# Compliance report of CEPI Action Plan Tarapur As on 22/01/2015



### MAHARASHTRA POLLUTION CONTROL BOARD www.mpcb.gov.in

### Comprehensive Environmental Pollution Index ( CEPI)

• For Water Environment:



- Water CEPI = 56
- A= A1 x A2 , A1 : Presence of Toxin, A2: Scale of Industrial Activities
- B= B1+B2+B3 B1 Pollution Concentratuion, B2 impact on People, B3 impact on Ecological Features.
- C= C1 x C2 +C3, Where C1 = Potential Affected Population C2= Level of Exposure, C3=Risk to Sensitive Receptor.
- · D= Additional High Risk Element.
- Target to reduce A1,B1,C2 & D to reduce over all CEPI index.

### Comprehensive Environmental Pollution Index ( CEPI)

• For Air Environment:



- Air CEPI ≈ 60.75
- A= A1 x A2 , A1 : Presence of Toxin, A2: Scale of Industrial Activities
- B= B1+B2+B3 B1 Pollution Concentratuion, B2 Impact on People, B3 Impact on Ecological Features.
- C= C1 x C2 +C3, Where C1 = Potential Affected Population C2= Level of Exposure, C3=Risk to Sensitive Receptor.
- D= Additional High Risk Element.

### Comprehensive Environmental Pollution Index ( CEPI)

• For Land Environment:

et en swenere	A1	A2	Α	B1	82	83	8	C1.	C2	C3	C.	D
	3.0		600 A	7.75%	3.04	1	<b>1</b> 4975		154	0.00	(7),55°	155
After ST	2.5	5.0	12.5		3.0	3.0	13.00	5.0	1.5	0.0		15.0

- Land CEPI = 51.25
- A= A1 x A2 , A1 : Presence of Toxin, A2: Scale of Industrial Activities
- B= B1+B2+B3 B1: Pollution Concentration, B2 Impact on People, B3 Impact on Eco-geological Features.
- C= C1 x C2 +C3, Where C1 = Potential Affected Population C2= Level of Exposure, C3=Risk to Sensitive Receptor.
- 0= Additional High Risk Element.

Sr. No.	Action point	Campliance
1.	Expansion of TEPS-CETP from existing 25 MLD to 37 MLD (Expansion - 12MLD)	appasition.  Proposed 50 MLD CETP to which
2.		The leakages in pipe line are arrested. Any incidental chake up in callection systems. Manhales and chambers are attended immediately though AMC. Though the leakages are arrested the effluent carrying line from Hotel Contesa to TEPS CETP the chambers are averflow near Hatel Contesa and near M/s Omega Calour's D-21/2/3 MIOC Tarapur. Sump Na ii is till same times.
		everflowing .  Pipe line work has completed

	a	upto 1 year, including continuous
4.	improve the efficiency of solvent recovery by solvent using industries	*Letters were sent to industries using salvents vide ref no. MPCB/ROT/TB-3325 dated 26/11/10 to improve the efficiency of solvent recovery and to conduct salvent audit before 30/12/10.  *Most at the industries have conducted solvent audit & submitted report to Regional Office, Thane.  *SRO Tarapur has conducted a work shop an Solvent management and Recovery on dated 28/04/11.
	Survey of stack monitoring	Coal tired boller Stack monitoring work is completed.

#### Short Term Action Points (upto 1 year, including continuous activities

6.	iliegal dumping of hazardaus waste	Board has informed CHWTSDF to increase the frequency of collecting of HW and its transportation.  Hiegal disposal of HW has been forwarded for action to RO Thane.
7.	Massive Tree Plantation (One lacs Trees)	-MIDC is carrying out massive free plantation program an empty/ reserved plots, and on boundary of MIDC.  -4500 nos of trees has been distributed by MIDC to TIMA,  -MIDC has directed TEPS-CETP to plant 10000 nos of trees during 2011 monsaan period.

#### Long Term Action Points (more than 1 year):

\$. No.	Action point	Compliance
1.	Expansion of TEPS CETP fram existing 25 MLD to 50 MLD	•MIDC has allotted plot admeasuring 85000 m2 fram plot no. OS 30 to M/s TEPS CETP for expansion of CETP.
		The existing trees at this allotted plat have been remaved.
		• Letter of intention (LOI) far 37.5 MLD CETP expansian has been awarded ta M/s Ramky Envira Engineers Itd.,vide TEPS letter dated 19/06/2012. Enviranment Clearance conditionally approved by GoM. Canstruction Wark is started

2.	If outlet treated quality is not achieved, advanced technologies such as MBR/RO are to be enforced	
3.	Replacement of RCC drainage by HDPE	Replacement of 6.0 km pipe line in C, E, G and zone is under progres and will be completed by 2011. Now work is campleted.

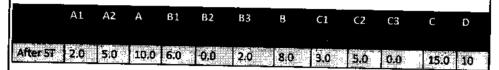
5.	holding capacity and	-The location of plot far expansion of CETP is changed. Now Piot is aliotted OS-30, MIDC Tarapur far 50 MLD expansion of CETP
		•As such proposal is deleted and augmentation of pumping capacity at sump na. 1 & 2 is under process. (As reported by Dy. Engineer MIDC vide their letter dated 24.05.2011. Scan capy enclosed.)
6.	Extension of pipeline inside Navapur sea	<ul> <li>NIO has studied pre and post mansoan studied and repart is ready &amp; repart is received by MIDC, wark is allatted to agency but work is not yet started.</li> <li>(As reparted by MIDC afficial)</li> </ul>
		(As reported by MIDC afficial)

7.	recycle of treated water by	,/20-10-10-00-1003 TEXTITE II IDUSTITES,
8.	Pursuing matter with Mahanagar Gas iimited/ GAIL to make available CNG to MIDC Tarapur	-Laying of pipeline fram Vikramgad to MIDC is completed and ailied work is under progress.

9.	instaliation of Continuous	-Proposai has already submitted.  • M/s JSW Steel Ltd has installed three Nos of CAAQMS monitoring station at above SRO MPCB Torapur Terrace, residential colony railway bridge and JSW Plant

### CEPI After Implementation of Action Plan (Water)

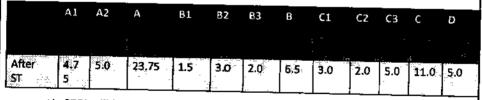
Short Term:



- Water CEPI will be reduced from 56 to 43 after 5hort Term Action Plan
- Long Term:
- Water CEPI = 43 After Short Term Action Plan
- Water CEPI will be further reduced from 43 to 38 after Long Term



### CEPI After Implementation of Action Plan (Air)



- Air CEPI will be reduced from 60.75 to 46.25 after Short Term Action Plan
- Long Term
- Water CEPI = 43 After Short Term Action PlanWater
- Air CEPI will be reduced from 46.25 to 33.25 after :Long Term Action Plan



## CEPI After Implementation of Action Plan ( Land)



 Air CEPI will be reduced from 51.25 to 48.00 after Short Term Action Plan