



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

Speed post/Email

F. No. B-190194/NGRBA/WQM-II/CPCB/others /2017-18

26.03.2018

To,

Regional Director

Regional Directorate (N)
Central Pollution Control Board
PICUP Bhawan,
Vibhuti Khand, Gomti Nagar
Lucknow - 226 010
Uttar Pradesh

Subject: Re- Inspection of M/s Government Opium & Alkaloid Works, District Gazipur, Uttar Pradesh reg.

Sir,

This is in reference to the compliance direction dated 12-02-2018 (copy enclosed) issued under section 5 of Environment (Protection) Act 1986 to the **M/s Government Opium & Alkaloid Works, District Gazipur, Uttar Pradesh**. The unit has replied on 09-03-2018 (as annexed).

You are requested to carry out inspection to verify the compliance status of CPCB's direction dated 12-02-2018, including ETP performance assessment and forward the inspection report alongwith recommendations within 15 days.

Yours faithfully

Encls: As above.

A.K. Vidyarthi
26/03/18

(Dr. A.K. Vidyarthi)
Addl. Director
& I/c WQM-II

भारत सरकार
वित्त मंत्रालय (राजस्व विभाग)
कार्यालय महाप्रबन्धक
शासकीय अफीम एवं क्षाराद कारखाना
गाजीपुर (उत्तर प्रदेश) 233001



58230/प्र
15/3
Govt. Of India
Ministry of Finance (Dept. Of Revenue)
Office of the General Manager
Govt. Opium & Alkaloid Works
Ghazipur (U.P.) 233001
Ph. (0548) 2220237, Fax- (0548) 2220601

F. No. 10/4/Adm/2015 Part-II/623

Dated 9.3.2018

To
The Chairman
Central Pollution Control Board
Parivesh Bhavan, East Arjun Nagar
Delhi-110032



Sub: Direction under Section 5 of the Environment (Protection) Act, 1986.

Respected Sir,

Kindly refer to your letter F. No. B-190194/NGRBA/RG/CPCB/others (Chem.)/01(a)/2017-18, dated 12.2.2018 received on 26.2.2018.

B. In the above context point wise information is as given below against observations made on your visit on 16.1.2018 (on page-1): 2

- 1 No comments;
- 2 No comments;
- 3 NOC from CGWA has not yet been received. On visit it was told that applications are being scrutinised on FIFO basis and therefore as and when out turn comes NOC will be issued;
- 4 No comments;
- 5 No comments;
- 6 Regarding analysis reports from outlet samples – now it is running properly;
- 7 Regarding MLSS – regarding this issue, suggestions are sought from BHU;
- 8 No comments;
- 9 No comments;
- 10 No comments;
- 11 As per your direction, we have immediately removed the valve permanently and built a wall near inlet to avoid any kind of doubt/confusion;
- 12 No comments;
- 13 No comments;

16/3/18

SCD(P)

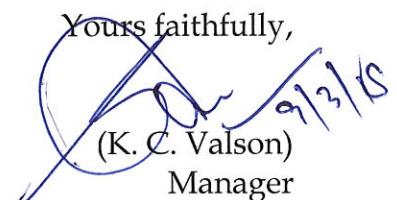
- 14 The domestic waste water from residential quarters is discharged to Nagar Pallika Nalla. However, human excreta waste is taken through underground pipes to soak pits;
- 15 Permission is sought for hazard waste authorisation. This issued would be addressed then;
- 16 No comments;
- 17 Already applied for HW authorisation in January 2018;
- 18 Air and Water Consents have already been received from UPPCB;
- 19 No comments;
- 20 Work Orders for Acoustic Enclosures have already been issued and stack heights would also be rectified suitably.

C. In the above context point wise information is as given below against directions (on page-2):

- 1 As per your direction, we have immediately removed the valve permanently and built a wall near inlet to avoid any kind of doubt/confusion;
- 2 To stabilise the aeration tank, on our insistence, a team of Professors of IIT, BHU, Varanasi had visited on 19.2.2018 in the capacity of consultants. After in-depth study of the processes, they will be shortly reverting back to us giving their specific suggestions. As soon as the same is received, this office will immediately try to implement all suggestions if they are to be done in-house or would do the needful if outside sources are to be utilised. The undersigned had personally visited BHU in the above context on 7.3.2017. Entire payment for consultancy has been released today. Report is expected by tomorrow;
- 3 For the up-gradation of ETP, we will take action immediately after getting report from IIT, BHU, Varanasi.
- 4 We will take action to upgrade Sewage Treatment Plant in the factory premises whereas the residential colonies are already having soak pits for collecting human waste disposal and the bath/other water is being collected and sent to the Open Nalla of the Nagar Pallika which is looked after by Nagar Pallika of Ghazipur;
- 5 It is to be informed that consent under Section 21/22 of Air (Prevention and Control of Pollution) Act, 1981 and consent under Section 25/26 of the Water (Prevention and Control of Pollution) Act, 1974 for discharge of effluents have been granted by the U.P. Pollution Control Board, Lucknow for the period from 01/01/2018 to 31/12/2019 in respect of Boiler and Effluent Treatment Plant (Consent photocopy attached);

- 6 We have applied for HW authorization for management and handling of HW to SPCB on 9.1.2018. Authorisation is expected in coming week. The undersigned had also personally visited UPPCB office for the same;
- 7 We are taking action to lift ETP sludge and dispose off the same into TSDF.
- 8 We are taking initiative to provide proper storage facility for HW generated in the unit after suggestions are received from BHU;
- 9 Tender had been floated for acoustic enclosure and subsequently Work Orders have already been issued. Latest update after installation would be informed; and
- 10 Work is under process to construct closed conveyance channel of effluent to ETP as proposed.

D. We will also ensure that all the conditions of the consent are strictly complied by us and operation of the Boiler and Effluent Treatment Plant are running as per norms of Environment Protection Act, 1986.

Yours faithfully,

(K. C. Valson)
Manager
(K. C. Valson)
(कौ. सी० वलसन)
Manager
प्रबन्धक
9/3/18



U.P. Pollution Control Board

CONSENT ORDER

Ref No. :-
7443/Uppcb/Varanasi(Uppcbro)/CTO/water/
GHAZIPUR/2017

Dated : 09/02/2018

To ,

M/S Manager Opium Factory
Govt.Opium and Alkaloid Works,Ghazipur
Govt.Opium and Alkaloid Works,Ghazipur
GHAZIPUR

AP 22/2/18
Adm

Sub : Consent under Section 25/26 of The Water (Prevention and control of Pollution) Act, 1974
(as amended) for discharge of effluent to M/s. Govt.Opium and Alkaloid Works,Ghazipur

Reference Application No :325689

Dated :09/02/2018

1. For disposal of effluent into water body or drain or land under The Water (Prevention and control of Pollution) Act,1974 as amended (here in after referred as the act) M/s. Govt.Opium and Alkaloid Works,Ghazipur is hereby authorized by the board for discharge of their industrial effluent generated through ETP for irrigation/river through drain and disposal of domestic effluent through septic tant/soak pit subject to general and special conditions mentioned in the annexure ,in refrence to their foresaid application .
2. This consent is valid for the period from 01/01/2018 to 31/12/2019 .
3. In spite of the conditions and provisions mentioned in this consent order UP Pollution Control Board reserves its right and powers to reconsider/amend any or all conditions under section 27(2) of the Water (Previntion and Controt of Pollution) Act, 1974 as amended .

This consent is being issued with the permission of competent authority .

PRAMOD Digitally signed by
PRAMOD MISHRA
Date: 2018.02.16
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MISHRA

For and on behalf of U.P. Pollution Control Board

Enclosed : As above
(condition of consent):

Copy to: Regional Officer, U.P. Pollution Control Board, Varanasi for information and necessary action.

PRAMOD Digitally signed by
PRAMOD MISHRA
Date: 2018.02.16
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U.P. POLLUTION CONTROL BOARD, LUCKNOW

Annexure to Consent issued to M/s.Govt.Opium and Alkaloid Works,Ghazipur vide

Consent Order No. 325689/ Water

Dated : 09/02/2018

CONDITIONS OF CONSENT

1. This consent is valid only for the approved production capacity of Codine, Codine sulphate , Codine Fosphate, Marcoteen, Marphin, Paprin 50 ton/Annum.
2. The quantity of maximum daily effluent discharge should not be more than the following :

Effluent Discharge Details			
S.No	Kind of Effluent	Maximum daily discharge,KL/day	Treatment facility and discharge point
1	Domestic	60 KLD	Septic Tank
2	Industrial	90 KLD	ETP

3. Arrangement should be made for collection of water used in process and domestic effluent separately in closed water supply system. The treated domestic and industrial effluent if discharged outside the premises, if meets at the end of final discharge point, arrangement should be made for measurement of effluent and for collecting its sample. Except the effluent informed in the application for consent no other effluent should enter in the said arrangements for collection of effluent. It should also be ensured that domestic effluent should not be discharged in storm water drain .
4. a. The domestic effluent should be treated in treatment plant so that the should be in conformity with the following norms dated treated effluent .

Domestic Effluent		
S.No	Parameter	Standard

4. b. The industrial effluent should be treated in treatment plant so that the treated effluent should be in conformity with the following norms. .

Industrial Effluent		
S.No	Parameter	Standard
1	Total Suspended Solids	100 mg/ltr
2	BOD	30mg/ltr
3	COD	250 mg/ltr
4	Oil & Grease	10 mg/ltr

5. Effluent generated in all the processes, bleed water, cooling effluent and the effluent generated from washing of floor and equipments etc should be treated before its disposal with treated industrial effluent so that it should be according to the norms prescribed under The Environment (Protection) Act,1986 or otherwise mandatory .
6. The other pollutant for which norms have not been prescribed, the same should not be more than the norms prescribed for the water used in manufacturing process of the industry .
7. The method for collecting industrial and domestic effluent and its analysis should be as per legal Indian standards and its subsequent amendments/standards prescribed under The Environment (Protection) Act, 1986.
8. The treated domestic and industrial effluent be mixed (as per the provisions of Condition No. 2) and disposed of on one disposal point. This common effluent disposal point should have arrangement for flow meter/V Notch for measuring effluent and its log book be maintained .

Specific Conditions:

1. This consent is being issued only for production of Codine, Codine sulphate, Codine Fosfate, Marcoteen, Marphin, Paprin 50 ton/Annum.
2. Industry shall submit Environment Statement to this Board as per provision of Environment(Protection) amendment Rule, 1993 for the previous year ending 31st March on or before 30th September every year.
3. Wide and dense green belt of broad leaf local species shall be developed all along the plant premises. As far as possible maximum area of open spaces shall be utilized for plantation purposes. Industry shall develop green belt within and around the plant premises in at-least 33% area of the total project area. Extensive tree plantation shall be carried out in this year.
4. Implementation report of Consent Compliance must be submitted.
5. The industry must be submitted the permission of abstraction of Ground Water from CGWA in one month.
6. The consumption of electricity, nutrient and chemicals in operation of ETP must record on logbook regularly.
7. The industry is directed no to discharge any effluent outside of the factory premises are in river Ganga.
8. The industry is directed to continues operation of all units of E.T.P. regularly.
9. Electro Magnetic Flow Meter must be always operating in condition.
10. Industry must be insure to connecting server of CPCB and UPPCB for online continues effluent monitoring system.
11. The consent will be self-suspended in case of Closure issued by CPCB and incase of revoke closure order consent shall be effective for operation.
12. Industry must be compliance time to time for direction of CPCB.
13. Industry must be submitted Hazardous Waste disposal through T.S.D.F. and report submitted every three month and implement of hazardous waste and other waste management rules, 2016.
14. Industry must be insure to connecting server of CPCB and UPPCB for online continues effluent monitoring system.
15. The industry have been obtain good house keeping in industry campus.
16. Industry have to submit analysis report of effluent every three month analysed by board or approved N.A.B.L.lab.

Issued with the permission of competent authority .

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MISHRA PRAMOD MISHRA
Date: 2018.02.16
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For and on behalf of U.P. Pollution Control Board .



U.P. Pollution Control Board

CONSENT ORDER

Ref No. -
7486/UPPCB/Varanasi(UPPCBRO)/CTO/air/GHAZIPUR/2017

Dated : 09/02/2018

To ,
M/S Manager Opium Factory
Govt.Opium and Alkaloid Works,Ghazipur
Govt.Opium and Alkaloid Works,Ghazipur
GHAZIPUR

Sub : Consent under section 21/22 of the Air (Prevention and control of Pollution) Act, 1981 (as amended) to M/s. Govt.Opium and Alkaloid Works,Ghazipur

Reference Application No. 327046

Dated : 09/02/2018

1. With reference to the application for consent for emission of air pollutants from the plant of M/s Govt.Opium and Alkaloid Works,Ghazipur. under Air Act 1981. It is being authorised for said emissions, as per the standards, in environment, by the Board as per enclosed conditions .
2. This consent is valid for the period from 01/01/2018 to 31/12/2019 .
3. Inspite of the conditions and provisions mentioned in this consent order UP Pollution Control Board reserves its right and powers to reconsider/amend any or all conditions under section 21 (6) of the Air (Previntion and Controt of Pollution) Act, 1981 as amended.

This consent is being issued with the permission of competent authority .

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PRAMOD MISHRA
Date: 2018.02.16
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For and on behalf of U.P. Pollution Control Board

Enclosed : As above
(condition of consent):

Copy to: Regional Officer, U.P. Pollution Control Board, Varanasi for information and necessary action.

PRAMOD
MISHRA

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PRAMOD MISHRA
Date: 2018.02.16
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U.P. Pollution Control Board

Dated : 09/02/2018

CONDITIONS OF CONSENT

1. This consent is valid only for the approved production capacity of Codine, Codine sulphate , Codine Phosphate, Marcoteen, Marphin, Paprin 50 ton/Annum.
- 2(a) . The maximum rate of emission of flue gas should not be more than the emission norms for the stacks.

Air Pollution Source Details					
S.No	Air Polution Source	Type of Fuel	Stack No.	Parameters	Height
1	2.5 TPH Boiler 2 No.	Fernes Oil	1	Particulate Matter	30 mtr

- 2(b) . The emissions by various stacks into the environment should be as per the norms of the Board .

Emission Quality Details Detail			
S.No	Stack No	Parameter	Standard
1	1	Sulphur Dioxide	80 mg/Nm3
2	1	Particulate Matter	800 mg/Nm3

- 3 . Quantity of other pollutants should also be as per the norms prescribed by the Board/MOEF & CC/or otherwise mandatory .
- 4 . The equipment for air pollution control system and monitoring ,as proposed by the industry and approved by the Board should be installed in their premises itself .
- 5 . The modification or installation in the existing pollution control equipments should be done only by prior approval of Board .
- 6 . The operation of air pollution control system and maintenance be done in such a way that the quantity of pollutants should be in accordance with the standards prescribed by the Board/MoEF & CC/or otherwise mandatory .
- 7 . Unit should do provisions for fugitive emissions chimney/stack as per the norms of the Board/MOEF & CC/or otherwise mandatory .
- 8 . The unit should submit the stack emissions monitoring report within one month from issuance of consent order along with the point wise compliance report of the consent order . Further quarterly monitering report should be submitted .

Specific Conditions:

1. This consent is being issued only for production of Codine, Codine sulphate , Codine Phosphate, Marcoteen, Marphin, Paprin 50 ton/Annum.
2. Industry shall submit Environment Statement to this Board as per provision of Environment(Protection) amendment Rule, 1993 for the previous year ending 31st March on or before 30th September every year.
3. Wide and dense green belt of broad leaf local species shall be developed all along the plant premises. As far as possible maximum area of open spaces shall be utilized for plantation purposes. Industry shall develop green belt within and around the plant premises in at-least 33% area of the total project area. Extensive tree plantation shall be carried out in this year.
4. Implementation report of Consent Compliance must be submitted.
5. The consent will be self-suspended in case of Closure issued by CPCB and incase of revoke closure order consent shall be effective for operation.
6. Industry must be compliance time to time for direction of CPCB.
7. The industry shall be maintain the records of electricity consumption for the operation of APCS. and submit the mentioned details to UPPCB.
8. Stack and Ambient Air Monitoring report to be submitted every Three Months.
9. Audited Balance Sheet/C.A. Certificate should be submitted within one month from the date of issue of this Certificate for verification of Consent fee payable.
10. All D.G. sets must have equipped with acoustic enclosure to control Noise Pollution.
11. Industry must be submitted Hazardous Waste disposal through T.S.D.F. and report submitted every three month and implement of hazardous waste and other waste management rules, 2016.
12. Industry have been insure good house keeping in own campus and near by area.
13. Industry have to submit analysis report of effluent every three month analysed by board or approved N.A.B.L.lab.

Issued with the permission of competent authority .

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MISHRA PRAMOD MISHRA
Date: 2018.02.16
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For and on behalf of U.P. Pollution Control Board .

SPEED POST

F. No. B-190194/NGRBA/RG/CPCB/others (Chem)/01(a)/2017-18
19/11

12-02-2018

To

**M/s Government Opium & Alkaloid Works,
Gazipur-233001,
Uttar Pradesh**

DIRECTION UNDER SECTION 5 OF THE ENVIRONMENT (PROTECTION) ACT, 1986

WHEREAS, Pharmaceutical units are identified as one of the 17 categories of highly polluting industries which have been discharging environmental pollutants directly or indirectly into the ambient air and water, having potential threat to cause adverse effect on the water and air quality; and

WHEREAS, the Central Government has notified the standards for discharge of environmental pollutants from various categories of industries under the Environment (Protection) Act, 1986 and the rules framed there under; and

WHEREAS, the Unit **M/s Government Opium & Alkaloid Works, Gazipur-233001, Uttar Pradesh** (herein after referred as the Unit) was inspected by the CPCB officials on 14-10-2017; and

WHEREAS, CPCB issued Show Cause Notice dated 20-11-2017 under Section 5 of Environment (Protection) Act 1986 to the unit for not complying with prescribed effluent discharge standards notified under Environment (Protection) Rules, 1986 and amendment thereof; and

WHEREAS, the unit reply vide letter dated 08.12.2017 was examined; and

WHEREAS, the Unit was inspected by the CPCB officials on 16-01-2018 and following observations has been made:

1. During inspection, ETP was observed as operational.
2. The unit is engaged in manufacturing of alkaloids from opium. The unit has installed capacity of processing 60 Ton/year. However; at the time of inspection the unit was operating on 25 ton/year capacity.
3. The unit is meeting its water requirement through three open wells for industrial & domestic purpose. The unit has installed electromagnetic flow meter for measuring fresh water consumption. The unit has applied for NOC from CGWA on 01.12.2017.
4. The ETP of the plant consists of Bar Screen, Grit Chamber, Equalization Tank, Flocculation Tank, Primary Settling Tank, Aeration Tank, Secondary Settling Tank, Sand Bed, Activated Carbon Filter, Sludge Drying Beds and Treated Water Collection Tank.
5. The unit has installed an ETP for treatment of effluent which is based on Physio-chemical process followed by Biological Process. As reported, the ETP receiving effluents from the nascent unit, morphine unit, finishing drug section, washing of the vessels, boiler blow down, cooling tower blow down and floor washing is also treated in the ETP.
6. Samples were collected from Equalization Tank, Aeration Tank, Outlet of ETP and Treated water collection tank. **The analysis results of ETP outlet samples shows that the unit is not complying with the prescribed stipulated norms with respect of parameters BOD: 33.2 mg/l (as against the norms of 30 mg/l) and Hg: 0.0528 mg/l (as against the norms of 0.01 mg/l).**

7. **MLSS (472 mg/l) and MLVSS (423mg/l)** in the Aeration were found very low which indicates that the O&M of the ETP is not proper and ETP is not stabilized.
8. The unit has installed Online Continuous Effluent and Emission Monitoring System at the outlet of ETP and Boiler Stack and connected with CPCB server.
9. The conveyance channel of effluent to ETP is open. As informed, the unit is in the process to construct closed conveyance channel of effluent to ETP.
10. As informed, Treated effluent from ETP is used for gardening purpose in its premises. During inspection, treated effluent was found not discharged outside unit.
11. **During inspection, it was observed that the unit has installed valve at the inlet of the ETP, which leads to outlet of ETP. Leakage of effluent from the valve was observed. Possibility of bypassing of effluent through this valve could not be ruled out.**
12. **The River Ganga is adjacent to the unit (approx. 100 m).**
13. As informed, the unit has given work of ETP adequacy assessment to IIT (BHU), Varanasi. The unit has maintained log book of ETP operation, energy consumption.
14. **The domestic wastewater generated from unit, residential colony (three nos.) is discharged into River Ganga (distance- approx. 100 m), which may pollute River Ganga.**
15. The ETP sludge generated, which is hazardous is not dispose off on TSDF. It is dumped on land near ETP area.
16. The opium distillation Residue generated from process is stored in concrete pit (25mx20m x3m) inside unit. As informed, approx. 20 Ton of opium distillation Residue is stored. As informed, opium distillation Residue will be incinerated in incineration located in its sister concern unit located at Nimach.
17. The unit has **not applied for HW authorization** for management and handling of HW.
18. The unit has **not obtained valid consent** under the Water Act, 1974 & the Air Act, 1981 from the State Pollution Control Board. However, the unit has **applied for renewal** to UPPCB.
19. The unit has installed two boiler of capacity each 2.5 TPH for producing steam using furnace oil as fuel. Both Boilers are equipped with cyclone separators APCD. The emissions from boiler is vented through common stack of height approx. 30 m.
20. The unit has provided three D G set of 2 X 320 KVA and 200 KVA capacities, which are not equipped with acoustic enclosure and inadequate stack height.

AND WHEREAS, the Ministry of Environment & Forests, Government of India, vide Notifications No. S. O. 157 (E) of 27.02.1996 and S. O. 730 (E) dated 10.07.2002, has delegated the powers vested under Section 5 of the Environment (Protection) Act, 1986 (29 of 1986) to the Chairman, Central Pollution Control Board, to issue directions to any industry or any local body or any other authority for violations of the standards and rules notified under the Environment (Protection) Rules, 1986 and amendment thereof; and

NOW, THEREFORE, in exercise of powers vested under Section 5 of the Environment (Protection) Act, 1986, the following directions are being issued:

1. The unit shall immediately close bypass drain/valve and inform to CPCB.
2. The unit shall properly operate its ETP to stabilize the aeration tank and to meet with the stipulated norms of effluent discharge.
3. The unit shall expedite to carry out adequacy assessment of ETP and submit the adequacy report within 30 days to CPCB and also submit time bound action plan for upgradation of ETP.
4. The unit shall submit a time bound action plan within 30 days to install Sewage Treatment Plant (STP) for treatment of sewage generated from unit and its colonies.

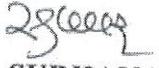
5. The unit namely **M/s Government Opium & Alkaloid Works, Gazipur-233001, Uttar Pradesh** shall obtain valid consent under the Water Act, 1974 & the Air Act, 1981 from the State Pollution Control Board.
6. The unit shall obtain HW authorization from SPCB. The unit should comply with all conditions of HW Rule, 2016.
7. The unit shall immediately lift HW (ETP sludge) disposed on land and it should be disposed off into TSDF.
8. The unit shall provide proper storage facility for HW generated in the unit.
9. The unit shall provide acoustic enclosure and adequate stack height in all DG sets.
10. The unit shall expedite to construct closed conveyance channel of effluent to ETP as proposed.

Failure to comply with above directions will attract action in accordance with the provision of the Environment (Protection) Act, 1986.


(S.P. SINGH PARIHAR)
CHAIRMAN

Copy to:

1. **Chairman,**
Uttar Pradesh Pollution Control Board
Building No. TC-12V, Vibhuti Khand,
Gomati Nagar, Lucknow
: [For kind information]
2. **The Advisor (CP Division),**
Ministry of Environment, Forests & Climate Change,
Indra Paryavaran Bhavan,
Jor Bagh Road, New Delhi - 110 003
: [For kind information]
3. **Regional Director,**
Regional Directorate (North),
Central Pollution Control Board,
PICUP Bhawan, Vibhuti Khand,
Gomati Nagar, Lucknow
: [To ensure compliance of the directions]
4.  The Incharge IT Division, CPCB, Delhi
: [For uploading the direction on CPCB website]


(A.SUDHAKAR)
MEMBER SECRETARY