



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/Golbiopacks pvt Ltd/Kerala/126**

Dated:- 01.03.2023

To,
M/s Golbiopacks Pvt Ltd
P-32, kinfra iit park, kanjikode P. O,
palakkad dist, kerala

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

With reference to the application no. **Golbiopacks pvt Ltd/Kerala/126**, Nil, dated **01 Mar 2023** this is to certify that **M/s Golbiopacks pvt Ltd** plant located at **P-32, kinfra iit park, kanjikode p. O, palakkad dist, kerala** 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 **M/s Golbiopacks pvt Ltd** plant located at **P-32, kinfra iit park, kanjikode p. O, palakkad dist, kerala** as '**MANUFACTURER**' with the following conditions:

- i. The end product "**Compostable plastic**" shall be manufactured using the raw materials "**Compostable starch granules, PLA, PBAT**" and following the production process (Annexure-I)
- ii. Each carrybags 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 carrybags and commodities shall also have printed code and Certificate Number of "**MANUFACTURER**" as given above.
- 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 bags 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.

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- vi. If the certified Manufacturer is found non-complying with the provisions of the PWM Rules, 2018, the Certificate shall stand cancelled.
- vii. **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.**
- viii. The provisional certificate is valid for a period of six months from the date of issue of certificate by CPCB extendable by six months subject to the condition that the reasons for seeking extension as cited by the manufacturer are found valid by CPCB

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Manufacturing Flow Chart for "Compostable" Bags.

1. Raw Materials:

"Compostable/Biodegradable" materials are readily available in granule forms in the market from the manufacturers, & we procure directly from them in granulation forms, some of them are as under.

1. UNIK POLY PACK -Nasik. (BASF agent)
2. TAPRATH ELATOMERS LLP.
3. ADVANCE BIO MATERIAL Co. Pvt. Ltd.

2. Extruding :

First step of manufacturing is to make Lay Flat Tubings from the Extruder machine & wind it on core to make desired width rolls from the extruding machines.

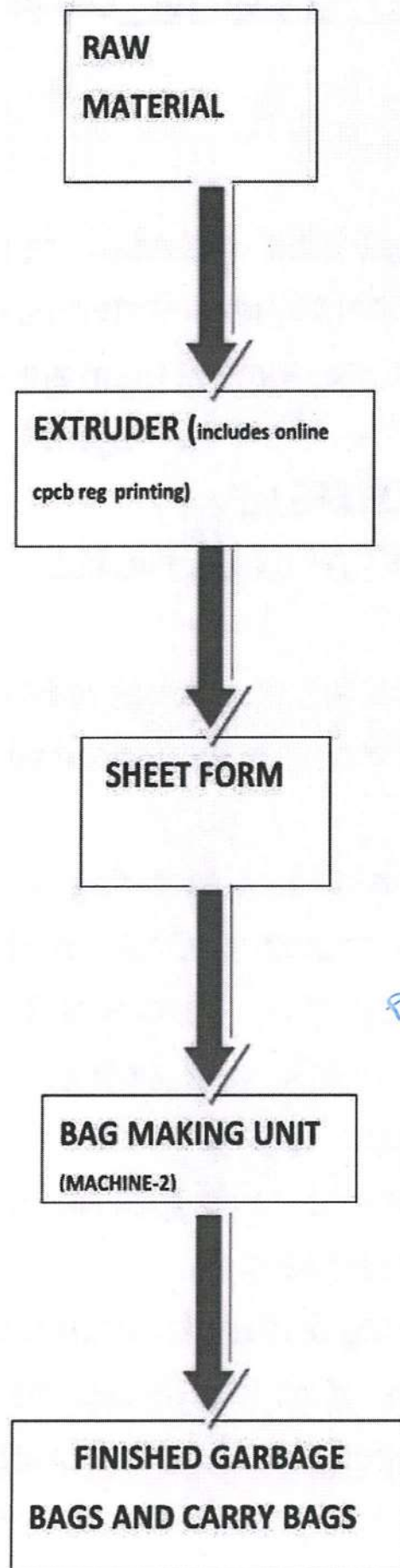
3. Printing : Second step of manufacturing is " Compostable" labelling is done on a printing machine either on Flexographic or Rotogravure machine as per the need of the customers, & thus printed rolls are made.

4. Bag Making : Third step of manufacturing is Bag making, as per different needs of the customers bags are made either on Bottom seal bag making machine or on side seal bag making machines. Self seal tape bags are also made on these machines.

5. Handle fitting : Next step of manufacturing is if customer bags required to fit with different type of Handle fittings then is done on Handle fitting machine or simple D punch or U cut is provided for T shirt type bags.

6. Packaging : Next step is to pack the bags in cartoons or simple gunny bags in kg wise or No. of pieces wise as per the PO of the customers.

7. Despatching : Next & Finale step is to despatch the goods as per PO instructions of the customers by Land transport & booked for shipment.



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