CEPI ACTION PLAN ANKLESHWAR

Sr. No.	Activity	Issue	Action	Impleme nting Agency/ Organiza tion	Time Frame	Financial Implicati on and outlay
1.	WATER					
1.1	Up-gradation of FETP	Performance	Up-gradation of FETP by providing:	NCT	Long	To be
		improvement	 Grit Chamber at inlet of FETP 		Term	borne by
		of FETP	Mixing system / mechanism in equalization tank		Nov -	NCT/ IC
			Auto Sludge Removal & drying system		2021	
			Treatment facility will be developed for reduction			
			of ammonical nitrogen based on treatability study.			
			- Refurbishment of two nos. of Secondary Clarifiers			
			Providing physicochemical treatment facility in			
			tertiary section.			
1.2	Conveyance capacity boost up	Boost up of	- To boost up Conveyance capacity of existing	NCT	Long	To be
	of existing conveyance	conveyance	conveyance pipeline from 40 MLD to 60 MLD		Term	borne by
	pipeline from 40 MLD to 60	capacity	(FETP to BPS Kantiyajal).		Nov -	NCT/ IC
	MLD (FETP to BPS				2021	
	Kantiyajal).					

1.3	To close down old u/g	To prevent	-	To close down old u/g drainage network of	NAA/	Long	To be
	drainage network of pumping	suspicious/		pumping stations A, B & C in Ankleshwar estate.	AIA	Term	borne by
	stations A, B & C in	illegal				Nov -	NAA/AIA
	Ankleshwar estate and install	discharge				2021	/
	above ground pipeline from						IC
	individual unit to the IIUS &						
	CIP pipeline (Vatva model).						
1.4	To upgrade existing IIUS &	To check	-	To upgrade existing IIUS & CIP drainage network	NAA	Short	To be
	CIP drainage network with	discharge		with monitoring mechanism		Term	borne by
	monitoring mechanism	quality &	_	Close (online) monitoring of IIUS network by		Nov -	AIA/
		quantity		providing auto-sampler, and SCADA system for		2020	NAA/ IC
				individual units connected with IIUS line (direct			
				discharge unit of NCT). (Vatva model)			
1.5	To strengthen storm water	To prevent	-	To strengthen storm water drainage network in	NAA	Short	To be
	drainage network in	contamination		Ankleshwar & Panoli GIDC to prevent		Term	borne by
	Ankleshwar & Panoli GIDC to	of nearby		contamination of nearby streams / khadies.		Nov -	NAA/
	prevent contamination of	streams/	_	To make walkway both the side of natural creek		2020	AIA/ PIA
	nearby streams / khadies.	khadies		passing through the estate for easy access / better			
				monitoring of the creek.			

			_	To repair / upgrade common / trunk lines of			
				underground drainage to prevent overflow into			
				open drains.			
			_	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).			
1.6	No fresh water shall be utilized	For	_	No fresh water shall be utilized as far as possible	NCT/	Short	To be
	as far as possible for	conservation of		for preparation of chemical slurry / dosing	ETL/	Term	borne by
	preparation of chemical slurry	water		solution in CETP. (supported by the treatability	PETL/	March –	NCT/
	/ dosing solution in CETP.			study report)	AWML/N	2020	ETL/
	(supported by the treatability		_	To ensure that, FETP, ETL and PETL shall use	AA		PETL/
	study report)			treated water only instead of fresh water to			AWML/N
				prepare dosing solution & for that every CETP			AA
				will monitor & submit their monthly water			
				withdrawal & consumption data to GPCB with its			
				water balance.			
1.7	To provide online monitoring	To control	_	To provide online monitoring system at GIDC	NCT/	Short	To be
	system at GIDC drain near	quality of		drain near Final Pumping Station (FPS).	NAA	Term	borne by
	Final Pumping Station (FPS).	discharge into				May –	NAA
		amlakhadi				2020	

1.8	Implementation of policies /	To install	_	To install Continuous monitoring system for the	Concern	Short	To be
	instructions / guidelines/ SOPs	Continuous		parameters like Flow, pH, COD/TOC, TN (by	Individual	Term	borne by
	issued by GPCB & CPCB	monitoring		Red- Large and Medium scale industries) and	Industries	June 2020	Concern
	from time to time.	system for the		shall connect with GPCB / CPCB server.			Individual
		parameters like	_	All the industries handling solvent must follow			Industries
		Flow, pH,		the VOC control guideline of GPCB/CC&A.			
		COD/TOC, TN	_	To install STP (for more than 10 KLD sewage			
		(by Red- Large		generation in CEPI Area) and treated sewage shall			
		and Medium		be recycled / reused at maximum extent.			
		scale	_	No ghost connection as per Affidavit submitted in			
		industries) and		Hon'ble High court in the matter of 11440/2012			
		shall connect		and 12823/2010			
		with GPCB /	_	To install CCTV camera on all main gates (Entry			
		CPCB server		& Exit) for tanker movement			
			_	All tanker movement for conveying effluent shall			
				be through GPS mounted vehicle with GPCB			
				connectivity			
2	AIR						
2.1	Up-gradations of APCMs for	For control of	-	To up-grade APCMs for flue gas emission sources	Individual	Short	To be
	flue gas emission sources of	air pollution		of existing – Individual industries and Common	industry/	Term	borne by
				facilities.	Common		Individual

	existing – Individual industries				facility /	May –	industry/
	and Common facilities.				GPCB	2020	Common
							facility
2.2	Additional plantation shall be	For control of	1	To carry out additional plantation within the CEPI	NAA/	Long term	To be
	carried out within the CEPI	air pollution		area in demarcated green belt by concern	AIA/ PIA/	Dec –	borne by
	area in demarcated green belt			authority. (Green belt in CEPI area shall be	Individual	2020	NAA/
	by concern authority. (Green			increased by 40 % from existing 33%).	Industry/		AIA/ PIA/
	belt in CEPI area shall be				Common		Individual
	increased by 40 % from				Facility		Industry/
	existing 33%).						Common
							Facility
2.3	Common boiler projects to be	To convert	1	To implement Common boiler projects within	Ankleshw	Long	To be
	implemented within cluster for	multiple		cluster for resource conservation & converting	ar Eco	Term	borne by
	resource conservation &	emission		multiple emission source in single emission point	Energy	June -	AEEL /
	converting multiple emission	source in single		with better monitoring.	Ltd.	2021	Detox /
	source in single emission point	emission point			(AEEL)/		PEEL
	with better monitoring.	with better			Detox /		
		monitoring			Panoli		
					Eco		
					Energy		

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

Establishment of waste	To establish	AIA/AWML proposed to set up Waste Exchange	AIA/AW	Short term	To be
Exchange Centre for scientific	waste exchange	cum Productivity Center (WEPC) with following	ML	June –	borne by
management of hazardous	centre	projects:		2020	AIA/
wastes.		 Pre-processing facility for wastes having high 			AWML
		caloric value. Obtained CTE.			
		Implementation C-SAMP Policy of GPCB		Long	
		- Recruitment of Project Consultant, Preparation of	AIA/AW	Term	
		DPR, Application for Financial Assistance,	ML	Nov –	
		Tendering process, Commissioning of the Project		2021	
New TSDF site at Panoli	To develop	 To develop New TSDF site at Panoli 	PIA	Long	To be
	New TSDF site			Term	borne by
				Feb	PIA
				2022	
OTHER					
Monitoring of Ambient Air	For date	1. Identification of 3rd Party for monitoring	AIA/ PIA	Short term	To be
Quality at stations identified	acquisition to	2. Monitoring		Jan –	borne by
for CEPI and Source	calculate CEPI			2020	AIA/ PIA
Apportionment Study (SAS).	monitoring			(for pt no.	
				1 to 2)	
	Exchange Centre for scientific management of hazardous wastes. New TSDF site at Panoli OTHER Monitoring of Ambient Air Quality at stations identified for CEPI and Source	Exchange Centre for scientific management of hazardous centre wastes. New TSDF site at Panoli OTHER Monitoring of Ambient Air Quality at stations identified for CEPI and Source centre waste exchange centre centre To develop New TSDF site	Exchange Centre for scientific management of hazardous wastes. Waste exchange centre projects: Pre-processing facility for wastes having high caloric value. Obtained CTE. Implementation C-SAMP Policy of GPCB Recruitment of Project Consultant, Preparation of DPR, Application for Financial Assistance, Tendering process, Commissioning of the Project New TSDF site at Panoli OTHER Monitoring of Ambient Air Quality at stations identified for CEPI and Source CEPI Masses are caused by the following projects: To develop Projects: To develop Project Consultant, Preparation of DPR, Application for Financial Assistance, Tendering process, Commissioning of the Project To develop New TSDF site at Panoli 1. Identification of 3rd Party for monitoring 2. Monitoring Monitoring	Exchange Centre for scientific management of hazardous wastes. Wastes. Centre projects: Pre-processing facility for wastes having high caloric value. Obtained CTE. Implementation C-SAMP Policy of GPCB Recruitment of Project Consultant, Preparation of DPR, Application for Financial Assistance, Tendering process, Commissioning of the Project New TSDF site at Panoli To develop New TSDF site at Panoli PIA OTHER Monitoring of Ambient Air Quality at stations identified for CEPI and Source calculate CEPI Pre-processing facility for wastes having high caloric value. Obtained CTE. AIA/AW ML AIA/AW ML To develop New TSDF site at Panoli PIA AIA/PIA AIA/PIA AIA/PIA	Exchange Centre for scientific management of hazardous waste exchange centre management of hazardous wastes. Control Pre-processing facility for wastes having high caloric value. Obtained CTE. Pre-processing facility for wastes having high caloric value. Obtained CTE. Long Pere-processing facility for wastes having high caloric value. Obtained CTE. Long Pere-processing facility for wastes having high caloric value. Obtained CTE. Long Pere-processing facility for wastes having high caloric value. Obtained CTE. Long Pere-processing facility for wastes having high caloric value. Obtained CTE. Long Pere-processing facility for wastes having high caloric value. Obtained CTE. AlA/AW Pere-Pre-processing facility for wastes having high caloric value. Obtained CTE. AlA/AW Pere-Pre-processing facility for wastes having high caloric value. Obtained CTE. AlA/AW Pere-Pre-processing facility for wastes having high caloric value. Obtained CTE. Ala/AW Pere-Pre-processing facility for wastes having high caloric value. Obtained CTE. Ala/AW Pere-Pre-processing facility for wastes having high caloric value. Obtained CTE. Ala/AW Pere-Pre-processing facility for wastes having high caloric value. Obtained CTE. Ala/AW Pere-Pre-processing facility for wastes having high caloric value. Obtained CTE. Ala/AW Pere-Pre-processing facility for wastes having high caloric value. Obtained CTE. Ala/AW Pere-Pre-processing facility for wastes having high caloric value. Obtained CTE. Ala/AW Pere-Pre-processing facility for wastes having high caloric value. Obtained CTE. Ala/AW Pere-Pre-processing facility for wastes having high caloric value. Obtained CTE. Ala/AW Pere-Pre-processing facility for wastes having high caloric value. Obtained CTE. Ala/AW Pere-Pre-pre-pre-pre-pre-pre-pre-pre-pre-pre-p

			3. 4.	Finalizing agency for SAS SAS study and report preparation		Short term Jun. 2020 (for pt no. 3 to 4)	
5	Health						
5.1	Health survey to be conducted	For date	-	Identification of 3rd Party for health survey	AIA/ PIA	Short term	To be
	for Ankleshwar region (within	acquisition to	_	Scope finalization		June	borne by
	periphery of 10 KM radius) to	calculate CEPI	_	Field study		2020	AIA/ PIA
	assess impact on health due to	monitoring	_	Health survey report preparation			
	industrial activity.						

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.

ABBREVATIONS

PIA – Panoli Industries Association

CEPI – Comprehensive Environment Protection Index NAA- Notified Area Authority CETP- Common Effluent Treatment Plant NIO- National Institute of Oceanography CPCB- Central Pollution Control Board NIO- National Institute of Oceanography SEIAA- State Environment Impact Assessment Authority CMEE- Common Multiple Effect Evaporator COD- Chemical Oxygen Demand STP- Sewage Treatment Plant TDS- Total Dissolved Solids EIA- Environment Impact Assessment GIDC- Gujarat Industries Development Corporation **TOC- Total Organic Carbon** GPCB- Gujarat Pollution Control Board **TOR-** Terms of Reference MLD- Million Liter per day AIA- Ankleshwar Industries Association MoEF&CC- Ministry of Environment and Forests & Climate Change **BEIL- Bharuch Enviro Infrastructure Limited** NCT – Narmada Clean Tech ZLD- Zero Liquid Discharge FETP – Final Effluent Treatment Plant ACPTCL - Ankleshwar Cleaner Process Technology Center Private Limited