



No. Q-16016/159/2017-CPA  
Government of India  
Ministry of Environment, Forest & Climate Change  
(CP Division)  
\*\*\*\*\*

Indira Paryavaran Bhawan,  
Jor Bagh Road, New Delhi – 110023

Dated : April 5, 2018

To

The Chairman  
Central Pollution Control Board  
Parivesh Bhawan  
East Arjun nagar  
Delhi – 110032

Sir,

Please find enclosed a copy of the public complaint dated 9.7.2017 from Shri M.S.H. Sheikh, P.O. OLAPD, Gujarat regarding non-existence of CETP/FETP and Guard Pond at Jhagadia GIDC Estate. The complaint may please be examined and CPCB along with GPCB may initiate corrective measures.

Thanking you,

Yours faithfully,

Encl. As above.

*ASV*  
(Dr.A.Senthil Vel)  
Adviser/Scientist 'G'  
Tel. 24695339

AD(ACR)  
RD (V)

AAGV  
10/4/18

*05/60944*



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**Subject: Fwd: About Jhagadia GIDC Estate and Its chemical effluent issue.**

To: Secretary MOEFCC <secy-moef@nic.in>,  
 CPCB Chairman Delhi <ccb.cpcb@nic.in>  
 Cc: mscb.cpcb@nic.in, rmbhardwaj@gmail.com, ajayagarwal.cpcb@nic.in,  
 gurnamsingh.cpcb@nic.in,  
 Soni ABHEY SINGH <abheysoni@gmail.com>, ram.jindal@nic.in,  
 IA 3 MOEFCC <mefcc.ia3@gmail.com>,  
 PS to Minister of EFCC <ps2mefcc@gov.in>, akmehta@nic.in,  
 hota@nic.in, s.kumar1958@gov.in, shruti.rai@nic.in,  
 shard.sapra@nic.in

Date: 09/07/17 05:30 PM

From: MSH SHEIKH <mshsheikh@gmail.com>

To,  
 1) Secretary,  
 MOEFCC,  
 2) Chairman,  
 Central Pollution Control Board.

on file p/s  
 fwd ✓  
 08.07.17  
 Cr.n.3.)  
 So (CPA)

**Sub:About water pollution issues of Ankleshwar, A subsea pipeline operating without any CETP/FETP in Jhagadiya GIDC estate and NCTL pipeline project.**

Ref: The GIDC has permitted small scale chemical units in Jhagadia Estate without water pollution control facilities and infrastructure disposing 8-10 MLD of effluent in to direct Gulf of Cambay.

Respected Sir,

The NCTL Ankleshwar is treating the effluent of GIDC of Ankleshwar, Panoli Estate with Final Effluent Treatment Plant and Sub sea disposal system at Kantiyajal. The effluent generated from this both Estate are being treated at NCTL FETP at Ankleshwar without fully complying the marine disposal norms.

There are presently new pipeline conveyance system established for the sub sea disposal of the effluent generated from the GIDC Jhagadiya estate without any treatment facility in between. The GIDC has approved the operation of small scale chemical industrial units with high pollution load inside the Jhagadia GIDC Estate without any CETP, At present 10 MLD of effluent is being generated from the industrial units and disposed off in to the direct sea without any CETP or FETP treatment. This is highly unacceptable in present context when the common waste water treatment facilities eg CETP/ FETP in the region are not complying the disposal norms based on the chemical industry. This pipeline without any kind of CETP / FETP is in violation of the basic fundamental of common treatment having high chemical pollution load. The present pipeline disposal may have harmful effects on the marine areas, coastal areas, Gulf of Cambay and Narmada Estuary. We are aware that most of the South Gujarat coastline is facing critical problem of low fish catch and coastal and marine resources depletion. More than 20 commercial species have been disappeared in last 3 decades from the South Gujarat coast. The fisherman have to venture deep in side the sea for getting regular catch. Chemical base treated effluent is harming the coastal environment with slow but sharp long term irreversible effects. The toxicity test and bio assay test is not carried out regularly by the GPCB and other third party agencies. We emphasize on COD and Ammonical Nitrogen but we are omitting heavy metals and toxicants present in the treated waste water. In this scenario the present pipeline without any CETP/FETP is matter of worry for the environment and ecology of Gulf of Cambay and Narmada Estuary.

We have the experience of BEAIL/NCTL and Dahej CETP/FETP which took more than 7-10 years to come in existence after either court order or public protest. The CPCB/GPCB/MOEFCC should be proactive and provide such infrastructure simultaneously with the development of chemical estate to facilitate the chemical units.

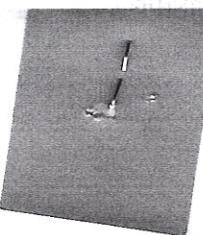
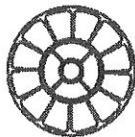
I humbly request to the CPCB/MOEFCC to initiate action to establish common CETP/FETP at earliest till than there should be an interim treatment facility established or hold the further expansion of chemical units having high chemical pollution load in Jhagadia GIDC.

Thanking you and hoping for action to protect the environment.

9/8/2017

[https://mail.gov.in/lwc\\_static/layout/shell.html?lang=en&3.0.1.2.0\\_15121607](https://mail.gov.in/lwc_static/layout/shell.html?lang=en&3.0.1.2.0_15121607)

Yours Faithfully,  
MSH Sheikh.  
BWRC Kasba Mohalla At&Po OLAPD 394540  
Surat  
09825546017.



# NARMADA PRADUSAN NIVARAN SAMITEE

There are violation after violation of the norms taking place and GPCB is just holding hand and doing nothing despite we as a citizen opening the eyes of the GPCB.

Sir, may we remind you that the funds for the above environment protection and mitigation projects are also provided from the Public Money up to 50 to 60% through various routes which is all well known to all. Despite Public money involved which is also a question to be addressed, we are sorry to say that the situation is going out of control by a statutory authority. We also need to remind you that the earlier Ankleshwar pipeline project is also not functioning as per the norms **despite FETP** and now this Jhaghadia pipeline is started **without FETP** and without conducting Hydrotest of pipe line. This is surely going to make the condition much worse.

**For example we want to draw your kind attention as under:**

1. After getting judgement from Hon'ble High Court for our PIL No. 4473/1997, GPCB had strengthen the outlet norms of COD for individual member industries from 250 mg/lit to 100 mg/lit. Despite that since inception, NCTL never meets the outlet norms of COD and Ammoniacal Nitrogen. It is very surprising to know that instead of strengthening the norms further, recently GPCB has relaxed the outlet norms of COD for



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## NARMADA PRADUSAN NIVARAN SAMITEE

(By RPAD)

Date: 19.09.2017

To,  
✓ Chairman,  
Gujarat Pollution Control Board  
Paryvaran Bhavan,  
Sector-10A,  
Gandhinagar

We have file in  
this, pos put up  
to  
19.09.2017  
SO(S.P.A)  
R. 2017  
msw

### REMINDER

**Sub: Pollution mitigation and Expansion in Jhagadia Industrial Estate due to commissioning of new pipeline – without FETP**

Respected Sir,

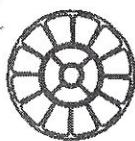
This has reference to our letter dated 09.08.2017 on the subject issue.

We keenly awaited response from your end on above letter of ours (**NARMADA PRADUSAN NIVARAN SAMITI**) highlighting a very serious matter of grave concern. Copy of our earlier letter dated 09.08.2017 is again enclosed for your ready reference.

We had in our letter dated 9.8.2017 raised six pertinent issue which needs to be addressed before proceeding further in the matter for any kind of activity to take place in the region/area.

Main Office : C/o CESCOM - 25-B, Gokul Nagar Society  
Opp. ONGC Main Gate, Makarpura Road,  
Vadodara. 0265-2653537

O/o Director (RNJ)/CP  
Dy. No. D-126882  
Date 21/09/17



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## NARMADA PRADUSAN NIVARAN SAMITEE

Sir, let us respectfully remind you that this will be our **last letter of Reminder** and if there is no clear response from your side within a month from above date of this letter on the above matter of very serious nature which are raised and highlighted, we will move the Higher authorities (Court , NGT).

Thanking you,

Your sincerely,

**For Narmada Prudashan Nivaran Sammittee**

  
Jayesh Patel

**Secretary**

CC:

1. Chairman, CPCB - Parives Bhavan, East Arjun Nagar – Shadara, New Delhi-110032
2. Add. Chief Secretary, Forest & Environment Dept., Block no. 14, 8<sup>th</sup> floor, Sachivalay, Gandhinagar
3. Addl. Principal Chief Conservator of Forest (C), MoEFCC, Regional OFFICE(WCZ) ground floor, East wing, New Secretarial Building, Civil line, Nagpur-440001.
4. R.N.Jindal, Director, Govt. of India, MoEFCC (CP division), V-204, Vayu wing, Indira Paryavaran Bhavan, Jorbagh Road, New Delhi- 110003
5. Zonal Officer, CPCB, Parives Bhavan, Atmajyoti Ashram Road, Opp. VMC ward Office No.10, Subhanpura, Vadodara



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## NARMADA PRADUSAN NIVARAN SAMITEE

individual member industries from 100 mg/lit to 1000 mg/lit and definitely it will increase the outlet norms of NCTL further.

2. We come to know the result of online TOC meter at Booster pumping station, Kantiyajal dated 13.09.2017 indicating the TOC value as much as high more than 950 mg/lit. Obviously in any FETP or CETP always COD value is min. 2.5 times of the TOC value. Accordingly, the value of COD in discharge effluent of the NCTL at booster pumping station is in the range of minimum of 2300 mg/lit against the revised discharge norms of 500 mg/lit. for the particular day. This is just one example of the alarming situation.
3. Earlier 9 to 10 MLD flow of Jhagadia Industrial Estate was being conveyed through Ankleshwar NCTL - FETP after monitoring and treatment. Now this effluent is being conveyed directly without FETP through long pipeline into sea.

Sir, We had put full faith in your leadership and were quite hopeful, but an acknowledgement to our letter seems a distant dream. The accountability will be therefore of the GPCB and its officials who are not adhering the laid-out laws and norms to be strictly followed under all circumstances. This chaltahai attitude must go now.....



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## NARMADA PRADUSAN NIVARAN SAMITEE

before discharging the effluent in the pipeline, CETP (common effluent treatment plant) should be made at Jhagadia as the outlet norms of the effluent of industries of Jhagadia Estate is not matching with the norms laid down by GPCB. GPCB has not bothered to give reply to our communication and therefore is party to violation of the norms and is not standing for the cause for which the body (GPCB) should function. Before commissioning of this new pipeline of Jhagadia - Kantiyajal, the effluent of Jhagadia Estate was received at FETP, Ankleshwar and then conveyed to sea through pipeline but now it is going directly to sea without giving final treatment at Jhagadia.

Before solving the above problem, it is understood that, GPCB is in further planning to issue expansion in CCA to existing industries and CCA to new industries. Thus, making mockery of the whole system of environment which will have far reaching outcome in the days to come and for the future generation. GPCB's attitude is therefore surprising and their accountability is being Questionable. We therefore would like to request GPCB to take the matter seriously.

we highlight our major concern to GPCB as under to act immediately before issuing CCA to new industries or CCA for expansion to existing industries.

1. Full-fledged FETP should be built up at Jhagadia to meet the outlet norms as laid down by GPCB or other statutory bodies before conveying the effluent in pipeline otherwise the pollution shall be transferred from one place to another place because at present the norms of effluent being conveyed is not matching with the outlet norms. This issue was repeatedly highlighted to GPCB since beginning of this project, but no action has been initiated in this regard.
2. As mentioned above, at present 9 to 10 MLD flow is being conveyed through new pipeline from Jhagadia to Kantiyajal. But it is known to all that after completion,

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Ph : 02646-247907 Fax : 02646 - 251918 E-mail : nonsau@rediffmail.com



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## NARMADA PRADUSAN NIVARAN SAMITEE

(By RPAD)

Date: 09.08.2017

To,  
✓ Chairman,  
Gujarat Pollution Control Board  
Paryvaran Bhavan,  
Sector-10A,  
Gandhinagar

**Sub: Pollution mitigation and Expansion in Jhagadia Industrial Estate due to commissioning of new pipeline**

Respected Sir,

"Narmada Prudashan Nivaran Sammittee" is very seriously concerned about the pollution spread by the industries in nearby open creek, river of this area. On filing PIL by us in 1997 in Hon'ble Gujarat High Court, the pipeline project along with FETP came to an existence in the year 2000-2006. But we regret to state that since commissioning of the project, FETP has never met the outlet norms as laid down by GPCB / MoEF specially w.r.t. COD and Ammoniacal Nitrogen. This is known to all Govt. Statutory bodies. But the authorities had not taken any action so far (GPCB /CPCB as a statutory body is responsible for this but seems to be ignoring and sleeping).

Despite above, we have come to know that the new pipeline from Jhagadia to Kantiyajal which is in operation since last one year with the CCA quantity of Jhagadia @ 9 to 10 MLD. In this regard, we had made many communications to GPCB that

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## NARMADA PRADUSAN NIVARAN SAMITEE

Recently, in this monsoon industrial effluent from Jhagadia Estate drained in the nearby natural creek namely Amravati river, the issue was highlighted in newspapers also. This is matter of great concern for the region.

We hope as a statutory body for the prevention of Pollution which is becoming a concern day by day world over, sensibility should prevail in the GPCB to prevent repetition of such grave occurrence. We, therefore seriously and earnestly insist on the above points to be fulfilled by Jhagadia Estate and GPCB should confirm the same before issuing any expansion in CCA to existing industries or new CCA in Jhagadia Estate.

**Sir, We are quite hopeful and have faith under your leadership that the above highlighted issues would be accorded top most priority.**

We look up to you sir, and hope would not be disappointed by GPCB under your leadership and would not be pushed further to take this matter to Higher authorities or as a last resort to defend the case through any court of law.

Thanking you,

Your sincerely,

For Narmada Prudashan Nivaran Sammittee

*J.N.Patel*  
Jayesh Patel

Secretary

c.c.: Zonal Officer, CPCB, Parives Bhavan, Atmajyoti Ashram Road,  
Opp. VMC ward Office No.10,

Subhanpura, Vadodara

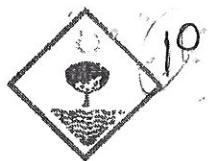
- For your kind information and needful action in  
the matter

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Ph : 02646-247907 Fax : 02646-251919 E-mail : [jayeshpatel2000@gmail.com](mailto:jayeshpatel2000@gmail.com)



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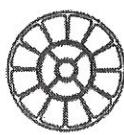
# NARMADA PRADUSAN NIVARAN SAMITEE

line has been commissioned by NCT without hydrotest under the political pressure of Jhagadia Industrial Estate to get the additional CCA at the earliest. In this regard, it is our kind request to GPCB that please ensure through evidence about the hydrotest of entire pipeline before issuing CCA for expansion to existing industries and /or CCA to new industries enabling to protect the environment from liquid pollution which is at present major headache in this area.

3. At present Monitoring of the industries of Jhagadia Estate is being done by the interested parties only which cannot be allowed under any circumstances. Proper monitoring should be done by statutory body only to get the desired results. Proper online monitoring system should be developed and shall be displayed in the estate for better transparency.
4. We have also come to know that in Jhagadia Estate big plot owner are getting permission from GIDC for sub plotting and selling small-small plots to small industries. Now when these industries will come in to operation, our question is where will their effluent be treated? One common ETP like Ankleshwar and Panoli needs to be established at Jhagadia before issuing CCA to these industries.
5. Industries should be asked to provide guard ponds of 48 hours capacity to store the treated effluent in case of emergency. Our demand for FETP before directly discharging the effluent can also serve the purpose of storage of effluent. In future if there is breakage/ leakage of effluent pipe line, FETP and guard pond can store the effluent. This is a must for preventing of pollution in the region to spread under such exigencies.
6. On line pH meter and COD meter should be installed at various locations in pipe line project. The results should be displayed at public locations. At the same place

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## NARMADA PRADUSAN NIVARAN SAMITEE

2. We have studied the certificate submitted by NCTL to Board and came to know that only flow trial has been taken of the entire pipeline. We are again and again asking Board to check about the hydro test certificate which is very much the system prevailing. It is general practice to complete the hydro test at desired pressure before taking it in usage. Here in this case, length of the pipeline is 61 km and effluent is being transported so in that case practical hydro test and its real certificate is to be verified by the Board before giving permission to operate the new pipeline.

This is another Violation by the Board. Board has to be more and more strict. On the contrary it has been noticed it is become a relaxing agency which is not at all desirable from the authorities.

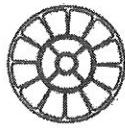
3. Noted. Please let us know who all are they and have they installed are yet to install. As your letter states they are installing.

4. We submit that, no sub plotting should be or has to be approved in Jhagadia.

5. We agree that you have provided in CCA, but we have verified that NCTL has not provided 72 hours guard pond. Therefore GPCB should have checked it and also for the individual units before giving permission to operate this pipeline. How the permission was granted before fulfillment of the condition mentioned in CCA. This is also a major violation by regulatory authority GPCB itself.

6. As mentioned in your letter, that industry has violated the discharge norms and then notice issued to NCTL in FEB., 2016, What was the final outcome of these mere notices ? Can you please elaborate and provide the action taken against the violating industries ?

We regret to say that in this monsoon of 2017 many member units had discharged their effluent in open creek and the Pollution Board was mere spectators. Various Channels and Newspapers had also highlighted the same but GPCB, the prime agency seems to be deliberately silent on it (or just issue mere notices eyewash ) without any action. If such situation remains the story will keep repeating every year. Is this GPCB meant for?



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# NARMADA PRADUSAN NIVARAN SAMITEE

To,

Date: 01/01/2018

Chairman,

Gujarat Pollution Control Board

Paryavaran Bhavan

Sector 10 A

Gandhinagar -382010

**SUB: Jahgadia Pipeline commissioning ---**

Ref: Our letters : dated 9/8/17 and 19/9/17

Your reply :GPCB/ANK/CCA-1835/ID-28312/29509/430391 dated 13.12.2017

**Respected Sir,**

This refers to your letter No GPCB/ANK/CCA-1835/ID-28312/29509/430391 dated 13.12.2017. We had raised some issues vide our letter dated 9/8/17 and 19/9/2017 which has been replied by your office very late and the reply is raising more doubts and suspicion.

We are highly disappointed by your casual reply and based on our observations point wise comment is as under.

1. As stated by yourself, Board has granted CCA to NCTL ( Jhagadia Pipeline Project) with a condition to provide finishing effluent treatment plant at Jhagadia. Please make a note that there is no FETP available /present at GIDC, Jhagadia. Under the circumstances, the Board allows to violate its own norms stipulated in CCA. The Board cannot permit to convey the effluent directly to pipeline and subsequent to deep into the sea. This is sheer violation by Board itself .The FETP should be first in place before anything else and the quality cannot be ensured without it. The board should revoke the consent. If any industry defies the condition of consent, the closure order is issued and legal proceedings are initiated. Here NCTL has committed breach of major condition and even though no actions are being taken. It seems you are forcing us to approach NGT for reprisal of our grievances.

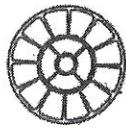
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## NARMADA PRADUSAN NIVARAN SAMITEE

7. Since the above norms were not maintained nor willing to do so the Industry must have lobbied and got the norms relaxed from MOEF by a whopping 1000% from 100mg/lt to 1000 mg/lit. Is this what is called "**CLEAN GUJARAT GREEN GUJARAT**" or it is mere slogan to make people and society mockery. Where is the **Precautionary Principle** established by Hon. Supreme Court of India ?

Can we have the copy of the MOEF notification, wherein the norms are relaxed for individual industry etc.

We strongly condemn this relaxation if at all issued and put our strong protest to roll it back if done so.

8. You only have mentioned in your above referred letter that Board had issued so many notices to NCTL for improvements and in turn NCTL also submitted the action plan for fulfilment of the desired parameters in discharged effluent, which shows that at present outlet discharge parameters are not meet as per the norms prescribed by Board, under the circumstances, if operation of Jhagadia pipeline is given without FETP it is clear cut Violation to which GPCB is also a party.

9. This Point is already covered at Point no 1 .Board cannot grant the CCA to NCTL, Jhagadia without FETP when you have categorically mentioned in your CCA. This is a serious point to be noted by yourself.

Had the Board done its duty and monitored all the ongoing things in the rightful way and as an obedient body, we as a watchful citizen would not have taken so much pain to bring this issue to bother you and bring the big and gigantic anomalies visible which is not seen by a Body ment for the taking action for same with all power and expertise and experience at you hand

Under the above circumstances, our immediate request to the Board for Jhagadia Pipeline is as under:

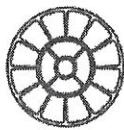
1. Hydro test of the entire pipeline is required as per desired pressure.
2. FETP is required as mentioned in CCA issued to NCTL
3. 72 hours guard pond is required at NCTL, Jhagadia and individual member units who are going to discharge effluent in new pipeline.

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## NARMADA PRADUSAN NIVARAN SAMITEE

It is requested to Board that till fulfillment of above points,

1. Board should revoke the consent.
2. Existing members who are having valid CCA should be directed to convey their treated effluent through Ankleshwar FETP only instead of the new pipeline.
3. No CCA permission to new industries and / expansion to existing Industries shall be given.
4. Board cannot relax the discharge COD norms from 100 to 1000 mg /lit till fulfillment of above requirement.

From your letter it can be understood that The Board itself has confessed Violating its own norms which are meant for the betterment of our living conditions and for the safeguard of ecology and environment which is becoming a major threat to living conditions all over.

We once again would like to inform you that we have reposed full faith in Board. When we hear such incidents it gives us a feeling that the situation is going out of control day by day and the Guardian of the same needs to be more careful and responsible for such negligence and should bring the officers Violating such norms to stringent punishment.

We anticipate full fledge fast action on this serious matter by Board and hope there will be definitely concrete and immediate action towards the above points enabling to save / control the abating pollution

Failing to hear from your end in next 15 to 20 days time , unwillingly we will have to highlight this issue / approach the legal masters for the much needed action in the matter.

With regards

  
Jayesh Patel

Secretary,

NARMADA PRADUSAN NIVARAN SAMITI

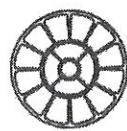
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# NARMADA PRADUSAN NIVARAN SAMITEE

CC To :

1. Chairman, CPCB- Parives Bhavan, East Arjun Nagar- Shadara, New Delhi-110032
2. The Add. Chief Secretary, Forest & Environment Dept, Blok No. 14, 8<sup>th</sup> Floor,  
Sachivalay Gandhinagar.
3. The Addl. Principal Chief Conservator Of Forest (C). Moefcc, Regional Office (WCZ)  
Ground Floor, East Wing, New Secretarial Buliding, Civil Line, Nagpur-440001
4. Shree R.N. Jindal Director, Govt. Of India, Moefcc (Cp Division), V-204, Vayu Wing  
Indira Paryavaram Bhavan, Jorbagh Road , New Delhi-110003.
5. Shri B.R. Naidu , Regional Director, Parvish Bhawan Near Ward Office No-10  
Sunbhanpura, Vadodara-390023, With Respect To Your No: Zow / Tech-  
305/pc/Gen/2017-18/ 373 Dated 04/10/2017

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Main Office : C/o CESCOM - 25-B, Gokul Nagar Society  
Opp. ONGC Main Gate, Makarpura Road,  
Vadodara. 0265-2653537

Branch Office : All Correspondence C/o. Jayesh Patel, Borwadi Diva Road, Ankleshwar- 393001, (Guj.)  
Ph.: 02646-247907 Fax : 02646 - 251918 E-mail : npnsguj@rediffmail.com

Branch Office : C/o Harshad Patel At 9 Dant Nivas, Dist. 9 Th. Devali, Guj. 393005





## 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](http://www.gpcb.gov.in)

By R.P.A.D.

NO: GPCB/ANK/CCA-1835/ID-28312/ 29509/ 430391

DT: 13/12/17

To,  
SHRI JAYESH PATEL,  
SECRETARY,  
NARMADA PRADUSAN NIVARAN SAMITI,  
BORWADI DIVA ROAD,  
ANKLESHWAR - 393001.

Sub: Pollution mitigation and expansion in Jhagadia industrial Estate due to commissioning  
of new pipeline-Reg.

Ref: (1) Your letters dated 9/8/2017 and 19/9/2017.

Sir,

Jhagadia pipeline project is for conveying treated industrial effluent from Jhagadia GIDC to booster pumping station at Katiyajal and then discharged into deep sea. Board is regularly monitoring the quality of waste water being discharged through this pipe line. As per GPCB record of last six months BOD, COD, NH<sub>3</sub> and all other parameters are within permissible limit specified by board.

**Detailed point wise reply to your letter under reference are as follow.**

- (1) Board has granted CCA to NCTL (Jhagadia pipe line project) with a condition to provide finishing final effluent treatment plant at GIDC Jhagadia. At present as per GPCB record of last six months Quality of waste water being discharged is within permissible limit specified in their CCA.
- (2) NCTL (JPP) has submitted certificate from chartered engineer about final flow trial without any defects. In this pipe line only NCTL (JPP) member units are allowed to discharge their waste water as per their CCA conditions.
- (3) GPCB Officials is regularly carrying out monitoring of industries situated in GIDC Jhagadia estate and final discharge point of pipe line at regular interval. As per CPCB criteria applicable industries falling under 17 categories are installing online monitoring system.
- (4) So far such proposal for sub-plotting is not received by this board. However, Board has already specified the condition in consent to operate granted to NCTL for providing finishing final ETP at Jhagadia Industrial Estate in CCA.
- (5) Board has issued CCA to all CETP member units & this NCTL (JPP) to provide impervious tank / impervious guard ponds to hold effluent for at least 72 hours in case of maintenance or any other unforeseen circumstances.
- (6) NCTL (JPP) has provided TOC meter, pH meter and flow meter. Board has issued notice of direction under water act to all the industries of Jhagadia on Feb- 2016 for discharging treated w/w to pipe line only Unit shall not discharge treated waste water to out side premises to any natural drain or river or pond. However, if any unit found discharging waste water to other than pipeline, Board is taking action under water act 1974.
- (7) Board has amended the FETP member's outlet norms of COD from 100 mg/lit to 1000 mg/lit as per the FEPT inlet norms and the notification by MOEF for marine norms.



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- (8) Board and FETP are regularly monitoring the outlet of FETP. Board has already issued notice of direction under water act on 23-06-17, 13-02-17 for not maintaining prescribed discharge norms. Board had also issued SCN on 06-05-17, 01-10-16 for not maintaining prescribed discharge norms. Board had issued direction under section 33-A water ace upgrade the FETP on 23-06-17. In CETP action plan up gradation of FETP was also one of the action points. NCTL has already taken technical assistance from NEERI-Nagpur for the up gradation of CETP (FETP).
- (9) Board has granted CCA to NCTL (Jhagadia pipe line project) with a condition to provide finishing final effluent treatment plant at GIDC Jhagadia. At present as per limit specified in their CCA.

Board is also regularly monitoring the industries of Jhagadia estate and keeping watch over industrial units. Moreover board also issue SCN, Notice, Clouse, Direction to the defaults industries as and when industrial unit is found with flouting norms.

This letter is issued with the approval of competent authority

For and on behalf of  
GUJARAT POLLUTION CONTROL BOARD

  
(G.H. TRIVEDI)  
SR. ENVIRONMENT ENGINEER

7574827422

Copy To:-

1. SHRI B.R. NAIDU, Regional Director, Parviesh Bhawan, Near Ward Office No-10, Subhanpura, Vadodara-390023, with respect to your letter no: ZOW/Tech-305/PC/Gen/2017-18/373 dated 4/10/2017.





केन्द्रीय प्रदूषण नियंत्रण बोर्ड  
CENTRAL POLLUTION CONTROL BOARD  
(पर्यावरण, वन एवं जलवायु परिवर्तन, भारत सरकार)  
(MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE, GOVT. OF INDIA)

ZOW/Tech-305/PC/GEN/2017-18/498

28 December, 2017

To

Sh. R. N. Jindal  
Director (S)  
Ministry of Environment, Forest and Climate Change  
CP – Division  
2<sup>nd</sup> Floor, Vayu Wing, IPB  
Jorbagh Road, New Delhi – 110003

Subject: Water Pollution at Jhagadia Industrial Estate: Suggestion for another CETP  
regarding

Ref: MoEF&CC letters dated 13/09/2017, 27/10/2017 & 12/12/2017

Sir,

Please find enclosed herewith the reply sent by Gujarat Pollution Control Board (GPCB) regarding conveying of treated industrial effluent from Jhagadia GIDC through Jhagadia Pipe line project (NCTL) and disposal of effluent to deep sea, for your perusal.

Thanking you,

Enclosure as above

Yours faithfully,

(B. R. Naidu)  
Regional Director

*an f. de w*  
*8/1/2018*  
*01/01/2018*  
*gol (CRA)*





# 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](http://www.gpcb.gov.in)

✓ 36

By R.P.A.D.

NO: GPCB/ANK/CCA-1835/ID-28312 / 29509 / 30389

DT: 13/12/17

To,

SHRI MSH SHEIKH,  
BWRC KASBA MOHALLA,  
AT & PO- OLARD - 394540,  
DIST- SURAT.

के.प्र.नि.वॉ./C.P.C.B.

आवाक संख्या/Inward No.: 2173

दिनांक/ Date : 26.12.17

Sub: Jhagadia pipeline operating without any CETP in Jhagadia GIDC Estate.

Ref: (1) Your e-mail dated 07/09/2017.

Sir,

Jhagadia pipeline project is for conveying treated industrial effluent from Jhagadia GIDC to booster pumping station at katiyajal and then discharged in to deep sea. Board has granted CCA to NCTL (Jhagadia pipe line project) with a condition to provide finishing final effluent treatment plant at GIDC Jhagadia. Board is regularly monitoring the quality of waste water being discharged through this pipe line. At present as per GPCB record of last six months Quality of waste water being discharged is within permissible limit specified in their CCA.

Board is also regularly monitoring the industries of Jhagadia estate and keeping watch over industrial units. Moreover board also issue SCN, Notice, Clouse, Direction to the defaults industries as and when industrial unit is found with flouting norms.

This letter is issued with the approval of competent authority

For and on behalf of  
GUJARAT POLLUTION CONTROL BOARD

(G.H.TRIVEDI)

SR. ENVIRONMENT ENGINEER

*Copy To:-*

- Dy. Director (S), Ministry of Environment, Forest & Climate Change (CP DIVISION), V - 204, VAYU WING, INDIRA PARYAVARAN BHAWAN, JORBAGH ROAD, NEW DELHI - 110003. With reference to your letter no. Q - 16016/159/2017 - CPA dated 13/09/2017.
2. MR. AJAY AGGARWAL, AD. & DH, IPC - VII, CENTRAL POLLUTION CONTROL BOARD, PARIVESH BHAWAN, EAST ARJUN NAGAR, DELHI- 110032: With reference to your letter no. CPCB/IPC - VII/CETP/2017/11019 dated 20/09/2017.
3. MR. B.R.Naidu, ZONAL OFFICER, CENTRAL POLLUTION CONTROL BOARD, PARIVESH BHAWAN, NEAR WARD OFFICE NO. - 10, SUBHĀNPURA, VADODARA- 390023.

**Clean Gujarat Green Gujarat**

ISO-9001-2008 & ISO-14001 - 2004 Certified Organisation



मा.का.नि. सं. 446(अ), तारीख 13 जून, 2011; सा.का.नि. सं. 152(अ), तारीख 16 मार्च, 2012; सा.का.नि. सं. 266(अ), तारीख 30 मार्च, 2012; सा.का.नि. सं. 277(अ), तारीख 31 मार्च, 2012; सा.का.नि. सं. 820(अ), तारीख 9 नवंबर, 2012; सा.का.नि. सं. 176(अ), तारीख 18 मार्च, 2013; सा.का.नि. सं. 535(अ), तारीख 7 अगस्त, 2013; सा.का.नि. सं. 771(अ), तारीख 11 दिसंबर, 2013; सा.का.नि. सं. 2(अ), तारीख 2 जनवरी, 2014; सा.का.नि. सं. 229(अ), तारीख 28 मार्च, 2014; सा.का.नि. सं. 232(अ), तारीख 31 मार्च, 2014; सा.का.नि. सं. 325(अ), तारीख 7 मई, 2014; सा.का.नि. सं. 612(अ), तारीख 25 अगस्त, 2014; सा.का.नि. सं. 789(अ), तारीख 11 नवंबर, 2014; और अंत में अधिसूचना का.आ. सं. 3305(अ), तारीख 7 दिसंबर, 2015 द्वारा संशोधन किए गए थे।

**MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE  
NOTIFICATION**

New Delhi, the 1st January, 2016

**S.O. 4(E).**—In exercise of the powers conferred by sections 6 and 25 of the Environment (Protection) Act, 1986 (29 of 1986), the Central Government hereby makes the following rules further to amend the Environment (Protection) Rules, 1986, namely:—

1. **Short title and Commencement.**—(1) These rules may be called the Environment (Protection) Amendment Rules, 2015.  
 (2) They shall come into force on the date of their publication in the Official Gazette.
2. In the Environment (Protection) Rules, 1986, in Schedule-I,—
  - (a) the serial number 41 and the entries relating thereto, shall be omitted;
  - (b) for serial number 55 and the entries relating thereto, the following serial number and entries shall be substituted, namely:—

S. No.	Industry	Parameter	Standards		
(1)	(2)	(3)	(4)		
“55.	Common Effluent Treatment Plants(CETP)				
	A. Inlet Quality Standards	For each Common Effluent Treatment Plant (CETP), the State Board will prescribe Inlet Quality Standards for General Parameters, Ammonical-Nitrogen and Heavy metals as per design of the Common Effluent Treatment Plant (CETP) and local needs & conditions.			
	B: Treated Effluent Quality Standards		Max. permissible values (in milligram/litre except for pH and Temperature)		
			Into inland surface water	On land for irrigation	Into sea
	General Parameters				
	pH	6 - 9	6 - 9	6 - 9	
	Biological Oxygen Demand, BOD <sub>3</sub> , 27 °C	30	100	100 *	
	Chemical Oxygen Demand (COD)	250	250	250 *	
	Total Suspended Solids (TSS)	100	100	100	
	Fixed Dissolved Solids (FDS)	2100*	2100*	NS*	

<b>Specific parameters</b>				
Temperature, °C		Shall not exceed more than 5°C above ambient water temperature	Shall not exceed more than 5°C above ambient water temperature	Shall not exceed more than 5°C above ambient water temperature
Oil & Grease	10	10	10	
Ammonical -Nitrogen	50	NS*	50	
Total Kjeldahl Nitrogen (TKN)	50	NS*	50	
Nitrate- Nitrogen	10	NS*	50	
Phosphates, as P	5	NS*	NS*	
Chlorides	1000	1000	NS*	
Sulphates, as SO <sub>4</sub>	1000	1000	NS*	
Flouride	2	2	15	
Sulphides, as S	2	2	5	
Phenolic compounds (as C <sub>6</sub> H <sub>5</sub> OH)	1	1	5	
Total Res. Chlorine	1	1	1	
Zinc	5	15	15	
Iron	3	3	3	
Copper	3	3	3	
Trivalent Chromium	2	2	2	
Manganese	2	NS*	2	
Nickel	3	NS*	3	
Arsenic	0.2	NS*	0.2	
Cyanide, as CN	0.2	NS*	0.2	
Vanadium	0.2	NS*	0.2	
Lead	0.1	NS*	0.1	
Hexavalent Chromium	0.1	NS*	0.1	
Selenium	0.05	NS*	0.05	
Cadmium	0.05	NS*	0.05	
Mercury	0.01	NS*	0.01	
Bio-assay test	As per industry-specific standards	As per industry-specific standards	As per industry-specific standards	

\* NS-Not specified

**Notes:**

- Discharge of treated effluent into sea shall be through proper marine outfall. The existing shore discharges shall be converted to marine outfalls. In cases where the marine outfall provides a minimum initial dilution of 150 times at the point of discharge and a minimum dilution of 1500 times at a point 100 m away from discharge point, then, the State Board may relax the Chemical Oxygen Demand (COD) limit:

	<p>Provided that the maximum permissible value for Chemical Oxygen Demand (COD) in treated effluent shall be 500 milligram/litre.</p> <p>2. Maximum permissible Fixed Dissolved Solids (FDS) contribution by constituent units of a Common Effluent Treatment Plant (CETP) shall be 1000 milligram/litre. In cases where Fixed Dissolved Solids (FDS) concentration in raw water used by the constituent units is already high (i.e. it is more than 1100 milligram/litre) then the maximum permissible value for Fixed Dissolved Solids (FDS) in treated effluent shall be accordingly modified by the State Board.</p> <p>3. In case of discharge of treated effluent on land for irrigation, the impact on soil and groundwater quality shall be monitored twice a year (pre- and post-monsoon) by Common Effluent Treatment Plants (CETP) management. For combined discharge of treated effluent and sewage on land for irrigation, the mixing ratio with sewage shall be prescribed by State Board.</p>
4. Specific parameters for some important sectors, selected from sector-specific standards	
Sector	Specific Parameters
Textile	Bio-assay test, Total Chromium, Sulphide, Phenolic compounds
Electroplating Industries	Oil & Grease, Ammonia-Nitrogen, Nickel, Hexavalent Chromium, Total Chromium, Copper, Zinc, Lead, Iron, Cadmium, Cyanide, Fluorides, Sulphides, Phosphates, Sulphates,
Tanneries	Sulphides, Total Chromium, Oil & Grease, Chlorides
Dye & Dye Intermediate	Oil & Grease, Phenolic compounds, Cadmium, Copper, Manganese, Lead, Mercury, Nickel, Zinc, Hexavalent Chromium, Total Chromium, Bio-assay test, Chlorides, Sulphates,
Organic chemicals manufacturing industry	Oil & Grease, Bio-assay test, Nitrates, Arsenic, Hexavalent Chromium, Total Chromium, Lead, Cyanide, Zinc, Mercury, Copper, Nickel, Phenolic compounds, Sulphides
Pharmaceutical industry	Oil & Grease, Bio-assay test, Mercury, Arsenic, Hexavalent Chromium, Lead, Cyanide, Phenolic compounds, Sulphides, Phosphates.”

[F. No. Q-15017/18/2014-CPW]

Dr. RASHID HASAN, Advisor

**Note-** The principal rules were published in the Gazette of India, Extraordinary, Part II, Section 3, Sub-section (i) *vide* number S.O. 844(E), dated the 19th November, 1986 and subsequently amended *vide* the following notifications:—

S.O. 433(E), dated the 18<sup>th</sup> April 1987; G.S.R. 176(E) dated the 2<sup>nd</sup> April, 1996; G.S.R. 97(E), dated the 18<sup>th</sup> February, 2009; G.S.R. 149(E), dated the 4<sup>th</sup> March, 2009; G.S.R. 543(E), dated the 22<sup>nd</sup> July, 2009; G.S.R. 739(E), dated the 9<sup>th</sup> September, 2010; G.S.R. 809(E), dated the 4<sup>th</sup> October, 2010, G.S.R. 215(E), dated the 15<sup>th</sup> March, 2011; G.S.R. 221(E), dated the 18<sup>th</sup> March, 2011; G.S.R. 354(E), dated the 2<sup>nd</sup> May, 2011; G.S.R. 424(E), dated the 1<sup>st</sup> June, 2011; G.S.R. 446(E), dated the 13<sup>th</sup> June, 2011; G.S.R. 152(E), dated the 16<sup>th</sup> March, 2012; G.S.R. 266(E), dated the 30<sup>th</sup> March, 2012; and G.S.R. 277(E), dated the 31<sup>st</sup> March, 2012; and G.S.R. 820(E), dated the 9<sup>th</sup> November, 2012; G.S.R. 176(E), dated the 18<sup>th</sup> March, 2013; G.S.R. 535(E), dated the 7<sup>th</sup> August, 2013; G.S.R. 771(E), dated the 11<sup>th</sup> December, 2013; G.S.R. 2(E), dated the 2<sup>nd</sup> January, 2014; G.S.R. 229 (E), dated the 28<sup>th</sup> March, 2014; G.S.R. 232(E), dated the 31<sup>st</sup> March, 2014; G.S.R. 325(E), dated the 07<sup>th</sup> May, 2014, G.S.R. 612(E), dated the 25<sup>th</sup> August, 2014; G.S.R. 789(E), dated the 11th November, 2014 and lastly amended *vide* notification S.O. 3305(E), dated the 7th December, 2015.

