

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

Certificate No.- CPCB-UPC-II/Maa Bhagwati Bioplast and Compostable/ Dated: 01.02.2023 Uttarakhand/90

To,

M/s Maa Bhagwati Bioplast and Compostable Khasra No. 651&652 , Village Lalpur, Kunda Road Jaspur, US Nagar, Uttrakhand

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

With reference to the application no. Maa Bhagwati Bioplast and Compostable/Uttarakhand/90 dated 30 Jan 2023 this is to certify that M/s Maa Bhagwati Bioplast and Compostable plant located at Khasra No. 651&652, Village Lalpur, Kunda Road Jaspur, US Nagar, Uttrakhand 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 M/s Maa Bhagwati Bioplast and Compostable plant located at Khasra No. 651&652, Village Lalpur, Kunda Road Jaspur, US Nagar, Uttrakhand as 'MANUFACTURER' with the following conditions:

- i. The end product "Compostable plastic" shall be manufactured using the raw materials "PLA, PBAT" 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. 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.

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- 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. If the certified Manufacturer is found non-complying with the provisions of the PWM Rules, 2018, the Certificate shall stand cancelled

या सिन्हा / Sign Sinha

्रिय प्रदूष (Divya Sinha)

Additional Director & I/c UPC-॥ व्यवस्था, वन एवं जलबानु अ. a Envt. Forest & Care

पश्चिश भवन, पूर्वी अजु Parivesh Bhawan, East Age

32

MANUFACTURING PROCESS

The process flow chart is as under:

Compostable Granules (Raw Material – Biodegradable Corn Starch)

Hopper

(RMS Charging Station - in shape of funnel)

Extruder

(RMS Melting station – temperature upto 140-180 degree centigrade)

Die Bubble

(Equipment to convert molten raw material into hollow cylindrical sacks called bubbles)

Take Off unit

(Equipment to carry continuous hollow Cylindrical sack from die bubble and convert to flat sack)

Winder

(Equipment to wrap continuous flat sacks on paper roll)

Bottom Sealing Machine (Flat sack roll cut in pieces & bottom is sealed with this machine)

Cut Punch Machine (To make handles in carry bags)

> Finished Product (Ready for sale) Compostable Carry Bag

विद्या सिन्हा / Divya Sinha वैज्ञानिक "ई" / Scientist 'E'
बेडियं प्रदूषण नियंत्रण बोर्ड Central Pollution Control Board पर्यावरण, वन एवं जलवाय परिवरन महानव, माल स्थान आहे। अपने महानव परिवेश स्वन, पूर्व प्रतिकारक कि कि स्थान 110 032 Parvest answar fameter keyn lem 116 12

