



# GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar 382 010

Phone : (079) 23222425

(079) 23232152

Fax : (079) 23232156

Website : www.gpcb.gov.in

GPCB/P-1/CEPI-10/M 80317/

Date:29.12.2018

To,

**Dr. Satish C. Garkoti**  
**Scientist 'F',**  
**Ministry of Environment, Forest and Climate Change**  
Indira Paryavaran Bhawan,  
Aliganj, Jor Bagh Road,  
New Delhi - 110003

**Sub: Compliance of Post CEPI Action Plan of CPAs of Gujarat**  
**Ref: MoEFCC Office Memorandum No. J-11013/5/2010-IA.II(I), dated 25.11.2016**

Sir,

In line with conditions stipulated in MoEFCC Memorandum dated 25.11.2016, compliance status of Post CEPI Action Plan of Vapi, Ankleshwar and Vatva industrial clusters are annexed herewith for your kind perusal and necessary action.

With regards,

Yours faithfully,

  
(K.C. Mistry)  
Member Secretary

Encl: As above

Copy to:

- (1) **The Member Secretary,**  
**Central Pollution Control Board,**  
**'Parivesh Bhawan', East Arjun Nagar,**  
**Delhi - 110032**
- (2) **The Regional Director**  
**Regional Directorate (West)**  
**Central Pollution Control Board**  
**'Parivesh Bhawan', Atmajyoti Ashram Road,**  
**VMC Ward Office no. 10,**  
**Shubhanpura, Vadodara - 390023**

**Minutes of the meeting under the Chairmanship of Shri K. C. Mistry, Member Secretary, Gujarat Pollution Control Board, in the Conference Hall, Vapi Industries Association, GIDC, Vapi**

**Compliances of Post CEPI Action Plan - VAPI Cluster**

Sr. No.	Action Point	Agency/ Organization	Time Frame	Status (as on 30.09.2018)
1.	CETP augmentation Capacity 55 to 70 MLD - Submit an action plan with bar chart.  Implementation	VGEL VIA	Within one month.  Within six months (after receiving EC)	VGEL CETP, Vapi has applied for Environment Clearance on Dated: 31.12.17 to State Environment Impact Assessment Authority (SEIAA) to enhance CETP capacity from 55 MLD to 70 MLD.  SEAC has recommended to issue Terms of reference (TOR) after presentation on 07.02.2018.  It is proposed to complete work within six months on receipt of EC from competent authority.  Action Plan with Bar chart for period of six month will be submitted to GPCB on receipt of EC from competent authority.  CETP has applied for CTE on 03.06.2018 for expansion, which is under process.
2.	CETP augmentation Capacity 70 to 100 MLD -Submit an action plan with bar chart	VGEL, VIA	After successful completion of first phase	Further expansion up to 100 MLD will be considered after successful implementation of first phase expansion up to 70 MLD & an action plan with bar chart to bar submitted accordingly.
3.	Up-gradation of collection pipeline network of waste water to cater future load	GIDC		GIDC, Vapi has again replied on 07.03.2018 stating that present pipeline network are sufficient to cater future load. <b>Complied</b>
4.	Up gradation of all pumping station of waste water to cater future load	GIDC	30 days	GIDC, Vapi has again replied on 07.03.2018 stating that present pipeline network are sufficient to cater future load. <b>Complied</b>
5.	Laying of pipeline up to the point decided by NIO, Mumbai  Submit an action plan with bar chart	VGEL, VIA	As per order No. 109/2014 in Hon'ble NGT (WB) Pune.	Honorable NGT (WB) Pune, has issued an order on 27/10/2017 in the matter application no.109/2014 and directed to VGEL to lay down pipeline up to 4.5 KM from existing discharge point, within territory of Gujarat.  Work to decide and finalization of discharge point by NIO Mumbai is in process.

				VGEL has given work order for Bathymetric Study vide letter dated 25.05.2018 at Damanganga River for Diffuser design for discharge of treated industrial effluent to M/S New Horizon Survey (I) Pvt. Ltd., Mumbai.
6.	<p>Acid Bank(Spent acid reception, collection, storage Treatment &amp; Disposal)</p> <p>-Submit an action plan with bar chart</p>	VIA	15 days	<p>Data collection for the generation of Spent Sulphuric Acid in Vapi cluster is done by VIA (@ 700 KLPD of spent Sulphuric acid generation having @ 20% Acidity).</p> <p>As a part of development of Acid Bank concept, VIA authorities, concern Officers and actual re-user awareness meeting were organized.</p> <p>In next phase member industries will be sensitized accordingly.</p> <p>VIA/GPCB shall take up issue and then finalize after due discussion in consideration of how provision of rule 09 permission under Hazardous and Other Waste (Management and Transboundary Movement) Rules 2016.</p> <p>VGEL has published advertisement for inviting Expression of Interest (EOI) for proposed Common Spent Acid Management Project on dated 20/07/2018 in Times of India. Site selection for the same is also under consideration.</p>
7.	<p>Installation of common spray dryer facility for high COD/ TDS waste water</p> <p>-Submit an action plan with bar chart</p> <p>-installation &amp; commissioning</p>	VGEL, VIA	Within six month	<p>Installation of spray dryer (Capacity - 4000 Litres of water evaporation rate/Hr.) was completed &amp; Spray dryer is in operation since March - 2018.</p> <p>GPCB has issued CCA – Amendment application for Spray dryer on dated 25.07.2018 .</p>
8.	<p>Installation of online monitoring system on each pumping station receiving industrial waste water</p> <p>-installation &amp; commissioning</p>	VGEL, VIA	Within six month.	<p>Online pH meters with pH correction dosing system have been installed at each pumping stations.</p> <p>For other parameters i.e. COD and Ammonical Nitrogen, COD analyzer installed at Pumping Station (PS) No. 3 on 02.02.2018 and at Pumping Station No. 6 on 10.07.2018.</p>
9(a)	<p>Identification of</p> <p>(i) manholes having industrial w/w exceeding norms</p> <p>(ii) culprit industries discharging w/w having exceeding norms</p>	<p>GIDC, VIA VGEL</p> <p>VO(SG)- GPCB</p>	Immediately	<p>Ongoing Process,</p> <p>In addition to regular monitoring, 5 tier monitoring system is going on.</p> <p>Necessary action taken as per Environment rules and regulation.</p>

9(b)	Installation of online monitoring system on the identified vulnerable manhole	VGEL, VIA	within six month	<p>Online monitoring systems will be provided at pumping stations in 1<sup>st</sup> phase.</p> <p>After successful installation and working of the said instrument at all pumping stations, installation of online monitoring system at vulnerable manhole may be considered, if requires.</p>
10.	Installation of Continuous Ambient Air Quality Monitoring Station (2 station)	(i) GPCB (1 station) (ii) VGEL, VIA (1station)	Within six month	<p>Continuous Ambient Air Quality Monitoring equipment is installed at Center of Excellence (COE) &amp; monitoring is also started.</p> <p>VGEL has installed sensor-based instrument for CAAQMS located at TSDF site Vapi which is working since 28th March – 2018.</p>
11.	Monitoring of Ambient Air Quality Monitoring Station identified for CEPI (6 station) (i) Identification of 3 <sup>rd</sup> Party for monitoring (ii) Monitoring	GPCB  Third Party	One month	<p>GPCB has setup 3<sup>rd</sup> party monitoring of Ambient Air Quality at 5 stations in Vapi region and monitoring is done regularly by 3<sup>rd</sup> party.</p> <p>By and large parameters like PM<sub>2.5</sub>, SO<sub>2</sub> are within limit.</p> <p>However PM<sub>10</sub> is not within limit due to heavy vehicles traffic.</p> <p>M/S Bhagvati Ana Lab has been engaged to carryout pre-monsoon and post monsoon monitoring of Air, Water and Land as per CEPI locations.</p>
12.	Monitoring of Individual Flue/Process gas Stack (i) Identification of 3 <sup>rd</sup> Party for monitoring (ii) Monitoring	GPCB  Third Party	One month  Quarterly	<p>CETP Vapi will identify third party for flue/process gas monitoring.</p> <p>Work for monitoring will be given to third party NABL accredited /MoEF&amp;CC approved laboratory.</p>
13.	Identify refractory COD generated industrial units.	VGEL	Immediate	<p>Total 111 nos. of industries identified having refractory COD generating effluent and 86 Nos. of industries are members of CMEE.</p> <p>27 nos. of industries having captive MEE for Refractory COD.</p> <p>Frequent monitoring of the above mentioned 111 units are carried out by GPCB and VGEL, to verify operation of captive MEE and disposal of refractory COD generated effluent at CMEE.</p>
14.	New TSDF site development with incinerator. - Submit an action plan with bar chart -Implementation	VGEL, VIA	30 days	<p>EC received for new proposed TSDF Site on dated 07/11/2017.</p> <p>Bar chart to be submits to GPCB by the end of March 2018.</p>

				<p>VGEL has invited Expression of Interest from consultant for design of new TSDF Site.</p> <p>Proposals have been received from five consultants, which are under technical evaluation.</p> <p>VGEL is in the process of resolving the land issues with villagers.</p>
15.	<p>Identify VOC emitted industrial units</p> <p>Insist them to comply GPCB spent solvent guideline</p>	<p>VGEL, GPCB-RO Vapi</p>	<p>Immediate</p>	<p>All 29 units have adopted system as per recommendation given by SVNIT.</p> <p><b>Complied</b></p>
16.	<p>Identify and develop proper facility for parking of Heavy vehicle</p>	<p>Notified Area Authority, District Authority</p>	<p>Within three month</p>	<p>Not allotted plot for Transportnagar till the date. This matter reviewed under the Chairmanship of District Collector Task Force Vapi Air Action Plan &amp; CEPI. In this regard letter is written to Notified area Authority and they reply that this matter is under consideration and after consultation with GIDC further action could be taken.</p>
17.	<p>To provide wall to wall carpet in GIDC area</p>	<p>Notified Area Authority, District Authority</p>	<p>Within three month</p>	<p>Wall to wall paver block work is completed in Residential Zone – 1 and 2 of Notified Area.</p>
18.	<p>CETP shall collect information from industries regarding existing &amp; proposed</p> <p>(a) consumption of water</p> <p>(b)waste water generation</p> <p>(c)production capacity</p> <p>(d)Environment Management System (EMS)</p> <p>(e) Investment in EMS</p>	<p>VGEL</p>	<p>Immediate</p>	<p>Complied</p>
19.	<p>Fresh water use by Industry from other source like tanker/bore well etc. shall be restricted</p> <p>1. Issue necessary instruction for not to use fresh water from other sources</p> <p>2. To keep watch on industry using fresh</p>	<p>GIDC, VGEL</p>	<p>Immediate</p>	<p>Vapi GIDC is being supplying water to industries and has adequate water quantity to supply to Industries.</p> <p>(a) GIDC shall obtain data of actual quantity of waste water received by CETP, Vapi.</p> <ul style="list-style-type: none"> <li>• So far taker movement during odd hours /Night is restricted.</li> <li>• VGEL members are instructed to inform in advance about usage of tanker water in case of less/no GIDC water supply. If any industry found</li> </ul>

	<p>water from other source</p> <p>3. In CTE / CCA order fresh water consumption and its source shall be mentioned</p>	GPCB	Immediate	<p>using tanker water without information penalty of 25,000 Rs. as per VGEL policy.</p> <p>Complied</p>
20.	Existing units having CCA for Zero Liquid Discharge shall not be permitted for discharge into CETP through underground drainage connection of GIDC. The GIDC shall seal their underground drainage connection and inform the Board	GIDC, GPCB, VGEL	Immediate	Drainage connections of 128 Nos. of industrial units were disconnected by GIDC as they have no permission to discharge any effluent into CETP through underground drainage connection.
21.	To monitor Zero Liquid Discharge (ZLD) units and verify their ZLD status.	GPCB-Regional office, Vapi	Immediate	Complied Ongoing process