

## MAHARASHTRA POLLUTION CONTROL BOARD

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

Consent order No: - BO/CAC-Cell/EIC No:-NM-5438-14/CAC/ 2671

Date- 10/03/2015

To,  
M/s. Larsen & Toubro Limited.,  
Plot No A-600, TTC Industrial Area,  
Shil-Mahape Road,  
Navi Mumbai-400 710.

Subject: 1st consent to operate for expansion and renewal of consent to operate & their amalgamation in RED category.

- Ref : 1. Earlier Consent to operate granted vide no. BO/APAE/EIC No.NM-4815-13/O-CC-9999 dtd.05.12.2013.  
2. Earlier Consent to establish granted vide no. BO/JD(APC)/EIC No.NM-4157-12/E/ CC-723 dtd. 27.02.2012.  
3. Your application approved in CAC meeting held on 24.02.2015.

Your application:- CR1410000128.

Dated: 01.10.2014

For: 1st consent to operate for expansion and renewal of consent to operate expansion & their amalgamation 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 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:

- The consent is granted for a period from 01.11.2014 to 30.04.2018.
- The actual capital investment of the industry is Rs.143.597 Crs. (Existing CI- Rs. 108.98 Cr + Increased CI- Rs. 34.61 Cr. Total CI- Rs. 143.597 Cr. C.A. Certificate submitted by industry)
- The Consent is valid for the manufacture of -

Sr. No.	Product / By-Product Name	Maximum Quantity Nos./Annum
1.	Industrial Electronic Panels	2,500
2.	Industrial Electronic Devices	30,000
3.	Electrical Panel Boards	1,800
4.	Air Circuit Breakers (ACBs)	36,000
5.	Moulded Case Circuit Breakers (MCCBs)	6,000
6.	Switchgear Items & Accessories	4,32,000

- 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	NA	As per Schedule -I	NA
2.	Domestic effluent	50	As per Schedule -I	Reuse/recycle and remaining on land for gardening

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.	DG sets	5	As per Schedule -II

6. Conditions about Non Hazardous Wastes:

Sr. no.	Type Of Waste	Quantity & UoM	Treatment	Disposal
1.	Paper Waste	121.5 MT/A	----	Sale to authorized vendor/re-processor
2.	Cardboard	70M T/A	----	
3.	Wood Waste	80 MT/A	----	
4.	Steel	415 MT/A	----	
5.	Aluminum	20 MT/A	----	
6.	Copper	100 MT/A	----	
7.	Brass	1.0 MT/A	----	
8.	Phosphor Bronze	0.5 MT/A	----	
9.	Bakelite/ Plastic Waste	10 MT/A	----	
10.	Canteen Waste	26 MT/A	OWC	Manure/Send to NMMC site
11.	Garden Waste	08 MT/A	Compost	Manure

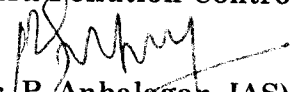
7. Conditions under Hazardous Waste (MH & TM) Rules, 2008 for treatment and disposal of hazardous waste:

Sr. No.	Type Of Waste	Category	Quantity	UOM	Treatment	Disposal
1.	Spent/Used oil	5.1	3.8	KL/Year	NA	CHWTSDF
2.	Electrical & Electronic Waste	31.1	3.2	MT/Year	NA	Approved recycler
3.	Oil soaked cotton waste	5.2	3.07	MT/Year	NA	CHWTSDF
4.	Discarded Containers	33.3	153	Nos./Year	NA	CHWTSDF
6.	Heavy Metal containing residue	34.2	60	Lit/A	NA	CHWTSDF
7.	Waste Lead Acid Batteries	Schedule - III	1.36	MT/Year	NA	Approved recycler

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.

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.	Rs. 9,36,419/-	336988	18.09.2014	Standard Chartered Bank
2.	Rs. 1,43,855/-	005653	05.03.2015	Citi Bank

**Copy to:**

1. Regional Officer, Navi Mumbai - *He directed to return the existing BG of Rs. 2 lakhs obtained towards O&M of pollution control system.*
2. Sub-Regional Officer-Navi Mumbai-II, MPCB - They are directed to ensure the compliance of the consent conditions.
3. Chief Accounts Officer, MPCB, Mumbai.
4. CC/CAC desk- for record & website updation purposes.

*Handwritten signature/initials*

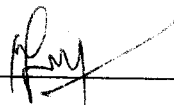
Maharashtra Pollution Control Board

**Schedule-I**  
**Terms & conditions for compliance of Water Pollution Control:**

- 1) A] As per your application, you are not generating any treated effluent.  
B] Disposal of treated effluent is Not applicable.
- 2) A] As per your consent application, you have provided the sewage treatment system with the design capacity of 50 CMD.  
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 | 50  | mg/l. |
| (2) | BOD 3 days 27°C. Not to exceed  | 30  | mg/l. |
| (3) | COD Not to exceed               | 100 | mg/l. |
- C] The treated sewage of 35 CMD shall be recycled/reused for flushing, fire fighting, cooling etc and remaining 15 CMD shall be used on land of 2900 Sq. mtrs for gardening/plantation purpose after confirming the above standards. In no case, at any time directly/indirectly effluent shall find its way outside the factory premises.
- D] 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	02
2.	Domestic purpose	68
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	Nil
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	Nil

- 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:**

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.	D.G. Sets (750 KVA x 2 Nos.)	----	12 each	HSD	635 Lit/Hr.	1	304.8
2.	D.G. Sets (1250 KVA x 2 Nos.)	----	13 each				
3.	D.G. Sets (160 KVA)	----	13				

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 / Environmental Clearance / CREP guidelines. (Concern section shall mention specific control equipments)
3. 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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4. 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.
5. 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**

**BG proposed**

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submissi on Period	Purpose of BG	Complian ce Period	Validity Date
1.	C to O	Rs. 5 Lacs	15 days	Operation & Maintenance Pollution Control devises	30.04.2018	31.08.2018

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#### 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) If the MIDC pipeline is broken/ overflowing chamber, in such cases industry shall not discharge their treated effluent into MIDC drain, it shall be sent to CETP by tanker.
- 3) Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
- 4) 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.
- 5) 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.
- 6) 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.
- 7) 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.
- 8) 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 /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 Hazarsous Waste (M,H & TM) Rules, 2008 for the preceding year April to March in Form-IV by 30<sup>th</sup> 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 make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.**
- 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](http://www.mpcb.gov.in)).
- 13) 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.
- 14) 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.
- 15) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.

