

MAHARASHTRA POLLUTION CONTROL BOARD

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Kalpataru Point, 2nd - 4th Floor
Opp. Cine Planet Cinema,
Near Sion Circle, Sion (E)
Mumbai-400 022.

RED/LSI

Consent No. BO/JD (WPC)/ ECI-TN-3425-12/01-CC-368

Date: 02/05/2011

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 Movement) Rules 2008 [To be referred as Water Act, Air Act and HW(M,H & T) Rules respectively].

CONSENT is hereby granted to

**M/s.Siyaram Silk Mills Ltd.,
G-1/1, MIDC Boisar -Tarapur,
Tal. Palghar, Dist. Thane**

located in the area declared under the provisions of the Water Act, Air act and Authorization under the provisions of HW(M, H & T) Rules there 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 31.12.2016.

2. The consent is valid for the manufacture of –

Sr. No.	Product	Maximum Quantity
1	Texd. Poly Dyed Yarn	10 T/Month
2	Twisted Poly Dyed Yarn	200 T/Month
3	Spun Dyed Yarn	100 T/Month
4	Cotton Dyed Yarn	50 T/Month
5	Filt. Dyed Yarn	50 MT/M
6	Space Dyed Yarn	50 MT/Month

3. **CONDITIONS UNDER WATER ACT:**

- (i) The daily quantity of trade effluent from the factory shall not exceed 505 M³.
(ii) The daily quantity of sewage effluent from the factory shall not exceed 20 M³.

(iii) **Trade Effluent :**

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

		Between	5.5 to 9
1	pH		
2	Suspended Solids	Not to exceed	100 mg/l.
3	BOD 3 days 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	Total Dissolved Solids	Not to exceed	2100 mg/l.
7	T.A.N.	Not to exceed	50 mg/l.
8	Detergent	Not to exceed	1 mg/l.
9	Residual Chlorine	Not to exceed	1 mg/l.

- (iv) **Trade Effluent Disposal :** The treated trade effluent should be recycled/ reused to the maximum extent for cooling purpose and remaining shall be connected to the CETP for further disposal. In no case effluent shall find its way into any inland surface water, nalla.

- (v) **Sewage Effluent Treatment** : The applicant should operate comprehensive treatment system as is warranted with reference to influent quality 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 Deg. C. | Not to exceed | 30 | mg/l. |

- (vi) **Sewage Effluent Disposal** : The treated sewage effluent should be soaked into soak pit which should be got cleaned periodically. Overflow, if any be used on land for gardening only.

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

Sr. No.	Type of Waste	Quantity	Disposal
1.	Coal Ash/ Boiler Ash	5T/M	Sale to brick manuf.
2.	Rags/FFelts	Nil	Dispose Scientifically /Sale
3.	Small Waste fabric & waste cotton yarn	150Kg/M	Dispose Scientifically /Sale

- (vii) **Other conditions** : The industry should monitor effluent quality regularly from MoEF approved laboratory.

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 thereunder :
The daily water consumption for the following categories is as under:

(i) Domestic	...	25	CMD
(ii) Industrial Processing	...	800	CMD
(iii) Industrial Cooling	...	150	CMD
(iv) Agriculture/Gardening	...	25	CMD

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 emission and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards :

- A) **Control Equipment** : 1] Bag Filters 2] Rotary Air Filters 3] Fiber Separator 4] Chimney for Exhaust outlet 5] Suitable Ventilation equipments to the a) Rope Dyening b) Sizing c) Blow Room d) Carding & Draw frame e) Spinning & Preparatory f) Weaving Section 6] Multicyclone type dust collection system with Wet Scrubber of adequate capacity shall be provided to all the boiler to all the boilers should be operated and maintained properly.

- B) **Standards for Emissions of Air Pollutants :**

(i)	SPM	Not to exceed	150	mg/Nm ³ .
(ii)	SO ₂	Not to exceed	1300	kg/day

- (ii) The applicant shall observe the following fuel pattern :-

<u>Sr.No.</u>	<u>Type of Fuel</u>	<u>Quantity</u>
1.	F.O.	600 lit/Hr
2.	Coal	6MtKg/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.	Thermic Fluid Heater & 2 Tone Boiler	33 mtrs.
2.	IBI Boiler (New) 4 Ton	33 mts.

- (iv) The applicant shall provide ports in the chimney/(s) and facilitates 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 for 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.

(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.

6. CONDITIONS UNDER HW(M,H & TM) RULES, 2008.

The applicant shall handle hazardous wastes as specified below:

Sr. No.	Item No. Of process substance generating HW as per Schedule-I/II	Type of waste	Quantity	Disposal
1	24.2	Chemical Sludge from Waste Water Treatment	5MT/M	Shall be sent to CHWTSDf
2	24.1	Textile Chemicals Residue		
3	26.1	Process Sludge containing acid or toxic metals		
4	5.1	Used / Spent Oil	5 Ltrs/M	Authorized reprocessor

7. 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.

8. General Conditions:

- (i) The applicant should bring minimum 33% of the available open land under green coverage/ plantation. The applicant should 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 should 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 should stop, reduce or otherwise, control production to abide by terms & conditions of this consent regarding pollution levels.
- (iii) The applicant should make an application for renewal of the consent at least 60 days before the date of the expiry of the consent. The applicant should 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 should submit MPCB, the Environmental Statement Report for the financial year ending 31st March in the prescribed Form-V as pre the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992 before 30th September every year.
- (v) The applicant should 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 should be maintained. The applicant should 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 should be provided for collection of trade and sewage effluents. Terminal manholes should be provided at the end of collection system with arrangement for measuring the flow. No effluent should be admitted in the pipes/sewers down- stream of the terminal manholes. No effluent should find its way other than in designed and provided collection system. Neither storm water nor discharge from other premises should be allowed to mix with the effluents from the factory.
- (vii) The applicant should 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 should pay to the Board for the services rendered in this behalf. An inspection book should be opened and made available to the Board's officers during their visit to the applicant.
- (viii) The industry should 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 should 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.

9. This consent is issued pursuant to the decision of Consent Committee meeting of Board held on 02.04.2012.

10. Gross block capital investment of the unit is Rs. 42.29 Cr.

For and on Behalf of the
Maharashtra Pollution Control Board,


(Milind Mhaiskar)
Member Secretary

To,
M/s.Siyaram Silk Mills Ltd.,
G-1/1, MIDC Boisar -Tarapur,
Tal. Palghar, Dist. Thane

Copy to:
RO-Thane /SRO- Tarapur :- they are directed to ensure compliance of consent conditions.
CAO / Cess Branch / Master File
Received Consent fee of –

Amount	D.D. No.	Date	Bank
2,50,000/-	575140	28.11.2011	HDFC Bank
1,25,000/-	221835	02.01.2012	