

MAHARASHTRA POLLUTION CONTROL BOARD

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Planet Cinema, Near Sion Circle, Sion (E),
Mumbai - 400 022

Consent order No :- *Formate1.0/ BO/CAC-Cell/ EIC No RD-3192-15/5thCAC - 0222*
Date-18/01/2017

To,
M/s Sudarshan Chemicals Industries Ltd,
44,44(part),45,46,46(part),
MIDC Dhatav, Tal-Roha,
Dist-Raigad-402116

Subject: Amendment in existing consent to establish for expansion under RED category.

- Ref: 1. Existing Consent granted vide no *Formate1.0/ BO/CAC-Cell/ EIC No RD-3204-15/14thCAC-9167* dated 16.07.2016 which is valid upto 31.07.2020.
2. Consent to establish for expansion granted vide no BO/AS(T)/E/ EIC No RD-2293-12/CC/CAC-2861 dated 05.04.2013.
3. Your application approved in CAC meeting held on 07.12.2016.

Your application:CE1510000741

Dated: 28.10.2015

For: Amendment in existing consent to establish for expansion 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 6 of the Hazardous & Other Wastes (M & T) 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 is granted for a period upto 04.04.2018 or commissioning of the unit whichever is earlier.
2. The proposed capital investment of the industry is Rs.980 Crs. (As per C.A.Certificate submitted by industry). The existing CI of the industry is Rs 98.56 crs.
3. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity
1	Pigments (Organic pigments, Inorganic pigments, pearl pigments, pigment preparation , Fluorescent pigments, High performance pigments, HP dyes & intermediates)	30480 MT/A
	By-products	
1	Phosphoric acid (12-15%	250 MT/M
2	Recovered Pigments	6 MT/M
3	POCl ₃	10 MT/M
4	Dicalcium Phosphate	400 MT/M
5	Co-generation plant	10 MW

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	4978	As per Schedule -I	CETP
2.	Domestic effluent	38	As per Schedule -I	Recycled

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

Sr. no.	Description of stack / source	Number of Stack	Standards to be achieved
1.	Boiler 45 TPH X 2 nos	2	As per Schedule -II
2.	Process stacks	23	As per Schedule -II
3.	DG sets 250 KVA 625 KVA X 2 nos, 1000 KVA	10	As per Schedule -II

6. Conditions about Non Hazardous Wastes:

Sr. no.	Type Of Waste	Quantity & UOM	Treatment	Disposal
1	Boiler Ash	130 MT/D	NA	Sale for offsite recycling/brick making/Landfill
2	Paper, plastic seepages, fiber drum	275 MT/A	NA	Onsite incineration
3	Mica waste (dry)	3500 MT/A	NA	Sale to offsite recycling/CHWTSDF
4	Canteen waste	16 MT/A	NA	Use in Biogas plant/compost
5	Rubber, handgloves, PVC shoes. Tarpaulin, paper bags, hose pipes	20 MT/A	NA	Sale to offsite recycling/CHWTSDF
6	Broken discarded glass	5 MT/A	NA	Sale to offsite recycling/CHWTSDF
7	Boiler soot	4 MT/A	NA	Sale to offsite recycling/CHWTSDF/On site incineration
8	Insulating material/Thermocol	20 MT/A	NA	Sale to authorized vendor/CHWTSDF
9	Excess biomass from ETP (Dry basis)	100 MT/M	NA	Use as biofertilizer/compost/Use in Boiler/ Sale to other ETP
10	Iron scrap (metallic scrap)	800 MT/A	NA	Sale to offsite recycling

11	Plastic (Non-metallic scrap)	300 MT/A	NA	Sale to offsite recycling/CHWTSDF
12	Paper	200 MT/A	NA	Sale to offsite recycling/Onsite incineration/ CHWTSDF
13	Electrical scrap	20 MT/A	NA	Sale to offsite recycling/CHWTSDF
14	Discarded Barrels	20000 Nos/A	NA	Sale after decontamination
15	Wooden scraps	300 MT/A	NA	Sale to offsite recycling/CHWTSDF

7. Conditions under Hazardous & Other Waste (M & T) Rules, 2016 for treatment and disposal of hazardous waste:

Sr. No.	Type Of Waste	Category	Quantity	UOM	Disposal
1	Chemical containing residue arising from decontamination	34.1	1	MT/A	CHWTSDF/ Incineration
2	Discarded containers/barrels	33.1	12000	Nos/A	Sale to authorized party
3	Discarded Fibers Drums/Material	33.1	2	MT/A	Sale to authorized party/ CHWTSDF/ Incineration
4	Discarded liners	33.1	37	MT/A	CHWTSDF/ Sale to authorized party
5	Flue gas cleaning residue	35.1	3	MT/A	CHWTSDF
6	Spent Ion exchange resin containing toxic metals	35.2	0.5	MT/A	CHWTSDF
7	Filters and filter material who have organic liquid	35.1	28	MT/A	CHWTSDF/ Sale to authorized party
8	Used/spent oil	5.1	12	KL/A	CHWTSDF/ Sale to authorized party
9	Discarded asbestos	15.2	10	MT/A	CHWTSDF
10	Spent solvents	20.2	5500	MT/M	CHWTSDF/ Sale to authorized reprocessors/ Onsite recycle-ruse
11	Distillation residues	20.3	36	MT/M	CHWTSDF/ Incinerator
12	Chemical sludge from waste water treatment	35.3	3500	MT/A	CHWTSDF
13	Process waste or Residue	29.1	40	MT/A	CHWTSDF/ Incinerator
14	Process waste sludge/residue containing acid, toxic metals, organic compounds	26.1	15	MT/A	CHWTSDF/ Sale to registered recycler/ On site

					recycle
15	Used batteries other than lead acid		400	Kg/A	CHWTSDF/ Sale to registered recycler/dealer
16	solid waste from MEE	20.3	5600	MT/A	CHWTSDF/ Off site recycling

8. The Board reserves the right to review, amend, suspend, revoke etc. 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. Industry shall comply with the conditions of EC dated 25.01.2016 and consent to establish and submit BG of Rs 10 lakh towards the compliance of the same.
11. The consent is granted by overriding consent no BO/AS(T)/E/ EIC No RD-2293-12/CC/CAC-2861 dated 05.04.2013.

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
Previous consent fees				
1	2793100	699373	14.02.2012	Bank of Maharashtra

Copy to:

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

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

- 1) A] As per your application, you have proposed to provide the Combined Effluent Treatment Plant (ETP) with the design capacity of 11000 CMD including existing and proposed quantity.
- B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent & domestic 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
1	pH	6.5-8.5
2	Oil & Grease	10
3	BOD (3 days 27oC)	100
4	Total Suspended Solids	100
5	Bioassay Test	90% survival of fish after first 96 hrs in 100% effluent
	Heavy Metals	
1	Copper	1
2	Maganese	1
3	Zinc	1
4	Mercury	0.01
5	Tin	0.1
6	Any other metal like Nickel etc	Shall not to exceed 5 times the drinking water standards of BIS
	c) Organics	
1	Phenol and Phenolics as C6H5	1
	d) In organics	
1	Arsenic (as As)	0.2
2	Cyanide (as CN)	0.2
3	Nitrate (as NO ₃)	50
4	Phosphates (as P)	5

C) The treated effluent of 4978 CMD shall be discharged into CETP and 38 CMD shall be recycled in domestic flushing.

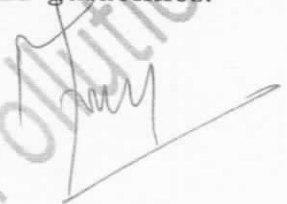
- 2) A] As per your consent application, the domestic effluent shall be treated in ETP.
- B] In case the treatment system is combined for trade effluent and sewage then the standards and disposal path prescribed at sr. no.1 B & C of schedule I shall be applicable.
- 3) The Board reserves its rights to 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, 1977 and as amended, by installing water meters, filing water cess returns in Form-I 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	734
2.	Domestic purpose	53
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	4897
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	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:

- As per your application, you have proposed to provide the Air pollution control (APC) system and also proposed to erect following stack (s) and to observe the following fuel pattern-

Sr. No.	Stack To	Attached APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S %	SO ₂ Kg/Day
1	Boiler 62 TPH	Cyclone separator +ESP each	69	Indian coal	300 MT/D	0.8	1200
2	Boiler 28 TPH	Cyclone separator +ESP each	54	Indian coal	130 MT/D	0.8	520
3	DG sets 250 KVA x 4, 625 KVA X 2 nos, 1000 KVA x 4 nos	Acoustic enclosure	4 -6.3	HSD	240 KL/A	1	13
4	Mica ABS 300013	Water scrubber	8	NA	NA	NA	NA
5	Mica Air wash TTK /ABS 300282	Water scrubber	20	NA	NA	NA	NA
6	White plant ABS 300008	Water scrubber	14	NA	NA	NA	NA
7	Mica ABS 300046	Water scrubber	8	NA	NA	NA	NA
8	White plant ABS 300009	Water scrubber	14	NA	NA	NA	NA
9	White air washer AWU 300001	Water scrubber	15	NA	NA	NA	NA
10	White plant coating ABS 300010	Water scrubber	14				
11	IOC ABS 300014	Water scrubber	14	NA	NA	NA	NA
12	Pearl plant (PA 341101)	Water scrubber	13	NA	NA	NA	NA
13	HPP Ammonia scrubber	Water scrubber	26	NA	NA	NA	NA
14	BATCH Making, New Benz Pigment	Water scrubber	20	NA	NA	NA	NA
15	Batch making New Azo Pigment	Water scrubber	20	NA	NA	NA	NA
16	Rubine CDR 300001	Water scrubber	20	NA	NA	NA	NA
17	Yellow CDR 300003	Water scrubber	20	NA	NA	NA	NA
18	RLC CDR 3000002	Water scrubber	20	NA	NA	NA	NA
19	Rubine CDR	Water	2	NA	NA	NA	NA

300004	scrubber				
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- 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	Not to exceed	50 ppm
HCl	Not to exceed	20 mg/Nm ³
Cl ₂	Not to exceed	5 mg/Nm ³
H ₂ S	Not to exceed	5 mg/Nm ³
P ₂ O ₅ (as H ₃ PO ₄)	Not to exceed	10 mg/Nm ³
NH ₃	Not to exceed	30 mg/Nm ³

4. Standards for Emissions of VOC Pollutants:

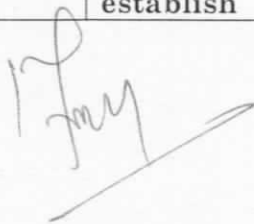
Sr.No	Compounds	Maximum emission limit (mg/Nm ³), dry basis
1	MA,PA,Phenol	20
2	Ethyl benzene (EB), Styrene, Toulene, Xylene, Aromatics, EG, PG	100
3	Non-methane HC (Paraffin), Acetone, olefins	150

- 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).

[Handwritten signature]

Schedule-III
Details of Bank Guarantees

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Amendment in C to E	Rs 10 Lakhs	Within 15 days from the date of issue of consent	Industry shall comply with the conditions of EC dated 25.01.2016 and consent to establish	04.04.2018	04.08.2018



Maharashtra Pollution Control Board

Schedule-IV

General Conditions:

- 1) 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.
- 2) Industry should monitor effluent quality, stack emissions and ambient air quality monthly.
- 3) 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.
- 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 Hazardous & Other Waste (M & T) 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.
- 8) The industry should comply with the Hazardous & Other Waste (M & T) Rules, 2016 and submit the Annual Returns as per Rule 6(5) of Hazardous & Other Waste (M & T) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
- 9) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 10) **The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the Unit/ Activity.**
- 11) 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).
- 12) 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.
- 13) 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.
- 14) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- 15) 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.

16) 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.
- 17) The industry should not cause any nuisance in surrounding area.
- 18) 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.
- 19) The applicant shall maintain good housekeeping.
- 20) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a statement on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end, with the Environment Statement.
- 21) 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.
- 22) 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.
- 23) 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.
- 24) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 25) 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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