

# **CEPI Action Plan**

## **AJI- Rajkot Cluster**

Sr. No.	Activity	Issue	Action	Implementing Agency/ Organization	Time Frame	Financial Implication and outlay
<p><b>A) WATER: There are very few organic chemical manufacturing units in the Aji GIDC estate and surrounding area. CETP of Electroplating and pickling units is the main issue for higher CEPI water score</b></p>						
1.	<p><b>Up-gradation of CETP</b></p> <p>a) <b>To upgrade CETP by adopting sodium by-sulphite treatment facility, for removal of Hexavalent chromium</b></p> <p>b) <b>To install online flow meter, pH meter &amp; connect online with CPCB &amp; GPCB portal.</b></p> <p>c) <b>Install GPS system for tracking of effluent</b></p>	<p>a) Heavy metal results are not meeting with the prescribed norms</p> <p>b) It is mandatory to install online flow meter, pH meter &amp; connect same online with GPCB &amp; CPCB portal.</p> <p>c) CETP collecting effluent from member units by tanker, so it is necessary to adopt GPS</p>	<p>a) CETP authority shall upgrade treatment facility to achieve prescribed norms.</p> <p>b) CETP authority to install online flow meter and pH meter and connect same to GPCB &amp; CPCB portal</p> <p>c) CETP authority to install GPS tracking system on all vehicles used for collection of effluent from member units</p>	<p>CETP of Jay Khodiyar Enviro Technologies</p>	<p>Sept-2020</p> <p>June- 2020</p> <p>June- 2020</p>	<p>To be borne by CETP of Jay Khodiyar Enviro Technologies.</p>

	<p>conveyance vehicles.</p> <p><b>d) Improvement for collection and conveyance system of waste water from member units</b></p>	<p>tracking system.</p> <p>d) Member units are not maintaining record of waste water generation/ disposal to CETP. CETP authority also not giving satisfactory services for collecting waste water.</p>	<p>d) Waste water collection system shall be improved by providing online entry system / may be mobile (Cell Phone) operating system of waste water quantity disposed to CETP authority on daily basis by individual CETP members.(Like BMW waste collection model),</p> <p>Use of small vehicle/ tankers with GPS system for collection of effluent in narrow area of Rajkot city</p>		<p>Sept-2020</p>	
2.	<p><b>Discharge of untreated domestic wastewater generating from AJI GIDC, and other surrounding areas located near bank of Aji river in Aji river</b></p>	<p>Domestic waste water generating from AJI GIDC, Jangleshwar and surrounding area located on bank of river are discharging untreated w/w into Aji River.</p>	<p>Rajkot Municipal Corporation/ G.I.D.C. shall jointly set up adequate collection and conveyance system for domestic waste water of AJI GIDC and other nearby areas located on bank of Aji river and treat same in existing STPs</p>	<p>Rajkot Municipal Corporation / G.I.D.C.</p>	<p>Oct-2020 For AJI GIDC and other area Dec-2022</p>	<p>To be borne by RMC/ G.I.D.C.</p>
3.	<p><b>Reuse of treated domestic</b></p>	<p>Ground water quality needs</p>	<p>Industrial units generating more</p>	<p>Individual</p>	<p>Ongoing</p>	<p>To be borne by</p>

	<b>waste water</b>	to be improved	than 10KLPD domestic waste water should install STP	industrial units.	process	concerned industries
<b>4.</b>	<b>Regular cleaning and maintenance of storm water drainage of AJI GIDC.</b>	Due to clogging of storm water drainage during rainy season rain water flow is obstructed and gets polluted.	Periodical cleaning and maintenance of storm water drainage system of AJI GIDC.	RMC/ G.I.D.C.	Ongoing Process	RMC/ G.I.D.C.
<b>B) AIR</b>						
<b>1.</b>	<b>Installation /up gradation of air pollution control measures</b>	Ambient air quality needs to be improved in Aji GIDC and surrounding area by reducing stack emission levels particularly for PM	Existing cupola furnace foundry units consuming solid fuel like coal etc., required to upgrade their air pollution control system by installing APCM like (i.e. ID fan, heat exchanger, multi cyclone separator, dust collector, cooling tower, Water scrubber etc, so that ambient air in the nearby area meet with the NAAQ norms.  Increased regular monitoring of industries by shall be done by GPCB.	Individual industries  GPCB.	Sept-2020.	To be borne by the concerned industry/ Associations may assist individual units.

2.	<b>Encourage use of cleaner fuel (Pet Coke/ Furnace oil/LSHS may be avoided)</b>	Ambient air quality needs to be improved in Aji GIDC and surrounding area.	<p>Foundry units shall use cleaner fuel like Natural gas, Electricity etc.</p> <p>No new permission for the use of pet coke / Furnace Oil in industrial estate.</p> <p>Pet coke use is banned</p> <p>GPCB shall monitor the units for the fuel.</p>	Concerned industries/Industries association GPCB.	Ongoing process	-----
3.	<b>Encourage use of Induction furnace/EAF/SAF (best technology for foundry units) in place of Cupola furnace and rotary furnace</b>	Ambient air quality needs to be improved in Aji GIDC and surrounding area.	New foundry units and <u>expansion</u> of casting capacity in <u>existing foundry</u> units shall be permitted only with Induction furnace.	Concerned Industries, GPCB	Ongoing process	-----
4.	<b>Effective control of fugitive emission.</b>	Ambient air quality needs to be improved in Aji GIDC and surrounding area.	a) Foundry units which are using molasses in mould making shall provide confined /enclosed and ID fan, suction system, cyclone	Concerned industries, Industrial Association	Dec-2020	Concerned industries, Industrial Association,

			<p>separator/bag filter along with adequate height stack shall be installed as APCM by foundry units.</p> <p>b) Pickling/ hard chrome plating unit shall provide adequate suction hood and alkali scrubber over pickling bath as APCM along with chimney of adequate height.</p> <p>c) Re-carpeting of the road, Greening of the side.</p>	RMC/ G.I.D.C.	Ongoing process	RMC/ G.I.D.C.
5.	<b>Ambient Air Quality Monitoring</b>	Ambient air quality needs to be continuously tested in Aji GIDC and surrounding area.	A land/ space shall be allotted by Aji Industrial association to GPCB for installation of CAAQMS at Aji GIDC.	Aji GIDC Ind. Association, GPCB.	Oct- 2020	GPCB
6.	<b>Plantation in the industrial estate (Green Belt development).</b>	Ambient air quality needs to be improved in Aji GIDC and surrounding area.	Increase in Green cover by 5 to 10 % in and around GIDC.	Industrial Association, RMC/ G.I.D.C, Forest dept., NGOs.	Dec-2022	To be borne by AJI industrial Association.

<b>C</b>	<b>LAND &amp; SOIL POLLUTION</b>					
<b>1.</b>	<b>Hazardous Waste:</b> In this cluster, there are very few hazardous waste generating units, which are members of TSDF site.					
<b>2.</b>	<b>Solid Waste Management :</b>					
	<b>Solid waste management</b>	Collection and disposal of Solid waste generated from GIDC	Used molding material, slag, fly ash and other solid waste from Industrial units shall be disposed at designated locations approved by RMC and GPCB Rajkot Municipal Corporation shall be directed to set up proper collection of domestic and construction and demolition solid waste generated from AJI GIDC.	Individual foundry units, RMC/ G.I.D.C.	Ongoing process	G.I.D.C., RMC, AJI Industrial Association.