



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

CPCB/IPC-VI/ROGW/

Date: 05.09.2023

To,

The Member Secretary
SPCBs/PCCs
(as per the list)

Sub: Harmonization of Classification of Industrial Sectors into Red, Orange, Green and White Categories-regarding semiconductor industries.

Sir,

This has reference to the CPCB Directions issued u/s 18(1)(b) of the Air and Water Act on 07.03.2016, regarding 'Harmonization of classification of industrial sectors under Red/Orange/Green/White categories', wherein CPCB has categorized 242 industrial sectors into red, orange, green & white categories and directed all SPCBs/PCCs for its adoption and implementation.

Subsequently, CPCB has categorized the additional nine industrial sectors, namely, (i) Scrapping Centre (ii) Used Cooking Oil Collection Centre (iii) Compressed/Refined Biogas (iv) Railway Stations, (v) Dairy Farms & (vi) Gaushalas, (vii) Building and Construction Projects, having built-up area up to 20,000 m² and waste water generation \geq 50 KLD, (viii) Construction and Demolition (C&D) Waste Processing Plants, and (ix) Gold Assaying & Hallmarking Centres.

Now, CPCB Committee on categorization of industrial sectors, in its meeting held on 07.08.2023, categorized 'Semiconductor Manufacturing Industries', the details of which are given at **Annexure-I**.

All SPCBs/PCCs are directed to adopt and implement the categorization of Semiconductor Manufacturing Industries and submit the Action Taken Report (ATR), within 15 days.

Yours faithfully,

(Bharat Kumar Sharma)
Member Secretary

Encl.: as above.

'परिवेश भवन' पर्वी अर्जुन नगर, दिल्ली-110032

Parivesh Bhawan, East Arjun Nagar, Delhi-110032

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Copy to:

- 1 The Additional Secretary (CP Division)
Ministry of Environment, Forests
& Climate Change,
Indira Paryavaran Bhawan,
Jor Bagh Road,
New Delhi -110 003
- 2 All Regional Directors,
CPCB
(as per list)
- 3 Div. Head, WM-III,
CPCB, Delhi
- 4 Div. Head-IT,
CPCB, Delhi

: with a request to upload this
letter on CPCB website



(Bharat Kumar Sharma)



Annexure-I

Categorization of Semiconductor Manufacturing Industries

Sl. No.	Sl. No. (as per CPCB Document)	Industrial Sector	W1	W2	W	A1	A2	A	H	PI	Category	Remarks
1	62	Semiconductor manufacturing industries										Toxic wastewater is generated due to presence of Hydrofluoric acid (HF), Mixed Nitric HF (HF + HNO ₃), Phosphoric acid, Sulphuric acid (H ₂ SO ₄), Hydrogen Peroxide, Isopropyl alcohol (IPA) / Methanol (Methanol Only), Stripper EKC-265 /ACT N396 (ACT N396 Only), BHF - 63 U, Choline etchant, etc.
		(i) Semiconductor fabs manufacturing	30	10	40	30	--	30	15	85	Red	The air pollutants which are being emitted during manufacturing process are SiH ₄ , PH ₃ , B ₂ H ₆ , HF, HBr, DCS, NF ₃ , SF ₆ , BCl ₃ , Cl ₂ , HCL, NH ₃ , C ₂ F ₆ , CHF ₃ , CF ₄ , C ₄ F ₈ , C ₂ F ₆ etc.
		(ii) Display fabs manufacturing	30	10	40	25	--	25	15	80	Red	
		(iii) Compound semiconductors / Silicon photonics/ Sensor fabs manufacturing	30	10	40	25	--	25	15	80	Red	Process waste, used oil etc. are generated as hazardous waste.
		(iv) Semiconductor Assembly, Testing, Marking and Packaging Facility (ATMP)	--	--	--	10	--	10	20	50	Orange	Scores are normalized to 100 based on the contribution from air pollution (fugitive emission) and hazardous waste generation.

Address List of Member Secretaries, SPCBs/PCCs

1.	The Member Secretary Andhra Pradesh Pollution Control Board D.No. 33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre, Chalamvari Street, Kasturibaipet, Vijayawada- 520007 (Andhra Pradesh)	2.	The Member Secretary Arunachal Pradesh State Pollution Control Board Paryavaran Bhawan, Yupia Road, Papu Nalah, Naharlagun – 791110 (Arunachal Pradesh)
3	The Member Secretary Assam Pollution Control Board Bamunimaidan, Guwahati – 781021 (Assam)	4	The Member Secretary Bihar State Pollution Control Board Parivesh Bhawan, Plot No.N-B/2, Patliputra Industrial Area Patna-800010 (Bihar)
5.	The Member Secretary Chhattisgarh Environment Conservation Board Paryavas Bhawan, North Block, Sector-19 Atal Nagar, Raipur– 492 002 (Chhattisgarh)	6.	The Member Secretary Goa State Pollution Control Board Nr. Pilerne Industrial Estate, Opp. Saligao Seminary, Saligao ,Bardez,- 403511(Goa)
7.	The Member Secretary Gujarat Pollution Control Board Paryavaran Bhavan, Sector-10A, Gandhinagar– 382043 (Gujarat)	8.	The Member Secretary Haryana State Pollution Control Board C-11, Sector 6, Panchkula- 134109 (Haryana)
9	The Member Secretary Himachal Pradesh State Pollution Control Board Paryavaran Bhavan, Phase III, New Shimla – 171009	10	The Member Secretary J&K State Pollution Control Board, Parivesh Bhawan, Forest Complex, Gladni, Narwal, Transport Nagar, Jammu- 180004 Jammu & Kashmir (J&K)
11.	The Member Secretary Jharkhand State Pollution Control Board T.A Building, HEC Campus, P.O. Dhurwa Ranchi – 834004 (Jharkhand)	12.	The Member Secretary Karnataka State Pollution Control Board Parisara Bhavan, #49, Church Street, Bengaluru – 560 001 (Karnataka)
13.	The Member Secretary Kerala State Pollution Control Board Plamoodu, Pattom P.O Thiruvananthapuram-695004 (Kerala)	14.	The Member Secretary Maharashtra Pollution Control Board Kalpataru Point, 3rd& 4th floor, Opp. PVR Cinema, Sion Circle (E), Mumbai- 400022 (Maharashtra)
15	The Member Secretary Manipur Pollution Control Board Lamphelpat, Imphal West D.C. Office Complex – 795004 (Manipur)	16	The Member Secretary Mizoram State Pollution Control Board New Secretariat Complex, Khatla, Thlanmual Peng, Aizwal Mizoram- 796001
17	The Member Secretary Meghalaya State Pollution Control Board Arden, Lumpyngngad, Shillong – 793014	18.	The Member Secretary Madhya Pradesh State Pollution Control Board Paryavaran Parisar, E-5 Arera Colony Bhopal – 462016
19.	The Member Secretary Nagaland State Pollution Control Board Signal Point, Dimapur, Nagaland – 797112	20	The Member Secretary Odisha State Pollution Control Board Paribesh Bhawan A-118, Nilakanta Nagar, Unit –VIII, Bhubaneshwar – 751012.

21.	The Member Secretary Punjab State Pollution Control Board Nabha Road, ITI Rd, Adarsh Nagar, Prem Nagar, Patiala - 147001.	22.	The Member Secretary Sikkim State Pollution Control Board Department of Forest, Environment & Wildlife Management Government of Sikkim, Deorali, Gangtok, -737102 (Sikkim)
23.	The Member Secretary Rajasthan State Pollution Control Board A-4 Institutional Area, Jhalane Dungri Jaipur - 302004. (Rajasthan)	24.	The Member Secretary Telangana State Pollution Control Board Paryavaran Bhavan A-3, Industrial Estate, Sanath Nagar, Hyderabad - 500 018 (Telangana)
25.	The Member Secretary Tripura State Pollution Control Board Parivesh Bhawan Pt. Nehru Complex, Gorkhabasti P.O., Kunjaban, Agartala, Tripura - 799 006	26.	The Member Secretary Tamil Nadu Pollution Control Board No. 76, Mount Salai, Guindy, Chennai - 600032 (Tamil Nadu)
27.	The Member Secretary Uttarakhand Pollution Control Board Gaura Devi Bhawan, 46 B IT Park Sahastradhara, Dehradun- 248001 Uttarakhand	28.	The Member Secretary Uttar Pradesh Pollution Control Board Building No. TC-12V Vibhuti Khand, Gomti Nagar, Lucknow- 226010. (Uttar Pradesh)
29.	The Member Secretary Andaman & Nicobar Islands Pollution Control Committee Department of Science & Technology Dollyganj Van Sadan, Haddo P.O., Port Blair-744102 (Andaman & Nicobar)	30.	The Member Secretary Chandigarh Pollution Control Committee Paryavaran Bhawan Madhya Marg, Sector - 19 B, Chandigarh - 160019. Chandigarh
31.	The Member Secretary Delhi Pollution Control Committee 4 th & 5 th Floor, ISBT Building, Kashmere Gate, Delhi - 110006.	32.	The Member Secretary Daman, Diu & Dadra Nagar Haveli Pollution Control Committee 1 st Floor, Udhog Bhavan Bhenslore, Dunetha Nani Daman, Daman - 396210
33.	The Member Secretary Lakshadweep Pollution Control Committee Lakshadweep Administration Department of Science, Technology & Environment Kavarati - 682555. (Lakshadweep)	34.	The Member Secretary Puducherry Pollution Control Committee Department of Science, Technology & Environment 3rd Floor, Housing Board Complex, Anna Nagar, Nellithope, Puducherry - 605 005
35.	The Member Secretary West Bengal Pollution Control Board Paribesh Bhavan Canteen, 10A, Sector III, Bidhannagar, Kolkata- 700106 West Bengal		

Copy to :

Address list of Regional Directors, CPCB			
1.	The Regional Director (Kolkata) Central Pollution Control Board 502, Southend Conclave 1582, Rajdanga Main Road Kolkata-700107	2.	The Regional Director (Vadodara) Central Pollution Control Board Parivesh Bhawan, Opp. Ward No. 10 VMC Office Subhanpura, Vadodara – 390 023 Gujarat
3.	The Regional Director (Shillong) Central Pollution Control Board BSNL NE- 1, Telecom Circle CTO Building Ground Floor Shillong-793001	4.	The Regional Director (Bhopal) Central Pollution Control Board 3rd Floor, Sahkar Bhawan North T.T Nagar Bhopal- 462003
5.	The Regional Director (Lucknow) Central Pollution Control Board Ground Floor, PICUP Bhawan Vibhuti Khand, Gomti Nagar Lucknow- 226020	6.	The Regional Director (Bengaluru) Central Pollution Control Board 1st & 2nd Floors, Nisarga Bhawan A-Block, Thimmaiah Main Road 7th D Cross, Shivanagar Opposite Pushpanjali Theatre Bengaluru-560010
7.	The Regional Director (Chandigarh) Central Pollution Control Board BSNL Exchange, 2nd Floor Sector 49-C, Chandigarh-160047	8.	The Regional Director (Chennai) Central Pollution Control Board 77-A, Second Floor South Avenue Road, Ambattur Industrial Estate, Ambattur Taluk, Thiruvallur District, Chennai - 600 058
9.	The Regional Director (Pune) Central Pollution Control Board Row House No. 1, Nisarg Vihar, Near Mitcon International Public School, Balewadi, Pune-411045		