



Approved by  
AICTE - New Delhi



Affiliated to  
JNTU - Hyderabad



Accredited by  
National Assessment and  
Accreditation Council



Accredited by  
National Board of  
Accreditation

**AUTONOMOUS**  
under Section 2 (f) & 12 (b) of  
University Grants Commission Act

## *7.1.4 Water conservation facilities available in the Institution*

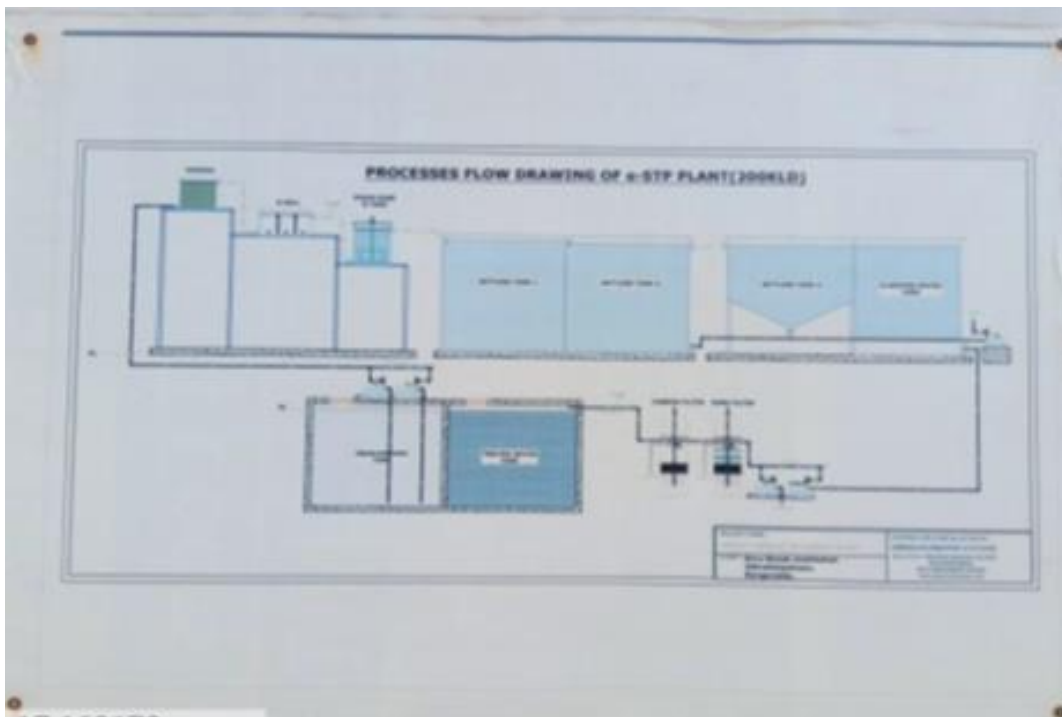
### *Waste water recycling*


## Sewage Treatment Plant

### Guru Nanak Institutions Technical Campus Two STP Plant, having total capacity of 500 KLD

The Sewage water (containing bathroom and kitchen waste) from entire college as well as the hostel buildings are received through the underground pipe lines. It is passed through grid chamber, bar screen chamber and degreasing chamber. In the grid chamber heavy density materials like sand are removed. In the bar screen chamber floating material like leaves are separated. When the Sewage is passed through degreasing tank the floating greasy (Oily substances) materials are scrubbed away from the degreasing tank.

Then the Sewage is transferred to collection tank. From the collection tank, Sewage is pumped to Bio reactor (Aeration tank). In the Bio reactor the Sewage is digested by aerobic bacteria using sewage as food materials. The above treated water is passed through the sludge settling tank. From here the sludge is separated and passed to Sludge drying beds. After drying the sludge, it is used as natural organic manure for our gardening. After removing the sludge, the water is collected in a separate collection tank.



  
Dr. Vikas Maheshwari  
Coordinator, IQAC

Attested by   
DIRECTOR  
Guru Nanak Institutions Technical Campus  
Ibrahimpattam, R.R. Dist.-501 506



Approved by  
AICTE - New Delhi



Affiliated to  
JNTU - Hyderabad



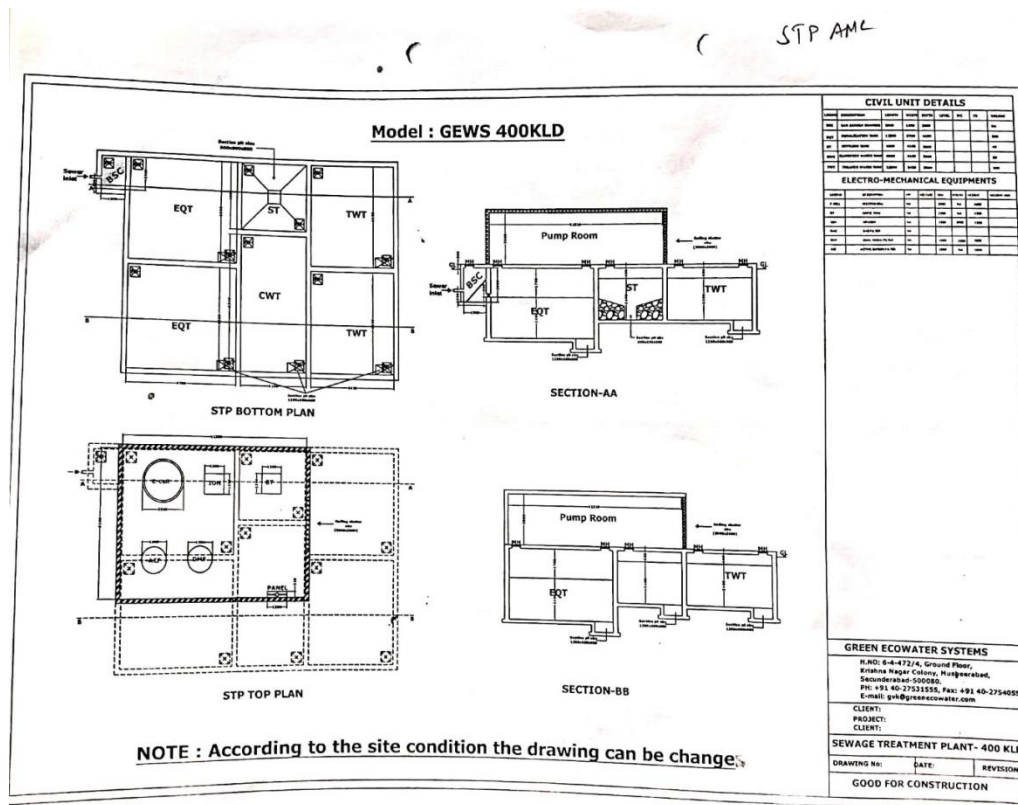
Accredited by  
National Assessment and  
Accreditation Council




Accredited by  
National Board of  
Accreditation

**AUTONOMOUS**  
under Section 2 (f) & 12 (b) of  
University Grants Commission Act

## Sewage water Treatment Plant



**Lay out of Sewage Treatment Plant**

  
**Dr. Vikas Maheshwari**  
 Coordinator, IQAC

Attested by   
**DIRECTOR**  
 Guru Nanak Institutions Technical Campus  
 Ibrahimpatnam, R.R. Dist.-501 506

## Sewage water Treatment Plant Waste Water Recycling System



**Sewage Water Treatment Plant**



**Ionizer Pass Electrical Current to Kill Microbes**

*Dr. Vikas Maheshwari*  
**Dr. Vikas Maheshwari**  
Coordinator, IQAC

*Attested by*  
**Attested by**  
DIRECTOR  
Guru Nanak Institutions Technical Campus  
Ibrahimpattam, R.R.Dist.-501 506

## Waste Water Recycling System



**E-Cell Removes to Kill Harmful Bacteria**



**Mixer Pump and Tank, Removal of Floating Settlable Materials**

*(Signature)*  
**Dr. Vikas Maheshwari**  
Coordinator, IQAC

Attested by *(Signature)*  
**DIRECTOR**  
Guru Nanak Institutions Technical Campus  
Ibrahimpattam, R.R. Dist.-501 506

## Waste Water Recycling System



### Settling Tanks to Settle the Heavier Particles



**Sand filter to Produce High Quality of Water without using Chemical Aids.**

*Vikas Maheshwari*  
**Dr. Vikas Maheshwari**  
Coordinator, IQAC

Attested by *Two*  
**DIRECTOR**  
Guru Nanak Institutions Technical Campus  
Ibrahimpattam, R.R.Dist.-501 506


## Waste Water Recycling System




Carbon Filter Removes Chlorine from Water Waste

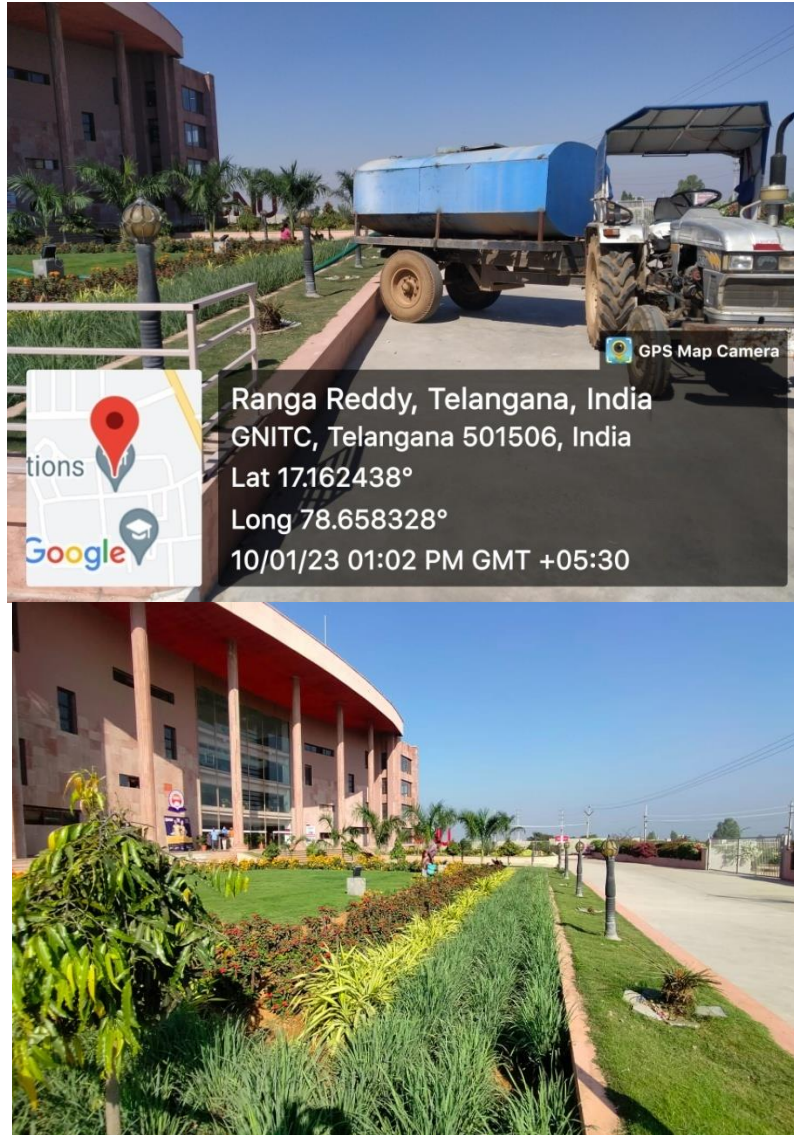


Collecting Recycling waste water from STP Plant


  
Dr. Vikas Maheshwari  
Coordinator, IQAC

Attested by   
DIRECTOR  
Guru Nanak Institutions Technical Campus  
Ibrahimpattam, R.R.Dist.-501 506

## Waste Water Recycling System



**Recycling of Waste water for STP Plant used for Watering Plants, Gardening and Vehicle Washing**

  
Dr. Vikas Maheshwari  
Coordinator, IQAC

Attested by   
DIRECTOR  
Guru Nanak Institutions Technical Campus  
Ibrahimpattam, R.R. Dist.-501 506



## PO for STP Plant

**GNI Guru Nanak Institutions Technical Campus**

Campus: Ibrahimpatnam, R.R. District-501 506 (A.P.) Ph: 0(95) 8414-20 21 20/21 Fax: 08414-23 33 44  
City Office: B2, 2<sup>nd</sup> Floor, Above Bata, Vikramপুরi Colony, Karkhana, Secunderabad - 500 009 Ph: 040-6632 3294, 6517 6117 Fax: 040 2789 2633

GURU/GM/ADMIN/PO - 10 Date: 27/03/18.

To  
Green Eco Water Systems  
(New Generation Sewage Treatment)  
H.No. 6-4-4724, G/Floor,  
Kridina Nagar Colony, Musheerabad  
Secunderabad - +91 040 2753 1555.

**PO FOR ESTP**

1) Refer your quotation & discussions thereafter. We are pleased to place an order for renovation & construction of ESTP at GNI, while utilizing the existing infrastructure with MBBR Technology. List of machines with required HP of the pumps and the make is attached as per quotation.


2) **Terms & Conditions are as under:**


- Completion of the Project by 15/04/2018 or latest by 30/04/2018.
- Warranty** for the equipment supplied by you is 1yr from date of installations including replacement in case of manufacturing defects.
- Cost:** Total cost negotiated after discussion is Rs. 12 lacs.
- The above cost is inclusive of Transport & installation.
- Payment** of 11 lacs has been made and balance of 1 lakh will be paid in due course based on satisfactory performance of the plant.
- Training of the operator** of GNI. It is the responsibility of the Green Eco training team to train GNI operator for maintenance & operations of the plant.
- Servicing of the Plant:** Green Eco will give all assistance for servicing of the plant for 24 months.
- Unexpected costs:** In case of need Green Eco will attend to all unexpected costs for maintenance and up keep of 200 KLD ESTP.

For Guru Nanak Institutions

*Sir*  
*We need to pay one lakh balance to Green Eco.*  
*Pls 5.03.18*

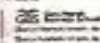
*ve*


  
Col. J. S. Kumar  
General Manager, Admin



**GURU NANAK INSTITUTIONS**  
www.gurunanakinstitutions.org

Engineering: B.Tech, MBE, MCA, Pharmacy, PGDM  
GNI Institute of Technology  
GNI Institute of Management  
GNI Institute of Design & Architecture  
GNI Institute of Health & Wellness  
GNI Institute of IT & Software  
GNI Institute of Languages & Research Centre

  
GNI Institute of  
GNI Institute of Engineering & Management Studies  
GNI Institute of Engineering & Management Studies  
GNI Institute of Engineering & Management Studies  
GNI Institute of Engineering & Management Studies  
GNI Institute of Engineering & Management Studies

  
**Dr. Vikas Maheshwari**  
Coordinator, IQAC

*Attested by*   
**DIRECTOR**  
Guru Nanak Institutions Technical Campus  
Ibrahimpatnam, R.R. Dist.-501 506



Approved by  
AICTE - New Delhi



Affiliated to  
JNTU - Hyderabad



Accredited by  
National Assessment and  
Accreditation Council






Accredited by  
National Board of  
Accreditation

**AUTONOMOUS**  
under Section 2 (f) & 12 (b) of  
University Grants Commission Act

## Invoice Bill Of STP Plant


https://mail.google.com/mail/u/0/?ui=2&ik=c2f7b5e9a1&view=pt

TAX INVOICE		Original - Buyer's Copy			
<b>Cryogenic Process Controls</b> No.9, 2nd Floor., Vivek Nagar Cholapuram Main Road Ambattur OT, Chennai Pin : 600053 E-Mail :accounts@cpcinfo.in		Invoice No.	Dated		
		131	3-Mar-2016		
Buyer <b>Guru Nanak Institutions Technical Campus</b> Ibrahimpatnam, R.R. District, Hyderabad : 501506 Telangana,		Delivery Note	Mode/Terms of Payment		
		Supplier's Ref.	As per Purchase Order Schedules Other Reference(s)		
		Buyer's Order No.	Dated		
		STP/MBBR/CPC/GNI/1	1-Dec-2015		
		Despatch Document No.	Dated		
		Despatched through	Destination		
		Low Feet Trailor	Ibrahimpatnam		
		Terms of Delivery			
SI No.	Description of Goods	Quantity	Rate	per	Amount
1	MBBR 1/2	1 Nos	4,80,349.30	Nos	4,80,349.30
2	TST & CWT	1 Nos	3,23,144.10	Nos	3,23,144.10
CST @ 14.5% ROUNDED OFF			14.50 %		8,03,493.40
					1,16,506.54
					0.06
Total		2 Nos			₹ 9,20,000.00
Amount Chargeable (in words)		E & O E			
Indian Rupees Nine Lakh Twenty Thousand Only					
Company's VAT TIN : 33971350089 Company's CST No. : 1050242 18.10.2010 Company's Service Tax No. : ARZPD6160C Company's PAN : ARZPD6160C		for Cryogenic Process Controls  Authorized Signatory			
Declaration We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.		This is a Computer Generated Invoice			
					

  
**Dr. Vikas Maheshwari**  
 Coordinator, IQAC

Attested by   
**DIRECTOR**  
 Guru Nanak Institutions Technical Campus  
 Ibrahimpatnam, R.R. Dist.-501 506

## Mou with M/s Crtogenic Process Control With STP Plant



**GURU NANAK INSTITUTIONS  
TECHNICAL CAMPUS**

MEMORANDUM OF UNDERSTANDING

Between

**M/s GURU NANAK INSTITUTION (HYD)**

**Mr.G.S.Kohli (Vice Chairman)**  
**Mr.Rajesh Kumar (Admin head)**  
**Mr.Biksha Pati (Senior Engineer)**

And

**M/s CRYOGENIC PROCESS CONTROLS (CHENNAI)**

**Mr.Dharmendar (Operation Head)**  
**Mr.Ashok Bhattacharjee (Project Manager)**  
**Mr.Murali (Sales Manager Hyderabad)**

This Memorandum of Understanding (MOU) sets the terms and understanding between the M/s GURU NANAK INSTITUTION and the M/s CRYOGENIC PROCESS CONTROLS regarding the understanding of Sewage Treatment plant construction and its operation and maintenance.


**PURPOSE OF STP FOR GNIT**

Saving of Tanker lorry in procuring water to M/s GURU NANAK INSTITUTION.

This MOU will solve the purpose through STP plant with UF for Reuse of water (Bathing, washing Flushing etc...)

The above goals will be accomplished by undertaking the following activities:  
M/s CRYOGENIC PROCESS CONTROLS Chennai will undertake the following activities in water and waste water treatment plant, reuse with operation and maintenance.

**GNI GURU NANAK INSTITUTIONS**  
City Office: B2, 2nd Flr. Above Bata, Vikramপুরi Colony, Karkhana Road, Secunderabad - 500 009, Telangana, India.  
Ph: +91-40-6632 3294, 6517 6117, Fax: +91-40-2789 2633  
Campus: Ibrahimpatnam, R. R. District, Hyderabad - 501 506, Telangana, India. Ph: (0/95) 8414-20 21 20/21.

  
**Dr. Vikas Maheshwari**  
Coordinator, IQAC

Assesed by   
**DIRECTOR**  
Guru Nanak Institutions Technical Campus  
Ibrahimpatnam, R.R.Dist.-501 506



Approved by  
AICTE - New Delhi



Affiliated to  
JNTU - Hyderabad



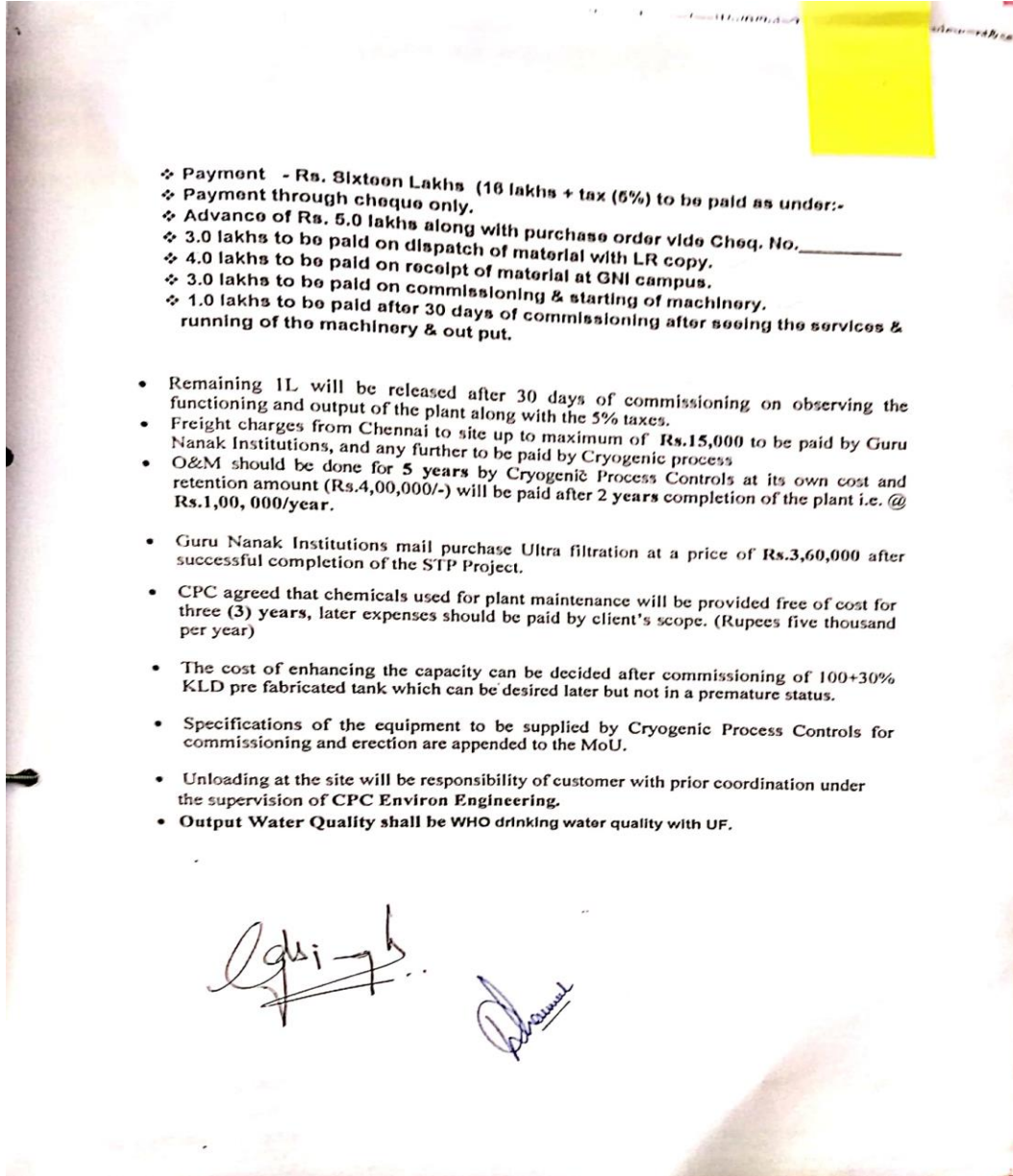
Accredited by  
National Assessment and  
Accreditation Council



Accredited by  
National Board of  
Accreditation

**AUTONOMOUS**  
under Section 2 (f) & 12 (b) of  
University Grants Commission Act

## Mou with M/s Crtogenic Process Control With STP Plant



*[Handwritten signature]*  
**Dr. Vikas Maheshwari**  
Coordinator, IQAC

Attested by *[Handwritten signature]*  
DIRECTOR  
Guru Nanak Institutions Technical Campus  
Ibrahimpattam, R.R. Dist.-501 506