



MANIPUR POLLUTION CONTROL BOARD IMPHAL WEST DC OFFICE COMPLEX LAMPHELPAT-795004

OFFICE MEMORANDUM Imphal, the 8th September, 2025

No. PCB/567/2024-25: In supersession of all previous office orders, memoranda, etc. issued in this regard, the Red category sectors/industries in respect of Manipur State shall be as below:

RED CATEGORY SECTORS

Sl. No.	Particulars	Remarks
1	Manufacturing of Automobiles (integrated facilities)	 i. Such types of plants are having either one or combinations of polluting activities viz. washing, metal surface finishing operations, pickling, plating, electroplating, phosphating, painting, heat treatment etc. ii. Some of such plants may outsource some /all of the polluting activities or may have stand-alone units. In such cases, MPCB will recategorize after thorough inspection of such units.
2	Asbestos and asbestos-based industries	Asbestos is carcinogenic and banned in many countries.
3	Autoclaved Aerated Concrete (AAC) bricks/blocks manufacturing using coal as fuel (12 TPD and above)	
4	Manufacturing of non-alcoholic beverages (Wastewater generation ≥ 100 KLD)	
5	Lead-acid Battery manufacturing (excluding assembling and charging of lead-acid battery in microscale)	•
6	Carbon black manufacturing	
7	Industrial carbon, including electrodes & graphite blocks and calcined pet coke manufacturing	
8	Manufacturing of basic inorganic chemicals, chemicals and its derivatives, including the manufacturing of acids	
9	Phosphorus and its compounds, including phosphorus rock processing	
10	Manufacturing of chlorates, perchlorates & peroxides	
11	Manufacturing of chlorine, fluorine, bromine, iodine, and their compounds	

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		iii. The process will generate fugitive
		emissions and due to the pyrolysis
		operation.
40	Integrated unit for production of ammonia through Hydrogen generated by electrolysis using renewable energy (capacity ≥ 15 TPD)	 i. Ammonia manufacturing process (Haber process) and associated safety hazards remain the same as per the chemical properties of ammonia. ii. Wastewater generation due to the production of hydrogen through electrolysis and condensation of ammonia, other scrubbed liquids etc. iii. Generation of ETP sludge, exhausted membranes, molecular sieves, spent catalysts, etc. as hazardous waste.
41	Hydrogen production through pyrolysis/ gasification	 i. Pyrolysis of biomass will generate syngas and other condensable gases having hydrocarbons and other impurities. ii. Purification of gas will generate wastewater having high organic content and tarry residue as hazardous waste. iv. The process will generate fugitive emissions and due to the pyrolysis operation.
42	Hazardous waste preprocessing/processing facility, including spent acid processing, spent solvent recovery, etc.	e e
43	Milk processing and dairy products (integrated project)	
44	Dairy and dairy products (Small-scale units), using coal/biomass as fuel (Wastewater generation ≥ 100 KLD)	
45	Open-cast coal mining	
46	Underground coal mining	
47	Mining of major minerals and ore beneficiation	•
48	Integrated iron and steel plants	
49	Stand-alone sintering/palletisation	
50	Sponge iron with CPP (Captive Power Plant)	
51	Sponge iron without CPP	
52	Stand-alone coke oven gas plants	· ·
53	Aluminium Refinery	
54	Aluminium Smelter	
55	Copper Smelter	
56	Zinc smelter	
57	All Ferrous and Non-ferrous metal secondary processing/reprocessing units involving different furnaces through melting, refining, casting, alloymaking (using coal/liquid fuels)	

	T. C.	
58	Industry or process involving metal surface treatment or	* •
	process such as pickling/ electroplating/paint stripping/	*
	heat treatment using cyanide bath/ phosphating or	
50	finishing and anodizing/enamelling/galvanising	•
59	Rolling and pickling	
60	Wire drawing and wire netting (with pickling)	
61	Organic chemicals including halogenated hydrocarbons (using solid/liquid fuel)	
62	Organic chemicals, including halogenated hydrocarbons (using cleaner fuel)	×
	Oil and gas extraction (offshore & onshore extraction	
63	through drilling wells), Coal Bed Methane (CBM)	
03	drilling and shale gas, including group gathering	
	stations (GGS), etc.	
64	Power plants based on coal	
65	Power plants based on liquid fuels	
66	Waste to energy power plants	
67	Biomass-based power plants	1
68	Nuclear energy-based power plants (> 220 MW)	
	Manufacturing of bleached chemical pulp, papers, and	
69	paperboards	
	Unbleached or Totally Chlorine Free (TCF) bleaching	
70	for the manufacturing of chemical pulp, papers, and	
	paperboards	
	Bleached grades of chemical pulp, paper, and	1
71	paperboard having Totally Chlorine Free (TCF)	
	bleaching	6
72	Pulp & Paper (With bleaching)	
73	Pulp & Paper (Without bleaching, capacity ≥15 TPD)	
74	Manufacturing of solvent-based paints/varnishes	
75	Manufacturing of water-based paints	
76	Manufacturing of powder coatings	
77	Pesticide technical (organic chemicals based)	
	Pesticide technical (inorganic chemicals, based like Zinc	
78	Phosphide and Aluminium Phosphide)	
-	Pesticide formulation industries (Liquid formulation	
79	only) having boiler/thermopack	
	Pesticide formulation industries (having both liquid and	•
80	dry formulation or dry formulation only) without having	
	boiler /thermopack	=
	Pesticide formulation industries (having both liquid and	**************************************
81	dry formulation or dry formulation only) having boiler /	
• •	thermopack	2
82	Petroleum oil refineries	
83	Petrochemicals (Naphtha cracker.)	
84	Petrochemicals (Gas cracker)	
85	Petrochemicals (without cracker)	
	Petrochemicals (without cracker and using	
86	cleaner/gaseous fuel)	1
87	Pharmaceuticals manufacturing	
0/	i narmaccuticais manufacturing	
88	Pharmaceuticals manufacturing using cleaner/gaseous	

	Refractories based on coal/liquid fuel (fuel	
89	consumption: 12 TPD and above)	
90	Synthetic resins manufacturing	
91	Hydro & pyro metallurgy	
	Hydro & pyro metallurgy (using cleaner/gaseous fuels	•
92	& without crushing of materials)	
93	Pyrometallurgy (using coal/liquid fuels)	
	Industry engaged in recycling of e-waste generated from	
	the electrical and electronic Equipment (EEE) listed in	
94	the E-Waste (Management) Rules 2022, using pyro/	
	hydro/ electrometallurgical processing and recycling of	
	plastic separated from Waste EEE	
-	Lead Recycling (Lead Acid Batteries with Acids; Lead	
95	Scrap Recycling) Rotary Furnace/ Pit Furnace	-
	(Mandir/Canopy Bhatti)	
	Lead Recycling (Drained Lead Acid Batteries; Lead	
96	Scrap Recycling) Rotary Furnace/Mandir Bhatti on	
	Cleaner Fuel	
97	Sugar (excluding khandsari/jaggery)	
	Slaughterhouse / Slaughterhouse (With rendering plant)/	
98	integrated slaughtering unit, meat processing units, bone	
96	mill, processing of animal horns, hoofs and other body	
	parts	*
99	Semiconductor fabs manufacturing	
100	Display fabs manufacturing	
101	Compound semiconductors/ silicon photonics/ sensor	A.
	fabs manufacturing	
-102	Tanneries (Raw to finish)	
103	Tanneries (Raw to wet blue)	
104	Tanneries (Wet blue to finish)	
	Yarn / Textile processing involving any	
105	effluent/emission-generating processes including	
	bleaching, dyeing, printing, and colouring, including the	
	garment and apparel manufacturing industry	
106	Integrated facility for the reprocessing of waste textiles	
	fabric (including washing, bleaching, dyeing etc.)	
107	Common Effluent Treatment Plant (CETP) having Multiple Effect Evaporator (MEE)/spray drier	
	CETP (without having MEE/spray drier), Common	
108	MEE/common spray driers	
109	Common Sewage-Effluent Treatment Plant (CSETP)	
110	Effluent conveyance projects	
	Integrated facility (Secured landfill and incinerator) for	
111	hazardous waste	*
112	Only secured a landfill for hazardous waste	
113	Only incinerator for hazardous waste	
	Common Biomedical Waste Treatment Facility	
114	(CBWTF)	
115	CBWTF using cleaner/gaseous fuel	
	Health Care Facilities (HCFs) with a captive incinerator,	
116	irrespective of the number of beds	
117	HCFs with more than 1000 beds	

118	HCFs with 501 to 1,000 beds	
119	Hotels (above 3 star) or having 100 & more rooms	,
120	Ports and harbours, jetties and dredging operations	
121	Dairy Farm (having more than 500 animals)	
122	Hydel power plants (Capacity > 50 MW)	
123	Mining lease area more than 5 hectares or Mining lease area up to 5 hectares, which is part of a cluster mining	

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(Dr W. Roshan Singh)
Member Secretary
Manipur Pollution Control Board
Imphal, the 8th September, 2025

Memo No. PCB/567/2024-25 Copy to:

- 1. The PS to the Principal Secretary (For., Envt. & CC), Govt. of Manipur
- 2. The Director (Trade, Commerce & Industries), Govt. of Manipur
- 3. The Director (Environment & Climate Change), Govt. of Manipur
- 4. Dr Wazir Alam, Asst. Professor, MU
- 5. Shri M. Bangajit Singh, AEE, MPCB
- 6. The Informatics Officer, MPCB. He is to upload the office memorandum to the Board's website
- 7. The Administrative Officer, MPCB
- 8. Notice Board

9. Guard file

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(Dr W. Roshan Singh) Member Secretary Manipur Pollution Control Board
