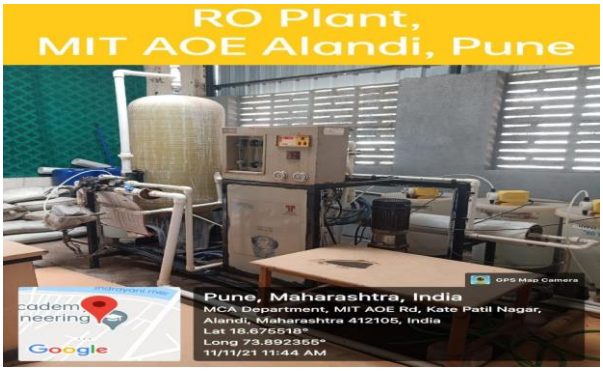
7.1.4 Water conservation facilities available in the Institution:

<table>
<tr><td> 
</td><td> 
</td></tr>
<tr><td colspan="2">Rain water harvesting</td></tr>
<tr><td> 
</td><td> 
</td></tr>
<tr><td>Bore well recharge</td><td></td></tr>
<tr><td> 
</td><td> 
</td></tr>
<tr><td></td><td>Waste water recycling</td></tr>
</table>



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-20-6S-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.

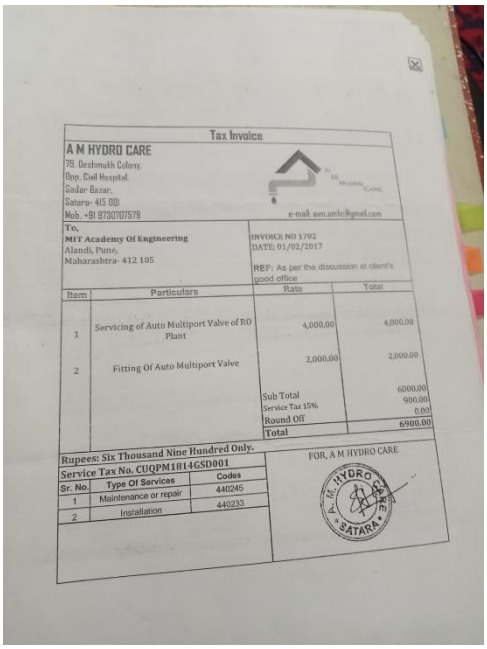
This plant not only facilitates the supply of safe drinking water but also obviates the otherwise involved huge expenditure for procuring drinking water for the large number of people in the campus.

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

Reverse Osmosis In-charge

MITAOE

RO Plant Report



Tax Invoice

A M HYDRO CARE
79, Deshmukh Colony,
Opp. Civil Hospital,
Sadar Bazar,
Satara- 415 001
Mob. +91 9730707578
e-mail: amhc@gmail.com

To,
MIT Academy Of Engineering
Alandi, Pune,
Maharashtra- 412 105

INVOICE NO 1702
DATE: 01/02/2017
REF: As per the discussion at client's good office

Item	Particulars	Rate	Total
1	Servicing of Auto Multiport Valve of RO Plant	4,000.00	4,000.00
2	Fitting Of Auto Multiport Valve	2,000.00	2,000.00
		Sub Total	6000.00
		Service Tax 15%	900.00
		Round Off	0.00
		Total	6900.00

Rupees: Six Thousand Nine Hundred Only.

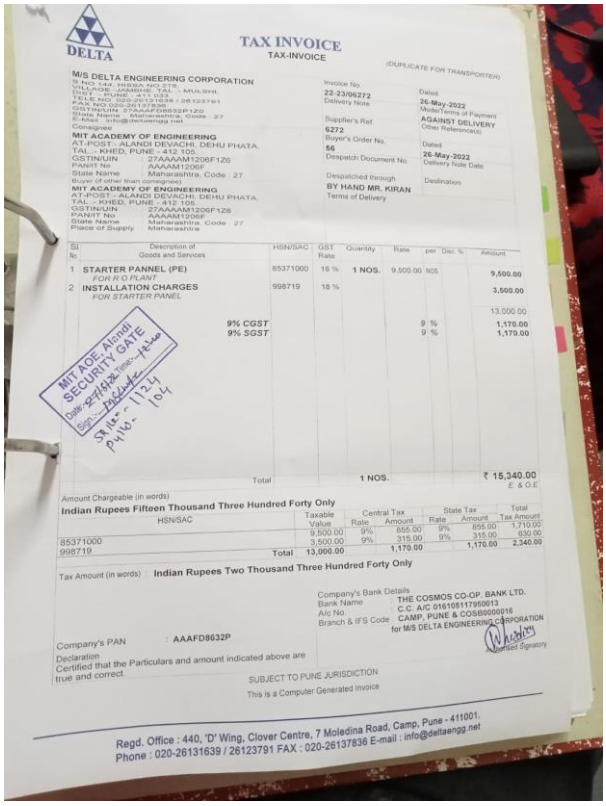
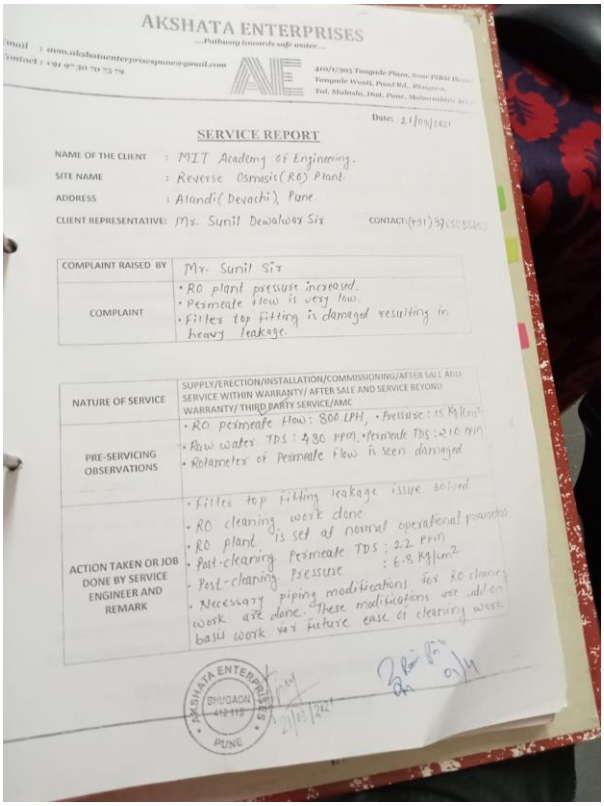
Service Tax No. CUQPM1814GSD001

Sr. No.	Type Of Services	Codes
1	Maintenance or repair	440245
2	Installation	440233

FOR, A M HYDRO CARE

A M HYDRO CARE SATARA

RO Plant Invoice

	
RO Plant Invoice Consumble 2017	RO Plant Invoice Consumble 2021