

# **CEPI ACTION PLAN**

## **ANKLESHWAR**

Sr. No.	Activity	Issue	Action	Implementing Agency/ Organization	Time Frame	Financial Implication and outlay
<b>1.</b>	<b>WATER</b>					
1.1	Up-gradation of FETP	Performance improvement of FETP	Up-gradation of FETP by providing: <ul style="list-style-type: none"> <li>- Grit Chamber at inlet of FETP</li> <li>- Mixing system / mechanism in equalization tank</li> <li>- Auto Sludge Removal &amp; drying system</li> <li>- Treatment facility will be developed for reduction of ammonical nitrogen based on treatability study.</li> <li>- Refurbishment of two nos. of Secondary Clarifiers</li> <li>- Providing physicochemical treatment facility in tertiary section.</li> </ul>	NCT	Long Term Nov - 2021	To be borne by NCT/ IC
1.2	Conveyance capacity boost up of existing conveyance pipeline from 40 MLD to 60 MLD (FETP to BPS Kantiyajal).	Boost up of conveyance capacity	- To boost up Conveyance capacity of existing conveyance pipeline from 40 MLD to 60 MLD (FETP to BPS Kantiyajal).	NCT	Long Term Nov - 2021	To be borne by NCT/ IC

1.3	To close down old u/g drainage network of pumping stations A, B & C in Ankleshwar estate and install above ground pipeline from individual unit to the IIUS & CIP pipeline (Vatva model).	To prevent suspicious/ illegal discharge	<ul style="list-style-type: none"> <li>- To close down old u/g drainage network of pumping stations A, B &amp; C in Ankleshwar estate.</li> </ul>	NAA/AIA	Long Term Nov - 2021	To be borne by NAA/AIA / IC
1.4	To upgrade existing IIUS & CIP drainage network with monitoring mechanism	To check discharge quality & quantity	<ul style="list-style-type: none"> <li>- To upgrade existing IIUS &amp; CIP drainage network with monitoring mechanism</li> <li>- Close (online) monitoring of IIUS network by providing auto-sampler, and SCADA system for individual units connected with IIUS line (direct discharge unit of NCT). (Vatva model)</li> </ul>	NAA	Short Term Nov - 2020	To be borne by AIA/ NAA/ IC
1.5	To strengthen storm water drainage network in Ankleshwar & Panoli GIDC to prevent contamination of nearby streams / khadies.	To prevent contamination of nearby streams/ khadies	<ul style="list-style-type: none"> <li>- To strengthen storm water drainage network in Ankleshwar &amp; Panoli GIDC to prevent contamination of nearby streams / khadies.</li> <li>- To make walkway both the side of natural creek passing through the estate for easy access / better monitoring of the creek.</li> </ul>	NAA	Short Term Nov - 2020	To be borne by NAA/ AIA/ PIA

			<ul style="list-style-type: none"> <li>- To repair / upgrade common / trunk lines of underground drainage to prevent overflow into open drains.</li> <li>- Holistic refurbishment of existing storm water management by isolating it at every corner of road site (this will help to restrict further traveling of effluent in storm water channel).</li> </ul>			
1.6	No fresh water shall be utilized as far as possible for preparation of chemical slurry / dosing solution in CETP. (supported by the treatability study report)	For conservation of water	<ul style="list-style-type: none"> <li>- No fresh water shall be utilized as far as possible for preparation of chemical slurry / dosing solution in CETP. (supported by the treatability study report)</li> <li>- To ensure that, FETP, ETL and PETL shall use treated water only instead of fresh water to prepare dosing solution &amp; for that every CETP will monitor &amp; submit their monthly water withdrawal &amp; consumption data to GPCB with its water balance.</li> </ul>	NCT/ ETL/ PETL/ AWML/N AA	Short Term March – 2020	To be borne by NCT/ ETL/ PETL/ AWML/N AA
1.7	To provide online monitoring system at GIDC drain near Final Pumping Station (FPS).	To control quality of discharge into amlakhadi	<ul style="list-style-type: none"> <li>- To provide online monitoring system at GIDC drain near Final Pumping Station (FPS).</li> </ul>	NCT/ NAA	Short Term May – 2020	To be borne by NAA

1.8	Implementation of policies / instructions / guidelines/ SOPs issued by GPCB & CPCB from time to time.	To install Continuous monitoring system for the parameters like Flow, pH, COD/TOC, TN (by Red- Large and Medium scale industries) and shall connect with GPCB / CPCB server	<ul style="list-style-type: none"> <li>- To install Continuous monitoring system for the parameters like Flow, pH, COD/TOC, TN (by Red- Large and Medium scale industries) and shall connect with GPCB / CPCB server.</li> <li>- All the industries handling solvent must follow the VOC control guideline of GPCB/CC&amp;A.</li> <li>- To install STP (for more than 10 KLD sewage generation in CEPI Area) and treated sewage shall be recycled / reused at maximum extent.</li> <li>- No ghost connection as per Affidavit submitted in Hon'ble High court in the matter of 11440/2012 and 12823/2010</li> <li>- To install CCTV camera on all main gates (Entry &amp; Exit) for tanker movement</li> <li>- All tanker movement for conveying effluent shall be through GPS mounted vehicle with GPCB connectivity</li> </ul>	Concern Individual Industries	Short Term June 2020	To be borne by Concern Individual Industries
<b>2</b>	<b>AIR</b>					
2.1	Up-gradations of APCMs for flue gas emission sources of	For control of air pollution	<ul style="list-style-type: none"> <li>- To up-grade APCMs for flue gas emission sources of existing – Individual industries and Common facilities.</li> </ul>	Individual industry/ Common	Short Term	To be borne by Individual

	existing – Individual industries and Common facilities.			facility / GPCB	May – 2020	industry/ Common facility
2.2	Additional plantation shall be carried out within the CEPI area in demarcated green belt by concern authority. (Green belt in CEPI area shall be increased by 40 % from existing 33%).	For control of air pollution	– To carry out additional plantation within the CEPI area in demarcated green belt by concern authority. (Green belt in CEPI area shall be increased by 40 % from existing 33%).	NAA/ AIA/ PIA/ Individual Industry/ Common Facility	Long term Dec – 2020	To be borne by NAA/ AIA/ PIA/ Individual Industry/ Common Facility
2.3	Common boiler projects to be implemented within cluster for resource conservation & converting multiple emission source in single emission point with better monitoring.	To convert multiple emission source in single emission point with better monitoring	– To implement Common boiler projects within cluster for resource conservation & converting multiple emission source in single emission point with better monitoring.	Ankleshwar Eco Energy Ltd. (AEEL)/ Detox / Panoli Eco Energy	Long Term June - 2021	To be borne by AEEL / Detox / PEEL

				Ltd. (PEEL)		
2.4	Parking logistics system Development and putting in operation	To control Air pollution	– To develop Parking logistics system and putting in operation	GIDC/ NAA	Long Term Nov – 2021	To be borne by GIDC/ NAA/ IC
2.5	Road up-gradations/re-carpeting	To control Air pollution	– To up-grade road /re-carpeting of road	NAA/ GIDC	Long Term May – 2021	To be borne by NAA/ GIDC / IC
<b>3</b>	<b>SOLID WASTE MANAGEMENT</b>					
3.1	Strengthening of existing decontamination certification process for recyclable waste disposal facility like drums / packing materials	To strengthen existing decontamination certification process	– To strengthen existing decontamination certification process for recyclable waste disposal facility like drums / packing materials	Individual industry/ AEPS/ PEPS / AIA/ PIA	Long Term May – 2022	To be borne by Individual industry/ AEPS/ PEPS / AIA/ PIA

3.2	Establishment of waste Exchange Centre for scientific management of hazardous wastes.	To establish waste exchange centre	<p><b>AIA/AWML proposed to set up Waste Exchange cum Productivity Center (WEPC) with following projects:</b></p> <ul style="list-style-type: none"> <li>- Pre-processing facility for wastes having high caloric value. Obtained CTE.</li> </ul> <p><b>Implementation C-SAMP Policy of GPCB</b></p> <ul style="list-style-type: none"> <li>- Recruitment of Project Consultant, Preparation of DPR, Application for Financial Assistance, Tendering process, Commissioning of the Project</li> </ul>	AIA/AW ML	Short term June – 2020	To be borne by AIA/AWML
				AIA/AW ML	Long Term Nov – 2021	
3.3	New TSDF site at Panoli	To develop New TSDF site	- To develop New TSDF site at Panoli	PIA	Long Term Feb. - 2022	To be borne by PIA
<b>4</b>	<b>OTHER</b>					
4.1	Monitoring of Ambient Air Quality at stations identified for CEPI and Source Apportionment Study (SAS).	For date acquisition to calculate CEPI monitoring	<ol style="list-style-type: none"> <li>1. Identification of 3rd Party for monitoring</li> <li>2. Monitoring</li> </ol>	AIA/ PIA	Short term Jan – 2020 (for pt no. 1 to 2)	To be borne by AIA/ PIA



			3. Finalizing agency for SAS 4. SAS study and report preparation		Short term Jun. 2020 (for pt no. 3 to 4)	
<b>5</b>	<b>Health</b>					
5.1	Health survey to be conducted for Ankleshwar region (within periphery of 10 KM radius) to assess impact on health due to industrial activity.	For date acquisition to calculate CEPI monitoring	<ul style="list-style-type: none"> <li>- Identification of 3rd Party for health survey</li> <li>- Scope finalization</li> <li>- Field study</li> <li>- Health survey report preparation</li> </ul>	AIA/ PIA	Short term June 2020	To be borne by AIA/ PIA

**Note:**

- 1) Earlier Notification issued by district collector for ban on open burning / illegal dumping / draining / disposal of waste needs to be revived.
- 2) No ghost connection as per Affidavit submitted in Hon'ble High court in the matter of 11440/ 2012 and 12823/2010.

## **ABBREVIATIONS**

CEPI – Comprehensive Environment Protection Index

CETP- Common Effluent Treatment Plant

CPCB- Central Pollution Control Board

CMEE- Common Multiple Effect Evaporator

COD- Chemical Oxygen Demand

EIA- Environment Impact Assessment

GIDC- Gujarat Industries Development Corporation

GPCB- Gujarat Pollution Control Board

MLD- Million Liter per day

MoEF&CC- Ministry of Environment and Forests & Climate Change

NCT – Narmada Clean Tech

FETP – Final Effluent Treatment Plant

PIA – Panoli Industries Association

NAA- Notified Area Authority

NIO- National Institute of Oceanography

NIO- National Institute of Oceanography

SEIAA- State Environment Impact Assessment Authority

STP- Sewage Treatment Plant

TDS- Total Dissolved Solids

TOC- Total Organic Carbon

TOR- Terms of Reference

AIA- Ankleshwar Industries Association

BEIL- Bharuch Enviro Infrastructure Limited

ZLD- Zero Liquid Discharge

ACPTCL – Ankleshwar Cleaner Process Technology Center  
Private Limited