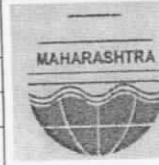


# MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 4010437/4020781  
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Visit At : <http://mpcb.gov.in>



Kalpataru Point, 3rd & 4th floor, Sion-Matunga Scheme Road No. 8, Opp. Cine Planet Cinema, Near Sion Circle, Sion (E),  
Mumbai - 400 022

**Red/LSI**

**Consent No: Format 1.0/BO/JD(WPC)/EIC No. - TN - 5990 - 15/O/CC-9864**

Date: 26/08/2016

To,  
M/s. Nirvan Silk Mills Pvt. Ltd.  
Plot No. D-6, MIDC Boisar - Tarapur,  
Tal.- Palghar, Dist.- Palghar.

**Subject: Consent to 1<sup>st</sup> Operate for Yarn dyeing with amalgamation under RED category.**

- Ref :**
1. Earlier Consent to Operate granted under green category vide no. SROT-I/SAT/R/CC-491, dtd 12/09/2011
  2. Earlier Consent to Establish granted vide no. BO/JD/(WPC)/EIC No. TN-3710-11/E/CC-967, dtd 01/03/2013.
  3. Minutes of CC meeting held on 19/07/2016

Your application: CO1507000296.

Dated: 04/07/2015.

For: Consent 1<sup>st</sup> Operate for Yarn dyeing with amalgamation under RED category 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 5 of the Hazardous & Other Wastes (M & T M) 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 from 01/07/2016 to 31/01/2018. The actual capital investment of the industry is Rs. 51.35 Crs. (Existing Rs. 4.8 + 46.55 Crs.) (As per the C.A. Certificate submitted by industry)
2. The Consent is valid for the manufacture of -

Sr. No.	Product / By-Product Name	Maximum Quantity	UOM
1.	Yarn Dyeing	5	MT/D
2.	Grey Cloth (Weaving Only )	3,00,000	Mtr./M

3. 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	430	As per Schedule -I	<b>Zero Liquid Discharge.</b> (The treated 80% trade effluent (RO permeate) shall be recycled and reused in process and remaining 20% shall be sent to MEE to achieve ZLD)
2.	Domestic effluent	8	As per Schedule -I	For plantation and gardening

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

Sr. no.	Description of stack / source	Number of Stack	Standards to be achieved
1.	Coal fired Boiler	01	As per Schedule -II
3.	DG Set (625 KVA)	01	As per Schedule -II

5. Conditions about Non Hazardous Wastes:

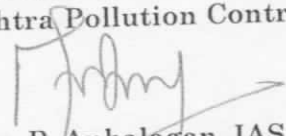
Sr. no.	Type of Waste	Quantity & UoM	Treatment	Disposal
1	Yarn Waste	25 Kg/Month	---	Sale
2	Fly/Coal Ash	500 Kg/Day	---	Sale to Brick Manufactures

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

Sr. No.	Type Of Waste	Category	Quantity	UOM	Treatment	Disposal
1	Chemical sludge from waste water treatment	24.2	450	Kg/M	---	CHWTSDF
2	Discarded containers	33.3	10	Nos/Day	---	Sale authorized reprocessor

7. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry. The consent is issued without prejudice to court order in petition from time to time.
8. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
9. This consent is issued with the overriding effect to the earlier consent issued for manufacturing of Grey Cloth under Green Category vide No: SROT-I/SAT/R/CC-491 dated 12/09/2011.
10. Project proponent shall submit the affidavit for not to discharge any effluent in CETP drains and outside the factory premises and Project Proponent will achieve Zero Liquid Discharge.
11. This consent is issued on the basis of validation report for ZLD submitted by Industry vide letter dtd.15.01.2016, which is vetted and approved by IIT, Bombay vide letter dtd.15.01.2016.

For and on behalf of the  
Maharashtra Pollution Control Board

  
Dr. P. Anbalagan, IAS  
Member Secretary

Received Consent fee of -

Sr. No.	Amount (₹)	DD. No.	Date	Drawn On
1	75100/-	006745	01/06/2015	ICICI Bank
2	1,50,000/-	069444	24/06/2015	ICICI Bank

Copy to:

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



Maharashtra Pollution Control Board

### Schedule-I

#### Terms & conditions for compliance of Water Pollution Control:

1) A] As per your application, you have provided Effluent Treatment Plant (ETP) with Primary, Secondary and tertiary treatment system including Ultra filtration and Reverse Osmosis with design capacity of 430 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	Standards prescribed by Board (If any)
	I. Compulsory Parameters	Limiting Concentration in mg/l, except for pH
01	pH	5.5 - 9
02	Oil & Grease	10
03	BOD (3 days 27°C)	100
04	Suspended Solids	100
05	COD	250
06	Detergent	1
07	TAN	50
08	R chlorine	1

C) The treated 80% trade effluent (RO permeate) 340 CMD shall be recycled and reused in process and remaining about 90 CMD (RO reject) shall be sent to MEE to achieve 100% Zero Liquid Discharge. In no case effluent shall find its way into MIDC drainage, any inland surface water, nalla, river or stream.

D) The Applicant shall provide separate electromagnetic flow meter to the recycling line of 80% treated effluent (RO permeate) and shall maintain daily record, which shall be presented at the time of inspection of Board officials.

2) A] As per your consent application, you have provided the septic tank and soak pit for the treatment of Domestic effluent.

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 sewage shall be soaked in a soak pit, which shall be got cleaned periodically. Overflow shall be connected to sewerage system provided by MIDC.

- 3) 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	100
2.	Domestic purpose	11
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	450
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	Nil

- 4) 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.



Maharashtra Pollution Control Board

## 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 also erected following stack (s) and to observe the following fuel pattern-

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S %	SO <sub>2</sub> Kg/Day
1	Coal fired Boiler	Multicyclone Dust Collector followed by Wet Scrubber	30 (Common Stack)	Coal	10 MT/D	0.5	100
3	DG Set (625 KVA)	----	5*	HSD	35 Lit/Hr	1.0	11.76

(\*-above the roof level)

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.
3. The applicant shall provide scrubber of sufficient capacity to bleaching section to limit the emissions within prescribed standards.
4. 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 <sup>3</sup> .
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5. 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.
6. 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).

## Schedule-III

### Details of Bank Guarantees

#### Proposed Bank Guarantee:

Sr. No	BG Guarantee Amount	Submission Period	Consent conditions	Compliance period	Validity
1	Rs. 10.0 Lakhs	Existing BG shall be extended	Towards compliance of Zero Liquid Discharge and Operation and Maintenance of Pollution Control system.	Continuous	31.05.2018

## 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 quarterly.
- 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 30<sup>th</sup> day of September every year, the Environmental Statement Report for the financial year ending 31<sup>st</sup> 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 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.
- 8) The industry should comply with the Hazardous & Other Waste (M & TM) Rules, 2016 and submit the Annual Returns as per Rule (5) & 20(2) of Hazardous & Other Waste (M & T M) 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 make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.**
- 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](http://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 applicant shall maintain good housekeeping.
- 19) 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 31<sup>st</sup> March of the year and number of trees planted by September end, with the Environment Statement.
- 20) 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.
- 21) 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.
- 22) 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.
- 23) 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).
- 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 dt. 16.11.2009 as amended.
- 26) 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.
- 27) 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.

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