

Name of Work	AMRUT - Improvements of Thiruvananthapuram Water Supply Scheme - Construction of 75 MLD Water Treatment Plant at Aruvikkara.
Description	This project aims at addressing the water scarcity of Thiruvananthapuram city. The treated water from this new WTP will be transmitted to the city through the existing transmission mains.
Administrative Sanction	G.O(RT)NO.534/2017/LSGD OF 2018-2019 Dated 23/02/2017
AS Amount (Rs)	700,000,000.00
Technical Sanction	KWA/CE(SR)/AVKRA-2064/16 Dated 19/12/2017
Agreement No.	6/2018-1 9 Dated 04/06/2018 of SE, PH Circle, Thiruvananthapuram
Name of Contractor	M/s. Chicago Constructions International Pvt Ltd.
Accepted PAC	56.29 Cr
Site Handing over date	26/Oct/2018
Duration of Project	18 Months
Scheduled date of Completion	25/Apr/2020
Expected Date of Completion	31/Dec/2020
Total Bill Submitted (Rs)	484,256,000.00
Total Bill Paid (Rs)	372,057,000.00

PROJECT COMPONENTS	
Raw water Pumps	Horizontal split casing Pump 450KW/600 HP
	Horizontal Submerged CF Pump 450KW/600 HP
	Horizontal Submerged CF Pump 485KW/ 650HP (Connected to Existing 72 mld WTP)
Raw Water Pumping Main	1000mm Dia MS Pipe, 350m long
Aearator	Inner Dia - 1.4m
	Outer Dia - 12.1m
Flash Mixer	Flash Mixers - 3 nos - 1 HP motors
Chemical house	Storage Area - 350 m ²
	Alum Tank - 7.3 sqm - 3 nos, 1HP motor - 3 nos
	Lime Tank - 4.4 sqm - 3 nos, 1HP motor - 3 nos
Flocculator	13.5x13.5x2.5m - 3 nos
	(1,35,000 Liters, 2HP motor - 12 nos)
Lamella Clarifier	13.5x13.5x2.5m - 3 nos
	(1,35,000 Liters, 5HP motor - 3 nos)
	Lamella Area 3x6x105= 1890nos
	(1890x2.2x1.22 =5072.76 m ²)
Filter House - 2 nos,	Sump - 35.75x20.7x2.0m - 2 nos
	Filter Bed - 6.6x5.2m - 24 nos
	Wash water Pumps 11KW/17HP
Blower & Chlorine Room	Blower Capacity 3Cum/Hr with 40 HP Motor
	Chlorine 8 toners
Clear Water Pump House	Size 28.40x12.40m
	Horizontal split casing Pump 350KW/470 HP - 4 nos

Clear Water Pumping Main	1000mm Dia MS Pipe - 600m long
Break Pressure Tank (BPT)	Inner Dia 3.25m , Outer Dia 3.85m, Total height 26.75m
Sub station (WTP)	Size 23.40x 7.31m
	Transformer 1250 KVA
	Transformer 400 KVA
Sub Station (Raw Water)	Size - 17.20x5.10m
	Transformer 1000 KVA
Recycling Tank	Size - 14.50x11.40m
Solar Pannel	150 nos, 50 KVA

Issues		
Date	Issues	Status
21.08.2020	Delay in the installation of SCADA and Automation work due to restriction in interstate movement of Trained /Skilled employees.	Pending

DAILY WORK PROGRESS		
Date	Works	Remarks
19.11.20	Recycling tank valve erection work, Raw water pump house - Scada panel erection work, RWPH - panel room front door welding work, BPT - Inlet line completed, BPT - Overflow line erected and supporting work, Scada termination work and electrical earthing and termination work, Compound wall painting work	
17.11.20	Scada main control panel electrical termination, Scada works at pipe gallery, New BPT, New BPT inlet Y connection, Solar works, Clear water pump house works almost done, Panel end termination works ongoing, Soft starter done, Chlorinator done,	
05.11.20	PTP tank inlet pipe connection to BPT, Over flow pipe erection at BPT, PTP line outlet pipe interconnection work	
22.10.20	Chamber BPT, Internal roads, Pump starter RW, Flow meter installation, Cable tray CW PH, Internal road, Electrification, Interconnection BPT, SCADA work	
15.10.20	Painting, Electromechanical works, Plastering, Finishing works, Electrical, Interconnection work.- BPT, Inspection...- CE(SR), SE- TVPM	
14.10.20	Painting works, Cleaning, Media filling finishing, Fabrication works, Electrification, Starter installation, Cable duct	
07.10.20	Road formation and landscaping, Plastering, Media filling, Painting, Ducting	
05.10.20	Transformer installation, Anchor block, Filter media filling, Fencing	
03.10.20	Filter media filling, Electromechanical works, Fabrication, Interconnection works. RW, Transformer installation, Cable ducts, Electrical works, SCADA works, Painting	
30.09.20 & 01.10.20	Transformer installation at RW PH, Screen at intake, Interconnection work – RW, Filter media filling, Electrification, Painting work at pipe gallery block 2, Landscaping, Fencing work, Electro mechanical work at RW and filter block 1, Hand rail work at RW, Pipe line work	

29.09.20	Plastering- recycling tank, Electro mechanical works, Landscaping, Compound wall and gate, Screen fabrication, Interconnection- RW	
28.09.20	MS pipe laying - RW PH, Interlock work, Tiling – bathroom, Compound wall & gate, Landscaping, Painting, Plastering- recycling tank	
26.09.20	Porch Interlocking work, Fabrication, Plastering, Compound wall & gate, Painting – clarifier, Electro mechanical work - CW pH, Tiling - bathroom	
25.09.20	Fabrication work at RWPH, Electro mechanical work at Filter block 2, Screening work, Recycling tank Plastering work, Septic tank and fencing work, Filter scour roofing, Entrance gate, and painting work	
24.09.20	Cable trench in CWPH, Electro mechanical work, Earth pit and connecting flat, Pipe line (for inter connection) near BPT, Land scaping work, Painting	
23.09.20	RCC - Anchor Block – BPT, Fabrication - Raw water Screen, Interconnection - Raw Water PM, Aluminum fabrication - RW-PH, Filer media stacking	
22.09.20	Filter media filling - Block 2, Painting - Block 2, Interconnection - Raw Water PM	Other outdoor work affected due to rain
21.09.20	Filter sand filling - Filter blk – 2, Electrical tray work - Filter blk – 2, Cleaning - Filter blk – 1, Painting - Lamella Clarifier, Plastering and block work - Toilet block, Compound wall, Earth work for anchor block – BPT, Inter connection work - Raw Water Pump, Fabrication - Gate, Screen - intake	
19.09.20	Filter sand filling - Filter blk 1, Electrical works - Filter blk 1, Painting - Pipe gallery inside, Fabrication work - Chemical house - Roof of actuators - Screen in front of gallery, Shuttering and bar bending of anchor block for - BPT outlet pipe, Interconnection work - Raw water pumping main, Plastering - Recycling tank inside, Rubble work - compound wall	
18.09.20	Electro - mechanical works, Inter-connection works, Painting, Filling Filter media	
17.09.20	Electrification work in progress	No other work due to Viswkarma Jayanthi
16.09.20	Electrical work, Painting, Filling Filter media	