

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 0253 - 2365150
Fax: 0253 - 2365150
Website: <http://mpcb.gov.in>
Email: ronasik@mpcb.gov.in



Udyog Bhavan, First Floor,
Trimbak Road, Near ITI,
Satpur, Nashik - 422007

ORANGE/S.S.I

Date: 02/08/2026

No:- Format1.0/RO/UAN No.0000021089

To,
M/s. Manav Green Energy,
Plot No.A - 2/5, Ap. Waghunde,
Supa Parner Indsutrial Park,
Tq. Parner, Dist, Ahilyanagar.



Sub: Grant of Amendment in Consent to Operate in Orange category

- Ref:**
1. Your application for grant of Consent to Operate (UAN No. MPCB-CONSENT-0000279791)
 2. Consent to operate issued vide No. Format1.0/RO/UAN No.0000279791/CO/2606001691 Date: 19/06/2026. Valid up to 31.05.2032.

Amendment for - Fully Continuous Automatic Tyre pyrolysis plant and addition of By product Pyro Gas

Grant of Amendment in Consent to Operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 and Rule 18(7) of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the amendment in consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. Following Amendment in Existing Consent :

Sr. No.	As per Existing Consent	Amended
1	Pyrolysis Oil -90 MT/Day,	Pyrolysis Oil -90 MT/Day
2	Recovered Carbon Black / Carbon Black Powder-80 MT/Day	Recovered Carbon Black / Carbon Black Powder-80 MT/Day
3	By Products-Scrap Steel Wire-30 MT/Day	Scrap Steel Wire-30 MT/Day
4	--	By Products-Pyro Gas-20 MT/day
5	Fuel-LPG / Pyrolysis Oil- 400 Kg/Hr	Fuel-LPG / Pyrolysis Oil/Pyro Gas- 400 Kg/Hr

2. Specific Conditions: (i) Industry shall make necessary provisions for storage of carbon dioxide gas which is used for degassing of the reactor to vent out off gases through condenser – water – burning chamber where these gases are burnt into flame. The degassing of reactor by carbon dioxide shall be done so as to ensure safe closure of the fully continuous automatic tyre pyrolysis plant. (ii) The flue gases from burning chamber, if any specifically during startup and burning of excess off gases from reactor, shall be vent out through chimney having adequate height 11 mtrs. Or as per provisions of emission regulation Part-IV issued by CPCB whichever is higher. (iii) Industry shall use clean fuel such a LPG/PNG/TPO/Pyro Gas during startup of the reactor. (iv) Industry shall ensure that there are no leakages from reactor, piping so as to minimize fugitive emissions. The records of preventive maintenance schedule of burner, reactor vessel, pyrolysis chamber and allied piping shall be maintained and made available for inspection during official visits. (v) The pyrolysis oil condensed from the vessel shall be collected in storage tanks located in earmarked areas. The pipelines shall be equipped with floating valve so as to avoid spillage due to overflow. (vi) There shall not be spillage of pyrolysis oil in and around the factory premises. (vii) Pyrolysis oil tanks shall be provided with arrangement of dyke wall and necessary safety arrangements. (viii) The vent of pyrolysis oil tanks shall be equipped with adequate capacity carbon filters so as to minimize emissions of off gases to avoid smell nuisance. The carbon filter's media (fine carbon particle size) shall be replaced periodically to ensure effective adsorption of gases. (ix) Industry shall maintain logbook which will specify plant operation time, raw material dead stock, product logistics along with their specifications, logistics of carbon dioxide, records of preventive maintenance etc. The records shall be made available to officials during inspections. (x) Industry shall make earmarked storage area for raw materials which shall be covered with shed. The storage area shall have cement concrete flooring with plinth height of 0.5 Mtrs. above the ground. (xi) Industry shall maintain minimum distance of 10 Mtrs. between plant area, raw material storage area, carbon black storage area and pyrolysis oil storage area. (xii) Industry shall keep 10 Mtrs. free passage area within work environment so as to get direct access to plant / raw material storage / carbon black storage area and pyrolysis oil storage area in case of emergencies. (xiii) Adequate fire fighting system shall be provided as per prevailing norms laid down by competent authority. (xiv) The industry shall comply provisions of "The Manufacture, Storage & Import of Hazardous Chemicals Rules, 1989". (xv) The rules and regulations notified by Ministry of Law and Justice, Govt. of India regarding Public Liabilities Insurance Act, 1991 shall be followed. (xvi) Industry shall prepare on site and off site disasters management plan which shall be approved by competent authorities. (xvii) Industry shall not carry out further processing of pyrolysis oil. (xviii) The products like steel wire shall be collected properly and stored in closed shed. 6. Other Conditions: (i) Suitable sensor will be installed to ensure that all gases from the reactor have been evacuated before opening of the reactor for transfer of carbon black / steel wire. (ii) That the produced carbon black will be conveyed through hydraulic / screw conveyor in closed conditions. The carbon black generated from the manufacturing process can also be conveyed / collected / handled by using any other suitable technology, provided the state Board considers the technology to be appropriate. (iii) It shall be ensured that all the materials have been completely removed from the reactor for which a glass inspection window with provision of lights (illumination) shall be provided at the outer enclosures of the reactor. The end of the conveyor will be attached to a bagging plant where all the carbon black will be bagged in HDPE bags and the bags will be properly sealed. (iv) Industry shall carry out ambient air quality monitoring at three locations simultaneously within their premises in consultation with the Regional Officer to monitor RSPM, carbon monoxide and methane / ethane gases at least once in three months through a recognized laboratory or by the industry. It will be ensured that monitoring shall be carried out only during the period when the plant is in operation. The industry shall comply with orders passed or to be passed by any Judicial authority/Hon'ble National Green Tribunal regarding Tyre Pyrolysis activity. 18. i. Industry shall provide dust collector followed by wet scrubber to Pyrolysis Kilns/Reactors. iii. There shall not be any secondary (fugitive) emissions. iv. Industry shall install sensors for gases like CO along with alarms set at suitable threshold limit. The necessary piping arrangements for gases along with sensors shall be done in the work environment so as ensure safe operational practices. 19. The industry shall comply with of standard operating procedures (SOPs) for recycling of waste tyre scrap for the recovery of TPO, pyro gas and char in Tyre pyrolysis oil (TPO) units dated 16.01.2024 published by published by CPCB. 20. . Suitable sensor will be installed to ensure that all gases from the reactor have been evacuated before opening of the reactor for transfer of carbon black / steel wire. ii. That the produced carbon black will be conveyed through hydraulic / screw conveyor in closed conditions. The carbon black generated from the mfg. process can also be conveyed / collected / handled by using any other suitable technology provided by the state board considering the technology to be appropriate. iii. It shall be ensured that the all the materials have been completely removed from the reactor for which a glass inspection window with provision of light (illumination) shall be provided at the outer enclosures of the reactor. The end of the conveyor will be attached to the bagging plant where all the carbon black will be bagged in HDPE bags and the bags will be properly sealed. iv. The bagging plant will be equipped with requisite air pollution control arrangements such as dust extraction system, back filter to arrest all the carbon particles which may get air born during bagging process and a vent of minimum height of 11m from the ground level. v. Industry shall carry out ambient air quality monitoring at three locations simultaneously within their premises in consultations with th that monitoring shall be carried out only during the period when the plant is in operation. The industry shall comply with orders passed or to be passed by any Judicial authority/Hon'ble National Green Tribunal regarding Tyre Pyrolysis activity. 18. i. Industry shall provide fumes extraction system followed by dust collection system to carbon black handling section (s). ii. Industry shall provide dust collector followed by wet scrubber to Pyrolysis Kilns/Reactors. iii. There shall not be any secondary (fugitive) emissions. iv. Industry shall install sensors for gases like CO along with alarms set at suitable threshold limit. The necessary piping arrangements for gases along with sensors shall be done in the work environment so as ensure safe operational practices. v. The tyre pyrolysis oil unit to fulfill quality as specified by Ministry of petroleum and Natural Gas/ Bureau of Indian Standards as and when the same gets notified. vi The Tyre pyrolysis units (Fully continuous automatic tyre pyrolysis plant) to register on the waste tyre EPR portal of CPCB. vii. Industry uses Raw material as such End Life of Tyre Rubber scrap, Rubber chips, Rubber Granuals, Crumb Rubber, Other Rubber waste total quantity use per day would be approx. 225 MT/day.
3. The all other conditions remains unchanged as per consent issued vide ref. No. 2.

This consent is issued on the basis of information/documents submitted by the Applicant/Project Proponent, if it has been observed that the information submitted by the Applicant/Project Proponent is false, misleading or fraudulent, the Board reserves its right to revoke the consent & further legal action will be initiated against the Applicant/Project Proponent.

Copy to:

1. Sub-Regional Officer, MPCB, Ahilyanagar
 - They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Sion, Mumbai

