



# GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

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GPCB/P-1/CEPI-10/M80317/

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

## CEPI Action Plan Progress Report – 01-01-2018 to 30-09-2018

### Action point wise Progress Report for above clusters:

Sr. No.	Action Plan	Implementing agency	Actions taken by the stake holders												
1	Industries Associations and CETPs shall discourage new units/expansion to manufacture highly polluting products before providing membership. CETP authority shall ensure that the CETP is adequate to take up the hydraulic and organic load from the unit.	<b>Ind. Asso. &amp; CETPs : Vatva, Narol</b>	<p><b><u>Vatva:</u></b></p> <ul style="list-style-type: none"> <li>• GESCSL, Vatva stopped issuing membership to new units since 2010 and not allowing any members to increase their existing production quantity as well as hydraulic &amp; organic load until the CETP would be adequate to take up that load.</li> <li>• CETP- GESCSL has applied for Terms of Reference at the SEAC, Gujarat.</li> <li>• CETP- GESCSL has installed additional 2 spray dryers for high TDS stream of waste water received from member industries of Vatva GIDC which will further improve the performance of CETP.</li> </ul> <p><b><u>Narol:</u></b></p> <ul style="list-style-type: none"> <li>• CETP- NTIEM, Narol is under stabilization period.</li> </ul>												
2	GPCB and Industries Associations shall focus on control of main critical pollutants viz, Particulate Matter, NH <sub>3</sub> -N etc. as identified by MoEF&CC/CPCB.	<b>GPCB-RO, VO, UH : Ind Asso. &amp; CETPs : Vatva and Narol</b>	<ul style="list-style-type: none"> <li>• One CAAQMS is installed in Vatva GIDC by GPCB and it is fully in operation stage.</li> </ul> <p><b><u>Vatva:</u></b></p> <ul style="list-style-type: none"> <li>• VIA has started monitoring and analysis of ambient air quality at 6 locations near Vatva and one monitoring phase has been completed.</li> <li>• VIA has also formed an in-house Ambient Air Monitoring team to keep watch on the Ambient Air Quality of Vatva and to inform GPCB whenever any default found.</li> <li>• VIA has done Source Apportionment Study of Vatva Industrial Estate was conducted under the guidance of Dr. Rajendra Prasad (IIT – Roorkee) to investigate the Source of airborne PM in Vatva GIDC and the report for the same is submitted.</li> </ul> <p><b><u>Narol:</u></b></p> <ul style="list-style-type: none"> <li>• Work about installation of CAAQM station is under progress. ATPA has to expedite the matter.</li> </ul>												
3	GESCSL, Vatva shall ensure that effluent discharged to CETP by their member units meet with the inlet COD limit of 2000 mg/L instead of 3000 mg/L, as per the direction given in 2010.	<b>CETP-Vatva</b>	<ul style="list-style-type: none"> <li>• GPCB has already revised the inlet norms of CETP-GESCSL, Vatva as below accordingly norms for effluent discharging units ≥ 50 KLD are made more stringent.</li> </ul> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Parameters</th> <th style="text-align: center;">≥ 50 KLD</th> <th style="text-align: center;">&lt; 50 KLD</th> <th style="text-align: center;">Textile units</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">BOD (mg/L)</td> <td style="text-align: center;">500</td> <td style="text-align: center;">700</td> <td style="text-align: center;">400</td> </tr> <tr> <td style="text-align: center;">COD</td> <td style="text-align: center;">1500</td> <td style="text-align: center;">2000</td> <td style="text-align: center;">1000</td> </tr> </tbody> </table>	Parameters	≥ 50 KLD	< 50 KLD	Textile units	BOD (mg/L)	500	700	400	COD	1500	2000	1000
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4	GESCSL, Vatva shall identify their member unit contributing to Ammonical Nitrogen in wastewater received by the CETP and work out a methodology on removal of Ammonical Nitrogen by them so that Ammonical Nitrogen concentration in the wastewater coming to the CETP remains within 50 mg/L round the clock.	<b>CETP-Vatva</b>	<ul style="list-style-type: none"> <li><b><u>Vatva:</u></b></li> <li>CETP stated that they are receiving the effluent having @50-60 mg/L Ammonical Nitrogen from member units at their CETP inlet.</li> <li>CETP has one 300 KLD MEE and 3 spray dryers (total capacity 720 KLD) for concentrated waste water.</li> </ul>				
5	GESCSL, Vatva shall get certification on the capacity and adequacy of existing CETP through third party credible institute like NEERI.	<b>CETP-Vatva</b>	<ul style="list-style-type: none"> <li>CETP have engaged NEERI, Nagpur for providing adequacy certificate of existing CETP, preparing EIA Report and for assistance in preparing master plan to achieve GPCB prescribed norms and evaluation of pilot tertiary treatment plant (Fenton Catalytic Reactor).</li> <li>Report is submitted by NEERI to CETP which is still under consideration.</li> <li>CETP has proposed to install Fantom Catalytic Reaction treatment unit to cop up the hydraulic and organic load to the CETP after expansion for which NEERI has also approved the same.</li> </ul>				
6	In view of the operational issues of Mega pipeline, GESCSL, Vatva shall explore the feasibilities of laying their separate conveyance pipeline for disposal of treated wastewater from the CETP into Sabarmati.	<b>CETP-Vatva</b>	<ul style="list-style-type: none"> <li>With respect to the meeting arranged by the Honourable Chairman -GPCB with all the CETPs on 10<sup>th</sup> September 2018, Deep sea disposal line DPR preparation is in progress.</li> <li>Consultant engaged for DPR</li> </ul>				
7	For dealing with the refractory organic load likely to arise in future, GESCSL shall establish and commission two numbers of common Spray Dryers in Vatva.	<b>CETP-Vatva</b>	<ul style="list-style-type: none"> <li>One 300 KLD MEE and 3 spray dryers (total capacity 720 KLD).</li> <li>As on today the MEE-1 &amp; Spray Dryers-3, It has reduced refractory organic load/ concentrated waste water load.</li> </ul>				

8	GESCSL, Vatva shall approach AMC and endeavor to take up treatment responsibility of Vinzol STP and to provide a separate pipeline for conveying treated sewage to river Sabarmati along with the treated effluent from the CETP, so that existing disposal of treated sewage into Kharicut canal (Vinzol Vehla) from Vinzol STP could be avoided.	<b>CETP-Vatva</b>	<p><b><u>CETP-Vatva:</u></b></p> <ul style="list-style-type: none"> <li>• CETP-Vatva has dropped out the proposal during the meeting dated: 13/07/2017 at GPCB, Gandhinagar as dilution of sewage above 20% is not permitted with industrial effluent at CETP as per the NGT, New Delhi Judgement dated 13/07/2017.</li> <li>• GESCSL is planning to Achieve GPCB norms by installing Fenton technology and expansion of CETP capacity from 16 MLD to 35 MLD.</li> </ul>
9	GESCSL, Vatva shall augment Capacity of the CETP from existing 16 MLD to 30 MLD in consideration of the hydraulic load and organic load likely to be increased due to future expansions.	<b>CETP-Vatva</b>	<ul style="list-style-type: none"> <li>• GESCSL, Vatva informed the Board that they have applied for the proposed expansion to the SEAC, Gujarat for the necessary ToR and EC.</li> </ul>
10	Industries Associations shall establish environment cell and start joint air quality monitoring in Vatva and Narol as well as Naroda, Odhav, GVMM estate at least during winter season.	<b>Vatva &amp; Narol Ind Association.</b>	<p><b><u>Vatva:</u></b></p> <ul style="list-style-type: none"> <li>• GESCSL, Vatva has established Environmental Cell at Vatva Industrial estate and has engaged third party M/s. Go Green Mechanisms Pvt. Ltd., Jetalpur to evaluate Ambient Air quality at 6 different locations of Vatva from January 2017.</li> <li>• VIA has also formed an in-house Ambient Air Monitoring team to keep watch on the Ambient Air Quality of Vatva and to inform /GPCB whenever any default found.</li> <li>• VIA has started air monitoring in Vatva by doing spot test of Spray Dryer Stacks through in house vigilance team.</li> </ul> <p><b><u>Narol:</u></b></p> <ul style="list-style-type: none"> <li>• NTIEM has formed an in-house Ambient Air Monitoring team to keep watch on the Ambient Air Quality of Narol.</li> </ul>
11	VIA shall set up one continuous ambient air quality monitoring station (CAAQMS) in Vatva Estate. Location of said CAAQMS shall be decided in consultation with the Regional Officer, Ahmedabad (EAST).	<b>Vatva ind Asso. GPCB-RO Vatva</b>	<ul style="list-style-type: none"> <li>• GPCB has installed one CAAQMS in Vatva GIDC and is in operation since September - 2017</li> <li>• VIA has been informed to set up one continuous ambient air quality monitoring station (CAAQMS) in Vatva Estate.</li> <li>• No progress in this regards made.</li> </ul>
12	Narol Textile processors' association shall set up one continuous ambient air quality monitoring station (CAAQMS) in Narol Region. Location of said CAAQMS shall be decided in consultation with the regional officer, Ahmedabad	<b>Narol Ind Asso. GPCB-RO Vatva</b>	<ul style="list-style-type: none"> <li>• No progress noticed. NTIEM, Narol was once again directed to expedite the work related to install of continuous ambient air quality monitoring station (CAAQMS) in Narol area.</li> </ul>

	(EAST).		
13	NTIEM shall expeditiously complete the pending work and start receiving wastewater in the CETP within one month time.	<b>Narol Ind Asso.</b>	<ul style="list-style-type: none"> <li>• CETP- NTIEM, Narol is already commissioned and at present is under stabilization stage.</li> </ul>
14	While applying for CTE for new unit/Expansion the unit shall have to submit certificates from the CETP. Clearly showing (i) The total wastewater quality booked so far. (ii)Wastewater quality for which membership is given. (iii) organic load in wastewater to be received from the units and (iiii) spare available capacity after booking given to the unit	<b>CETP of Vatva &amp; Narol</b>	<ul style="list-style-type: none"> <li>• It is taken in consideration and followed by all the CETP operators.</li> </ul>
15	Industries associations shall carry out monitoring/sampling and calculate CEPI Score on monthly basis	<b>Ind, Asso. &amp; CETPs : Vatva &amp; Narol</b>	<p><b><u>Vatva and Narol:</u></b></p> <ul style="list-style-type: none"> <li>• Industries association have carried out the last CEPI monitoring through Bhagvathi Ana Labs Pvt. Ltd. in January-2018 for Vatva-Narol area and has submitted the calculated CEPI score to be 45.209. This indicates that CEPI Score is reduced compared to 2016 (54.20) and 2013 (83.44).</li> </ul>
16	Industries associations shall carry out comprehensive health study through a credible agency like NIOH at intervals of 5 years.	<b>Ind, Asso. &amp; CETPs : Vatva &amp; Narol</b>	<p><b><u>Vatva and Narol:</u></b></p> <ul style="list-style-type: none"> <li>• It was represented that for Vatva- Narol area a health study was already carried out in 2013 by PARIKSHANA, Hyderabad and now next study will be carried out in 2018. Both the Industries associations are directed to submit its compliance report.</li> </ul>
17	GPCB shall make representation to the MoEF & CC and CPCB for division of single CPA cluster of Vatva-Narol into two different clusters of Narol and Vatva.	GPCB-Ahmedabad unit	<ul style="list-style-type: none"> <li>• No progress in this regards made.</li> </ul>