



# Rajasthan State Pollution Control Board

Headquarter, 4, Institutional Area, Jhalana Doongri, Jaipur-302004

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## Office Order

Central Pollution Control Board (CPCB) under Section 5 of the Environment (Protection) Act, 1986 issued directions dated 27/11/2024 regarding implementation of CPCB's "Framework on Identification of Materials Generated from Industrial Processes as Wastes or By-products." The State Board hereby adopts the referred framework and all Group In-charges and Regional Officers are hereby directed the following:

1. Ensure Identification and declaration of any material (generated from industrial processes) as "by-product" shall be carried out as per the criteria and guiding factors laid down under CPCB's "Framework on Identification of Materials Generated from Industrial Processes as Wastes or By-products."
2. Application for proposals for identification of materials generated from Industrial processes as by-product, be made by the applicant to the State Board only in Common Application Form as communicated by CPCB vide letter dated 02/04/2024 (copy enclosed).
3. All Group In-Charges and regional officers are directed to forward the application for proposals for identification of materials generated from Industrial processes as by-product to Hazardous waste cell for onward submission to Technical Expert Committee (TEC) for classification as per CPCB's framework.
4. All the applications received in Hazardous waste cell shall be forwarded to the Technical Expert Committee (TEC) constituted vide office order No. F.12( Project-226)/ RSPCB/ Vol.-2/2378-2383 dated 07/11/2023.
5. All Regional Officers are directed to ensure that the field inspecting teams to examine (during routine inspections) that if any industrial process material is being utilized as by-products, the case shall be forwarded to the Hazardous waste cell for onward submission to Technical Expert Committee (TEC) for classification as per CPCB's framework.


This bears the approval of competent authority

  
(Kapil Chandrawal)  
Member Secretary

F.16 (Gen.-201)/RPCB/Haz./ 83-90  
Copy to following for information/necessary action:-

Date: 05-05-2026 <sup>o/c</sup>

1. P.S to Chairperson, RSPCB, Jaipur.
2. Sr. P.A to Member Secretary, RSPCB, Jaipur
3. CEE/CSO/HOO, RSPCB, Jaipur
4. The All Group In-Charge, RSPCB Jaipur.
5. The Regional Officer, Regional Office RSPCB, Alwar, Balotra, Bharatpur, Bhiwadi, Bhilwara, Bikaner, Bundi, Banswara, Behror- Kotputli Chittorgarh, Hanumangarh, Jaipur(South), Jaipur(North), Jaipur (City), Jodhpur(Urban), Jodhpur(Rural) Jaisalmer, Jhalawar, Jhunjhunu, Kishangarh, Kota, Nagaur, Pali, Rajsamand, Sikar, Sirohi, Sawai Madhopur, Udaipur.
6. The ACP, RSPCB, Jaipur with directions to upload office order on the State Board's website with provision of the weblink of the common application form.

  
Member Secretary <sup>o/c</sup>



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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**

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

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://cpcb.nic.in/uploads/hwmd/Guidelines\\_HW\\_2.pdf](https://cpcb.nic.in/uploads/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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**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.	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.  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.	
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.	Composition and Characteristics of the product presently in use (prior to supplementing with by-product) Please provide standard/desired concentration levels.  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)	
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	