under Jal Jeevan Mission (JJM).  
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 EXECUTING AGENCY : M/s GA Infra - VPL (JV)  
 COVER AGREEMENT : 48/ED/PHASE-5/22-23/III DATED-03.04.23

GRAM PANCHAYAT : JANGAL GULARIHA  
 DISTRICT : MIHPURWA  
 TRIPARTITE AGREEMENT : JIM/JUP/Phase5/Bahraich/GA Infra-VPL(JV)/3202/107 Dt. 28.02.23  
 RA BILL NO : JANGAL GULARIHA # RA-07, DATE : 02/03/2024

(ANNEXURE-I)

BOQ Item No	Description of Items	UOM	% of Claim	Quotee/Accepted rate @ -0.10%	BOQ			Previous Claim			Present Claim			Cumulative Claim			Remarks
					Qty	Claim Wise BOQ Qty	Amount	Qty	Amount	Claim Wise BOQ Amount	Qty	Amount	Qty	Amount	Qty	Amount	
(1)		(3)	(4)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)		
10.02	Electrically operated DI Sluice Valve metal seated PN 1.0 dia 150 mm	Nos.	70%	1,25,874.00	1.00	1.00	1,49,850.00	1,04,895.00	1.00	1,04,895.00	-	-	-	-	-		
Interim Payment	1. On Supply & Delivery.	Mtr.		1,25,874.00	1.00	1.00	1,49,850.00	1,04,895.00	1.00	1,04,895.00	-	-	-	-	-		
11.00	Providing and installation hydrostatic level sensor at all tubewell pumping system including all accessories etc. complete in all respect as per instructions of Engineer-in-charge.	Nos.	70%	86,713.20	37.00	37.00	32,08,388.40	-	-	-	-	-	-	-	-		
Interim Payment	1. On Supply & Delivery.	Mtr.		86,713.20	37.00	37.00	32,08,388.40	-	-	-	-	-	-	-	-		
18.00	SITC of Solar power plant (for complete plant) including solar panels, VFD, Structure earthing of all electrical items, Balance of system with auxiliary load arrangements for Field monitoring devices, Cleaning arrangements for solar panels, Interlocking Pavement below solar panels and installation and commissioning with civil works etc. complete in all respect with required material T&P labour.	KW	70%	86,713.20	37.00	37.00	32,08,388.40	-	-	-	-	-	-	-	-		
Interim Payment	1. On Supply & Delivery.	Mtr.		86,713.20	37.00	37.00	32,08,388.40	-	-	-	-	-	-	-	-		
33.00	Supply of following sizes pipes for distribution system conforming to latest/relevant I.S. 4984/1995 Specifications with all jointing materials and specials conforming to latest/relevant I.S. specifications including F.O.R. destination and all taxes and insurance etc. with loading unloading and carting up to site of work also including specials for these pipes and lowering them into the trenches and laying true to alignment and gradient and jointing etc. complete (including testing of pipe lines and cutting of pipes for making up the length but excluding the cost of trenches) all complete as per instructions to Engineer-in-charge.																
33.01	90mm dia HDPE Pipe PN-6; Class PE-100	Rmt	70%	253.75	1,956.00	1,956.00	4,96,335.00	-	-	-	-	-	-	-	-		
Interim Payment	1. On Supply & Delivery.	Mtr.		253.75	1,956.00	1,956.00	4,96,335.00	-	-	-	-	-	-	-	-		
33.02	75mm dia HDPE Pipe PN-6; Class PE-100	Rmt	70%	189.81	1,199.00	1,199.00	2,27,582.19	-	-	-	-	-	-	-	-		
Interim Payment	1. On Supply & Delivery.	Mtr.		189.81	1,199.00	1,199.00	2,27,582.19	-	-	-	-	-	-	-	-		
33.03	63mm dia HDPE Pipe PN-6; Class PE-100	Rmt	70%	145.86	8,371.00	8,371.00	12,20,994.06	-	-	-	-	-	-	-	-		
Interim Payment	1. On Supply & Delivery.	Mtr.		145.86	8,371.00	8,371.00	12,20,994.06	-	-	-	-	-	-	-	-		
33.04	110mm dia HDPE Pipe PN-6; Class PE-100	Rmt	70%	368.64	1,466.00	1,466.00	5,40,426.24	-	-	-	-	-	-	-	-		
Interim Payment	1. On Supply & Delivery.	Mtr.		368.64	1,466.00	1,466.00	5,40,426.24	-	-	-	-	-	-	-	-		
33.05	125mm dia HDPE Pipe PN-6; Class PE-100	Rmt	70%	470.53	1,703.00	1,703.00	8,01,312.59	-	-	-	-	-	-	-	-		
Interim Payment	1. On Supply & Delivery.	Mtr.		470.53	1,703.00	1,703.00	8,01,312.59	-	-	-	-	-	-	-	-		
33.07	160mm dia HDPE Pipe PN-6; Class PE-100	Rmt	70%	752.25	595.00	595.00	4,47,588.75	-	-	-	-	-	-	-	-		
Interim Payment	1. On Supply & Delivery.	Mtr.		752.25	595.00	595.00	4,47,588.75	-	-	-	-	-	-	-	-		
33.09	200mm dia HDPE Pipe PN-6; Class PE-100	Rmt	70%	1,137.86	25.00	25.00	28,446.53	-	-	-	-	-	-	-	-		
Interim Payment	1. On Supply & Delivery.	Mtr.		1,137.86	25.00	25.00	28,446.53	-	-	-	-	-	-	-	-		
48.00	Making house connection should be done atleast 2 m inside the boundary wall with provision of tap from distribution line to outer wall of house with supply of 1 m above G.I. pipe (15 mm) (above ground) & average 5 mtr. MDPE Pipe (20 mm) (below ground) including specials saddle Tapetc. of suitable size T&P etc. including excavation laying and jointing for proper completion of work as per instructions of Engineer as per Dwg 12 (excluding road restoration)	Nos.		3,696.30	1,081.00	1,081.00	39,95,700.30	-	-	-	-	-	-	-	-		
Interim Payment	1. Supply & Delivery of MDPE Pipes and flow control valve.	Nos.	35.0%	3,696.30	1,081.00	1,081.00	39,95,700.30	-	-	-	-	-	-	-	-		
Interim Payment	2. Supply & Delivery of Saddle & Brass Tap.	Nos.	25.0%	3,696.30	1,081.00	1,081.00	39,95,700.30	-	-	-	-	-	-	-	-		
Interim Payment	3. Supply & Delivery of GI Pipes and Fittings.	Nos.	10.0%	3,696.30	1,081.00	1,081.00	39,95,700.30	-	-	-	-	-	-	-	-		
51.00	CE/UL Certified Electromagnetic flow meters	Nos.		1,89,810.00	1.00	1.00	1,89,810.00	-	-	-	-	-	-	-	-		
Interim Payment	1. On Supply & Delivery.	Mtr.	70%	1,89,810.00	1.00	1.00	1,89,810.00	-	-	-	-	-	-	-	-		
51.04	200mm	Nos.	100%	59,940.00	-	-	-	-	-	-	-	-	-	-	-		
Additional Item	Installation testing and commissioning	Nos.		4,82,517.00	1.00	1.00	4,82,517.00	-	-	-	-	-	-	-	-		
Additional Item	DG set	Nos.		4,82,517.00	1.00	1.00	4,82,517.00	-	-	-	-	-	-	-	-		
Additional Item	40 KVA	Nos.		4,82,517.00	1.00	1.00	4,82,517.00	-	-	-	-	-	-	-	-		
Interim Payment	1. On Supply & Delivery.	Mtr.	70%	4,82,517.00	1.00	1.00	4,82,517.00	-	-	-	-	-	-	-	-		



*SM*

JUNIOR ENGINEER  
 DIVISION OFFICER (JJM)  
 U.P. JAL NIGAI  
 GONDA

**NAME OF THE SCHEME** : JANGAL GULARIHA  
**GRAM PANCHAYAT** : JANGAL GULARIHA  
**NAME OF THE BLOCK** : MIHIPURWA  
**DISTRICT** : BAHARICH  
**TRIPARTITE AGREEMENT** : JJM/UP/Phase5/Bahraich/GA Infra-VPL/JV/3202/107 Dt. 28.02.23  
**RA BILL NO** : JANGAL GULARIHA # RA-07, DATE : 02/03/2024  
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**PROJECT** : State Water & Sanitation Mission (SWSM) Under Jal Jeevan Mission (JJM).  
**NAME OF WORK** : Rural Water Supply Project  
**EXECUTING AGENCY** : M/s GA Infra - VPL JV  
**COVER AGREEMENT** : 48/ED/PHASE-5/22-23/III DATED-03.04.23

(ANNEXURE-I)

BOQ Item. No	Description of Items	UOM	% of Claim	Quoted/Accepted rate @ -0.10%	BOQ			Previous Claim			Present Claim			Cumulative Claim			Remarks
					Qty	Claim Wise BOQ Qty	Amount	Claim Wise BOQ Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	
(1)	(2)	(3)	(4)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)		
	Total Amount	=					4,87,47,911.00	4,87,47,911.00		87,14,715.62		22,46,528.61		1,09,61,644.23			

22,47,069.57



*[Handwritten Signature]*

JUNIOR ENGINEER  
 DIVISION OF SWSM (JJM)  
 U.P. JAL NIGAM, BAHARICHA, BAHARICHA



## MINING ASSOCIATES PVT. LTD.

### GEOPHYSICAL DIGITAL LOGGING REPORT

SITE:	JANGLEGULARIHA	DATE OF LOGGING:	14.06.2023
BLOCK:	MIHINPURWA	DRILLING DEPTH:	305.00 M
STATE:	UTTAR PRADESH	LOGGING DEPTH:	299.00M
ENGG:	ASHOK KUMAR	LOGGING COMPANY:	Mining Associates Pvt. Ltd.
Rm	0.934ohm\m	Rw	0.865ohm\m
DISTRIC	BAHRAICH		

#### AQUIFER:-

The depth zones with high resistivity and relatively low Natural Gamma radioactivity values are referred as Aquifer Zones.

#### CLAY:-

The depth zones with less resistivity and relatively high Natural Gamma radioactivity values are referred as Clay zones.

**NOTE:-** These values are only indicative. The thin clay or sand layer does not reveal its actual resistivity value

Sl. No.	Depth		Thickness (m)	Inferred lithology	Remark( Quality of Aquifer Water)
	From (m)	To (m)			
1	0	7	7	Top Soil	
2	7	83.5	76.5	Coares grain snad	Good
3	83.5	98	14.5	Coares to medium grain snad	
4	98	137	39	Coares grain snad	
5	137	144.5	7.5	Medium grain sand	
6	144.5	153	8.5	Coares to medium grain snad	
7	153	170	17	Medium grain sand with kankar	
8	170	192	22	Coares grain snad	
9	192	217	25	Coares to medium grain snad &kankar	
10	217	256.5	39.5 ✓	Coares grain snad	
11	256.5	271.5	15	Medium grain sand with kankar	
12	271.5	276	4.5	Clay	
13	276	287	11	Coares to medium grain snad	Good
14	287	298	11	Coares grain snad	

For Mining Associates Pvt. Ltd.

*Ashok Kumar*  
Geophysicist

CC;

- 1.Executive Engineer,C.D.(Rural),U.P. Jal Nigam, Gonda
- 2.M/S Vishwanath Projects Limited,Bahraich

*Seon*

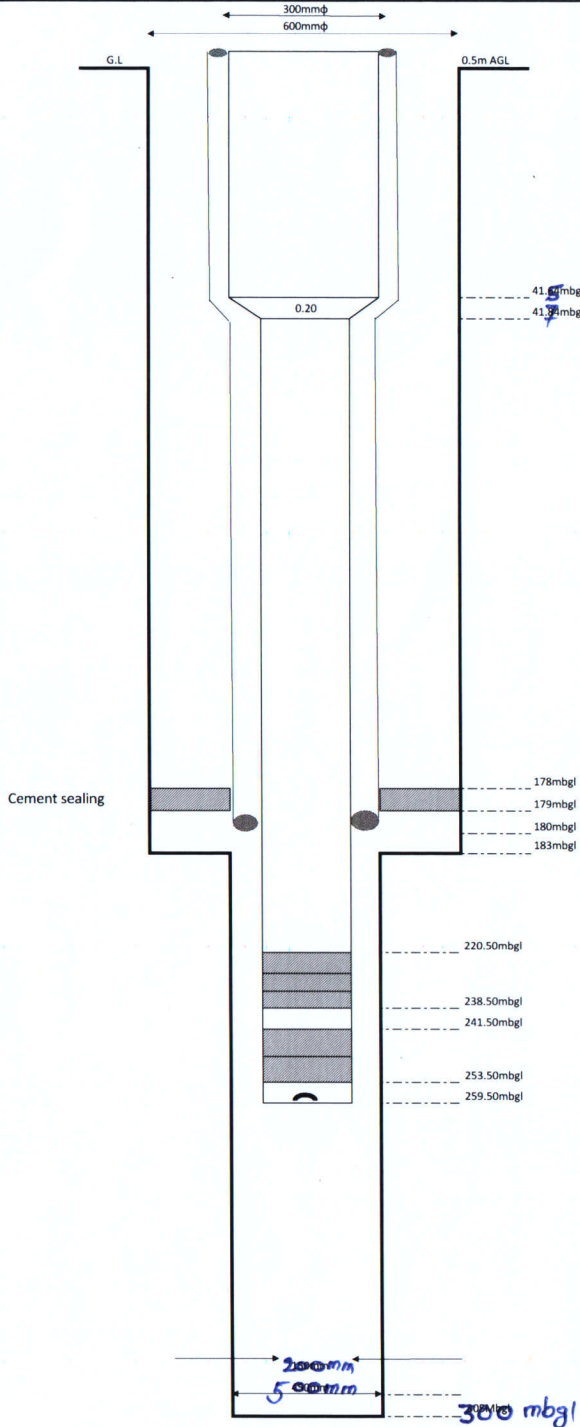
*Su*

JUNIOR ENGINEER  
DIVISION OFFICE (E/M)  
U.P. JAL NIGAM RURAL GONDA



# GA INFRA- VISHWANATH PROJECTS LIMITED

## PROPOSED STRATA CHART & TUBEWELL ASSEMBLY OF JANGAL GULARIHA W/S SCHEME, BLOCK-MIHINPURWA , DISTRICT- BAHRACH



1	Bore Size	600 X 300 mm
2	Assembly Size	300 X 300 mm
3	Drilling Depth	305 Mbgl
4	Logging Depth	299.00Mbgl
5	Date of Logging	14.06.2023
6	Required Discharge	1370 LPM/45m

### LOGGING REPORT-

Sl. No.	Depth Range(mbgl)		Inferred Lithology	Thickness(m)	Remark
	From (m)	To (M)			
1	0	7	TOP SOIL	7.0	GOOD
2	7	83.5	COARES GRAIN SAND	76.5	
3	83.5	98	COARES TO MEDIUM GRAIN SAND	14.5	
4	98	137	COARES GRAIN SAND	39.0	
5	137	144.5	MEDIUM GRAIN SAND	7.5	
6	144.5	153	COARES TO MEDIUM GRAIN SAND	8.5	
7	153	170	MEDIUM GRAIN SAND WITH KANKAR	17.0	
8	170	192	COARES GRAIN SAND	22.0	
9	192	217	COARES TO MEDIUM GRAIN SAND & KANKAR	25.0	
10	217	256.5	COARES GRAIN SAND	39.5	
11	256.5	271.5	MEDIUM GRAIN SAND WITH KANKAR	15.0	
12	271.5	276	CLAY	4.5	
13	276	287	COARES TO MEDIUM GRAIN SAND	11.0	
14	287	298	COARES GRAIN SAND	11.0	



GA INFRA- VISHWANATH P. LTD.

*S.N.*  
 (JE, UPJN(RURAL) E&M  
 GONDA)

JUNIOR ENGINEER

DIVISION OFFICE (E/M)  
 U.P. JAL NIGAM RURAL GONDA

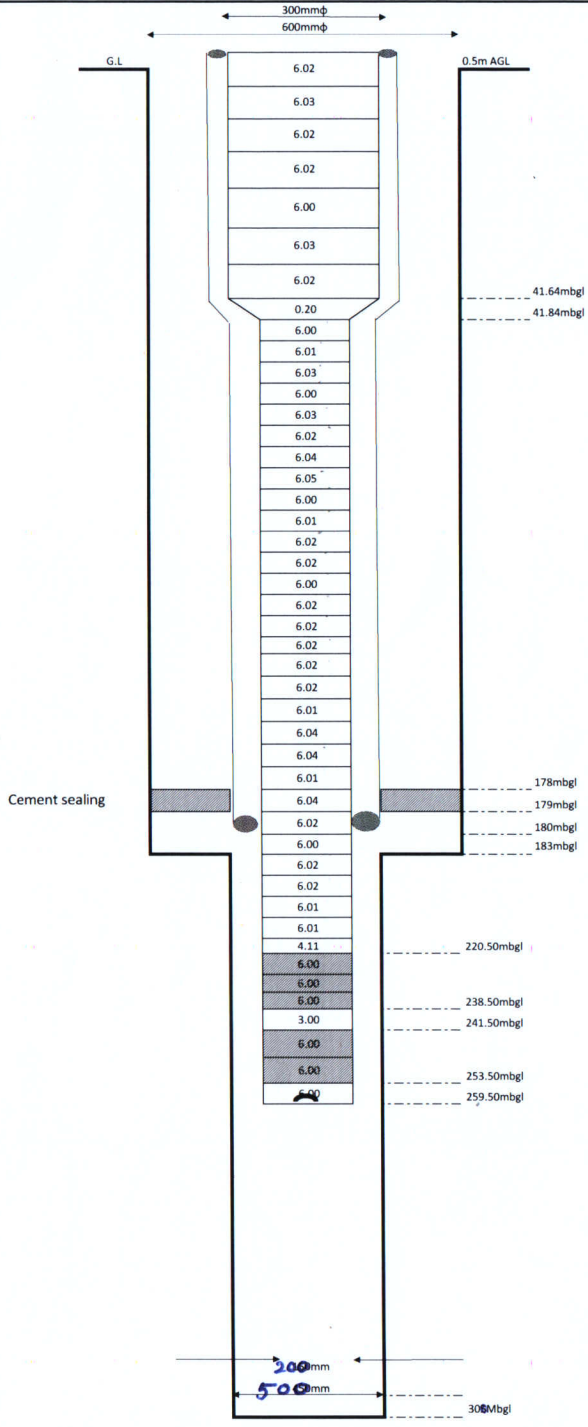
(AE, UPJN(RURAL) E&M GONDA

(EE, UPJN(RURAL) E&M  
 GONDA)



# GA INFRA- VISHWANATH PROJECTS LIMITED

ACTUAL STRATA CHART & TUBEWELL ASSEMBLY OF JANGAL GULARIHA W/S SCHEME, BLOCK-MIHINPURWA, DISTRICT- BAHAICH



1	Bore Size	600 X 400mm
2	Assembly Size	300 X 500mm
3	Drilling Depth	305 Mbgl
4	Logging Depth	299.00Mbgl
5	Date of Logging	14.06.2023
6	Required Discharge	1370LPM/45m
7	Date of Lowering	15.06.2023

**LOGGING REPORT-**

Sl. No.	Depth Range(mbgl)		Inferred Lithology	Thickness(m)	Remark
	From (m)	To (M)			
1	0	7	TOP SOIL	7.0	
2	7	83.5	COARES GRAIN SAND	76.5	GOOD
3	83.5	98	COARES TO MEDIUM GRAIN SAND	14.5	
4	98	137	COARES GRAIN SAND	39.0	
5	137	144.5	MEDIUM GRAIN SAND	7.5	
6	144.5	153	COARES TO MEDIUM GRAIN SAND	8.5	
7	153	170	MEDIUM GRAIN SAND WITH KANKAR	17.0	
8	170	192	COARES GRAIN SAND	22.0	
9	192	217	COARES TO MEDIUM GRAIN SAND & KANKAR	25.0	
10	217	256.5	COARES GRAIN SAND	39.5	
11	256.5	271.5	MEDIUM GRAIN SAND WITH KANKAR	15.0	
12	271.5	276	CLAY	4.5	
13	276	287	COARES TO MEDIUM GRAIN SAND	11.0	GOOD
14	287	298	COARES GRAIN SAND	11.0	

**Note:-**  
1 Almost all zones are intermixed with fine bands of kankar.

Sl. No.	Descriptions	Length(m)	Remarks
1	300mm $\phi$ Housing Pipe	42.14	
2	150mm $\phi$ Plain Pipe	187.66	
3	150mm Slotted Pipe	30.00	
4	300mmX150mm Reducer	0.20	
<b>Total Assembly</b>		<b>260.00</b>	
Less AGL		0.50	
<b>TOTAL BGL</b>		<b>259.50</b>	

*Handwritten signature/initials*



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 (JE, UPJN(RURAL) E&M GONDA)  
 JUNIOR ENGINEER  
 DIVISION OFFICE (E/M)  
 U.P. JAL NIGAM RURAL GONDA

(AE, UPJN(RURAL) E&M GONDA)

(EE, UPJN(RURAL) E&M GONDA)



**TEST REPORT OF DEVELOPMENT OF TUBEWELL BY 600 PSI AIR COMPRESSOR UNDER J.J.M PROGRAMME**

- 1. G.P NAME - JANGALGULARIHA
- 2. BLOCK- MIHINPURWA
- 3. DATE OF TESTING - 31-10-2023
- 4. T.W SIZE - 300X200 MM
- 5. S.W.L- 6.40MTR
- 6. AIR LINE LOWERED - 247.00 MTR
- 7. DISCHARGE MEASURED BY- M.S 90° V-NOTCH TANK
- 8. DEPTH OF TUBEWELL- 259.50 MTR
- 09. REQUIRED DICHARGE - 1370 Lpm

SR.NO	DEPTH OF AIR LINE LOWERED		DISCHARGE WATER HEAD 90° V-NOTCH TANK		STARTING PRESSURE	RUNNIG PRESSURE	DEPRESSION		SAND CONTENT IN PPM					REMARK
	IN MTR	IN MM	IN LPM	IN CM/CM^2	IN KG/CM^2	IN KG/CM^2	IN KG/CM^2	MTR	STARTING	5 MIIN	10 MIN	15 MIIN	20 MIN	
1	247	275	3320	24.5	23	1.5	15	6,500	4,500	3,500	2,000	1,000		

NOTE:RECOMMENDED FOR DEVELOPMENT OF T.W BY O.P UNIT.  
TEST CONDUCTED IN PRESENCE OF BY.



*[Handwritten Signature]*  
TPI

Junior Engineer  
JUNIOR ENGINEER  
DIVISION OFFICE (E/M)

Assistant Engineer

Executive Engineer

Divisional office U.P.Jal Nigam (Rural) Gonda.U.P-271001.

U.P. JAL NIGAM RURAL GONDA





# GA INFRA- VISHWANATH PROJECTS LIMITED



## YIELD TEST REPORT OF DEVELOPMENT OF TUBEWELL BY O.P UNIT UNDER J.J.M PROGRAMME

1. G.P NAME - JANGALGULARIHA
2. BLOCK - MIHINPURWA
3. DATE OF TESTING - 24-01-2024
4. T.W SIZE - 300 X 200
5. S.W.L- 6.04 MTR
6. COLUMN PIPE LOWERED - 24 MTR
7. SIZE OF COLUMN PIPE - 150 MM
8. ORIFICE SIZE - 6"X5"
9. CAPACITY OF O.P UNIT- 3 Cusec
10. REQUIRED DICHARGE - 1370 Lpm

SR.NO	DISCHARGE THROUGH ORFICE SIZE (6"X5")		S.W.L IN Mtr	R.W.L IN Mtr	DEPRESSION IN Mtr	SAND CONTENT IN PPM				REMARK	
	IN INCH	IN LPM				STARTING	5 MIN	10 MIN	15 MIN		20 MIN
1	35	2747	6.40	11.80	5.40	400	200	100	50	Tr	
2	25	2301	6.40	10.75	4.35	200	100	50	Tr	CL	
3	9	1408	6.40	9.45	3.05	100	50	Tr	CL	CL	

**NOTE:** Recommended Discharge 1370 Lpm at 3.05 mtr depression pump should be run atleast 15 min in By pass then after taken in line.

**TEST CONDUCTED IN PRESENCE OF BY**



*[Signature]*  
TPI

*[Signature]*  
Junior Engineer  
JUNIOR ENGINEER

DIVISION OFFICE (E/M)

U.P. JAL NIGAM RURAL GONDA

Assistant Engineer

Executive Engineer

U.P. - Jangalgosity

Log Book

Bachraich

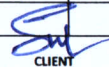
Development and Yield Test of T.W. by O.P Unit of ..... T.W. Distt: .....

Date	Time of start	Time of close	During Hours	Height of orifice Pipe in inches	Discharge in LMP	S.W.L. in mtr	R.W.L. in mtr	Depressi on in mtr	Sand Contents in P.P.M							Signature of O.P Unit Oprator	
									Starting	5min	10min	15min	20min	25min	30min		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
16/1/24	7:00AM	12:40PM	5:40														Tachir-H
"	1:15PM	6:50PM	4:35														Tachir-H
"	6:20PM	8:55PM	2:35														Tachir-H
17/1/24	7:00AM	1:46PM	6:40														Tachir-H
"	2:00PM	5:40PM	3:40														Tachir-H
"	6:15PM	8:50PM	2:35														Tachir-H
18/1/24	7:30AM	12:40PM	5:10														Tachir-H
"	1:30PM	4:35PM	3:05														Tachir-H
"	5:00PM	7:15PM	2:15														Tachir-H
19/1/24	7:00AM	1:55PM	6:55														Tachir-H
"	2:30PM	8:40PM	6:10														Tachir-H
20/1/24	8:00AM	12:55PM	4:55														Tachir-H
"	1:30PM	4:40PM	3:10														Tachir-H
"	5:15PM	8:35PM	3:20														Tachir-H
21/1/24	7:30AM	11:50AM	4:20														Tachir-H
"	12:15PM	4:40PM	4:25														Tachir-H
"	5:20PM	7:55PM	2:35														Tachir-H
22/1/24	7:00AM	1:38PM	6:38														Tachir-H
"	2:30PM	7:52PM	5:22														Tachir-H
23/1/24	8:00AM	1:42PM	5:40														Tachir-H
"	2:00PM	6:42PM	4:42														Tachir-H
24/1/24	7:00AM	10:55AM	2:55														Tachir-H
	total hours		99:22														
	say		99.36 Hr														



GA Infra/VPL JV

TPI

Seen  
  
 CLIENT

JUNIOR ENGINEER  
 DIVISION OFFICE (E/M)  
 U.P. JAL NIGAM RURAL GONDA



# Jal Jeevan Mission

Har Ghar Jal



Har Ghar Jal  
Jal Jeevan Mission

State Level Water Analysis Laboratory , U.P Jal Nigam (Rural), Lucknow

6 Rana pratap Marg Lucknow (Test Address only)

Print

## Test report

Sample ID: U1683852517996501

## User Information

Name: Vishwanath Projects Limited shankar

Mobile: 7799887237

Email: pc-jjm@vplindia.com

Pin  
Code:

Full Address: Village- Shahpur Jot Yusuph , Gram Panchayat- Shahpur Jot Yusuf, Block- Chitaura, District- Bahraich, State- Uttar Pradesh

## Sample description

Source of Sample:	Jangal Gulariha	Village:	Jangal Gulariha
Gram Panchayat:	Jangal Gulariha	Block:	Mihinpurwa
District:	Bahraich	State:	Uttar Pradesh
Address:		Remarks:	
Latitude:	28.209518	Longitude:	81.119206

### Date & time of sample collection

24.01.2024 | 06:42:00 PM

### Date & time of sample received in lab

25.01.2024 | 01:56:00 PM

### Date & time of sample analysed

06.02.2024 | 03:48:00 PM

### Date & time of report generation

23.02.2024 | 03:51:53 PM

## Test results

Sr. No.	Parameters tested	Unit of measurement	Requirement (acceptable limit) as per BIS 10500	Permissible limit (in absence of alternate source) as per BIS 10500	Test result value	Remarks
1	Aluminum (As Al)*	mg/l	0.03	0.2	0.000	✓
2	Barium (as Ba)*	mg/l	0.7	No Relaxation	0.155	✓
3	Boron (as B)*	mg/l	0.5	1	0.029	✓
4	Cadmium (As Cd)*	mg/l	0.003	No Relaxation	0.000	✓
5	Calcium (as Ca)*	mg/l	75	200	52.000	✓
6	Chloride (as Cl)*	mg/l	250	1000	10.000	✓
7	Copper (As Cu)*	mg/l	0.05	1.5	0.000	✓
8	E. coli*	CFU/100 ml	Shall not be detectable in any 100 ml sample	No Relaxation	0.000	✓
9	Fluoride (as F)*	mg/l	1	1.5	0.140	✓
10	Free residual Chlorine*	mg/l	0.2	1	0.000	✓
11	Iron (As Fe)*	mg/l	1	No Relaxation	0.259	✓
12	Lead (as Pb)*	mg/l	0.01	No Relaxation	0.000	✓
13	Magnesium (As Mg)*	mg/l	30	100	26.798	✓
14	Manganese (As Mn)*	mg/l	0.1	0.3	0.001	✓
15	Nickel (As Ni)*	mg/l	0.02	No Relaxation	0.001	✓
16	Nitrate (as NO3)*	mg/l	45	No Relaxation	1.000	✓
17	pH*	NA	6.5-8.5	No Relaxation	7.850	✓
18	Silver (as Ag)*	mg/l	0.1	No Relaxation	0.000	✓
19	Sulphate (as SO4)*	mg/l	200	400	3.670	✓
20	TDS*	mg/l	500	2000	380.000	✓
21	Total Alkalinity (as Calcium Carbonate)*	mg/l	200	600	285.000	✓
22	Total Arsenic (As As)*	mg/l	0.01	No Relaxation	0.001	✓
23	Total Chromium (As Cr)*	mg/l	0.05	No Relaxation	0.000	✓
24	Total coliform*	CFU/ 100 ml	Shall not be detectable in any 100 ml sample	No Relaxation	0.000	✓
25	Total Hardness (As CaCO3)*	mg/l	200	600	225.000	✓
26	Turbidity*	NTU	1	5	1.540	✓
27	Zinc (As Zn)*	mg/l	5	15	0.004	✓

Note:

Seen  
SM

- 1)\*indicates parameters that are NABL accredited.
- 2)This test results related to the sample tested above
- 3)The report shall not to be reproduced in full without approval of authority
- 4)This is the end of the report

**Authorised signatory**  
Anil Kumar (Test Lab Incharge)

\*\*\*\*\*This is an electronically generated report and does not require a signature.\*\*\*\*\*

### Jal Jeevan Mission aims at potable tap water supply to every home

Let's join hands to ensure drinking water is potable. It helps in preventing water borne diseases and improve public health.

Designed & Developed by NIC. Copyright ©copy NJJM 2024

**Print**



## REQUEST FOR INSPECTION AND APPROVAL



Project	Jal Jeevan Mission Water Project, Bahraich (UP)		
Client	State Water & Sanitation Mission, Uttar Pradesh		
Consultant /TPA	Ceinsys Tech LTD.		
EPC Contractor	Ga Infra - VPL (JV)		
RFI No	VPL/JJM/BAHRAICH/00		
RFI Start Date and Time	08.06.2023		
Location:	Dargal Gulaiya	Block:	Mihipurwa.
For Civil /Works :	E and M		
Drawing No.			
Description of Work:			
Tubewell drilling work start			
RFI Raised By	Assadullah		
Signature			
Date	08.06.2023		
Approved	Rejected	Not Ready	
Department	M/s GA INFRA -VPL(JV)	TPI (M/s Ceinsys Tech LTD)	Client (UP Jal Nigam)
Comments		work done satisfactory.	
Signature			
Date			



## REQUEST FOR INSPECTION AND APPROVAL



Project	Jal Jeevan Mission Water Project, Bahraich (UP)		
Client	State Water & Sanitation Mission , Uttar Pradesh		
Consultant /TPA	Ceinsys Tech LTD.		
EPC Contractor	Ga Infra - VPL (JV)		
RFI No	VPL/JJM/BAHRAICH/00		
RFI Start Date and Time			
Location:	Jangal Gulariya	Block:	Mihirpura
For Civil /Works :	E and M		
Drawing No.			
Description of Work:	Tubewell Electrolgging work		
RFI Raised By	Asadullah		
Signature	Asad		
Date	13.06.2023		
Approved	Rejected	Not Ready	
Department	M/s GA INFRA -VPL(JV)	TPI (M/s Ceinsys Tech LTD)	Client (UP Jal Nigam)
Comments	work done satisfactory.		
Signature			
Date			





## REQUEST FOR INSPECTION AND APPROVAL



Project	Jal Jeevan Mission Water Project, Bahraich (UP)		
Client	State Water & Sanitation Mission , Uttar Pradesh		
Consultant /TPA	Ceinsys Tech LTD.		
EPC Contractor	Ga Infra - VPL (JV)		
RFI No	VPL/JJM/BAHRAICH/00		
RFI Start Date and Time	14.06.2023		
Location:	Jangal Aulariya.	Block:	Mihipurda
For Civil /Works :	E and M		
Drawing No.			
Description of Work:	Tubewell Assymblg lowering work		
RFI Raised By	Anshu Pat.		
Signature			
Date	15.06.2023		
Approved	Rejected	Not Ready	
Department	M/s GA INFRA -VPL(JV)	TPI (M/s Ceinsys Tech LTD)	Client (UP Jal Nigam)
Comments	Site area is not berrected		
Signature			
Date			



## REQUEST FOR INSPECTION AND APPROVAL



Project	Jal Jeevan Mission Water Project, Bahraich (UP)		
Client	State Water & Sanitation Mission , Uttar Pradesh		
Consultant /TPA	Ceinsys Tech LTD.		
EPC Contractor	Ga Infra - VPL (JV)		
RFI No	VPL/JJM/BAHRAICH/00		
RFI Start Date and Time	31.10.2023		
Location:	Jangal Cutariya	Block:	Milkipur
For Civil /Works :	E and M		
Drawing No.			
Description of Work:	Air Compressor Testing Report		
RFI Raised By	Asadullah		
Signature			
Date	30.10.2023		
Approved	Rejected	Not Ready	
Department	M/s GA INFRA -VPL(JV)	TPI (M/s Ceinsys Tech LTD)	Client (UP Jal Nigam)
Comments		log book not available at site.	
Signature			
Date			



## REQUEST FOR INSPECTION AND APPROVAL



Project	Jal Jeevan Mission Water Project, Bahraich (UP)		
Client	State Water & Sanitation Mission , Uttar Pradesh		
Consultant /TPA	Ceinsys Tech LTD.		
EPC Contractor	Ga Infra - VPL (JV)		
RFI No	VPL/JJM/BAHRAICH/00		
RFI Start Date and Time	24.01.2024		
Location:	Jangal Chauriyg	Block:	Mithapur
For Civil /Works :	E and M		
Drawing No.			
Description of Work:	OP Unit Testing Report		
RFI Raised By	Asadullah		
Signature			
Date	23-01-2024		
Approved	Rejected	Not Ready	
Department	M/s GA INFRA -VPL(JV)	TPI (M/s Ceinsys Tech LTD)	Client (UP Jal Nigam)
Comments		log book not available at site.	
Signature			
Date			