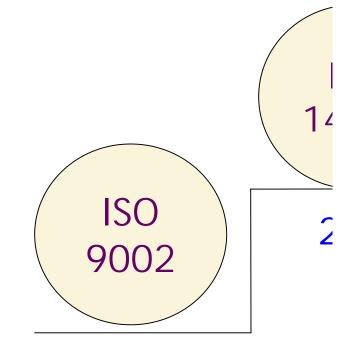


9/3 at Ranipet, Tamil Nadu.

'er - Rs. 600 Crores

oyees - 450

ers all over the world.

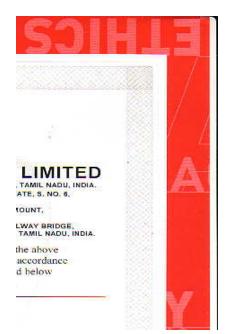


1994

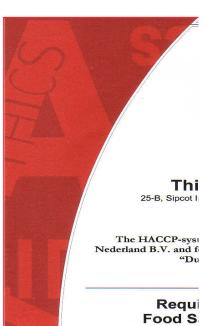
2000

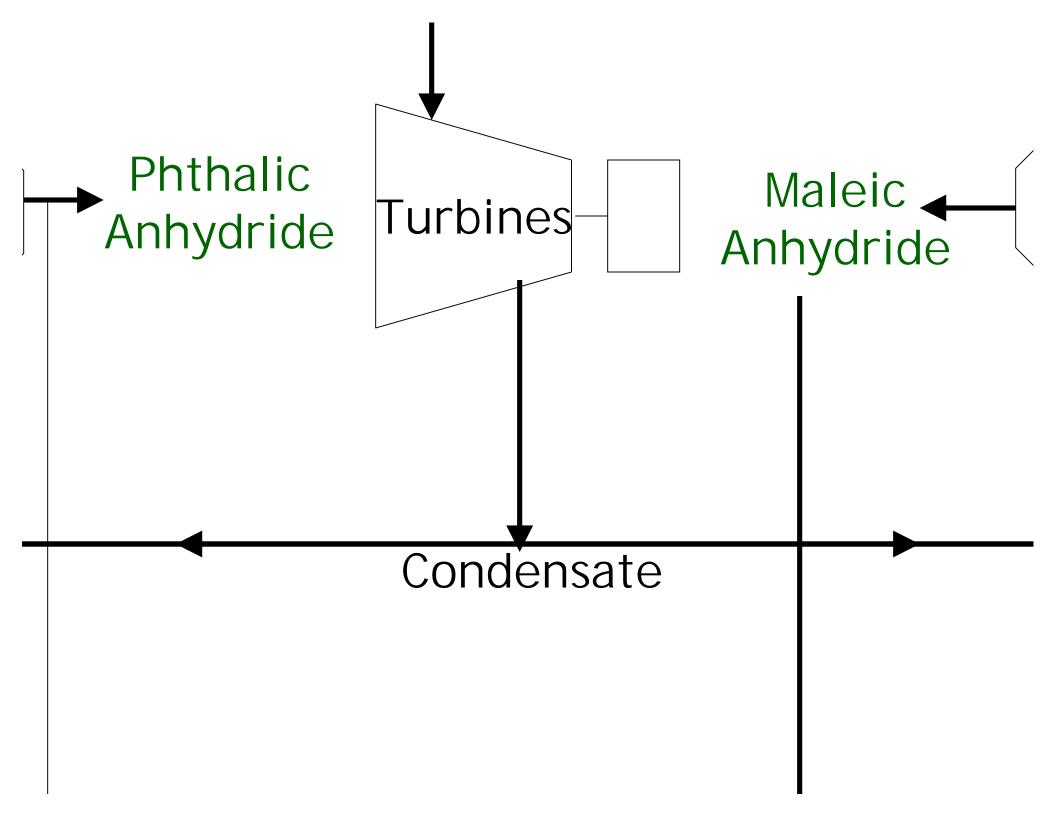
ISO 14001: 2004





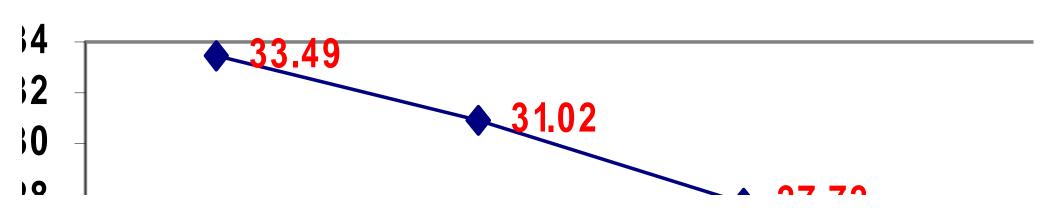






Industrial	MWH
704580	21035
672070	21668
643940	23230
677360	27599

Specific Water Consumption



heir product range.

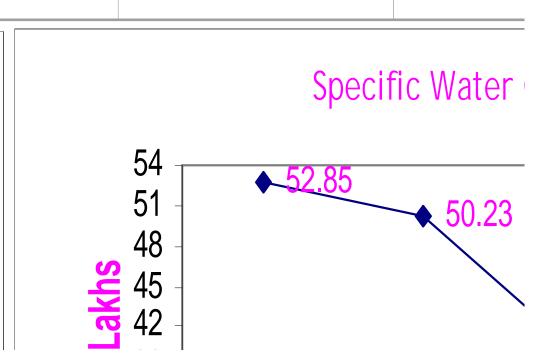
ily a petrochemical company. The manufac s proportionately generates steam, and hence

vater consumption per unit of Power is a m performance.

k	National	International	CPCB
	Benchmark *	Benchmark *	Benchmarl
er	80	<10	Not knowi

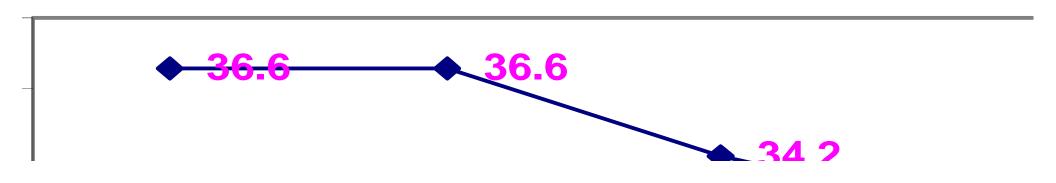






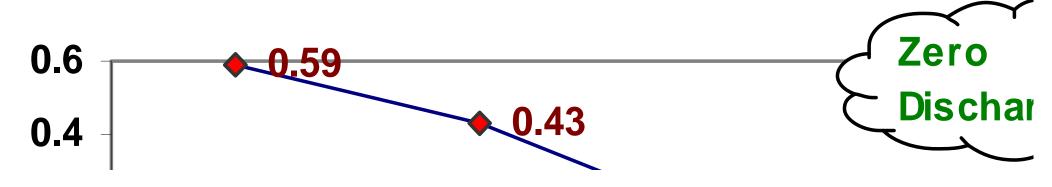
	(m ³)	per day	(Liter/pers
03-04	4680	350	36.
04-05	4680	350	36.
05-06	4680	375	34
06-07	5340	450	32.

Percaptita Water Consumption



m^3	m^3	%	m^3	%
9 564	53680	59.9	35884	40.1
)965	64582	71.0	26383	29.0
5444	53266	80.2	13178	19.8
1756	64756	100	0	_





bo blo bo o bto d	rear	9		
mplemented		m^3	Rs. Lakhs	Rs.
condensate at t + PA plant	2003	4460	0.27	
Condensate it.	2004	3000	0.18	
cidic water in	2005	2160	0.13	
smosis Plant - arge Unit	2006	71357	4.3	
olers - Closed ater System	2006	29200	1.75	

- tment to the Society & Environment
- on of Water Level in Riverbed.
- cation of Large in house Uses of Water.
- for Alternative ways of Cooling.
- ater loss in the conventional cooling system
- s of team work in environmental projects.

Effective Utilization of Treated Effluent into the

Reduction in Raw Water Use.

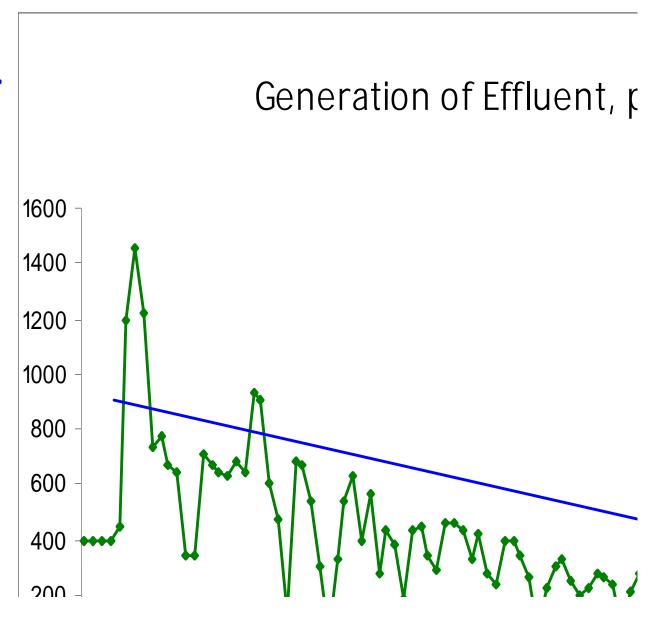
Reverse Osmosis.

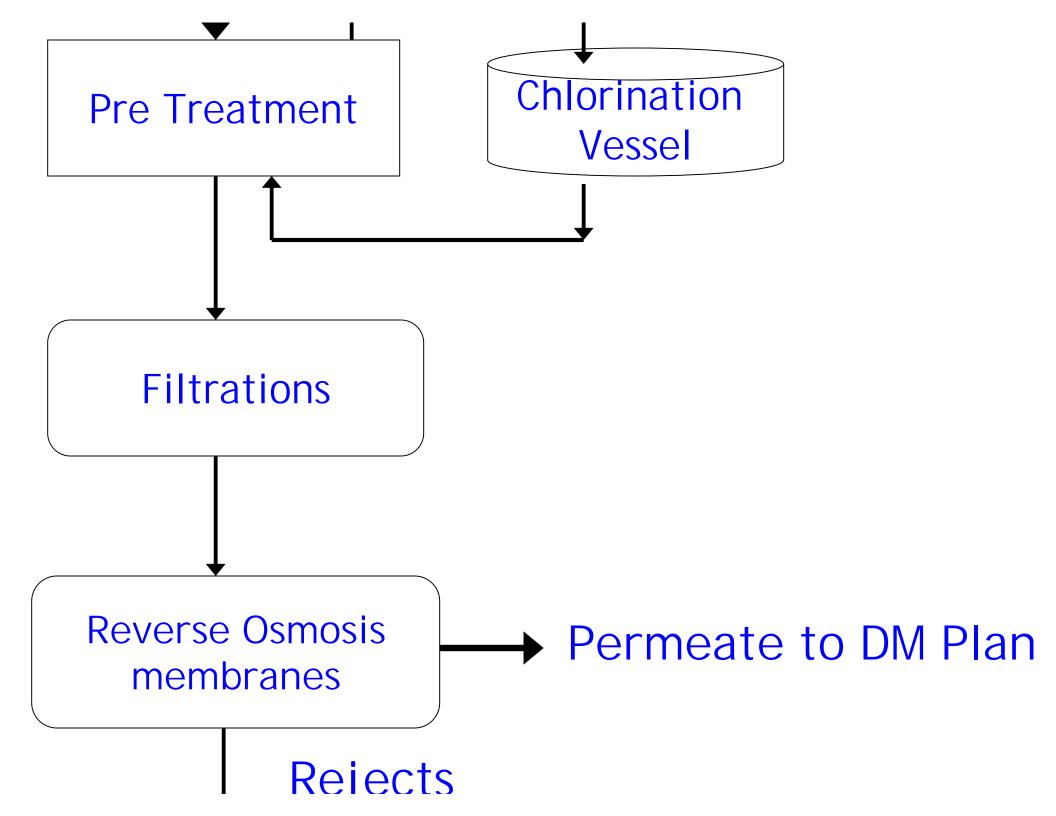
Treated Effluent

200 kl /day

nosis Unit ect Evaporator.

for irrination





Thiru. Dharmendra Pratap Yadav. I. A. S., On 24th August 2006



) KL / Day.

stillation Condenser was cooled by circulating the sensible heat was removed by evaporative cooled by sensible heat was removed by evaporative cooled by circulating the sensible heat was removed by evaporative cooled by circulating the sensible heat was removed by evaporative cooled by circulating the sensible heat was removed by evaporative cooled by circulating the sensible heat was removed by evaporative cooled by evaporative cooled

The evaporative cooling is switched over to watchanger (Fin Fan Cooler). Water is saved.

RESULT: Reduction in consumption of Raw water I/day

210

IUIIUVUU

THITIUH IX GUI

nent By

ive cooling

: 70 KI / day

: Fin fan coolers

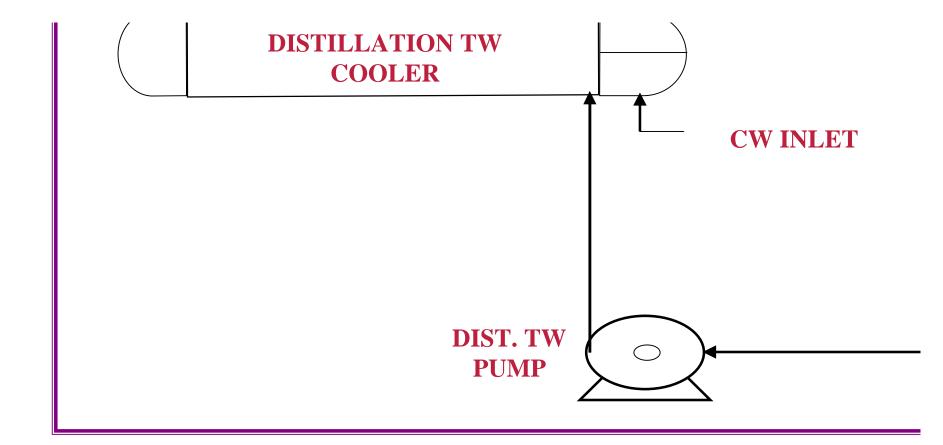
ıdles

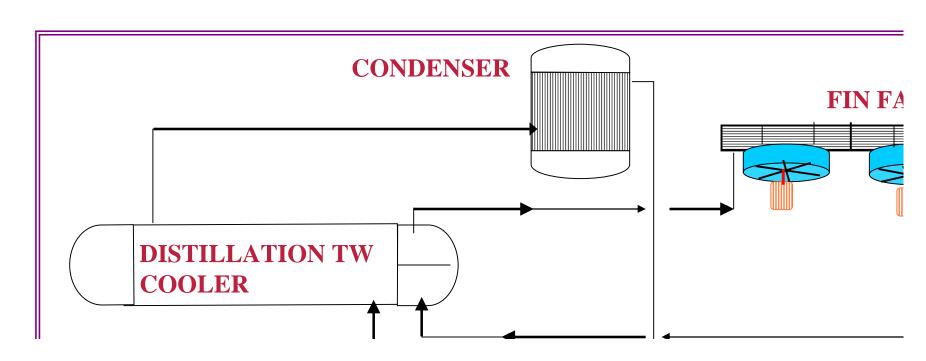
nange Area

: 6596 m²

ne Fin Fan Cooler system : Rs.50 lakhs

Air 51° C





Effluent Reuse.

50 kl /day

Effluent is sent for biodegradation.

IT: Effluent is separated into condensate a mixed acid as a product.

I/day RESULT: Reduction in Effluent Generation
90

E TREATED: 50 KL /day

3

? Tons/day)

RY:

or leather Industry

SATE:

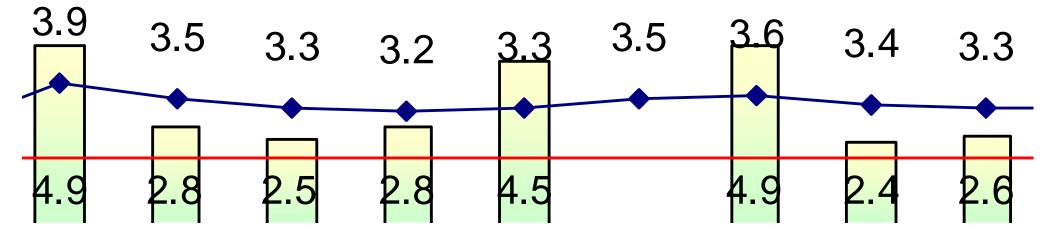
placement of DM Water



v of Targets;
plan by plant personnel;
s.

1aleic anhydride Plant

Specific consumption of DM water



n of school children in projects rvation of natural resources - water. plantation.

I Colony:

water harvesting scheme in operation.

ation by all in World Environment Day. uservation of natural resources. lection & implementation of suggestions

- ation of "Zero Discharge" status.
- on in consumption of water through instal onal Fin Fan coolers.
- ion of by products from Effluents.
- of Treated Effluent to process.
- ment of Bio Tech route for the manufactucts.