

7.1.4 Water conservation facilities available in the Institution:



Rain water harvesting



Bore well recharge



Waste water recycling

RO Plant, MIT AOE Alandi, Pune



Thermax RO water plant

Maintenance of water bodies and distribution system in the campus

Category	MIT AOE
Total Water Consumption	220 KLD
Source of Water	200 KLD (Domestic) Bore well
	20 KLD (Alandi Nagar Parishad)
Hostel Water Requirement	50 KLD
Sewage Generated from the campus	90 KLD
No. of Sewage Treatment Plant	NIL
Mode of disposal of treated sewage	Connected to sewer line of Alandi Nagar Parishad

Water Consumption and Mode of Disposal

WATER FACILITY MIT Academy of Engineering, Alandi

PURIFIED WATER FACILITY

In the college location, the water is having high Total Dissolved Solids (TDS) and is not potable for consumption with capacity of 2000 litre / hour. It has to be treated before supply for drinking. Water treatment plant with reverse osmosis technology is available to provide quality drinking water. One unit of Reverse Osmosis water purifier system (RO-20-SS-3H) have been purchased and installed in college campus near boy's hostel locations for the use of faculty, staff and students. The water treatment plant provides safe drinking water at every tap on the campus. A high level of maintenance attention and regular testing ensure the quality of the water. Water treatment plant with reverse osmosis technology is available to provide quality drinking water.

Reverse Osmosis Plant Facility:

The Reverse Osmosis Plant installed in the college caters to the drinking water needs of all the Students, faculty, supporting Staff and the Visitors. The raw water with an average Total Dissolved Solids (TDS) of 750-1000 ppm is treated to reduce the TDS content to less than 100 ppm, the generally acceptable upper limit of the TDS.

Three stages in Reverse Osmosis Plant

- Stage 1: Pretreatment
- Stage 2: Membrane filtration
- Stage 3: Post treatment

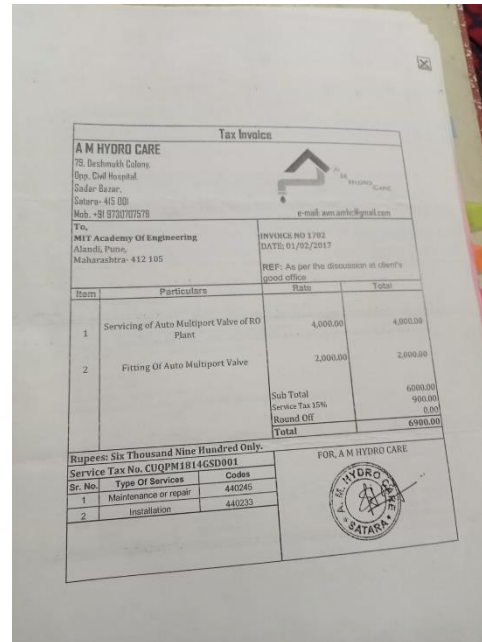
The maximum capacity of the plant is 2000 litres per hour. The utilized capacity is 1000 lit/hr potable water. This water is pure, tasty and hygienic rendering it highly suitable for human consumption.

The reject water from the plant is used for gardening and washing purposes.

This plant not only facilitates the supply of safe drinking water but also obviates the otherwise involved huge expenditure for procuring drinking water for the large number of people in the campus.

Now the institution can be liberal in the provision of our own made RO water.

Reverse Osmosis In-charge
MITAOE



RO Plant Report

RO Plant Invoice

DELTA

TAX INVOICE
TAX-INVOICE (DUPLICATE FOR TRANSPORTER)

M/S DELTA ENGINEERING CORPORATION
 10, P.O. Wing, Clover Centre, 7 Moledina Road, Camp, Pune - 411001.
 TEL: 020-26131639 FAX: 020-26137636
 E-MAIL: info@deltaingg.net

Invoice No: 22-23/06272
 Date: 26-May-2022
 Delivery Note: Major form of Payment AGAINST DELIVERY
 Other Payment: Other Payment

Buyer's Ref: 8372
 Buyer's Order No: 88
 Dispatch Document No: 26-May-2022
 Delivery Note Date: 26-May-2022

Dispatched through: BY HAND MR. KIRAN
 Terms of Delivery: Destination

MIT ACADEMY OF ENGINEERING
 AT POST: ALANDI DEVACHI, DISTRICT PHATA,
 TAL. - KHED, PUNE - 412 135.
 DISTRICT - ZANAM 206F126
 PIN Code - 411001
 State Name - Maharashtra, Code 27
 State (former state code): 27

MIT ACADEMY OF ENGINEERING
 AT POST: ALANDI DEVACHI, DISTRICT PHATA,
 TAL. - KHED, PUNE - 412 135.
 DISTRICT - ZANAM 206F126
 PIN Code - 411001
 State Name - Maharashtra, Code 27
 State (former state code): 27

Sl	Description of Goods and Services	HSN/SAC	QST Rate	Quantity	Rate	per Disc %	Amount
1	STARTER PANNEL (PE) FOR RO PLANT	85371000	18 %	1 NOS.	9,500.00	10%	9,500.00
2	INSTALLATION CHARGES FOR STARTER PANNEL	998719	18 %				3,500.00
							13,000.00
						9 %	
						9 %	1,170.00
Total							1 NOS. ₹ 15,340.00 E & O.E.

Amount Chargeable (in words) **Indian Rupees Fifteen Thousand Three Hundred Forty Only**

HSN/SAC	Value	Rate	Amount	Rate	Amount	State Tax	Total	
85371000	9,500.00	9%	855.00	9%	855.00		1,170.00	
998719	3,500.00	9%	315.00	9%	315.00		1,170.00	
Total							1,170.00	2,340.00

Tax Amount (in words) **Indian Rupees Two Thousand Three Hundred Forty Only**

Company's PAN: AAADF832P
 Declaration: Certified that the Particulars and amount indicated above are true and correct.

Company's Bank Details:
 THE COENOS CO-OP BANK LTD.
 Bank Name: C/O, A/C 91910911795013
 A/c No: CAMP, PUNE & COENOS CORPORATION
 Branch & IFS Code: for M/S DELTA ENGINEERING CORPORATION

Regd. Office: 440, 'D' Wing, Clover Centre, 7 Moledina Road, Camp, Pune - 411001.
 Phone: 020-26131639 / 26123791 FAX: 020-26137636 E-mail: info@deltaingg.net

RO Plant Invoice Consumble 2017

AKSHATA ENTERPRISES
 Pathway towards safe water

440/5/003 Tangede Plaza, Near PRRB Office
 Tangede Road, Pindol Rd., Bhamburda,
 Dist. Solapur, Dist. Pune, Maharashtra 412 135

Mail: www.akshataenterprises@gmail.com
 Phone: +91 97 14 74 74 74

Date: 21/05/2021

SERVICE REPORT

NAME OF THE CLIENT: MIT Academy of Engineering.
 SITE NAME: Reverse Osmosis (RO) Plant.
 ADDRESS: Alandi (Devachi), Pune.
 CLIENT REPRESENTATIVE: Mrs. Sunil Dewalwar Sir CONTACT: (+91) 9714747474

COMPLAINT RAISED BY: Mr. Sunil Sir

COMPLAINT:

- RO plant pressure increased.
- Permeate flow is very low.
- Filter top fitting is damaged resulting in heavy leakage.

NATURE OF SERVICE: SUPPLY/RECTION/INSTALLATION/COMMISSIONING/AFTER SALE AND SERVICE WITHIN WARRANTY/ AFTER SALE AND SERVICE BEYOND WARRANTY/ THIRD PARTY SERVICE/AMC

PRE-SERVICING OBSERVATIONS:

- RO permeate flow: 800 LPH, Pressure: 10 Kg/cm²
- Raw water TDS: 430 ppm, Permeate TDS: 210 ppm
- Membrane of permeate flow is seen damaged

ACTION TAKEN OR JOB DONE BY SERVICE ENGINEER AND REMARK:

- Filter top fitting leakage issue solved
- RO cleaning work done
- RO plant is set at normal operational pressure
- Post-cleaning permeate TDS: 22 ppm
- Post-cleaning pressure: 6.8 Kg/cm²
- Necessary piping modifications for RO cleaning work are done. These modifications are added based work for future ease of cleaning work.

AKSHATA ENTERPRISES
 BHAMBURDA
 PUNE
 21/05/2021

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