

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437
Fax: 24023516
Website: <http://mpcb.gov.in>
Email: cac-cell@mpcb.gov.in



Kalpataru Point, 2nd, 3rd
and 4th floor, Opp. Cine
Planet Cinema, Near Sion
Circle, Sion (E),
Mumbai-400022

RED/L.S.I (R6)

Date: 10/09/2024

No:- Format1.0/CAC/UAN No.MPCB-
CONSENT-0000215301/CO/2409000596

To,
M/s Birla Carbon India Private Limited,
Unit-Patalganga, Village Lohop, Patalganga,
Tal Khalapur, Dist. Raigad-410207



Sub: Grant of 1st consent to operate for ozone treatment with amalgamation of existing renewal of consent to operate under RED Category.

- Ref:**
- Existing renewal of consent to operate granted by the Board vide No. Format1.0/CAC/UAN No.MPCB-CONSENT-0000196163/CR/2404000630 dated 06.04.2024 valid up to 31.03.2027.
 - Board has accorded consent to establish for Ozone treatment of Carbon black vide No.Format1.0/CAC/UAN-82199/CE-2009000041 dated 02.09.2020.
 - The Minutes of Consent Appraisal Committee Meeting held on 30.07.2024

Your application No.MPCB-CONSENT-0000215301 Dated 10.07.2024

For: Grant of 1st Consent to Operate with amalgamation of existing 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 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:

- The consent to operate is granted for a period up to 31/03/2027**
- The capital investment of the project is Rs.478.76 Crs. (As per C.A Certificate submitted by industry Existing C.I. of Rs. 388.3603 Crs + C.I. for 1st operate of Rs. 89.76 Crs)**
- Consent is valid for the manufacture of:**

Sr No	Product	Maximum Quantity	UOM
Products			
1	Carbon Black	84000	MT/A
2	Electricity generation through waste heat recovery (Co-generation)	23	MW
3	Ozone Treatment on Carbon Black	4000	MT/A

4. **Conditions under Water (P&CP), 1974 Act for discharge of effluent:**

<i>Sr No</i>	<i>Description</i>	<i>Permitted (in CMD)</i>	<i>Standards to</i>	<i>Disposal Path</i>
1.	Trade effluent	396.2	As per Schedule-I	Recycle 100% to achieve ZLD
2.	Domestic effluent	70	As per Schedule-I	On land for gardening

5. **Conditions under Air (P& CP) Act, 1981 for air emissions:**

<i>Sr No.</i>	<i>Stack No.</i>	<i>Description of stack / source</i>	<i>Number of Stack</i>	<i>Standards to be achieved</i>
1	Stack No.1	Boiler	01	As per Schedule -II
2	Stack No.2	Dryer	01	As per Schedule -II
3	Stack No.3	DG-1825 KVA	01	As per Schedule -II
4	Stack No.4	Fire Hydrant pump	01	As per Schedule -II
5	Stack No.5	Flare System	01	As per Schedule -II
6	Stack No.6	DG-250 KVA	01	As per Schedule -II
7	Stack No.7	Packing exhaust blower	01	As per Schedule -II
8	Stack No. 8 & 9	Purged Gas Filters	01	As per Schedule -II
9	Stack No.10	Main Bag Filter	01	As per Schedule -II
10	Stack No.11	Ozonator vent	01	As per Schedule -II

6. **Non-Hazardous Wastes:**

<i>Sr No</i>	<i>Type of Waste</i>	<i>Quantity</i>	<i>UoM</i>	<i>Treatment</i>	<i>Disposal</i>
1	Food Waste	300	Kg/M	OWC followed by composting	Used as manure in premises for gardening/plantation
2	Refractory	50	MT/A	Recycle	Sale to authorized scrap dealer/vendor
3	Empty Jute bags	0.3	MT/A	Recycle	Sale to authorized scrap dealer/vendor
4	Wooden Scrap	100	MT/A	Recycle	Sale to authorized scrap dealer/vendor
5	Metal Scrap	125	MT/A	Recycle	Sale to authorized scrap dealer/vendor

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for Collection, Segregation, Storage, Transportation, Treatment and Disposal of hazardous waste:**

<i>Sr No</i>	<i>Category No./ Type</i>	<i>Quantity</i>	<i>UoM</i>	<i>Treatment</i>	<i>Disposal</i>
1	35.3 Chemical sludge from waste water treatment	15	MT/M	Landfill	CHWTSDF
2	33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	3	MT/A	Recycle	Sale to authorised party / CHWTSDF

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
3	1.3 Oily sludge emulsion	0.72	MT/Day	Incineration	CHWTSDF
4	5.1 Used or spent oil	3	KL/A	Recycle	Send to authorized recycler/Re-processor or MWML
5	3.3 Sludge and filters contaminated with oil	2	MT/A	Incineration	CHWTSDF
6	15.2 Discarded asbestos	1	MT/A	Landfill	CHWTSDF
7	36.2 Spent carbon or filter medium	5000	Kg/Annum	Landfill	CHWTSDF
8	Used PPE contaminated cotton rags	3.2	MT/A	Landfill	CHWTSDF
9	Insulating materials	30	MT/A	Landfill	CHWTSDF
10	DM Plant Resin	0.5	MT/A	Incineration	CHWTSDF
11	37.1 Sludge from wet scrubbers	1.0	MT/A	Landfill	CHWTSDF
12	37.3 Concentration or evaporation residues	150	MT/A	Landfill	CHWTSDF
13	5.2 Wastes or residues containing oil	2.0	MT/A	Landfill	Sale to authorised party / CHWTSDF

The applicant shall renew the membership of CHWTSDF before to expire the earlier validity of the membership.

8. Conditions under Plastic Waste Management Rules, 2016 (Notification dtd. 18/03/2016):

Sr No	Type of Waste	Quantity	UoM	Disposal Path
1	HDPE Bags	20.00	MT/A	Authorized Recycler/Reprocessor

9. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
10. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
11. The applicant shall comply with the conditions of the Environmental Clearance granted by MoEF & CC, GoI vide letter No. J-11011/35/2007-IA II(I) dated 28.09.2007 & 22.03.2013 and vide letter No.J-11011/288/2011-IA II(I) dated 03.02.2015,11.02.2016 & 11.07.2017.
12. PP shall operate the ventury scrubber to the waste heat recovery Boiler to achieve the consent emission standards.

13. As per previous consent to operate granted by the Board vide consent No. Format1.0/CAC/UAN-161299/CR-2303001145 dated 16.03.2023, Ozonation (Ozone treatment on carbon black) does not require EC as there is no increase in production and pollution load. Amended quantity of Ozone treatment carbon black shall be read as 4000 MT/Annum instead of 7000 MT/Month. Condition No.10 (page-2) of consent to establish for Ozone treatment on carbon black granted vide consent No. Format1.0/CAC/UAN-82199/CE-2009000041 dated 02.09.2020 is hereby deleted. Other terms and conditions remain the same.
14. PP shall ensure to operate online continuous monitoring system as per CPCB guidelines & data to be transmitted directly from Data Logger to Board server .
15. PP shall operate ventury scrubber to the waste heat recovery Boiler to achieve the consent emission standards.
16. PP shall operate the air pollution control system for existing unit as well as treated Carbon black (with Ozon) to achieve the consented standards
17. This consent is issued with the overriding effect of the existing renewal of consent to operate granted by the Board vide No. Format1.0/CAC/UAN No.MPCB-CONSENT-0000196163/CR/2404000630 dated 06.04.2024 valid up to 31.03.2027.
18. PP shall submit/extend the Bank Guarantee to sum of Rs. 25.0 Lakh towards operation and maintenance of the pollution control system and compliance of consent and Environmental clearance conditions.
19. The applicant shall make an application for renewal of consent 60 days prior to date of expiry of the consent.
20. The industry shall create an Environment Cell by appointing an Environmental Engineer / Expert for looking after day-to-day activities related to Environment / Pollution control.

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.

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	125000.00	TXN2407003561	19/07/2024	Online Payment
2	250000.00	TXN2407005969	31/07/2024	Online Payment
3	14795.00	TXN2409000661	05/09/2024	Online Payment
4	203240.00	TXN2409000662	05/09/2024	Online Payment

Copy to:

1. Regional Officer, MPCB, Raigad and Sub-Regional Officer, MPCB, Raigad I
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Sion, Mumbai
3. CAC desk- for record and website updation purpose.



SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

1. A] As per your application you have provided ETP having design capacity 700 CMD which comprises of Equilisation tank-Clarifier-Multigrade Filter-Ultra Filtration-2 stage Reverse Osmosis System and 3 - Stage MEE, ATFD plant. Treated effluent with RO permeate 100 % used back in process to achieve zero liquid discharge (ZLD).
B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent and recycle the entire treated effluent into the process for various purposes such as for cooling, process & Scrubbing with metering system so as to achieve Zero Liquid Discharge. There shall be no discharge on land or outside factory premises.
C] The Industry shall ensure connectivity online monitoring system to the MPCB server including separate energy meter for pollution control system.
D] The treated effluent shall be recycled for secondary purposes to the maximum extent and remaining shall be discharged on land for gardening within premise after confirming above standards. In no case, effluent shall find its way to outside factory premises.
2. A] As per your application, you have provided Sewage Treatment Plant of designed capacity 70 CMD for the treatment of 70 CMD of sewage.
B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards.

Sr.No	Parameters	Standards (mg/l)	
1	Suspended Solids	Not to exceed	50
2	BOD 3 days 27°C	Not to exceed	30
3	COD	Not to exceed	100

- C] The treated sewage shall be recycled for secondary purposes to the maximum extent and remaining shall be discharged on land for gardening within premise after confirming above standards. In no case, sewage shall find its way to outside factory premises.
3. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification there of & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
4. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.

5. The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act:

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	4610.00
2.	Domestic purpose	80.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	0.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	350

6. The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance/ CREP guidelines.

SCHEDULE-II

Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have provided the Air pollution control (APC) system and erected following stack (s) to observe the following fuel pattern:

Stack No.	Source	APC System provided/proposed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
Stack No.1	Boiler	Ventury Scrubber Stack	108.00	Flue Gas 90350 Kg/Hr	-	SO2	600 Mg/Nm ³
						TPM	150 Mg/Nm ³
						NOx	450 Mg/Nm ³
Stack No.2	Dryer	Stack	72.00	Flue Gas 20550 Kg/Hr	-	SO2	600 Mg/Nm ³
						TPM	150 Mg/Nm ³
						NOx	450 Mg/Nm ³
Stack No.3	DG Set-1825 KVA	Acoustic Enclosure Stack	32.00	HSD 332.45 Kg/Hr	1.0	SO2	159.56 Kg/Day
						TPM	150 Mg/Nm ³
Stack No.4	Fire Hydrant pump	Stack	1.50	HSD 2.2 Kg/Hr	1.0	SO2	1.0 Kg/Day
Stack No.5	Flare System	Stack	52.00	LPG 15 Kg/Hr	-	NA	-

Stack No.	Source	APC System provided/proposed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
Stack No.6	DG-250 KVA	Acoustic Enclosure	3.00	HSD 5 Kg/Hr	1.0	SO2	2.4 Kg/Day
						TPM	150 Mg/Nm ³
Stack No.7	Packing exhaust blowers	Stack	30.00	Flue gas 15600 Kg/Hr	-	SO2	600 Kg/Day
						TPM	150 Mg/Nm ³
						NOx	450 Mg/Nm ³
Stack No.8 & 9	Purged Gas Filters	Stack	30.00	Flue gas 15600 Kg/Hr	-	SO2	600 Kg/Day
						TPM	150 Mg/Nm ³
						NOx	450 Mg/Nm ³
Stack No.10	Main Bag Filter	Stack	15.00	Flue gas 15450 Kg/Hr	-	SO2	600 Kg/Day
						TPM	150 Mg/Nm ³
						NOx	450 Mg/Nm ³
Stack No.11	Ozonator Vent	Stack Bag filter		Electricity 0 --NA--	-	TPM	150 Mg/Nm ³

- The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.
- The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
- The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).

SCHEDULE-III

Details of Bank Guarantees:

Sr. No.	Consent (C2E/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	1st consent to operate with amalgamation of Renewal of consent to operate	Rs. 25.0 Lakh	within 15 days	Towards operation and maintenance of the pollution control system and compliance of consent and Environmental clearance conditions	Regular	30.09.2027

****Existing BG obtained for above purpose if any, may be extended for period of validity as above.**

If the above Bank Guarantee is not submitted within stipulated period, then 12% interest will be levied as a penalty as per circular dtd 29/02/2024 No.

BO/MPCB/AS(T)/Circular/B-240229FTS0122

BG Forfeiture History

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
NA						

BG Return details

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
NA				

SCHEDULE-IV

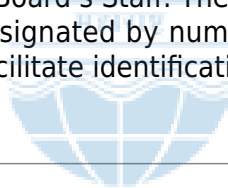
General Conditions:

- The waste generator shall.-
 - take steps to minimize generation of plastic waste and segregate plastic waste at source in accordance with the Plastic Waste Management Rules, 2016 or as amended from time to time.
 - not litter the plastic waste and ensure segregated storage of waste at source and handover segregated waste to urban local body or gram panchayat or agencies appointed by them or registered waste pickers', registered recyclers or waste collection agencies;
- All institutional generators of plastic waste, shall segregate and store the waste generated by them in accordance with the Plastic Waste Management Rules, 2016 amendment from time to time and handover segregated wastes to authorized waste processing or disposal facilities or deposition centers either on its own or through the authorized waste collection agency.
- All waste generators shall pay such user fee or charge as may be specified in the byelaws of the local bodies for plastic waste management such as waste collection or operation of the facility thereof, etc.;

4. Every person responsible for organizing an event in open space, which involves service of food stuff in plastic or multilayered packaging shall segregate and manage the waste generated during such events in accordance with the Plastic Waste Management Rules, 2016 amendment from time to time.
5. The industry should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
6. The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
7. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
8. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions.
9. The firm shall submit to this office, the 30th day of September every year, the Environment Statement Report for the financial year ending 31st March in the prescribed FORM-V as per the provisions of Rule 14 of the Environment (Protection) (second Amendment) Rules, 1992.
10. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
11. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
12. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
13. The Energy source for lighting purpose shall preferably be LED based
14. The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
15. Conditions for D.G. Set
 - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
 - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
 - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.

- f) D.G. Set shall be operated only in case of power failure.
 - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
16. The applicant shall maintain good housekeeping.
 17. The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
 18. The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
 19. The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
 20. The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can downloaded from MPCB official site).
 21. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
 22. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.
 23. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
 24. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
 25. The PP shall provide personal protection equipment as per norms of Factory Act
 26. Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
 27. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
 28. The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
 29. The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M & TM) Rules 2016, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.

30. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
31. Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website (www.mpcb.gov.in).
32. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
33. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
34. The industry should not cause any nuisance in surrounding area.
35. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
36. The industry shall create the Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.
37. The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.



This certificate is digitally & electronically signed.
