

GST INVOICE

1279211

(ORIGINAL FOR RECIPIENT)

**SAI SURAKSHA ASSOCIATES**  
 74 BALAJI NAGAR,  
 PADI KUPPAM ROAD,  
 ANNA NAGAR WEST EXTN,  
 CHENNAI-600 040  
 GSTIN/UIN : 33APFPP9728N1Z7  
 State Name : Tamil Nadu, Code : 33

Consignee  
**Chettinad Academy of Research & Education**  
 Rajiv Gandhi Salai, Kelambakkam,  
 Kanchipuram District, Chennai-603103  
 GSTIN/UIN : 33AAATC8714H1ZX  
 State Name : Tamil Nadu, Code : 33

Buyer (if other than consignee)  
**Chettinad Academy of Research & Education**  
 Rajiv Gandhi Salai, Kelambakkam,  
 Kanchipuram District, Chennai-603103  
 GSTIN/UIN : 33AAATC8714H1ZX  
 State Name : Tamil Nadu, Code : 33  
 Place of Supply : Tamil Nadu

Invoice No. <b>GST/0176/19-20</b>	Dated <b>10-Dec-2019</b>
Delivery Note	Mode/Terms of Payment
Supplier's Ref.	Other Reference(s)
Buyer's Order No. <b>PO000029577</b>	Dated <b>4-Oct-2019</b>
Despatch Document No.	Delivery Note Date
Despatched through <b>DIRECT</b>	Destination <b>CHENNAI</b>
Terms of Delivery	

SI No.	Description of Services	HSN/SAC	Quantity	Rate	per	Amount
1	<b>OPERATIONAL &amp; MAINTENANCE</b> AGST O & M OPERATION FOR STP and WTP For the Month Nov'19 1 Operator Salary for 30 Days Rs.18,269/- 8 Operator 199.5 Man Days-Rs.1,21,489 1 Supervisor Salary for 30 Days-Rs.26,736/- 1 Supervisor 27.5 Man Days-Rs.24,808/- 1 Helper Salary for 30 Days Rs.15,119/- 3 Helpers 93 Man Days-Rs.46,869/-	998717				1,92,866.00
						17,357.94
						17,357.94
						0.12
						<b>SGST</b>
						<b>CGST</b>
						<b>ROUNDING OFF (S)</b>
						<b>Total</b>
						<b>₹ 2,27,582.00</b>

C/N- 227582 -  
 6730 -  
 DS1- 220852 +  
 187162 -  
 1872 -  
 218980 -

**CERTIFIED FOR PAYMENT**  
 Rs. 2,20,852/-  
 Rupees Two Lakhs Twenty Thousand Eight Hundred And Fifty Two Only  
 Signature: [Signature]  
 Date: 11/12  
 Head: Infrastructure

Amount Chargeable (in words) **INR Two Lakh Twenty Seven Thousand Five Hundred Eighty Two Only** E. & O.E

HSN/SAC	Taxable Value	Central Tax Rate	Central Tax Amount	State Tax Rate	State Tax Amount	Total Tax Amount
998717	1,92,866.00	9%	17,357.94	9%	17,357.94	34,715.88
<b>Total</b>	<b>1,92,866.00</b>		<b>17,357.94</b>		<b>17,357.94</b>	<b>34,715.88</b>

Tax Amount (in words) : **INR Thirty Four Thousand Seven Hundred Fifteen and Eighty Eight paise Only**

Declaration  
 1. Invoice once raised will not be reversed Modifications If any have to be informed within 7 days for correction. Date of invoice will not be changed.  
 2. Payment delay beyond the contractual terms will attract interest @ 18%.

for SAI SURAKSHA ASSOCIATES  
**R. Krishnan**  
 Authorised Signatory

SUBJECT TO CHENNAI JURISDICTION  
 This is a computer generated invoice

Checked by,  
 T.D. Dillig  
 11/12/19.

OK  
 [Signature]



## USE OF WASTE WATER



**GARDEN WATERING** is the main use of Treated Sewage Water. Nearly 850 KLD to 1 MLD of Treated Sewage Water is used to water the Lawn Areas, Plants, Shrubs and Trees of our premises. Lawns are laid with running PVC Pipe Lines and are branched with Sprinklers attached to the points all over the campus. Sprinkling Water System not only

avoids water wastage, but also enables efficient percolation of water to the roots of the plants.



**COOLING TOWER MAKE-UP** is another area where the Treated Sewage Water finds its use. Our Campus' Centralized A.C. System has 4 Nos. of 400 TR Cooling Towers. Make up water to these Cooling Towers, which is to the tune of 80 - 100 KLD is generated through Softening System where the Input to the plant is the Treated Water of the STP.

## RECYCLING OF WASTE WATER / USE OF WASTE WATER / % RECYCLING OF WASTE WATER

Sewage from Toilets are Collected at 4 Collection Points in our premises and thereafter pumped from those points to the Common Sewage Treatment Plant. Besides these Collection Points, Sewage Water from the Toilets of Hostels reach the Treatment Plant through Gravity Flow also.

A total of 1.2 MLD of Sewage is being Treated per day with 1.1 MLD of Treated Water Generated. In this way all the Sewage (100%) Generated is being Treated in the 1.2 MLD Capacity Plant.

<b>I Sewage Generation</b>			
	1.	Raw Sewage	1200 KLD
	2.	Treated Water	1100 KLD
<b>II Treated Sewage Water Usage</b>			
	1.	Cooling Tower Makeup	80 - 100 KLD
	2.	Gardening	900 - 1000 KLD

The treated water of this plant is used entirely for the campus' Garden Watering. A part of this treated water is softened and is used as a make-up water for the Cooling Towers of our A.C. plant. The sludge generated out of treatment of Sewage is used as manure after drying. In this way our campus makes best use of Recycled Water. Though Dual Plumbing System Arrangement is available in toilets, the Recycled Water of the Sewage Treatment Plants is just sufficient for its use in Garden Watering and Cooling Tower Make-up Water. Our campus has a close track of water from its source to its destination. With the combination of dry climate, Increase in patients' inflow, high portion of out-of-state residents, consumptive lifestyle and outdated plumbing lines, the Front Range has a huge impact on its own environment through water use.

	Jun-19	Jul-19	Aug-19
Surface Aeration Type	12748	13964	14380
MBBR Type	15182	17414	15876
Total	27930	31378	30256
Daily Average	931	1012	1008
<b>All Values in KL</b>			

# TREATMENT OF BLACK WATER AND GREY WATER

Black Water from the Toilets and Grey Water from the Canteen and Labs are treated commonly in our Sewage Treatment Plants (capacity of 2 x 600 KLD) - One of SURFACE AERATION TYPE and the other of MBBR TYPE. Lines of Process for these 2 types of Plants. The treated water is stored in a common Collection Tank. A dedicated 5 member team look after the O & M of these plants. Required Chemicals like Urea and Nutrients are added to the aeration tank and chemical dosing done appropriately, the parameters of the Treated Water are within the standards laid by the Tamil Nadu Pollution Control Board.



Surface Aeration Type



MBBR Type



Filter Media



Drying Beds

