

MAHARASHTRA POLLUTION CONTROL BOARD

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Mumbai-400022

RED/M.S.I (R22)

Date: 14/05/2024

No:- Format1.0/AS(T)/UAN No.MPCB-
CONSENT_AMMENDMENT-0000009267/CO/2405000032

To,
M/s. Indo Amines Limited
(Formerly Known as Classic Oil Limited)
Plot No. B-14, MAHAD MIDC
TAL MAHAD, DIST- RAIGAD



Sub: Grant of Amendment in Renewal of Consent to Operate under change in product under Product Mix under RED/MSI.

- Ref:**
1. Renewal of Consent to Operate under change in product under Product Mix accorded vide No. Format 1.0/AS(T)/UAN No. 0000111334/CO-2112000462, dated 08/12/2021, which is valid upto 31/12/2026
 2. Environmental Clearance accorded vide No. SEIAA-EC-0000000204 dated 12/3/2018
 3. PARIVESH Portal Product Mix Application No. SW/30/2021
 4. Minutes of Technical Committee meeting held on 30/10/2021
 5. Amendment in Environmental Clearance accorded vide No. SIA/MH/IND/240041/2021, dated 02/09/2022.

Your application No.MPCB-CONSENT_AMMENDMENT-0000009267 Dated 14.09.2022

For: grant of 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:

1. **The consent to operate is granted for a period up to 31/12/2026**
2. **The capital investment of the project is Rs.18.0 Crs. (As per C.A Certificate submitted by industry Existing CI is-Rs. 17.25 Crs + Increase in C.I. - Rs. 0.75 Crs)**
3. **Consent is valid for the manufacture of:**

Sr No	Product	Maximum Quantity	UOM
Products			
1	2 - METHYL CYCLOHEXANOL	40	MT/M
2	DI-ISO BUTYL CARBINOL (DIBC)	100	MT/M
3	TRIOCTYL PHOSPHATE / TRI (ETHYL HEXYL) PHOSPHATE)	100	MT/M

Sr No	Product	Maximum Quantity	UOM
4	TRIBUTYL PHOSPHATE	100	MT/M
5	2- ETHYL ANTHRAQUINONE	100	MT/M
6	Cyclohexyl Chloride	20	MT/M
7	2-Phenylethyl Isocyanate	5	MT/M
8	Benzyl Isocyanate	5	MT/M
9	n-Butyl Isocyanate	5	MT/M
10	Para Hydroxyacetophenone	50	MT/M
11	Octadecyl Isocyanate	50	MT/M
12	3-Methyl-2- thiophenecarboxaldehyde	10	MT/M
13	Para Hydroxyphenylacetic acid	20	MT/M
14	2- Thiophenecarboxaldehyde	20	MT/M
15	Para Methoxyphenylacetic acid	20	MT/M
16	Tetra BUTYL UREA	75	MT/M
17	BCFI (2-Butyl-4- Chloro-5-Formyl Imidazole)	30	MT/M
18	Benjo Toilet Cleaner	190	MT/M

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

Sr No	Description	Permitted (in CMD)	Standards to	Disposal Path
1.	Trade effluent	20	As per Schedule -I	Partly recycle 3.72 CMD & partly CETP 16.28 CMD
2.	Domestic effluent	4	As per Schedule - I	Soaked in soak pit

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

Sr No.	Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
1	S-1	Boiler and Thermopack	1	As per Schedule -II
2	S-2	DG Set (500 KVA)	1	As per Schedule -II
3	S-3	Phosphate reactor (TOP, TBP)	1	As per Schedule -II
4	S-4	Phosphite reactor (TPP)	1	As per Schedule -II
5	S-5	CO2 scrubber	1	As per Schedule -II

6. **Non-Hazardous Wastes:**

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	Domestic Wet Waste	5	Kg/Day	Composting	By MSW Facility
2	Wooden Scrap/ Corrugated Box	65	Kg/M	Sale	Sale to authorized party
3	Waste Cotton	5	Kg/M	Sale	Sale to authorized party

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
4	Bottles & Plastic Bags	50	Kg/M	Sale	Sale to authorized party
5	Coal Ash	97	MT/A	Sale	Sale to authorized party
6	Metal scrap	1	MT/M	Sale	Sale to authorized party

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

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
1	20.3 Distillation residues	4.8	MT/A	Incineration	CHWTSDF
2	35.3 Chemical sludge from waste water treatment	02	MT/A	Landfill	CHWTSDF
3	37.3 Concentration or evaporation residues	793	MT/A	Incineration	CHWTSDF
4	28.3 Spent carbon	10	MT/A	Incineration	CHWTSDF
5	28.6 Spent organic solvents	0.5	MT/A	Recycle*	Sale to authorised party
6	33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	200	Nos./Y	Recycle*	Sale to authorised party
7	HCL-30%	400.83	MT/M	Recycle*	Sale to authorised party
8	Aluminum Chloride Solution	61.8	MT/M	Recycle*	Sale to authorised party
9	Spent Sulphuric Acid	52.32	MT/M	Recycle*	Sale to authorised party
10	Calcium Phosphate	27.27	MT/M	Recycle*	Sale to authorised party

*** Sale to Authorized Party having permission under Rule 9 of H&OW Rule**

8. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
9. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
10. This consent is issued with overriding effect on earlier Renewal of Consent to Operate under change in product under Product Mix accorded vide No. Format 1.0/AS(T)/UAN No. 0000111334/CO-2112000462, dated 08/12/2021, which is valid upto 31/12/2026
11. Industry shall comply with all the conditions stipulated in Environmental Clearance (SEIAA-EC-0000000204 dated 12/3/2018) & Amendment in Environmental Clearance accorded vide No. SIA/MH/IND/240041/2021, dated 02/09/2022 and ensure display/upload of six-monthly compliance monitoring report on their official website

12. This consent is issued pursuant to the decision of Minutes of the Meeting of Technical Committee for change in product mix Dated. 30.10.2021. This Consent is issued based on self-assessment of Pollution Load submitted by you in Board's prescribed format and Certificate of "No Increase in pollution load" issued by M/s. Building Environment India Pvt. Ltd. vide letter dtd. 15/3/2021. If any violation and / or submission of misleading information are noticed, then the consent issued will stand automatically cancelled and you have to follow the procedure of EIA Notification, 2006 and Amendments thereof for obtaining Environmental Clearance
13. The applicant shall not carry out any excess production or produce new products without Consent of the Board and without Environmental Clearance wherever it applicable.
14. Industry shall dispose the By-product (if any) as per the guidelines stipulated by CPCB & MPCB.
15. The applicant shall make an application for renewal of consent 60 days prior to date of expiry of the consent.
16. Industry shall comply with direction issued to CETP, regarding installation of two-way SCADA, Auto-sampler, Non-Return Valve (NRV) with positive discharge to CETP chamber.
17. This consent is issued as per the delegation of powers to HOD vide Office Order No. 12/2020 dated 23/12/2020
18. The industry shall obtain necessary permission from the Directorate of Industrial Safety and Health (DISH).
19. The applicant shall properly collect, transport & regularly dispose-off the Hazardous Waste to CHWTSDF, in compliance of the Hazardous and other Waste (M & TH) Rule-2016 and keep proper manifest thereof.
20. Industry shall ensure online continuous monitoring system as per CPCB guidelines & data to be transmitted directly from Data Logger to Board server including separate energy meter for pollution control system.
21. This consent is issued as per the delegation of powers to HOD vide Office Order No. 12/2020 dated 23/12/2020

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	50000.00	MPCB-DR-4577	24/03/2021	NEFT
2	250000.00	TXN2111000857	13/11/2021	Online Payment

Copy to:

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

SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

1. A] As per your application, you have segregated trade effluent into weak stream & strong stream and provided Effluent Treatment Plant (ETP) comprising of:
- i) Strong COD/TDS stream of 7.9 CMD** - Treatment system comprising of Primary (Collection tank, Neutralization tank, Flash mixer, Primary Clarifier/Primary Settling Tank, Primary after stmt) , Multi effect evaporator (1 stage), ATFD followed by Sludge treatment. The MEE condensate is treated in weak stream ETP.
- ii) Weak COD/TDS stream of 12.1 CMD** - Treatment system comprising of Primary (Collection tank, Neutralization tank, Equalization tank, Flash mixer, Primary Clarifier/Primary Settling Tank), Secondary (Activated sludge process), Tertiary (Pressure sand filter, Activated carbon filter) with design capacity of 25 CMD.
- B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent:

Sr.No	Parameters	Limiting concentration not to exceed in mg/l, except for pH
(1)	pH	6.0 -8.5
(2)	BOD (3 days 27°C)	30
(3)	COD	250
(4)	TSS	100
(5)	Oil & Grease	10
(6)	Chlorides	600
(7)	Sulphates	1000
(8)	Total Dissolved Solids	2100

- C] Industry shall ensure online continuous monitoring system as per CPCB guidelines & data to be transmitted directly from Data Logger to Board server including separate energy meter for pollution control system.
- D] The partly treated effluent 3.72 CMD shall be recycled /reused in the process/utilities & partly treated effluent 16.28 CMD shall be disposed to CETP for further treatment and disposal after confirming above standards. In no case, effluent shall find its way outside factory premises.
2. A] As per your application, you have provided Septic Tank followed by Soak pit for the treatment of 4 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 mg/l
2	BOD 3 days 27°C	Not to exceed	30 mg/l

C] The treated sewage shall be soaked in soak pit and overflow if any used on land for gardening within premise after confirming above standards. In no case, sewage shall find its way 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 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.
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	85.00
2.	Domestic purpose	5.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	22.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	0

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
S-1	Boiler and Thermopac	Fabric Bag Filter Cyclone	38.00	Coal Cashew Nut shells or Briquettes or mixture of all in various proportions 710 Kg/Hr	0.5	TPM	150 Mg/Nm ³
						SO2	170.4 Kg/Day
S-2	DG Set	Acoustic Enclosure	11.00	HSD 270 Ltr/Hr	1.0	TPM	150 Mg/Nm ³
						SO2	43.2 Kg/Day
S-3	Phosphate reactor (TOP, TBP)	Scrubber	12.00	-	-	HCL	35 Mg/Nm ³
S-4	Phosphite reactor (TPP)	Scrubber	12.00	-	-	HCL	35 Mg/Nm ³
S-5	CO2 scrubber	Scrubber	12.00	-	-	Other	-

2. 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.
3. 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.
4. 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).
5. Solvent Management shall be carried out as follows:
- Reactors shall be connected to Water / Chilled Water /Brine Condenser system.
 - Reactors and solvent handling pumps shall have mechanical seals to prevent the leakages.
 - The condensers shall be provided with adequate Heat transfer area (HTA) and residence time so as to achieve more than 97% overall recovery
 - Solvents shall be stored in a separate space specified with all safety measures.
 - Proper earthing shall be provided in all the equipment's, wherever solvent handling is done.
 - Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.
 - All the solvent storage tanks shall be connected with vent condensers with Water / chilled water / Brine circulation.
 - Fugitive emissions shall be controlled at 99.95% with effective chillers.
 - Solvent transfer shall be through pump.
 - Metering and control of quantities of active ingredients to minimize wastes.

- k. Use of automatic filling to minimize spillage.
- l. Use of close feed system into batch reactors.
- m. Venting equipment through vapour recovery system.

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	C to O (existing to be extended)	2.0 Lakh	Existing	Towards compliance of consent conditions and O& M of pollution control system	31.12.2026	30.06.2026

** The above Bank Guarantee(s) shall be submitted by the applicant in favour of Regional Officer at the respective Regional Office within 15 days of the date of issue of Consent.

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

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:

1. The Energy source for lighting purpose shall preferably be LED based
2. 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
3. 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.
4. The applicant shall maintain good housekeeping.
5. 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.
6. 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.
7. 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.
8. 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 be downloaded from MPCB official site).
9. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
10. 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.
11. 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.

12. 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.
13. The PP shall provide personal protection equipment as per norms of Factory Act
14. Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
15. 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.
16. 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.
17. 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.
18. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
19. 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).
20. 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.
21. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
22. The industry should not cause any nuisance in surrounding area.
23. 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.
24. 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.

25. 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.
26. 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.
27. 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.
28. 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.
29. 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.
30. 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.
31. 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.
32. 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).
33. 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.

This certificate is digitally & electronically signed.
