

**MANAGEMENT OF THE WASTE IN
MIDC AREAS, MAHARASHTRA**

ON 26TH – 27TH NOVEMBER, 2015

**AT CONFERENCE ON
“WASTE - UNINTERRUPTED RESOURCE
AND ENCOURAGING OPPORTUNITIES”;**

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CETP FACILITY AT MIDC

- MIDC takes active part in abatement of environment pollution through –
 - Establishment of CETP's /STP's
 - Establishment of Hazardous Waste Site.
 - Green belt development.
- MIDC has decided 13 chemical zones which are at TTC, Tarapur, Dombivli, Ambernath, Badlapur, Kalyan-Bhiwandi, Taloja, Roha, Patalganga, Mahad, Lote-Parshuram, Kurkumbh, Butibori in which chemical industries are allowed.
- MIDC has planned to set up liquid waste management in these 13 industrial areas in phases.
- MIDC role is as facilitator to :
 - Provide effluent collection & disposal system.
 - Land will be given to Association for CETP construction at nominal rate for Rs.1 per sqm & Contribution 20% of project cost in the form of subsidy.
 - Recover treatment charges from beneficiaries through water bills & reimburse to CETP Association after deducting 2% service charges.
 - Establish CHWTSDF for all industrial units in Maharashtra State at various locations, with financial Assistance.
 - Green belt development.

A) CETP COMMISSIONED

Sr. No.	Place	Capacity in MLD	Collection System in KM	Disposal System in KM
1	Tarapur Phase I – 20 MLD Phase II – 5 MLD	25.00	54.00	10.46
2	Trans Thane Creek (TTC)	27.00	105.59	7.15
3	Dombivali DBESA DCETP	16.00 1.50	31.00	1.50
4	Addl. Ambernath	7.50	9.74	1.72
5	Ambernath Chikhloli-Morivali	0.25	-	-
6	Badlapur	8.00	12.36	6.00
7	Lote Parshuram	4.50	16.53	7.48
8	Patalganga	15.00	4.23	8.60
9	Roha	15.00	8.93	14.92

A) CETP COMMISSIONED

Sr. No.	Place	Capacity in MLD	Collection System in KM	Disposal System in KM
10	Taloja Phase I – 12.50 MLD Phase II – 10 MLD	22.50	48.32	7.72
11	Mahad	5.00	18.25	24.20
12	Nagpur (Butibori)	5.00	19.71	1.19
13	Talegaon	4.00	6.00	2.30
14	Ranjangaon	11.50	34.05	3.63
15	Kurkumbh	1.00	10.00	5.50
16	Kagal- Kolhapur	10.00	31.60	3.30
17	Chincholi-Solapur	1.50	-	-
18	Waluj	10.00	63.10	3.30
	Total	190.25	473.41	108.97

B) CETPS UNDER EXPANSION/UPGRADATION

Sr. No.	Place	Capacity (MLD)
1	Tarapur Ph - III (50 MLD)	50.00
2	Lote-parshuram up gradation	5.50
3	Ranjangaon upgradation	1.5
4	Sangli	1.5
5	Roha expansion	7.50
6	Mahad expansion & upgradation	5.00
7	T.T.C. Phase-II	5.00
8	Badlapur Phase-II	5.00
	Total	81.00



C) CETPS PLANNED

Sr. No.	Place	Capacity (MLD)
1	Amravati Phase-I	5
2	Nandurbar	5
3	Addl. Chincholi Textile	3
4	Hingna	1
5	Butibori expansion	5
6	Nashik	1
7	Shendra	5
	Total	25



BENEFIT OF THE CETP

- Economy of scale
- Lack of space issue
- Homogenization of water
- Better hydraulic stability
- Affordable professional control
- Opportunity for recycling/reuse



COMMON HAZARDOUS
WASTE TREATMENT,
STORAGE & DISPOSAL
FACILITY (CHWTSDF)



MIDC has been declared as a nodal agency by Environment Department, Govt. of Maharashtra vide Resolution No. Env./1096/CR-9/TC-2 dt.12/03/1997 for identification of potential sites for hazardous waste carry out EIA for the site selecting operation of the facility etc., as per the provision of Rule 8(1), (2) & (3) of Hazardous Waste (Management & Handling) Rules,1989.



In compliance to G.R. dtd.12.03.1997 resolution MIDC appointed Expert Committee comprising of representative of MoEF (Govt. of India), MPCB, Environment Department (Govt. of Maharashtra), IIT Mumbai.



In cognigence to G.R. of Environment Department, Govt. of Maharashtra dated 12/03/1997. MIDC selected the sites for CHWTSDF under guidance of Expert Committee in following Indl. areas :-

- 1) Taloja**
- 2) Thana Belapur (T.T.C.)**
- 3) Ranjangaon (Pune)**
- 4) Butibori (Nagpur)**
- 5) Mahad (Satellite Transfer Station)**
- 6) Shendra (Aurangabad)
(Satellite Transfer Station)**



MIDC is facilitator for CHWTSDF sites and gives following facilities for development of CHWTSDF.

- 1) Allotment of land at nominal rate of Rs.1/- per Sq. m.**
- 2) Financial Assistance @ 25% of Project Cost as a subsidy.**



At present CHWTSDF at Taloja & Thane-Belapur Road (TTC) Ranjangaon, Butibori are completed & commissioned. The salient features of completed CHWTSDF Projects are as under :-

Commissioned CHWTSDF

(Rs. in crores)

Sr. No.	Name of facility	Area allotted in Hect.	Year of commissioning	Landfill Capacity	Incineration capacity	Captive Power Generation	Project Cost	Subsidy by MIDC at 25%
1	Taloja	40.00	Nov. 2002	1,20,000 MT /Yr.	3T/ Hr	-----	42.30	10.00
2	TTC	7.00	Jan. 2004	10,000 MT / Yr	-----	-----	7.80	1.57
3	Ranjangaon (Pune)	30.00	Jan. 2007	60,000 MT / Yr	3T / Hr	6 MW	75.41	18.85
4	Butibori (Nagpur)	30.00	March 2007	60,000 MT / Yr	3T / Hr.	6 MW	74.97	18.74
Total							200.48	49.17

MIDC has allotted land for Satellite Transfer Station at Mahad & Shendra (Aurangabad) for which details of land allotted is as under :-

Sr. No.	Location	Land Allotted in Hect
1	Mahad	4.00
2	Shendra (Aurangabad)	Proposed to allotte in DMIC Area



PROJECT LIFE :-

- ❖ Operational : 20 Years
- ❖ Post Monitoring : 30 years



TARRIFF CHARGES FOR HAZARDOUS WASTE TREATMENT SITES.

Sr. No.	Item	Unit	Taloja	T.T.C.	Ranjangao n (Pune)	Butibori (Nagpur)
1)	Transportation Charges	MT/K M	Rs.4.95	Rs.2.90	Rs.3.50	Rs.4/-
2)	Treatment charges & disposal costs					
i)	Direct landfill	MT	Rs.1152 /-	Rs.900/-	Rs.1100/-	Rs.1200/-
ii)	Landfill after treatment (Depending upon Waste analysis report)	MT	Rs.1800 /- (AV)	Rs.2400/- (AV)	Rs.2900/- (AV)	Rs.4000/- (AV)
iii)	Incineration Charges	MT	Rs.9200 /- (AV)	-	Rs.4000/- (AV)	Rs.14000/- (AV)



THANKS