

MAHARASHTRA POLLUTION CONTROL BOARD

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Red/LSI

Date: 28/02/2013

Consent No .BO/ RO Kolhapur/ PCI-I/ EIC- KP-11815-13/ CC-2977

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 / Renewal of Authorization under Rule 5 of the Hazardous Wastes (Management , Handling & Transboundary) Rules 2008 [To be referred as Water Act, Air Act and HW(M&H) Rules respectively].

CONSENT is hereby granted to,

M/s Shreyas Intermediates Ltd,
Plot No. D-21, MIDC Lote Parshuram,
Tal. Khed, Dist. Ratnagiri - 415722.

located in the area declared under the provisions of the Water Act, Air Act and Authorization under the provisions of HW(M&H) Rules and amendments thereof subject to the provisions of the Act and the Rules and the Orders that may be made further and subject to the following terms and conditions.

1. The Consent to operate is granted for a period up to- 28/02/2014.

2. The Consent is valid for the manufacture of -

Sr.No.	Product	Maximum Quantity
1.	CPC crude Blue	1000.0 Mt/m
2.	Pigment Blue	300.0 Mt/m
By Products		
1.	Ammonium Sulphate	1000.0 Mt/m
2.	Ammonium Bicarbonate	1000.0 Mt/m
3.	Calcium Carbonate	1000.0 Mt/m

3. **CONDITIONS UNDER WATER ACT:**

(i) The daily quantity of trade effluent from the factory shall not exceed 100 m³.

(ii) The daily quantity of sewage effluent from the factory shall not exceed 100 m³.

(iii) **Trade Effluent:**

Treatment: The applicant shall provide comprehensive treatment system consisting of primary / secondary and/or tertiary treatment as per practice with reference to influent quality and operate and maintain the same continuously so as to achieve the quality of the treated effluent to the following standards:

1)	pH	Between	6.0 to 8.5
2)	Suspended Solids	Not to exceed	100 mg/l
3)	BOD 3days 27 Deg. C.	Not to exceed	100 mg/l
4)	COD	Not to exceed	250 mg/l
5)	Oil & Grease	Not to exceed	10 mg/l
6)	Copper	Not to exceed	3.0 mg/l
7)	Mercury (as Hg)	Not to exceed	0.01 mg/l

8)	Chromium (as Cr ⁶⁺)	Not to exceed	0.1	mg/l
9)	Chromium (Total Chromium)	Not to exceed	2.0	mg/l
10)	Copper (as Cu)	Not to exceed	8.0	mg/l
11)	Zinc (as Zn)	Not to exceed	5.0	mg/l
12)	Nickel (as Ni)	Not to exceed	3.0	mg/l
13)	Lead (as Pb)	Not to exceed	0.1	mg/l
14)	Manganese (as Mn)	Not to exceed	2.0	mg/l
15)	Cadmium (as Cd)	Not to exceed	2.0	mg/l
16)	Chloride (as Cl)	Not to exceed	1000	mg/l
17)	Sulphate (as SO ₄)	Not to exceed	600	mg/l
18)	Phenolic Compounds (as C ₆ H ₅ OH)	Not to exceed	1.0	mg/l
19)	The bioassay test on fish show 90% survival in 96 Hours in 100 % effluent.			

(iv) **Trade Effluent Disposal :** The treated trade effluent shall be recycled to the maximum extent & remaining connected to CETP Lote through sewerage system provided by MIDC.

(v) **Sewage Effluent Treatment:** The applicant shall provide comprehensive treatment system as is warranted with reference to effluent quantity to operate and maintain the same continuously so as to achieve the quality of treated effluent to the following standards:

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

(vi) **Sewage Effluent Disposal:** The treated sewage effluent shall be disposed on land for gardening only.

(vii) **Non-Hazardous Solid Wastes**

Type of Waste	Quantity	Treatment	Disposal
1. M.S. scrap	1.0 T/m.	----	By Sale
2. Waste Plastic Bags	2.0 T/m.	----	By Sale
3. Boiler ash	1.0 T/m.	----	By sale

(viii) **Other conditions:**

1] The industry shall monitor effluent quality regularly.

4. The applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 (to be referred as Cess Act) and Rules there under:

The daily water consumption for the following categories as as follows:

Sr.No	Consumption	Quantity
1	Domestic	25 CMD
2	Industrial Processing generating Biodegradable waste water	10 CMD
3	Industrial Processing generating Non-Biodegradable waste water	---- CMD
4	Industrial Cooling/Boiler	320 CMD
5	Other uses like gardening Etc	10CMD

The applicant shall regularly submit to the Board the returns of water consumption in the prescribed form and pay the Cess as specified under Section 3 of the said Act.

5. CONDITIONS UNDER AIR ACT:

- (i) The applicant shall install a comprehensive control system consisting of control equipments as is warranted with reference to generation of emissions and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards:

A) Control Equipment:

1. Dust collector of sufficient capacity shall be provided.
2. Scrubber of sufficient capacity shall be provided to the reactor to scrub the ammonia fumes, Process emissions.
3. Stacks provided to the Boiler & D.G. Set.

B) Conditions for D.G. Set:-

- 1] Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
- 2] Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/acoustic treatment of the room should be designed for meeting 25 dB(A) insertion loss or for meeting the ambient noise standard 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 to be done at different points at 0.5 metres from acoustic enclosure/room and then average.
- 3] The industry shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise to less than 75 dB(A) during day time and 70 dB(A) during the night time. Day time is reckoned between 6 a.m. to 10 p.m. and night time is reckoned between 10 p.m. to 6 a.m.
- 4] 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.
- 5] Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
- 6] 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.
- 7] D.G. Set shall be operated only in case of power failure.
- 8] The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.

C) Standards for Emissions of Air Pollutants

(i)	SPM/TPM	Not to exceed	150.0 mg/Nm ³
(ii)	SO ₂	Not to exceed	137.0 µg/Day
(iii)	SO ₂ (process)	Not to exceed	50.0 PPM
(iv)	Ammonia	Not to exceed	3.0 PPM
(v)	Acid Mist	Not to exceed	35.0 mg/Nm ³

ii) The applicant shall observe the following fuel pattern:

<u>Sr.No.</u>	<u>Type of Fuel</u>	<u>Quantity</u>
1.	Baggase Briquette	34.32 T/Day
2.	Furness Oil	200 Lits/Day

iii) The applicant shall erect the chimney(s) of the following specifications:-

<u>Sr.No.</u>	<u>Chimney attached to</u>	<u>Height in Mtrs.</u>
1.	Boiler 1 & 2	30.0
2.	Thermopack No. 1 & 2	26.0
3.	Scrubber (2 nos)	15.0
4.	D.G.Set (1400 KVA)	5.0 (above the crest)

(iv) 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.

(v) 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 55 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.

(vi) **Other Conditions:**

- 1) The industry should not cause any nuisance in surrounding area.
- 2) The industry should monitor stack emissions and ambient air quality regularly.
- 3) The industry should comply with Bombay Smoke Nuisance Act, 1942.

6. CONDITIONS UNDER HW (M&H) RULES, 1989 & AMENDMENT RULES.

(i) The applicant shall handle hazardous wastes as specified below:

Sr. No	Item No. as per Sch-I	Type of Waste	Quantity	Disposal
1.	26.2	Chemical Sludge From ETP	500 Kg/Day	CHWTSDF TTC
2.	26.3	Dust from Air filtration System	10 Kg/Day	CHWTSDF TTC

7. Whenever due to any accident or other unforeseen act or event, such emission or discharge is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of District Health Services, Department of Explosives, Inspectorate of Factories and Labour Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.

8. **General conditions:**

(i) 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, no. of trees surviving as on 31st March of the year and no. of trees planted by September end.

(ii) The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by he applicant and operate the same in case of power failure to maintain compliance with the terms and conditions of the consent. In the absence of same, the applicant shall stop, reduce or otherwise,

- control production to abide by terms & conditions of this consent regarding pollution levels.
- (iii) The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent. The applicant shall not change or alter 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.
 - (iv) The firm shall submit MPCB, 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 before 30th September every year.
 - (v) 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. The applicant shall also submit a comparative statement of designed power and chemical consumptions vis-a-vis actual power and chemical consumption along with Environmental statement.
 - (vi) Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of collection system with arrangement for measuring the flow. No effluent shall be permitted in the pipes/sewers down-stream of the terminal manholes. No effluent shall be discharged in any way other than in designed and provided collection system. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
 - (vii) The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous wastes to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
 - (viii) 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.
 - (ix) The applicant shall maintain good house keeping and take adequate measures for control of pollution from all sources so as not to cause nuisance to surrounding area / inhabitants.
09. If CETP does not work for achieving standards & problem of pollution occurs, industry shall voluntarily stop the production or total effluent shall be raised.
 10. The consent should not be construed as any exemption from obtaining necessary NOC from other Govt. agencies as may be deemed fit necessary.
 11. The industry shall also comply with the Industry specific standards notified under Environment Protection Act.
 12. Regional Officer shall forfeit existing Bank Guarantee of Rs. 50,000/- for non installing TOC analyzer and exceeding JVS results.
 13. Industry shall submit fresh Bank Guarantee of Rs. 5 Lakh towards O & M of pollution control system and Bank Guarantee of Rs. 1 Lakh towards timely installation of TOC analyzer. BG shall be submitted within 15 days to Regional Officer Kolhapur which shall be valid for one year period.

14. This Consent is issued pursuant to the decision of 20th CC meeting held on 15.03.2013 of the Board.

15. The capital investment of the industry is Rs. 45.00 Crore.


(Rajeev Kumar Mital, IAS)
Member Secretary

To,
M/s Shreyas Intermediates Ltd,
Plot No. D-21, MIDC Lote Parshuram,
Tal. Khed, Dist. Ratnagiri - 415722 .

Copy to:

- 1) Regional Officer, MPCB, Kolhapur.
- 2) Sub-Regional Officer, MPCB, Chiplun.
- 3) Chief Accounts Officer, MPCB, Mumbai
- 4) Cess Wing/Master file.

They are directed to submit the copy of consent conditions.

Received Consent fee of - Amount
Rs. 2,60,100/-

D.D.No. 901403
Date 16/06/2011

Drawn on
Bank of Baroda

Maharashtra Pollution Control Board