

MAHARASHTRA POLLUTION CONTROL BOARD

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Phone No. 400 027

Consent order No :- Formatted as per M.P.C.B. Form No. TN 5085-15/1st CEM 4583

Date 22/04/2015

To,

M/s Seya Industries Ltd,
 D-16, MIDC Boisar,
 Tal and Dist Palghar

Subject: Consent to Establish (2nd) under RED category.

Ref : 1. Existing Consent to establish (1st) granted vide no. BO/AS(1)/TN/E/CAC-2493 dtd 25.03.2013

2. Your application approved in CAC meeting held on 15.04.2015.

Your application: CE1503000516

Dated:17.03.2015

For: Consent to Establish (2nd)

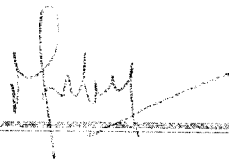
under Section 25 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 5 of the Hazardous Wastes (M, H & T M) Rules 2008 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. The consent is granted for a period up to commissioning of unit or 5 years whichever is earlier.
2. The proposed capital investment of the industry is Rs147.51 Crs. (As per Undertaking submitted by industry). The proposed capital investment
3. The Consent is valid for the manufacture of -

Sr. No.	Product / By-Product Name	Maximum Quantity
1	Sulphuric Acid (98%)	21000 MT/M
2	24% Oleum	1920 MT/M
3	65% Oleum	1920 MT/M
4	Liquid SO ₂	750 MT/M
5	Liquid SO ₃	8580 MT/M
6	Chloro sulphonic Acid	3840 MT/M
7	Thionyl Chloride	3840 MT/M

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

Sr. no.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	15	As per Schedule -I	Zero discharge
2.	Domestic effluent	5	As per Schedule -I	



3. Conditions under Air (P & C) Act, 1987 for air emissions.

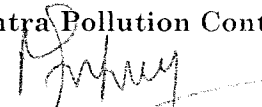
Description of stack /	Number of Stack	Requirements to be

4. Conditions under Hazardous Waste (MH & TM) Rules, 2008 for treatment and disposal of hazardous waste:

Sr. No.	Waste Name	Quantity	Volume	Unit	Disposal
1	ETP Sludge	24.8	3600	Kg/A	CBWTSDF
2	Spent catalyst	35.2	1.16	MT/A	CBWTSDF

- The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
- This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
- Industry shall achieve zero discharge by providing ETP of primary, secondary and tertiary treatment followed by RO & MEE and submit BG of Rs 10 lakhs for the compliance of the same.
- Industry shall not use treated trade effluent on land for gardening. The entire effluent shall be used in process and utilizes.
- Consent to first operate shall be granted only after installing ETP of primary, secondary and tertiary treatment followed by RO & MEE to achieve zero discharge as assured by the industry.
- Industry shall install SO₂ scrubber to DCDA plant so that it can be operated on continuous basis.
- The applicant shall install online continuous stack emission monitoring system and online effluent quality monitoring systems at the outlet of effluent treatment plant for measurement of consented parameters before first operate & connect and upload the online emissions and effluent monitoring data at MPCB and CPCB server in time bound manner.

For and on behalf of the
Maharashtra Pollution Control Board


(Dr. P. Anbalagan, IAS)
Member Secretary

Received Consent fee of -

Sr. No.	Amount (Rs.)	DD. No.	Date	Drawn On
1	296000	252725	03.12.2014	Bank of Baroda

Copy to:

- Regional Officer -Thane and Sub-Regional Officer-Tarapur -1, MPCB, They are directed to ensure the compliance of the consent conditions.
- Chief Accounts Officer, MPCB, Mumbai.
- CC/CAC desk- for record & website updation purposes.

1) A] As per your application, you have proposed to install the Effluent Treatment Plant (ETP) consisting of primary, secondary and tertiary treatment with the design capacity of 15 CMD followed by RO and MEE.

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	Standards prescribed by Board (If any)
		Limiting Concentration in mg/l, except for pH
01	pH	6.0-8.5
02	Oil & Grease	10
03	BOD (3 days 27°C)	100
04	Suspended Solids	100
05	COD	250

C) The treated effluent shall be 100% recycled in the process to achieve zero discharge. In no case effluent shall find its way for gardening/outside factory premises.

2) A.] As per your consent application, you have proposed to install septic tanks and soak pits.

B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards/ prescribed under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

- (1) Suspended Solids. Not to exceed 100 mg/l.
- (2) BOD 3 days 27°C. Not to exceed 100 mg/l.

C] The treated effluent shall be 100% recycled in the process to achieve zero discharge. In no case effluent shall find its way for gardening/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/and 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) (Cess) Act, 1987 and as amended, by installing water treatment plant, recycling water and return it back to the source as per provisions as contained in the Act.

No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	1315
2.	Domestic purpose	6
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	220
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0
5.	Gardening	4

- 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.

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Schedule-II

Terms & conditions for compliance of Air Pollution Control.

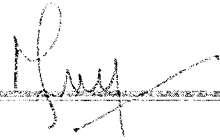
- As per your application, you have proposed to install the Air Pollution control (APC) system and also proposed to erect following stack (let and to observe the following conditions:-

Sl. No.	Process	Pollutant	Control Method	Standard	Remarks	Compliance Status
1	process stacks (3 nos)	SO ₂ HCl and Chlorine Scrubber	60:30:30	N/A	N/A	N/A

- 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 operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Particulate matter	Not to exceed	150 mg/Nm ³ .
SO ₂ Process	Not to exceed	950 mg/Nm ³
Acid mist	Not to exceed	50 mg/Nm ³
Sulphur Trioxide	Not to exceed	50 ppm
HCl	Not to exceed	35 mg/Nm ³
Chlorine	Not to exceed	3 ppm

- Scrubbing units shall have on-line pH meters with auto recording facility.
 - The height of the stack emitting sulphur-dioxide or acid mist shall be of minimum of 30 metre or as per the formula $H=14(Q)^{0.3}$ (whichever is more). Where -H is the height of stack in metre; and -Q' is the maximum quantity of SO₂ expected to be emitted through the stack at 110 per cent rated capacity of the plants and calculated as per the norms of gaseous emission.
 - Plants having more than one stream or unit of sulphuric acid at one location, the combined capacity of all the streams and units shall be taken into consideration for determining the stack height and applicability of emission standards.
 - Plants having separate stack for gaseous emission for the scrubbing unit, the height of this stack shall be equal to main stack.
- The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement 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).



S. No. 10/11/11
 Details of Bank Guarantees

Sl. No.	Consent No.	Amn of Rs.	Expiry Date	Conditions of BG	Complian	Validity
	C to E	Rs 10 lakh	Within 15 days from the date of issue of consent	Industry shall achieve zero discharge by providing ETP of primary, secondary and tertiary treatment followed by RO & MEE	30.05.2020	30.05.2020

[Handwritten Signature]

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Schedule-IV

General Conditions:

- 1) The applicant shall install suitable and efficient instruments for measuring and sampling of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall provide the Board for the analysis conducted in the behalf.
- 2) Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
- 3) The applicant shall provide points 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.
- 4) 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.
- 5) 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.
- 6) The firm shall submit to this office, the 30th day of September every year, the Environmental 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.
- 7) The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the HW(MH&TM) Rules 2008, which can be recycled
- 8) /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.
- 9) The industry should comply with the Hazardous Waste (M,H & TM) Rules, 2008 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazardous Waste (M,H & TM) Rules, 2008 for the preceding year April to March in Form-IV by 30th June of every year.
- 10) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 11) The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the Unit/ Activity.
- 12) 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).
- 13) The industry should comply with the Hazardous Waste (M, H & TM) Rules, 2008 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazardous Wastes (M,H &TM) Rules, 2008 for the preceding year April to March in Form-IV by 30th June of every year.
- 14) The industry shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent condition towards Environment Protection.
- 15) 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

pipelines down to the level of chemical manholes. No effluent shall find its way other than to designed and provided collection system.

16) Neither storm water nor any other water from other premises shall be allowed to mix with the effluents from the premises.

The applicant shall ensure that the effluent treatment plant and air pollution control system are in proper operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing the description of chemicals used for treatment shall be maintained.

18) 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 MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel
- 19) The industry should not cause any nuisance in surrounding area.
- 20) 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.
- 21) The applicant shall maintain good housekeeping.
- 22) 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.
- 23) 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.
- 24) 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.
- 25) 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.
- 26) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 27) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dtd. 16.11.2009 as amended.

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