



Gross capacity of the unit is 26 lakh liters of waste water per day

It is working at 70% of the installed capacity, treating 15 lakh liters per day

There are about 8000 households in Pragathi nagar generating 190 liters per hh per day

On the basis of 4 members per family it works out at slightly less than 50 liters of waste water per day

The unit was supplied and installed by Messrs Maliem from Pune. The civil work was organized by the Panchayat

The cost of the unit including the civil work is about 2.5 crores in 2007

The waste water from the sewer network enters firstly the Grit chamber with plastic bag screening chamber to remove plastic bags

The sewerage then enters the Raw Sewerage Collection Tank(RSCT) from where

It is pumped to the Anaerobic digester where the sewerage is subjected to Anaerobic bacterial fermentation

Right now the Carbon dioxide and methane are let off (while there is a possibility of using methane as a combustible gas)

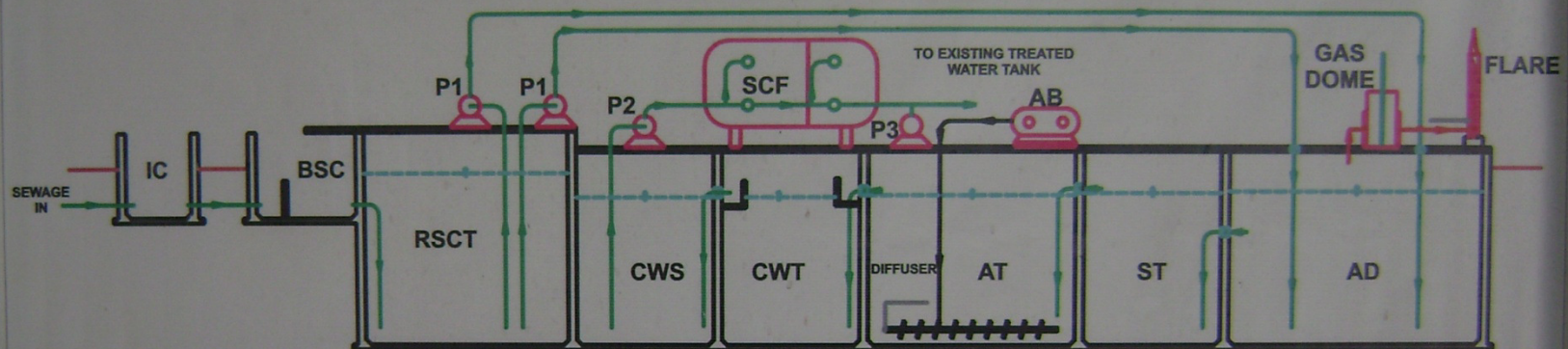
Subsequently the sewerage is passed through carbon and sand filters and the treated sewerage is finally stored into huge underground sumps before being re circulated.

Right now the panchayat is not charging the households for this service which has been installed in 2007.

The capital investment works out at Rs 25,000 per family

2.5 MLD SEWERAGE TREATMENT PLANT

GRAMA PANCHAYAT PRAGATINAGAR
RANGA REDDY, DIST. ANDHRA PRADESH



LIST OF EQUIPMENT

MARK	DESCRIPTION	QTY.	MARK	TANK
P1	FEED PUMP	04	IC	INLET CHAMBER
P2	FILTER PUMP	02	BSC	BAR SCREEN CHAMBER
P3	DOSING PUMP	01	RSCT	RAW SEWAGE COLLECTION TANK
AB	AIR BLOWER	02	CWS	CLARIFIER WATER SUMP
SCF	SAND & CARBON FILTER	01	CWT	CLARIFIER WATER TANK
GD	GAS DOME	01	AT	AERATION TANK
F	BIOGAS FLARE	01	ST	SETTLING TANK
			AD	ANAEROBIC DIGESTER

Designed, Installed & Commissioned by

MAILHEM ENGINEERS PVT. LTD.

AN ISO 9001 : 2000 CERTIFIED CO.

PUNE - MAHARASHTRA

Tel.: 020 - 25880301 Fax : 020 - 25880302

E-mail : info@mailhem.com WEB : www.mailhem.com







Liquid Waste Treatment Plant

