



**SPEED POST**

F. No. CM-13011/125/2023-LAW-HO-CPCB-HO **39**

02<sup>nd</sup> April 2024

To

**The Member Secretary**  
All SPCBs/PCCs

**Sub:** Application form for identification of a process material as by-product – in compliance of Hon'ble NGT orders dated 18/08/2023-reg.

**Ref:** (i) CPCB letter F. No. CM-13011/125/2023-LAW-HO-CPCB-HO/ dated 10/11/2023  
(ii) CPCB letter F. No. CM-13011/125/2023-LAW-HO-CPCB-HO/ dated 17/11/2023.

Sir,

The Hon'ble NGT vide its orders dated 18.08.2023 in the matter of O.A No. 502/2023 issued various directions including Prescribing a form for receipt of application by SPCBs/PCCs for identification of an industrial material as by-product as per CPCB's "Framework on Identification of Materials Generated from Industrial Processes as Wastes or By-products"([https://cpbc.nic.in/upload-hwmd/Guidelines\\_HW\\_2.pdf](https://cpbc.nic.in/upload-hwmd/Guidelines_HW_2.pdf)).

In compliance of the above directions of Hon'ble NGT, CPCB has prepared a form for collection of the relevant information as required under the above framework. MoEF&CC has also accorded its approval for the aforesaid form. A copy of the said form is attached herewith for ready reference.

In view of the above, it is requested to ensure that the above form may please be adopted by the SPCB/PCC for receiving any proposal for identification of industrial material as a by-product as per the "Framework on Identification of Materials Generated from Industrial Processes as Wastes or By-Products".

Further, the information related to implementation of the CPCB's "Framework on Identification of Materials Generated from Industrial Processes as Wastes or By-Products" may be provided alongwith annual report.

Yours faithfully,

**(B. Vinod Babu)**  
Scientist 'F' & Head  
Waste Management-II Division

Encl: As Above

**‘परिवेश भवन’ पूर्वी अर्जुन नगर, दिल्ली-110032**

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**List of all the State Pollution Control Boards (SPCBs) & Pollution Control Committees (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 – 520 010	11.	The Member Secretary Jharkhand State Pollution Control Board T.A. Building, HEC, P.O. Dhurwa, Ranchi-834 004
2.	The Member Secretary Arunachal Pradesh Pollution Control Board Department of Environment & Forests, Paryavaran Bhawan, Yupia Road, Papu Nalah, Naharlagun- 791110	12.	The Member Secretary Karnataka State Pollution Control Board, Parisara Bhavana, 1 <sup>st</sup> to 5 <sup>th</sup> Floor 49, Church Street, Bengaluru – 560 001
3.	The Member Secretary Assam Pollution Control Board Bamunimaiden, Guwahati – 781021	13.	The Member Secretary Kerala Pollution Control Board Pattom Palace, P.O. Thiruvananthapuram – 695 004
4.	The Member Secretary Bihar Pollution Control Board Parivesh Bhawan, Plot No. NS-B/2 Patliputra Industrial Area, Patliputra, Patna (Bihar)-800023	14.	The Member Secretary Maharashtra Pollution Control Board Kalptaru Point, 2 <sup>nd</sup> - 4 <sup>th</sup> floor, Opp. Cine Planet, Sion Circle, Sion (E), Mumbai – 400 022
5.	The Member Secretary Chhattisgarh Environment Conservation Board Paryavas Bhawan, North Block Sector-19, Naya Raipur (C.G.)- 490099	15.	The Member Secretary Madhya Pradesh Pollution Control Board Paryavaran Parisar, Sector E-5, Arera Colony, Bhopal – 462 016
6.	The Member Secretary Goa Pollution Control Board Nr. Pilerne Industrial Estate, Opp. Saligao Seminary, Saligao-Bardez Goa-403511	16.	The Member Secretary Manipur Pollution Control Board Near Imphal West D.C. Office Complex, Lamphepat, Imphal – 795 004.
7.	The Member Secretary Gujarat Pollution Control Board Paryavaran Bhawan, Sector 10-A, Gandhi Nagar - 382010	17.	The Member Secretary Meghalaya Pollution Control Board Arden, Lumpyngngad, Shillong – 793 014
8.	The Member Secretary Haryana Pollution Control Board C-11, Sector-6 Panchkula Haryana-134 109 Chandigarh	18.	The Member Secretary Mizoram Pollution Control Board New Secretariat Complex, Khatla, Thlanmual Peng, Aizawl, Mizoram - 796001
9.	The Member Secretary Himachal Pradesh Pollution Control Board Paryavaran Bhawan, Phase-III, Below BCS, New Shimla – 171 009.	19.	The Member Secretary Nagaland Pollution Control Board Signal Point, Dimapur, Nagaland - 797112
10.	The Member Secretary J&K Pollution Control Committee Parivesh Bhawan, Shiekh-ul-Campus, behind Govt. Silk Factory, Raj Bagh, Srinagar(J&K)	20.	The Member Secretary State Pollution Control Board, Odisha Paribesh Bhawan, A-118, Nilakantha Nagar, Unit-VIII, Bhubaneswar – 751 012.
		21.	The Member Secretary Punjab Pollution Control Board Vatavaran Bhawan, Nabha Road Patiala – 147 001
		22.	The Member Secretary Rajasthan Pollution Control Board 4, Institutional Area, Jhalana Doongri Jaipur – 302 004, Rajasthan.



23.	The Member Secretary Sikkim Pollution Control Board Forest, Environment Wildlife Management Department, Government of Sikkim, Forest Secretariat Annex I, Ground Floor, Deorali, Gangtok -737102 East Sikkim	35	The Member Secretary Puducherry Pollution Control Committee Department of Science, Technology and Environment III <sup>rd</sup> floor, PHB Building, 5, Anna Nagar, Puducherry – 605005
24.	The Member Secretary Tamil Nadu Pollution Control Board No. 76, Mount Salai Guindy, Chennai – 600 032		
25.	The Member Secretary Telangana Pollution Control Board Paryavaran Bhawan, A-III Institutional Estate, Sanathnagar Hyderabad – 500018.		
26.	The Member Secretary Tripura Pollution Control Board, Parivesh Bhawan, Pandit Nehru Complex, Gorkhabasti P.O. Kunjaban, Agartala Tripura – 799 006.		
27.	The Member Secretary Uttar Pradesh Pollution Control Board Building No TC-12V Vibhuti Khand, Gomti Nagar Lucknow – 226 010		
28.	The Member Secretary Uttarakhand Environment Protection & Pollution Control Board 46B, IT Park, Sahastradhara Road, Dehradun-248001 Uttarakhand.		
29.	The Member Secretary West Bengal Pollution Control Board Paribesh Bhawan, 10A, Block- LA, Sector III, Salt Lake City, Kolkata- 700106		
30.	The Member Secretary Chandigarh Pollution Control Committee Paryavaran Bhawan, Ground Floor Madhya Marg, Sector C19-B, Chandigarh – 160 019		
31.	The Member Secretary Delhi Pollution Control Committee 4th Floor, ISBT Building, Kashmere Gate, Delhi - 110006.		
32.	The Member Secretary Daman, Diu & Dadra & Nagar Haveli Pollution Control Committee Fort Area, Court Compound, Moti Daman- 396220		
33.	The Member Secretary Lakshadweep Pollution Control Committee Lakshadweep Administration, Dept. Of Sc. and Technology & Environment Kavaratti Island-682 555		
34.	The Member Secretary Andaman & Nicobar Pollution Control Committee Dept. Of Sc. and Technology Dollygunj Van Sadan, Haddo P.O. Port Blair – 744 102		

**Format for Submission of Application for Categorization of material as By-Product**

S. No.	Item	Details
<b>A. General Information:</b>		
i.	Name and Address of Unit	
ii.	Contact details	
iii.	Industrial Sector (Pharma/Pesticide/Textile etc.)	
iv.	Details on Environmental Clearance (attach Copy)	
v.	Details on Consent/Authorization (attach Copy)	
vi.	Name of Material proposed as by-product	
vii.	Details of the manufacturing process wherein claimed material is generated along with list of raw materials, chemical reactions and process description (attach process flow chart indicating waste streams alongwith Mass balance, and Pollution Control Systems)	
<b>B. Details on Proposal for declaration of Material as By-product:</b>		
<b>1. General Assessment and Characteristics of By-product</b>		
i.	Is the material listed under Schedule I/III/IV/VI of HOWM Rules, 2016	If yes, provide details on Category and Schedule of HOWM Rules, 2016
ii.	Is the proposed material declared as 'wastes' or 'byproduct' in Environmental Clearance granted to the unit (Please specify)	
iii.	Annual quantity of the material proposed as by-product (generation in MT/annum)	
iv.	Detailed Composition and Characteristics of the material (as per Schedule-II of HOWM Rules, 2016)	

v.	Current management practices for the proposed by-product material.	
vi.	MSDS (as per MSIHC Rules) of proposed by-product material	
	Whether any pre-treatment / processing is required prior to end-usage of the proposed by-product material (i.e. production stage); if yes please provide process details.	
ix.	Details of the process wherein the material (as by-product) is proposed for end-usage (Outline manufacturing process, chemical reactions) (attach flowchart along with mass balance)	
vii.	Is Pre-feasibility study has been carried out for use at production stage of the proposed material ('By-product'). If yes, attach copy.	
viii.	<p>Is Environmental Impact and Risk Assessment Studies have been carried out for (i) Production stage and (ii) end-usage of the proposed material (as 'By-product'). If yes, attach copy.</p> <p>Note: The end usage of product manufactured from the proposed material (as by-product) shall not be permitted for utilization in production of pharma, fertilizer and food products, unless the same is approved by the concerned department such as DoA, DoF, FSSAI, CDSCO, etc.</p>	
x.	BIS standards or any other quality specifications for the intended end use of the material produced using the proposed byproduct.	
xi.	Provide justification for categorization of proposed material as By-product	
<b>2. Findings of Pre-feasibility studies, Environmental Impact and Risk Assessment Studies</b>		



i.	Details of the material which the proposed by-product is expected to substitute and its end use process.	
ii.	<p>Composition and Characteristics of the product presently in use (prior to supplementing with by-product) Please provide standard/desired concentration levels.</p> <p>Also, provide concentration level of constituents that are present in the proposed by-product material (as per Schedule II of HOWM Rules, 2016 for each of the constituent examined for proposed by-product material)</p>	
iii.	Acceptability of the proposed by-product's composition compared to product presently in use especially, in terms of products that are being produced in the process where the proposed by product is proposed to be used.	
iv.	Impact on the existing process where the by-product material is proposed to be used both at Production stage and end-use stage;	
	a. Generation and type of Hazardous Waste	
	b. Generation and characteristics of the Wastewater	
	c. Generation and characteristics of the Emissions	
	d. Release of contaminants in Work Zone	
v.	Details on the changes required in the existing air/water consents and authorization, where the proposed by-product is intended to be used.	
vi.	Impact on the adequacy of pollution control measures presently in place especially in the context of their need up gradation in compliance, where the proposed by-product is intended to be used.	

vii.	Cost of Upgrading of presently employed Pollution Control Devices	
viii.	Expected impacts on the environment and human health, where the proposed by-product is intended to be used (in line with EIA studies)	
ix.	Analysis of Risks involved in the end use of the material/product derived by using proposed by-product and identification of the additional requirements in the management plans	
x.	The overall impact of using the proposed by-product in the process where a fresh product is currently in use in the country in terms of the quality of the products that are being produced and the wastes which get generated	
xi.	The overall environment and human health impact of using the proposed by-product in the process where a fresh product (which would be Partially or fully substituted by the proposed by-product) is currently in use and the risks involved in doing so.	
xii.	Present status of the demand and supply of the product (which would be partially or fully substituted by the proposed by-product, as the case may be) presently in use.	
xiii.	Impact on the market of the product as a result of the substitution by the proposed by-product.	
xiv.	Scope for the substitution of the product currently in use especially in case the product itself is not the primary product of the industry where it gets produced.	
xv.	Justification on acceptability of findings	