



F.No.CP-20/137/2021-UPC-II-HO-CPCB-HO

Date: 11 . 11 .2024

To,

**The Member Secretary
All SPCBs/PCCs**

Sub: - Directions under Sec 5 of Environment (Protection) Act, 1986 for enforcement of Rule 4(h) and 4(ha) of Plastic Waste Management (PWM) Rules

WHEREAS, the Ministry of Environment, Forest & Climate Change (MoEF&CC) notified the PWM Rules, 2016, in exercise of the powers conferred under section 3,6, & 25 of the Environmental (Protection) Act, 1986 Vide Notification No. G.S.R. 320 (E) dated March 27, 2016; and

WHEREAS, under rule 4(h) of PWM Rules 2016 (as amended), "*the provision of thickness under clause (c) shall not apply to carry bags or commodities made from compostable plastic or biodegradable plastics. Carry bags and commodities made from compostable plastics shall conform to the Indian Standard: IS/ISO 17088:2021 titled as Specifications for Compostable Plastics*"; and

WHEREAS, under Rule 4(ha) of PWM Rules 2016 (as amended) "*the manufacture of carry bags and commodities covered under sub rule (3) shall be permitted to be made from compostable plastics or biodegradable plastics subject to mandatory marking and labelling laid down under these rules and the regulations of the Food Safety and Standards Authority of India for food contact applications. The manufacturers of compostable plastic or biodegradable plastic carry bags or commodities permitted under the rules, shall obtain a certificate from the Central Pollution Control Board before marketing or selling*"; and

WHEREAS, Central Pollution Control Board has updated Standard Operating Procedure (SOP) for issuing Certificate to Manufacturers of Compostable Plastic Carry Bags and commodities in August 2022; and the same is uploaded on CPCB website at <https://cpcb.nic.in/uploads/plasticwaste/SOP-IssueCert-CompostableplasticManufacturers.pdf> and enclosed as **Annexure-I**.

WHEREAS, the updated list of manufacturers to whom CPCB has issued above mentioned certificates is available on the E-Certification portal at <http://plastic.cpcb.gov.in/compostable/dashboard> ; and

WHEREAS, details related to these manufacturers along with the copy of issued certificate have been regularly forwarded to your office; and

WHEREAS, CPCB has developed SOP for Quick Verification Tests to distinguish Compostable Plastics from Conventional Plastics and the same is uploaded on CPCB website at https://cpcb.nic.in/uploads/plasticwaste/SOP_for_quick_identification.pdf and enclosed as **Annexure-II**; and

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

Parivesh Bhawan, East Arjun Nagar, Delhi - 110 032.

दूरभाष /Tel : 43102030, 22305792, वेबसाइट/Website: www.cpcb.nic.in

WHEREAS, as per provision 11(1(c)) of PWM Rules, 2016 (as amended), each plastic carry bag and multilayered packaging shall have "*name and registration certificate number for producer or importer or brand owner generated through centralized online portal specified in Schedule II for plastic packaging with effect from 1 January, 2025 and number of certificate issued under clause (h) of sub-rule (4) in case of plastic sheet or like used for packaging and plastic packaging as well as carry bags commodities made of compostable plastic, as applicable*"; and

WHEREAS, as per provision 11(1(d)) of PWM Rules, 2016 (as amended), each plastic carry bag and multilayered packaging shall have *name and certificate number issued under clause (h) of sub-rule 4 in case of plastic sheet or like used for packaging and plastic packaging as well as carry bags and commodities made of biodegradable plastic; and*

WHEREAS, in accordance with section 2.7(iv) of SOP, field verification of the units shall be carried out by SPCB/PCC covering at least 10% of the units in their States/UTs biannually as per the prescribed format (**Annexure-V** of SOP); and

WHEREAS, in accordance with section 2.7(vi) of SOP, State Boards are further required to carry out the market survey to ensure availability of certified compostable carry bag at the consumer end; and

WHEREAS, in accordance with section 2.7(vii) of SOP, SPCB/PCCs are required to submit the six-monthly compliance report in the prescribed format of above inspection and market survey to CPCB as per the prescribed format (**Annexure-VI** of SOP); and

WHEREAS, vide letter dated 04.03.2021 CPCB has issued directions to all SPCB/PCCs which included the following directions:

- a. To complete field verification of all units located in your state/UT by March 31, 2021. Subsequently, field verification of 10% of the units located in your states to be conducted every six months.
- b. To carry out a market survey to ensure the availability of certified compostable bags in your state/UT.
- c. To verify the six-monthly report submitted by Manufacturers/sellers.
- d. To submit the six-monthly compliance report in the prescribed format (inclusive of (a) - (c) above) to CPCB.

WHEREAS, as per the information provided by your office,

- There were no manufacturers or sellers of compostable plastics in your jurisdiction. (for Mizoram, Chandigarh, Sikkim, Odisha, Nagaland, Bihar, Tripura)
- Inspection of ... unit conducted and out of ... , .. units were found to be operational and complying. (for MP, Kerala, Puducherry, Telangana, Delhi).
- Inspection is under process/ to be conducted by concerned ROs. However, no further information has been provided in this matter. (for HP, Chhattisgarh, Rajasthan and Maharashtra)
- However, no information has been provided on this matter. (for remaining states/UTs)

WHEREAS, CPCB has received complaints indicating that several compostable plastic manufacturing units are in non-compliance with the Plastic Waste Management Rules, 2016 (as amended), and are also violating the conditions of the compostable plastics certificates issued by CPCB.

WHEREAS, in accordance with section 2.6(ii) of SOP, CPCB is issuing one time final certificate to compostable plastic manufacturer and hence monitoring of the units is to be strengthened to ensure compliance with the stipulated conditions; and

NOW, THEREFORE, in view of above and in exercise of powers vested under Section 5 of EPA, the following directions are issued for compliance.

- a. To conduct inspection of all compostable plastic manufacturing units located in your state/UT. Necessary assistance may be sought from CIPET, if required.
- b. Subsequently, conduct field verification of 10% of the units located in your State/UT every six months as per SOP.

You are required to confirm receipt of this direction and submit action taken report to this office by November 30, 2024.


(Tanmay Kumar)
Chairman 

Copy to: -

1. The Additional Secretary
Ministry of Environment, Forests &
Climate Change
Indira Paryavaran Bhawan, Jor Bagh
Road,
Delhi New -110003 : For kind information, please
2. Regional Directorates, CPCB : For follow up with concerned
SPCBs/PCCs in your jurisdiction,
please
3. The Director,
Central Institute of Petrochemicals
Engineering & Technology : For technical assistance please
4. Incharge, IT Division : For uploading a copy of these
directions on CPCB website,
please


(Bharat Kumar Sharma)
Member Secretary

o/c

Information Provided from SPCBs:-

S.No.	State	Information
1	Mizoram	No Compostable manufacturers/ Sellers unit.
2	Chandigarh	No compostable unit. In survey compostable carry bags are available in Chandigarh.
3	Sikkim	No Compostable manufacturers/ Sellers unit.
4	Odisha	No Compostable manufacturers/ Sellers unit. In survey compostable carry bags are available in Odisha.
5	Nagaland	No Compostable manufacturers/ Sellers unit.
6	Madhya Pradesh	one unit in MP & not in operation at present. Survey regarding availability compostable plastic may be conducted -- an independent agency.
7	Himachal Pradesh	2 unit available field visit to be conducted.
8	Bihar	No Compostable manufacturers/ Sellers unit.
9	Kerala	4 Units in the state Biannual report submitted
10	Chhattisgarh	Matter has been conveyed to concern office.
11	Puducherry	One unit inspected
12	Tripura	No Compostable manufacturers/ Sellers unit.
13	Maharashtra	matter has been conveyed to concern RO.
14	Telangana	Inspected 5 units
15	Rajasthan	Field visit to be carried out of 3 units
16	Delhi	7 unit as per list out of which only 2 were currently manufacturing compostable bags along with other plastic

Annexure -I

**Standard Operating Procedure (SOP) for Issuing
Certificate to Manufacturers/Sellers of Compostable
Plastic Carry Bags and Commodities**

(Rule 4(h) of Plastic Waste Management (PWM) Rules,
2016)



August 2022

Central Pollution Control Board

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CENTRAL POLLUTION CONTROL BOARD

Standard Operating Procedure (SOP) for Issuing Certificate to Manufacturers/Sellers of Compostable Plastic Carry Bags and commodities or both (Rule 4(h) of Plastic Waste Management (PWM) Rules, 2016)

1 Introduction

“Compostable plastic” as defined in Rule 3(e) of PWM Rules, means “plastic that undergoes degradation by biological processes during composting to yield CO₂, water, inorganic compounds and biomass at a rate consistent with other known compostable materials, excluding conventional petro-based plastics, and does not leave visible, distinguishable or toxic residue.”

As per the Rule 4(h) (Conditions) of PWM Rules, 2016, the manufacturers or sellers of compostable plastic carry bags or commodities or both have to obtain certificate from the Central Pollution Control Board before marketing or selling compostable carry bags or commodities or both.

This revised SOP is modified version of earlier SOPs dated 15/2/2018 and 26/12/2019 issued consequent to notification of Plastic Waste Management Rules to facilitate easy filing, uniformity in scrutiny and also to maintain transparency in issuance of certificate in accordance with Clause 4(h) of the PWM Rules. The revised SOP is in line with the provisions of Plastic Waste Management Rules , 2016 as amended.

2 SOP for issuance of Certificate

2.1 Submission of application

- i. The manufacturer/seller of compostable plastic carry bags or commodities or both can apply to CPCB for the registration, along with the prescribed documents and prescribed fees (as given in table one) on the portal “Compostable Plastic E-Certification”

Table 1: Application Fees

Manufacturer		
S.No.	Manufacturing Capacity (TPA)	Application Fee (Rs.)
1.	<200	5000
2.	200-2000	20,000
3.	>2,000	50,000
Sellers		
Uniform fee of Rs.5000 is applicable on Compostable Plastic carry bags and commodities sellers		

- ii. An application number shall be assigned and confirmatory e-mail be sent to the applicant on receipt of the application by CPCB.
- iii. The application shall be examined by CPCB and queries, if any, shall be communicated to the applicant within seven working days of receipt of the application.
- iv. The applicant has to respond to CPCB's query and resubmit the application and along with the requisite details/documents and prescribed resubmission fees as given below:

2.2 Guidance for Filling Application for manufacturer

S.No.	Item	Details
1	Address	
	A	Name and full address along with telephone numbers, e-mail and other contact details of the Manufacturer/Manufacturing unit.
	B	Business address
		-Provide name and address of the manufacturer, manufacturing unit along with, telephone numbers, mobile numbers, e-mail id.
		Details of postal address to be mentioned in

			the application
2	A	Registration from concerned SPCB/PCC	<p>-In accordance with Rule 13(1) of PWM Rules, Registration issued by the concerned SPCB/PCC for manufacturing of Compostable Plastic has to be provided</p> <p>-The Registration should be valid on the date of submission of the application (From concerned SPCB/PCC (for SUP Manufacturers) and on Centralized EPR Portal for Plastic packaging manufacturers)</p>
3	Production details		
	A	Raw material used (bio-based/non-bio based, nature of additive used etc.);	<p>-Name of raw material used</p> <p>-In case of imported material, necessary documents to be attached</p> <p>-Documents supporting procurement of raw material to be provided(tax invoice etc.)</p>
	B	Manufacturing process along with flow diagrams	<p>-</p> <ul style="list-style-type: none"> - Detailed process flow diagram indicating <u>input raw material, process steps, final products</u> and waste streams to be clearly indicated on the process flow diagram. - Process Flow should match with details provided at 3 A & B above.
	C	Details of end products and by-products	-Details of compostable products proposed to be manufactured at the plant
	D	Plant capacity for manufacturing compostable plastics (TPD)	<p>As per Consent to operate issued by SPCB</p> <p>- To be provided as per Consent/</p>

SOP for issuing Certificate to Compostable Plastic carrybags and commodities Manufacturers/Sellers

			Registration to operate issued by SPCB
4	A	Test reports as per Indian Standards IS/ISO: 17088 (as amended time to time).	<p>-Sample manufactured at the unit to be certified, to be sent for testing</p> <p>-Testing has to be done at CIPET or a laboratory recognised under the Laboratory Recognition Scheme, 2020, of the Bureau of Indian Standards or laboratories accredited for this purpose by the National Accreditation Board for Testing and Calibration Laboratories.</p> <p>-Name & Address of the unit, Date of submission of sample to the testing agency to be clearly indicated on the test report</p> <p>-Complete test report covering all four components- Disintegration, Aerobic biodegradation, Compost testing and Heavy Metal Analysis is to be submitted. The test results should comply with Indian Standards IS/ISO: 17088</p> <p><u>NOTE:</u></p> <p><u>-If cases where manufacturer procures compostable plastic sheet etc. as raw material from CPCB certified manufacturer to manufacture commodities, test report of the CPCB certified sheet manufacturer shall be provided</u></p>
5	A	Valid Consent Order(Air & Water) from concerned SPCB/PCC	<p>-In accordance with Rule 13(5) of the PWM Rules</p> <p>-The Consent should be valid on the date of submission of the application</p>

6	A	Details of pollution control measures.	Measure for control of Air & water pollution and solid waste to be specified
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Underwriting as per format given in Annexure VII has to be submitted along with the application.

2.3 Guidance for Filling Application for Seller

S.No	Items	Details
1	General Information	
	Company Name Registered Address e-mail contact details	-Provide name and address of the Seller, Selling unit along with postal address, telephone numbers, mobile numbers, e-mail id.
	Additional details (for import)	Name of the country & Address of manufacturing unit located abroad from where the seller proposes to import of Compostable commodities.
2	Procurement Details	
A	Name of manufacturer for procurement of compostable plastic bags/ commodities	Select the manufacturer from whom seller proposed to procure.
B	Name of the product	Products details which is to be marketed.
C	Quantity proposed to be procured (TPA)	Proposed quantity of product to be procured.
D	Registration issued by SPCB/PCC to concerned manufacturer as per Rule 13(1) of Plastic Waste Management, 2018 for manufacturing of	Upload the registration certificate issued to the CPCB certified

SOP for issuing Certificate to Compostable Plastic carrybags and commodities Manufacturers/Sellers

	compostable carry Bags or commodities or both	manufacturer.
E	Authorization letter issued by CPCB certified manufacturer	Upload the letter issued by by CPCB certified manufacturer
F	Name and Address of Dealers, Stock lists and Uses and Users To whom the product is to be sold	Details of Dealers, stocklists and users of the product.
3.	Test reports as per Indian Standards IS/ISO 17899: 2022 (in case of imports).	<p>-Sample imported at the unit to be certified, to be sent for testing</p> <p>-Testing has to be done at CIPET or a laboratory recognized under the Laboratory Recognition Scheme, 2020, of the Bureau of Indian Standards or laboratories accredited for this purpose by the National Accreditation Board for Testing and Calibration Laboratories.</p> <p>-Testing of compostability of plastics shall be in line with the IS/ISO 17088:2021.</p> <p>-Name & Address of the unit, Date of submission of sample to the testing agency to be clearly indicated on the test report.</p>

- Undertaking as per format given in Annexure VII has to be submitted along with the application

2.4 Checklist of Documents required for Certification

2.4.1 Manufacturers

Checklist of Documents required for Certification of Compostable plastic manufacturer is given below:

- i. PAN details of the Company
- ii. Consents under Air / Water Act issued by SPCB/ PCC
- iii. Registration Certificate for production of compostable carry bags or commodities or both issued by concerned SPCB/PCC under Rule 13(i) of Plastic Waste Management Rules,2018 (From concerned SPCB/PCC (for SUP Manufacturers) and on Centralized EPR Portal for Plastic packaging manufacturers)
- iv. Process flow diagram
- v. Copy of document giving details of pollution control measures
- vi. Documents supporting procurement of raw material (Tax invoice etc).
- vii. Test report of sample as per IS/ISO 17088: 2021 (Testing has to be done at CIPET or a laboratory recognised under the Laboratory RecognitionScheme, 2020, of the Bureau of Indian Standards or laboratories accredited for this purpose bythe National Accreditation Board for Testing and Calibration Laboratories)

2.4.2 Seller

- i. PAN details of the company
- ii. Copy of Registration Certificate issued to the certified CPCB manufacturer for production of compostable carry bags or commodities or both issued by

concerned SPCB/PCC under Rule 13(i) of Plastic Waste Management Rules, 2018

- iii. Authorization letter issued to the seller from the concerned manufacturer.
- iv. **Test reports as per Indian Standards IS/ISO 17088: 2021.** -Testing has to be done at CIPET or a laboratory recognised under the Laboratory Recognition Scheme, 2020, of the Bureau of Indian Standards or laboratories accredited for this purpose by the National Accreditation Board for Testing and Calibration Laboratories. (To be submitted only in case of import of Compostable commodities)

2.5 Processing of application

- i. The application shall be examined by CPCB and queries, if any, shall be communicated to the applicant **within seven working days** of receipt of the application.
- ii. The applicant has to respond to CPCB's query and if no response is received from the applicant **within thirty days of receipt of CPCB query,** failing which the application shall be considered as rejected.
- iii. The certificate shall be **generated**, if CPCB does not send any response to the applicant within one month of the receipt of the application in its office.

2.6 Issuing of Certificate

- i. Certificate in accordance with Rule 4(h) of the PWM Rules 2016 as amended, shall be issued **within seven working days** of submission of the application complete in all respects. Copy of the Certificate shall be provided to the concerned SPCB/ PCC. Format of certificate for manufacturer and seller is given in **Annexure I and Annexure II respectively**
- ii. The certificate issued by CPCB shall be valid unless it is revoked for violation of conditions stipulated in the Certificate. However, if there is a change in raw material/ production process or product, fresh application shall be filed to CPCB for issuing of fresh certificate.

- iii. If the unit does not have a valid registration from concerned SPCB/PCC (for SUP Manufacturers) and on Centralized EPR Portal for Plastic packaging manufacturers, then the certificate shall be issued with the condition that the manufacturer/seller shall manufacture/sell the compostable carry bags or commodities or both only after they obtain a valid Registration for manufacturing of Compostable carrybags or commodities or both from concerned SPCB/PCC. The Registration should be submitted to CPCB within 03 months of issue of the Certificate by CPCB, failing which the Certificate shall stand cancelled.
- iv. Provisional Certificate shall be issued in the following two cases:
 - a) Interim test report as per IS/ISO:17088 covering first two components (a) Disintegration during composting and Ultimate aerobic biodegradation is submitted. Final certificate in such cases shall be issued on submission of complete test report covering all four components- , including seed germination and heavy metal analysis test (after 180 days),
 - b) If the sample has been sent for testing prior to grant of Consent to Operate from SPCB/PCC indicating the sample has not been manufactured at the unit under consideration, the unit shall send a fresh sample manufactured at the unit for testing after the grant of the provisional certificate. Final certificate, in such cases shall be issued after submission of complete test report. The condition regarding fresh testing of the sample in such cases shall be included in the certificate to be issued to the concerned unit
 - c) The validity of provisional certificate shall be six months , which is extendable by six months, subject to the condition that the reasons cited by the applicant seeking extension are found valid by CPCB. Format of the provisional certificate is given at **Annexure III**
- (iv) Member Secretary, CPCB shall be the approving authority for issuing of the Certificate and Divisional Head, UPC II, CPCB shall be the designated signatory on the Certificate.

2.7 Monitoring Mechanism

- i. Each plastic carrybag or commodities or both and multi-layered packaging shall have the information related to name and certificate number of manufacturer [Rule 4(h)] in case of carry bags or commodities or both made from compostable plastic printed in English on the bag in accordance with 11(1) of PWM Rules.
- ii. In addition, the manufacturer shall generate QR code based on the details provided in the certificate issued by CPCB and QR code shall be provided on each of the carrybag or commodities or both manufactured at the certified unit. The details of the QR code(email/password, Name, plant address, CPCB certificate no. etc.) shall be shared with the SPCB/PCC/CPCB. on the online portal "Compostable Plastics - E Certification".
- iii. The Manufacturer/ seller shall provide six-monthly report, giving details of raw material procurement and product sale including GST details to CPCB on the online portal "Compostable Plastics - E Certification" as per the format at **Annexure- IV**
- iv. Field verification of the units shall be carried out by SPCB/PCC covering atleast 10% of the units in their States/UTs in every bi-annually. The format for field verification is placed at **Annexure-V**
- v. Random checks of consignments in case of import of compostable plastics commodities is to be carried out by the concerned authorities.
- vi. Market survey shall be carried out to ensure availability of certified compostable carry bag or commodities or both at the consumer end.
- vii. SPCBs/PCCs shall submit the six- monthly compliance report covering point i-v, to CPCB on the online portal "Compostable Plastics - E Certification" The format for report is at **Annexure-VI**
- viii. CPCB shall independently conduct field verification of the certified units annually as per prescribed format (**Annexure V**) and market survey to assess the compliance of the PWM Rules w.r.t manufacture and sale of compostable plastics

- ix. If at any stage, the manufacturer and seller of compostable bags is found to be violating the stipulated norms, the certificate issued by CPCB, shall stand cancelled

2.8 Cancellation of Certificate

- i. CPCB may cancel or suspend the certificate of the manufacturerer/seller, in case the manufacturer fails to comply with any of the conditions of the certificate.
- ii. If any manufacturer/seller, is found to be violating the provision of certificate, during random checking by CPCB or based on verification by SPCBs, a notice shall be issued by CPCB.
- iii. An opportunity will be given to hear the manufacturer/seller within fifteen days from the date of issuance of notice; prior to considering the case for cancellation or suspension of EPR authorisation by CPCB.
- iv. The decision on cancellation or suspension of authorization will be intimated within 10 working days after hearing.
- v. Chairman CPCB will be the final authority for taking decision on cancellation or suspension.

2.9 Applicability of SOP

- (i) SOP shall be applicable to all application received after the date of issue of the current SOP.
- (ii) The applications under process at CPCB for issue of Certificate shall be assessed as per provisions of the current SOP.
- (iii) Certificates , which have already been issued by CPCB as on date, shall be reviewed as per provisions of this SOP within a period of three months from the issue of the current SOP and necessary action as required shall be taken by the manufacturer/SPCB/PCC/CPCB .

ANNEXURE I

Certificate No.-

Dated:

To,

M/s....

Sub: Certificate to manufacturer for Manufacturing / Selling of Compostable Carry Bags and commodities

With reference to the application no..... this is to certify that **M/s. (Name & Address of the Unit)** .is fulfilling the criteria as per revised Standard Operating Procedure (SOP) for issuing certificate as per the provisions '4(h)'&'11(c)' of Plastic Waste Management Rules, 2018, for manufacturing and selling of compostable carry bags and commodities in Indian Market as '**MANUFACTURER**'.

Certificate for manufacturing and selling of compostable plastic bags in Indian market is hereby issued to to as '**MANUFACTURER**' with the following conditions:

- i. The end product shall be manufactured using the raw materials and following the production process (**Annexure I**)
- ii. Each carrybag and commodities made from compostable material or plastic shall bear a label "**COMPOSTABLE**" **IS/ISO:17088** titled as Specifications for "Compostable Plastic" in **English & regional language**. Each carrybag shall also have printed code and Certificate Number of "**MANUFACTURER**".
- iii. The manufacturer shall generate QR code based on the details (Name, plant address, CPCB certificate no. etc.) provided in the certificate issued by CPCB and QR code shall be provided on each of the carry bag and commodities manufactured at the certified unit. The "verifiable" details of the QR code shall be shared with the SPCB/PCC/CPCB within one month of issue of this Certificate
- iv. This certificate issued by CPCB shall not require renewal. However, a fresh application shall be filed with CPCB for grant of certificate , in case there is any change in raw material/ production process or product.
- v. The Manufacturer shall provide six-monthly report giving details of raw material procurement and product sale to SPCB/PCC/CPCB as per the prescribed format

- vi. The "Manufacturer" shall comply with provisions of PWM Rules/ Guidelines issued from time to time by the Ministry of Environment, Forest & Climate Change or Central Pollution Control Board
- vii. The manufacturer/seller shall manufacture/sell the compostable carrybags and commodities only after they obtain a valid Registration for manufacturing of Compostable carrybags and commodities from concerned SPCB/PCC. The Registration should be submitted to CPCB within 03 months of issue of the Certificate by CPCB, failing which the Certificate shall be revoked . **(To be included if valid registration is not submitted along with the application)**
- viii. If the certified Manufacturer is found non-complying with the provisions of the PWM Rules, 2018, the Certificate shall stand cancelled

(Name & designation)

ANNEXURE II

Certificate to seller for Marketing and Selling of Compostable Carry Bags and commodities

Certificate No.-

Dated:

To,

M/s.....

With reference to the application no..... this is to certify that **M/s.** is fulfilling the criteria as per revised Standard Operating Procedure (SOP) for issuing certificate as per the provisions '4(h)' & '11(c)' of Plastic Waste Management Rules, 2018, for marketing and selling of compostable carry bags and commodities such as in Indian Market as '**SELLER**'.

Central Pollution Control Board, hereby, grant the permission to as '**SELLER**' for Marketing and Selling of compostable carry bags and commodities in Indian Market subject to the following conditions

- i. The Certified '**SELLER**', **M/s.....**, shall comply with the provisions of '**4(h)**' & '**11(c)**' of the PWM Rules, 2018, notified under the Environmental (Protection) Act, 1986.
- ii. The certified Seller, **M/s.**, shall comply with conditions for compliance as per any Guidelines issued from time to time by the Ministry of Environment, Forest & Climate Change or Central Pollution Control Board.
- iii. The seller shall provide six-monthly details of procurment of compostable carry bags and commodities from registered manufacturer as per prescribed format.
- iv. **The seller shall provide quantity details of sales of compostable carry bags and commodities .**
- v. Each carrybag and commodities made from compostable material or plastic shall bear a label "**COMPOSTABLE**" **IS/ISO:17088** titled as Specifications for "Compostable Plastic" in **English & regional language**. Each carrybag shall also have printed code and Certificate Number of "**Seller**".
- vi. If any stage, information provided by the seller, is found to be incorrect then the Certificate granted by CPCB shall stand cancelled.

(Name & designation)

ANNEXURE III

Certificate No.-

Dated:

To,

M/s....

Sub: Provisional Certificate to manufacturer for Manufacturing / Selling of Compostable Carry Bags and commodities

With reference to the application no..... this is to certify that **M/s. (Name & Address of the Unit)** .is fulfilling the criteria as per revised Standard Operating Procedure (SOP) for issuing certificate as per the provisions '4(h) & '11(c)' of Plastic Waste Management Rules, 2018, for manufacturing and selling of compostable carry bags and commodities in Indian Market as '**MANUFACTURER**'.

Certificate for manufacturing and selling of compostable plastic bags in Indian market is hereby issued to to as '**MANUFACTURER**' with the following conditions:

- i. The end product shall be manufactured using the raw materials and following the production process (**Annexure I**)
- ii. Each carrybag and commodities made from compostable material or plastic shall bear a label "**COMPOSTABLE**" **IS/ISO:17088** titled as Specifications for "Compostable Plastic" in **English & regional language**. Each carrybag and commodities shall also have printed code and Certificate Number of "**MANUFACTURER**".
- iii. The manufacturer shall generate QR code based on the details (Name, plant address, CPCB certificate no. etc.) provided in the certificate issued by CPCB and QR code shall be provided on each of the carry bag and commodities manufactured at the certified unit. The "verifiable" details of the QR code shall be shared with the SPCB/PCC/CPCB within one month of issue of this Certificate
- iv. The Manufacturer shall provide six-monthly report giving details of raw material procurement and product sale to SPCB/PCC/CPCB as per the prescribed format
- v. The "Manufacturer" shall comply with provisions of PWM Rules/ Guidelines issued from time to time by the Ministry of Environment, Forest & Climate Change or Central Pollution Control Board

- vi. The manufacturer/seller shall manufacture/sell the compostable carrybags and commodities only after they obtain a valid Registration for manufacturing of Compostable carrybags and commodities from concerned SPCB/PCC. This Registration should be submitted to CPCB upon its receipt from concerned SPCB/PCC. **(To be included if valid registration is not submitted along with the application)**
- vii. If the certified Manufacturer is found non-complying with the provisions of the PWM Rules, 2018, the Certificate shall stand cancelled
- viii. The manufacturer shall submit the complete test report of the sample, including seed germination and heavy metal analysis test (after 180 days) as per Indian Standard IS/ISO:17088 (as amended time to time) from CIPET or any other CPCB recognized Government laboratory having adequate testing facility for issuing Final Certificate, failing which, the Provisional Certificate shall stand cancelled **(To be included when not complete test report not submitted)**
- ix. The manufacturer shall submit a fresh complete test report of the sample within Six (6) months from the date of issue of Provisional Certificate as per Indian Standard IS/ISO:17088 (as amended time to time) from CIPET or any other CPCB recognized Government laboratory having adequate testing facilities for issuing final Certificate **(To be included when the date of initiation of test is before grant of Consent by the SPCB/PCC)**
- x. The provisional certificate is valid for a period of six months extendable by six months subject to the condition that the reasons for seeking extension as cited by the manufacturer are found valid by CPCB

(Name & designation)

ANNEXURE-IV

Format for Six-monthly Report

Duration - - - to - - -

For manufacturer :

1. Details of manufacture of Compostable carry bags or commodities or both

S.No.	Name of the Raw material suppliers	Date of Purchase	Quantity(kg)	Supporting documents (invoice copy No.)	GST details
i.					
ii.					
iii.					

2. Details of sale of Compostable carry bags or commodities or both

S.No.	Name of the firms/distributors to which compostable carry bags or commodities or both sold	Date of sale	Quantity(kg)	Supporting documents (invoice copy No.)	GST details
i.					

For seller :

1. Details of purchase of Compostable carry bags or commodities or both

S.No.	Name of the CPCB certified manufacturers	Date of Purchase	Quantity(kg)	Supporting documents (invoice copy No.)	GST details
i.					
ii.					
iii.					

2. Details of sale of Compostable carry bags or commodities or both

S.No.	Name of the firms/distributors to which compostable	Date of sale	Quantity(kg)	Supporting documents (invoice copy No.)	GST details

SOP for issuing Certificate to Compositble Plastic carrybags and commodities Manufacturers/Sellers

	carry bags or commodities or both sold				
i.					
ii.					

ANNEXURE V

INSPECTION REPORT FOR COMPOSTABLE PLASTIC MANUFACTURER

Date of Inspection: _____

01.	Name and complete Postal Address of the industry.			
02.	Contact Person with Telephone / Fax / E-mail.			
04.	Name & designation of the officials conducting inspection			
05.	Year of commissioning.			
06.	Information about the industry			
	(a) Installed capacity			
	(b) Actual production			
	c) Number of employees .			
07.	Status of Consent to operate(Air& Water Act) / Registration (PWM Rules) / Authorization (HWM Rules) (Validity date to be provided) (Pl. attach copy)		Consent (Air) :	
			Consent (Water)	
			Registration (PWM Rules)	
			Authorization (HWM Rules)	
08.	Raw Material Details			
	Sl. No	Raw material	Consumption per tonne of the product	Source of procurement (pl. attach supporting document)
	i			
	ii			
	iii			
GST details				

09. Products & By-products details					
SI. No.	Product/ product	By-	Quantity produced (TPD)	Details regarding products sales (pl. attach supporting documents)	GST Details
10.	Process details with Block Diagram.				
12	Confirmation regarding marking and labelling of compostable carry bags and commodities as per provisional certificate (Yes/No)				
13	Confirmation regarding bar coding of compostable carry bags (Yes/no)				
13	Confirmation regarding availability of raw material for compostable carry bag and commodities (as per provisional certificate) at the unit (Yes/No)				
14	Confirmation regarding availability of finished product for compostable product (as per provisional certificate) at the unit (Yes/No)				
13.	Operational status :				
23	Recommendations :				
24.	Signature of the visiting officials.				

ANNEXURE VI

**FORMAT FOR BI-ANNUAL REPORT ON COMPOSTABLE PLASTICS TO BE
SUBMITTED BY SPCB/PCCs to CPCB**

DURATION :

SI.No	Item	Remarks	
1	Number of Compostable plastic manufacturing units in the State/UT		
2	Total Production capacity of the units		
3	Information as per Six-monthly Reports submitted by the Units		
a	Number of units which have submitted Six-monthly Reports		
b	Total raw material consumption (Tonnes for six-months period)		
c	Actual Production of the units (Tonnes for six-months period)		
d	Actual Product Sales of the units(Tonnes for six-months		
4	Inspection of Units		
a	Number of Units inspected during the quarter (Please attach the inspection report)		
b	Number of units found complying with the provisions of		
c	Number of units found non complying with the provisions of		
5	Market Survey		
a	Number of manufacturers whose products were available in the market		
b	Number of product samples collected from the market		
c	Number of samples found complying with labelling/		
d	Number of samples found complying with barcode		
e	Number of samples tested in CIPET of recognized Govt.		
f	Number of samples found complying with the		
6	Action against non-complying units		
SI. No.	Name of the unit	Nature of non-compliance	Action taken against the non-complying unit

ANNEXURE VII

**LETTER OF UNDERTAKING FOR REGISTRATION OF COMPOSTABLE CARRY
BAGS/COMMODITIES**

(On Stamp Paper of ₹100/- Duly Notarized)

I-----registered manufacturing unit at address -----having requisite requirements for obtaining Certificate for Manufacturing/Selling of Compostable carry bags/commodities do hereby solemnly affirm that;

1. We have duly complied with all the necessary & requisite requirements in respect of the provisions of the Plastic Waste Management Rules, 2018 & as per Standard Operating Procedure (SOP) issued by CPCB to obtain the Certificate for Marketing & Selling of Compostable plastic carry bags and commodities in Indian Market.
2. We further undertake that in case any false information is found or fake products are manufactured/stocked/sold by my company or my authorised distributor, the Certificate issued by CPCB can be cancelled and suitable penal action shall be initiated under Section "5" & "15" of Environmental (Protection) Act, 1986 and no fresh application in my name or company name shall be entertained by CPCB.

Date: Signature of the Applicant

Place: (with seal)

Quick Verification Test to distinguish Compostable Plastics from Conventional Plastics

S No	Experiment	Observation	Inference
1	Take Dichloromethane (DCM) in test tube. Dissolve 2x2 cm film sample or few granules in Dichloromethane (DCM)	Dissolution of samples*	Confirm the presence of PLA and PBAT. PE and PP will not undergo dissolution.
2	Dissolve 2x2 cm film sample or few granules in boiled xylene	Dissolution of samples.	Confirm the presence of PE and PP. PLA and PBAT will not undergo dissolution.
3	Immerse few granules of sample in distilled water at ambient temperature	Float/Sink	Samples made from PLA and PBAT will sink and samples made from PE and PP will float on water.

***Note:**

- Styrene based polymers undergo dissolution in DCM and may appear as compostable plastics. Dense black smoke with soot in air will be observed on burning of Styrene based samples. In addition to that, identification by FTIR & DSC shall be carried out for confirmation of Styrene based polymers.
- The film sample containing starch and other additives may not undergo complete dissolution in DCM.