Consent

From: Consent
Sent: Wednesday, November 9, 2022 11:43 AM
To: eccompliance; 'Shri. V N Ambade'
Subject: Submission of Half Yearly Post Monitoring Report for the period of April, 2022 – September, 2022 for the proposed Mixed-Use Project at Plot bearing CTS. Nos. 86 & 87 Village Paspoli & CTS No 112, 115, 116/B of Tungwa, Saki Vihar Road, Powai, Mumbai
Attachments: PMR-L&T-112_WEST_APR,22-SEPT,22.pdf

To,
The Director
Ministry of Environment, Forests & Climate Change,
Regional Office, West Central Zone,
New Secretarial Building, East wing, Civil Lane,
Near Old VCA stadium,
Nagpur - 440001.
Maharashtra.

Subject: **Submission of Half Yearly Post Monitoring Report for the period of April, 2022 – September, 2022 for the proposed Mixed-Use Project at Plot bearing CTS. Nos. 86 & 87 Village Paspoli & CTS No 112, 115, 116/B of Village Tungwa, Saki Vihar Road, Powai, Mumba, Maharashtra.**

Reference: **Clearance letter no. File No.: SEAC-2014/C.R.151/C-1 Dated 28th January, 2016 and F. No. 21-80/2016-IA-III Dated 30th August, 2017.**

Dear Sir,
This is with reference to the above subject for our project. We are submitting herewith our half yearly monitoring report with following contents:

- Data Sheet.
- Compliance Report.
- Post Environment Monitoring Report.
- Energy conservation report.
- Copy of Environmental Clearance.
- Copy of Consent to Establish.
- Copies of the advertisement published in the newspaper (Marathi & English).

This is for your kind information.
Thanking you,
Yours truly,
M/s. Larsen & Toubro Ltd.

C.C. to: 1. The Secretary, Environment Department, Mantralaya, Mumbai.
2. The M.S., MPCB, Sion, Mumbai.

Thanks & Regards
Chandni Rupani
M/s. Enviro Analysts and Engineers Private Limited.
B-1003,Enviro House,10th floor.

Western Edge-II,W.E Highway.
Borivali(E),Mumbai-400066
Tel No:91-22 2854 1647/48/49/67/68
Email: c.rupani@eaepl.com
Contact No.: +91 9022334577
"File this email in an email folder and save a tree."

Consent

From: Consent
Sent: Wednesday, November 9, 2022 11:43 AM
To: 'sronavimumbai2@mpcb.gov.in'
Subject: Submission of Half Yearly Post Monitoring Report for the period of April, 2022 – September, 2022 for the proposed Mixed-Use Project at Plot bearing CTS. Nos. 86 & 87 Village Paspoli & CTS No 112, 115, 116/B of Tungwa, Saki Vihar Road, Powai, Mumbai
Attachments: PMR-L&T-112_WEST_APR,22-SEPT,22.pdf

To,
The Member Secretary,
M.P.C.Board,
Kalapataru point, Sion (East),
Mumbai – 400 022.
Maharashtra.

Subject: **Submission of Half Yearly Post Monitoring Report for the period of April, 2022 – September, 2022 for the proposed Mixed-Use Project at Plot bearing CTS. Nos. 86 & 87 Village Paspoli & CTS No 112, 115, 116/B of Village Tungwa, Saki Vihar Road, Powai, Mumba, Maharashtra.**

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C.C. to: 1. The Director, MoEF&CC, Nagpur.
2. The M.S., MPCB, Sion, Mumbai.

Thanks & Regards
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M/s. Enviro Analysts and Engineers Private Limited.
B-1003,Enviro House,10th floor.
Western Edge-II,W.E Highway.
Borivali(E),Mumbai-400066
Tel No:91-22 2854 1647/48/49/67/68

Email: c.rupani@eaepl.com
Contact No.: +91 9022334577
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LARSEN & TOUBRO

Date: 7th November 2022

To,
The Director
Ministry of Environment, Forests & Climate Change,
Regional Office, West Central Zone,
New Secretarial Building, East wing, Civil Lane,
Near Old VCA stadium,
Nagpur – 440001, Maharashtra.

Subject : **Submission of Half Yearly Post Monitoring Report for the period of April 2022 to September 2022 for the proposed Mixed Use Project at Plot bearing CTS. Nos. 86 & 87 Village Paspoli & CTS No 112 , 115,116/B of Village Tungwa, Saki Vihar Road, Powai, Mumba, Maharashtra.**

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Yours truly,

M/s. Larsen & Toubro Ltd.

Authorized Signatory

C.C TO:
1. Environment Department, Mantralaya, Mumbai
2. The RO MPCB, Mumbai.

Larsen & Toubro Limited
A. M. Naik Tower, 8th Floor, Gate No. 3, Jogeshwari - Vikhroli Link Road (JVLR), Powai, Mumbai - 400 072, Maharashtra, INDIA.
Tel.: +91 22 6705 8990 Fax: +91 22 6705 8903
CIN: L99999MH1946PLC004768

LARSEN & TOUBRO LTD. MUMBAI

Registered Office:
L&T House, Narottam Morarjee Marg, Ballard Estate, Mumbai - 400 001, Maharashtra, INDIA.

LARSEN & TOUBRO

Date: 7th November 2022

To,
The Director
Ministry of Environment, Forests & Climate Change,
Regional Office, West Central Zone,
New Secretarial Building, East wing, Civil Lane,
Near Old VCA stadium,
Nagpur – 440001, Maharashtra.

Subject: **Present status of Project work for the period of April 2022 to October 2022.**

Reference: **Clearance letter no. File No.: SEAC-2014/C.R.151/C-1 Dated 28th January, 2016 and F. No. 21-80/2016-IA-III Dated 30th August, 2017.**

Dear Sir,

This is with reference to the above subject, for the proposed Mixed-Use Project at Plot bearing CTS.Nos.86&87 Village Paspoli & CTS No 112, 115,116/B of Village Tungwa, Saki Vihar Road, Powai, Mumba, Maharashtra.

The present project status at site is as follows:

Wings		Floors	Status
IT Building – Wing A		3rd B + 2 levels of Part B/Part P + stilt/Gr+1 to 16th Floors	Construction not yet started
IT Building – Wing B		3rd B + 2 levels of Part B/Part P + stilt/Gr+1st to 2nd Floor	Occupation Certificate Received
IT Building – Wing C		3rd B + 2 levels of Part B/Part P + stilt/Gr+1 to 15th Floors	Occupation Certificate received
IT Tower 1		3 basement + Ground + 19 floors	Construction not yet started
IT Tower 2		3 basement + Ground + 19 floors	Construction not yet started
Retail Building		3 Basements + Ground + 1 floors	Construction not yet started
Residential Building	T1	2 Basement + 1 Basement /Lower Ground + Upper Ground/Podium 1 + Stilt + 22 Floors	Construction not yet started
	T2	2 Basement + 1 Basement /Lower Ground + Upper Ground/Podium 1 + Stilt + 22 Floors	Construction not yet started
	T3	2 Basement + 1 Basement /Lower Ground + Upper Ground/Podium 1 + Stilt + 22 Floors	Construction not yet started
	T4	2 Basement + 1 Basement /Lower Ground + Upper	Construction not yet started

Larsen & Toubro Limited
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		Ground/Podium 1 + Stilt + 22 Floors	
	T5	2 Basement + 1 Basement /Lower Ground + Upper Ground/Podium 1 + Stilt + 22 Floors	Construction not yet started
	T6	2 Basement + 1 Basement /Lower Ground + Upper Ground/Podium 1 + Stilt + 22 Floors	Construction not yet started
School Building		B + Ground + 6 floors	Occupation Certificate Received

Thanking you,

Yours truly,
M/s. Larsen & Toubro Ltd.

Authorized Signatory

LARSEN & TOUBRO LTD. MUMBAI

MONITORING THE IMPLEMENTATION OF ENVIRONMENTAL SAFEGUARDS

Ministry of Environmental and Forests

Regional Office, West Central Zone, Nagpur.

Monitoring Report

PART – I

DATA SHEET

1.	Project type: river - valley/ mining/ Industry / thermal / nuclear/ Other (specify)	Mixed Use Project
2.	Name of the project	---
3.	Clearance letter (s) / OM/ no and date:	File No.: F. No. 21-80/2016-IA-III Dtd. 30th August, 2017
4.	Location	Plot bearing CTS. Nos. 86 & 87 Village Paspoli & CTS No 112, 115,116/B of Village Tungwa, Saki Vihar Road, Powai, Mumbai
a.	District (s)	-----
b.	State (s)	Maharashtra.
c.	Latitude / Longitude	-----
5.	Address for correspondence	
a.	Address of concerned project Chief Engineer (with pin code & telephone / telex / fax number)	MR. Ankur Jadhav, (Project Head – L&T Business Towers) LARSEN & TOUBRO LTD, 10thFloor, Tower -A, TC-II, Saki Vihar Road, Gate No. 5, Powai, Mumbai – 400 072. Email: Ankur.Jadhav@larsentoubro.com
b.	Address of Executive Project Engineer /Manager (with pin code / fax number)	MR. Parag Datar, (AGM. – L & T Realty, Powai West Project) LARSEN & TOUBRO LTD, 10thFloor, Tower -A, TC-II, Saki Vihar Road, Gate No. 5, Powai, Mumbai – 400 072 Email: Parag.Datar@larsentoubro.com

6.	Salient features	
a.	of the project	Total Plot Area = 2,36,919 sq.m. As per FSI: 2,05,043.94 sq.m. Non FSI: 2,24,462.83 sq.m. Total construction Area: 4,29,506.75 sq.m. Buildings and Configurations: IT building: • Wing A – 3rd B + 2 levels of Part B/Part P + stilt/Gr+1 to 18th Floors • Wing B– 3rd B + 2 levels of Part B/Part P + stilt/Gr+1st to 2nd Floor • Wing C– 3rd B + 2 levels of Part B/Part P + stilt/Gr+1 to 18th Floors IT Towers: • IT Tower 1 with 3 basement + Ground + 18 floors • IT Tower 2 with 3 basements + Ground +18 upper floors • Convenience Shopping Building- 3 Basements + Ground + 4 floors Residential Towers: • T1 - 3 Basement + Ground + 1 podium + Stilt + 22 floor • T2 to T5 - 3 Basement + Ground + 1 podium + Stilt + 28 floor • T6 - 3Basement + Ground + 1 podium + Stilt + 24 floor School: • Ground + 3 floors
b.	of the environmental management plans	1. *Sewage Treatment Plant:* 6 Nos. of Sewage Treatment Plant with capacity 1134 KLD will be provided for treating the wastewater. Recycled wastewater will be used for Flushing, gardening etc. 2. *Water Management:* Rain Water Harvesting shall be provided to

		recharge the ground water table. 3. *Solid Waste Management:* • Non-Biodegradable waste shall be handed over to authorize recycler. • Biodegradable waste will be treated in OWC & the manure will be used for landscaping at site and as replacement for saw dust in OWC. • STP Sludge will be used as manure.
7.	Break Up Of the project Area	
a.	Submerge area: forest & non-forest	Non-Forest
b.	Others	Total Plot Area : 2,36,919 sq.m. As per FSI: 2,05,043.94 sq.m. Non FSI: 2,24,462.83 sq.m. Total construction Area: 4,29,506.75 sq.m.
8.	Break up of the project affected: Population with enumeration of those losing houses / dwelling units, only agriculture land only, both dwelling units and agriculture land and landless labourers / artisan	Not Applicable.
a.	SC, ST / Adivasis:	---
b.	Others	---
	(Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey is carried out give details and years of survey)	
9.	Financial details	
a.	Project cost as originally planned and subsequent revised estimates and the year of price reference	Total cost: 1,682 Cr.

<table>
<tr><td>b.</td><td>Allocation made for environmental management plans with item wise and year wise break-up</td><td>EMP Cost:<table><tr><th>Particulars</th><th>Setting- up Cost Lakhs (INR)</th><th>Annual Maintenance Cost Lakhs / Year (INR)</th></tr><tr><td>RWH</td><td>45</td><td>3</td></tr><tr><td>OWC</td><td>30</td><td>3</td></tr><tr><td>STP</td><td>122 (Excluding Civil cost)</td><td>12</td></tr><tr><td>Landscaping</td><td>358</td><td>48</td></tr><tr><td>Energy system</td><td>135 (Excluding Civil cost)</td><td>5</td></tr><tr><td>Total</td><td>690</td><td>71</td></tr></table></td></tr>
<tr><td>c.</td><td>Benefit cost ratio/ Internal rate of return and the year of assessment</td><td>------</td></tr>
<tr><td>d.</td><td>Whether (c) includes the cost of environmental management as shown in the above</td><td>------</td></tr>
<tr><td>e.</td><td>Actual expenditure incurred on the project so far</td><td>Rs. 589.5 Cr</td></tr>
<tr><td>f.</td><td>Actual expenditure incurred on the environmental management plans so far</td><td><table><tr><th>Particulars</th><th>Expenses till date (In Rs.)</th></tr><tr><td>STP</td><td>0.86 Cr</td></tr><tr><td>RWH</td><td>1.06 Cr</td></tr><tr><td>Solar Panels</td><td>0.36 Cr</td></tr><tr><td>OWC</td><td>0.08 Cr</td></tr><tr><td>Landscaping</td><td>6.31 Cr</td></tr><tr><td>Energy Conservation Systems</td><td>1.2 Cr</td></tr></table></td></tr>
<tr><td>10.</td><td colspan="2">Forest land required</td></tr>
<tr><td>a.</td><td>The status of approval for diversion of forest land for non-forestry use</td><td>The land is of non-forest type hence not applicable.</td></tr>
<tr><td>b.</td><td>The status of clearing and felling</td><td>R.G. Area: 14,320.05 Sq. m.
A combination of native evergreen trees and ornamental flowering trees, shrubs and palms are planned in the complex. There will be tree plantation of about 1,285 Nos. Different species will be selected as per CPCB green belt guidelines and common species available in the proposed area.</td></tr>
<tr><td>c.</td><td>The status of compensatory afforestation,</td><td>--------</td></tr>
</table>

	if any.	
d.	Comments on the viability & sustainability of compensatory afforestation program in the light of actual field experience so far.	N.A.
11.	The status of clear felling in non-forest areas (such as submergence area of reservoir, approach roads), if any with quantitative information.	N.A.
12.	Status of construction	
a.	Date of commencement (Actual and/or planned)	December, 2016.
b.	Date of completion (Actual and/ of planned)	School – Sep-22, Residential Phase 3A – 30-Apr-25.
13.	Reasons for the delay if the project is yet to start	------
14.	Dates of site visits	
a.	The date on which the project was monitored by the regional office on previous occasions, if any	28.02.2017.
b.	Date of site visit for this monitoring report	09.06.2022, 01.08.2022.
15.	Details of correspondence with project authorities for obtaining action plans/ information on status on compliance to safeguards other than the routine letters for logistic support for site visits	M/s. Larsen & Toubro Ltd. File No.: F. No. 21-80/2016-IA-III Dtd. 30th August, 2017

COMPLIANCE REPORT

Developer

M/S. LARSEN & TOUBRO LTD,

Plot bearing CTS. Nos. 86 & 87 Village Paspoli & CTS No 112 , 115,116/B of Village Tungwa , Saki Vihar Road, Powai, Mumbai

COMPLIANCE REPORT

PART A- SPECIFIC CONDITIONS:

I. Construction Phase:

i.	The project proponent shall obtain all necessary clearance/permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.	The development is carried out as per local planning authority. All the permissions and clearance are taken before starting the work.
ii.	The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.	Storm water drainage network for the project is proposed as per the existing contours. There shall be no alternation in the existing drainage pattern of the area. Rain water harvesting tanks will be provided for harvesting rain water. The waste water generated will be treated in STP and there shall not be any waste water discharge to natural drainage.
iii.	Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3-meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murram and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site. Sand, murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution. Wet jet shall be provided for grinding and stone cutting. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.	Vehicles use for transportation of building materials are covered with plastic sheets, Covered transportation system is followed. Dust suppression measures will be taken. Water sprinkled on unpaved surfaces and loose soil to suppress dust. Regular environmental monitoring is carried out to keep a check on the compliance of the proposed mitigation and prevailing regulatory standards. Only PUC certified vehicles are allowed within the project site.

iv.	All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.	The site is open land area; most of the construction waste will be reused for the construction activity. Dust mask will be provided to the all workers working at the construction site and involved in loading, uploading, carriage of construction materials.
v.	All industries within the lands owned by the project proponents shall be made inoperative and not influence in any negative way the life or property of the residents/occupants of the proposed project.	Condition is noted.
vi.	At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.	Condition is noted.
vii.	Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC. Outdoor and common area lighting shall be LED. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.	Energy conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Building in the States which have notified their own ECBC, shall be complied with the State ECBC.
viii.	Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.	Proper measures are proposed & will be incorporated for water conservation in the building plan.

ix.	Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.	Dual plumbing system will be adopted for reuse and recycle of water.
x.	Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.	Yes, water will be separated by the use of dual plumbing line.
xi.	Sewage shall be treated in the STP based on MBR Technology (with tertiary treatment i.e. Ultra-Filtration). The treated effluent from STP shall be recycled/re-used for flushing, horticulture & DG cooling. Excess treated effluent shall be discharged in to Municipal sewer line as per CPCB norms.	STP capacity of 1134 KLD (6 No's) will be provided to treat the waste water. Dual plumbing system will be provided to recycle this water for flushing, gardening.
xii.	The local bye-law provisions on rain water harvesting should be followed. If local bye-law provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. As proposed, Rainwater of buildings will be collected and 16 No. of recharge pits shall be provided for storm water recharging to ground after filtration as per CGWB guidelines.	Provision of Rain water harvesting will be provided. No ground water withdrawal for the project is proposed.
xiii.	Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials. Wet garbage shall be composted in Organic Waste Converter. As proposed, 334 sqm space shall be provided for Organic Waste Converter for solid waste management within the premises. The inert waste from group housing project will be sent to dumping site.	Solid waste shall be segregated into wet garbage and inert materials. The Wet Solid waste generated at site will be segregated & treated at OWC. The Dry solid waste will be handover to the authorized vendor.

xiv.	Solar based electric power shall be provided to each unit for at least twobulbs/light and one fan. As proposed, central lighting and street lighting shall also be based on solar power.	Solar based electric power shall be provided.
xv.	A First Aid Room shall be provided in the project both during construction and operations of the project.	A first Aid box is provided during both construction and operation phase.
xvi.	Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.	Excavated soil will be generated from the project site & it will be used for landscaping.
xvii.	Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	All construction waste shall be collected and segregated properly. Most of that shall be reuse for the construction activity. No construction waste shall be disposed or transported outside the site. Same shall be utilized at site for activities like road leveling and landfilling.
xviii.	The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.	D.G. sets will be provided as back up for buildings in Operation phase. These are environment friendly make and provided with acoustic enclosure to avoid noise emission.
xix.	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Yes, Ready mixed concrete (RMC) with fly ash will be used in the construction.
xx.	As proposed, no ground water shall be used during construction/ operation phase of the project.	There shall not be any use of ground water for construction purpose. The tanker water shall be used for construction purpose.
xxi.	Approval of the CGWA require before any dewatering for basements.	Condition is noted.

xxii.	The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc as per National Building Code including protection measures from lightening etc.	Condition is noted.
xxiii.	Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.	This is the construction project; no such hazardous waste is generated on site.
xxiv.	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during nonpeak hours.	The PUC checked/authorized vehicles are allowed on the site for transfer of material.
xxv.	Ambient noise levels shall conform to residential standards both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.	Ambient noise monitoring has been carried out at the site for both during day and night. Noise levels observed are within the permissible limits. Monitoring reports are attached.
xxvi.	Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.	Condition is noted.

xxvii.	A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria. • Hierarchy of roads with proper segregation of vehicular and pedestrian traffic. • Traffic calming measures • Proper design of entry and exit points. • Parking norms as per local regulation	• Road Markings and Signage's: Proper road markings (edge, median, arrows, turning, Kerb) and signages (direction, turning, speed, and pedestrian crossings) will be installed and maintained on all roads in the vicinity of project premises. • On-street parking will be prohibited on all external and internal streets. • Pick and drop at designated places only. • Preferably no U-Turn on roadway • Traffic calming measures – speed tables, signage. • Entry & Exit for the proposed project are located in such way that it won't affect traffic on the adjoining roads. • Sufficient parking has been provided. • Parking Details: IT & Convenience Shopping: 1,468 ECS Residential: 1,031 ECS School: 2 Bus + 10 Car

II. Operational Phase:

i.	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.	Yes, it will be as per CPCB norms. Monitoring of the DG set is carried out the results are within limits. Reports attached.
ii.	For indoor air quality the ventilation provisions as per National Building Code of India.	Condition is noted, shall be complied.
iii.	Fresh water requirement from Municipal Corporation of Greater Mumbai (MCGM) water supply shall not exceed 878 m3/day.	Condition is noted.
iv.	The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with	Condition is noted.

	six monthly Monitoring reports.	
v.	The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.	STP capacity of 1134 KLD (6 No's) will be provided to treat the waste water. Construction and installation of STP will be carried out by expert consultant. Discharge of unused treated water will be as per the norms and standards.
vi.	The project proponents would commission a third-party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing (specially the bacterial counts), comparative bacteriological studies from toilet seats using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spray faucets attached to toilet seats. This study would be undertaken for all projects for which an E.C. has been granted earlier to Larsen and Toubro and which are currently operational. The report should be submitted within 03 months to the MoEF&CC and put on the public domain also on the website of the Company.	Condition is noted.
vii.	No sewage or untreated effluent water would be discharged through storm water drains.	Condition is noted. No sewage or untreated effluent water shall be discharged through storm water drains.
viii.	Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.	Sludge from the onsite sewage treatment, including septic tanks shall be collected and will be used as manure.

ix.	The provisions of the Solid Waste Management Rules, 2016, e-Waste (Management) Rules, 2016, the Construction and Demolition Waste Management Rules, 2016 and the Plastics Waste Management Rules, 2016 shall be followed.	Condition is noted.
x.	Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heaters shall be used to meet hot water demand, as far as possible.	Condition is noted.
xi.	Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning. Used CFLs, TFL and LED shall be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.	A separate energy conservation report attached with this report.
xii.	A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. Preference should be given to planting native species. Where the trees need to be cut, compensatory plantation in the ratio of 1:3 (i.e. planting of 3 trees for every 1 tree that is cut) shall be done and maintained. As proposed 14320.05 sqm area shall be provided for green belt development.	• The green area proposed is 14,320.05 m^2. Accordingly, same will be provide as per approved plan. • A combination of native evergreen trees and ornamental flowering trees, shrubs and palms are planned in the complex. • There will be 1285 Nos. of tree plantation of different species selected as per CPCB green belt guidelines and common species available in the proposed area. • Local variety of tree species is been planted.

<table>
<tr><td>xiii.</td><td>An assessment of the cumulative impact of all development and increased inhabitation being carried out or proposed to be carried out by the project or other agencies in the core area, shall be made for traffic densities and parking capabilities in a 05 kms radius from the site. A detailed traffic management and a traffic decongestion plan drawn up through an organization of repute and specializing in Transport Planning shall be implemented to the satisfaction of the State Urban Development and Transport Department. This shall also include the consent of all the concerned implementing agencies.</td><td>Condition is noted.</td></tr>
<tr><td>xiv.</td><td>An environmental management plan (EMP) shall be prepared and implemented to ensure compliance with the environmental conditions specified above. A dedicated Environment Monitoring Cell with defined functions and responsibility shall be put in place to implement the EMP. The environmental cell shall ensure that the environment infrastructure like Sewage Treatment Plant, Landscaping, Rain Water Harvesting, Energy efficiency and conservation, water efficiency and conservation, solid waste management, renewable energy etc. are kept operational and meet the required standards. The environmental cell shall also keep the record of environment monitoring and those related to the environment infrastructure.</td><td>EMP cost has been worked out and allocated.
Year wise expenditures of the same are submitted to MPCB and Env. Dept, in the 6-monthly compliance.
EMP Cost:
<table>
<tr><th>Particulars</th><th>Setting- up Cost Lakhs (INR)</th><th>Annual Maintenance Cost Lakhs/ Year (INR)</th></tr>
<tr><td>RWH</td><td>45</td><td>3</td></tr>
<tr><td>OWC</td><td>30</td><td>3</td></tr>
<tr><td>STP</td><td>122 (Excluding Civil cost)</td><td>12</td></tr>
<tr><td>Landscaping</td><td>358</td><td>48</td></tr>
<tr><td>Energy system</td><td>135 (Excluding Civil cost)</td><td>5</td></tr>
<tr><td>Total</td><td>690</td><td>71</td></tr>
</table></td></tr>
<tr><td>xv.</td><td>The company shall draw up and implement a corporate social Responsibility plan as per the Company's Act of 2013.</td><td>Condition is noted.</td></tr>
</table>

Part B – GENERAL CONDITIONS:

i.	A copy of the environmental clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industries centre and Collector's Office/ Tehsildar's office for 30 days.	Condition is noted.
ii.	The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to this Ministry and its concerned Regional Office.	Year wise expenditure of the same is submitted to MPCB and Env. Dept., in the 6-monthly compliance.
iii.	Officials from the Regional Office of MoEF&CC, Nagpur who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF&CC shall be forwarded to the APCCF, Regional Office of MoEF&CC, Nagpur.	A complete set of all the documents submitted to MoEF&CC regularly to the Regional Office of MoEF&CC, Nagpur, MPCB and Mantralaya.
iv.	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.	Condition is noted.
v.	The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Condition is noted.
vi.	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, the Forest Conservation Act, 1980 and the Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from	Condition is noted.

	the respective competent authorities.	
vii.	These stipulations would be enforced among others under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and the EIA Notification, 2006.	Condition is noted.
viii.	The project proponent shall advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen on the website of the Ministry of Environment, Forest and Climate Change at http://www.envfor.nic.in. The advertisement shall be made within Seven days from the date of receipt of the Clearance letter and a copy of the same shall be forwarded to the Regional Office of this Ministry at Nagpur.	The advertisement is published in Marathi and English language local newspaper. In Marathi newspaper 'NAVSHAKTI' dtd. 6th Feb 2016 & in English newspaper 'THE FREE PRESS JOURNAL' dtd. 6th Feb 2016. Respectively Xerox copies of same are enclosed for your ready reference. Also, the advertisement is displayed on website of company.
ix.	Any appeal against this clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Condition is noted.
x.	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	Condition is noted.
xi.	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF&CC, the	Condition is Noted.

	respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, 502, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	
xii.	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF&CC by email.	Will be complied.
xiii.	This issues with the approval of the Competent Authority.	Condition is Noted.

ENERGY CONSERVATION MEASURES

Developer

M/S. LARSEN & TOUBRO LTD,

Plot bearing CTS. Nos. 86 & 87 Village Paspoli & CTS No 112 , 115,116/B of Village Tungwa , Saki Vihar Road, Powai, Mumbai

ENERGY CONSERVATION MEASURES

Description	MD (KW)	Annual Diversity	Annual Consumption (Kw-h) per annum	% savings	KWh Saved per Annum	Savings due to
Commercial area						
Interior Offices						
Lighting	971	0.8	1,864,320	20	372,864	Use of LED & CFL's instead of conventional light fixtures. Intelligent Lighting controls based on Occupancy / Daylight.
Normal power	335	0.5	100,500	10	10,050	Use of BEE rated equipments.
Computer Power	1363	0.8	2,616,960	15	392,544	Use of Energystar rated Computers / Equipments
AHU Load	647	0.7	1,322,468	20	264,494	Use of EFF-1 Motors, VFD drives for demand based controls.
HVAC Chillers	2399	0.7	3,022,740	30	906,822	Use of High Cop Chillers with VFD
HVAC Pumps	576	0.7	967,680	25	241,920	Use of EFF-1 Motors, Variable speed pumping systems
Data centre	1450	0.7	5,927,600	15	889,140	Use of EnergyStar rated equipments
Common Areas						
staircase Lighting	17	1	62,050	100	62,050	17 kw solar power Lighting to be used for stair case
Lobby lighting	108	0.7	275,940	23	63,466	Use of LED/CFL Light Fittings instead of conventional light fixtures. Intelligent Lighting contols based on Occupancy / Daylight.
Parking area Lighting	80	0.7	204,400	25	51,100	Use of T-5 Fittings (28 w) and Electronic ballasts instead of Fluoroscent Light fittings (40w) and copper ballasts.
Public/ services area Lighting	446	0.7	911,624	25	227,906	Use of T-5 Fittings (28 w) and Electronic ballasts instead of Fluoroscent Light fittings (40w) and copper ballasts.
External Lighting	33	0.9	108,405	35	37,942	Day Light based Controller and LED Fixtures.
Façade Lighting	60	0.9	59,130	10	5,913	Day Light based Controller
kitchen & other Equipment Load	344	0.5	206,400	15	30,960	BEE arted equipments
Ventilation Loads						
Basement vent.	242	0.9	1,271,952	30	381,586	Use of Co Sensors for Demand based ventilation
Toilet/ kitchen	152	0.6	266,795	10	26,679	Use of EFF-1 Motors
Pressurization fans	139	0.4	2,029	0	0	
Water Pumps	190	0.8	91,200	15	13,680	Use of BEE Certified Motors
FFTG	11	0.4	161	0	0	
Lifts	744	0.6	488,808	15	73,321	Use of Group controls and Variable speed drives.
Miscellaneous loads	80	0.4	46,720	0	0	
STP	70	0.9	183,960	0	0	
Total kwh			**20,001,842**		**4,052,437**	
% Savings					**20.26**	

Energy Saving Calculation:

Sr. No.	Description	Power requirement using Conventional method (in kW)	Energy consumed using Conventional method (in kWh) per annum	Energy consumed incorporating energy saving methods (in kWh) per annum	Energy Saving in KWH per Annum	Percentage of Energy saving (%)	Measures
1	**Lighting - (Common area)**						
1.1	Car Parking Level Lights	127.0	556190	389333	166857	**30.0**	Replacement of 40W tube light into 28W T5 lights for parking area.
1.2	Staircase Lights	32.4	118289	82802	35487	**30.0**	Replacement of 40W tube light into 28W T5 lights for staircase area.
1.3	Typical Floor Lobby Level Lights	375.3	1369918	913735	456183	**33.3**	Replacement of 18W CFL into 12W LED Lights & timer control operation to reduce amount of light at different stages for buildings.
1.4	Public area & landscape lights	7.2	26280	10512	15768	**60.0**	Public area & landscape lights requirement shall be met by replacement of 150W MH into 60W LED

	Common Area Lighting		**2070677**	**1396383**	**674294**		
2	Lifts	671.6	1470804	1176643	294161	**20.0**	Lift load considered on VFD drives & use of regenerative braking, which will result in overall 20% lift load saving.
3	Domestic & Flushing Pumps	509.0	557399	445919	111480	**20.0**	All water pump motors will be high efficiency motors with IE2 motor with soft starters and with high/low level sensors.
4	STP load	36.8	214912	171930	42982	**20.0**	All Pumps in STP will be high efficiency five star rated & with level sensors.
5	Ventilation (Basement, STP, Pump room, etc)	262.7	575357	489053	86304	**15.0**	Use of star rated fans
	Energy Generation through Solar Cells	193.0			470920	**12.8**	Roof top solar PV system with ON line centralized PV cells.
*	Energy Consumed per Annum (in kwh) by conventional methods		4889149				
*	Energy Consumed per Annum (in kwh) with energy saving methods			4150848			
*	Total Energy Saving in Percentage					**24.7**	

ECBC Compliance:

Building name		ECBC Base Case	Proposed Design	Performance Comparative	Compliance Check
Segment 1	Tower 1	1087.3	1032.10	5.08%	ECBC Compliant
	Tower 2	1383.8	1313.00	5.11%	ECBC Compliant
	Tower 3	994.0	953.40	4.08%	ECBC Compliant
	Tower 4	1035.8	1012.60	2.24%	ECBC Compliant
	Tower 5	1302.7	1236.90	5.05%	ECBC Compliant
	Tower 6	920.9	885.03	3.89%	ECBC Compliant
Segment 2	Commercial Building A	6433.3	6341.20	1.43%	ECBC Compliant
Segment 3	Commercial Building B	6433.3	6260.30	2.69%	ECBC Compliant
Segment 4	Retail	2611.9	2425.50	7.14%	ECBC Compliant
Overall		22202.8	21460.03	3.35%	ECBC Compliant

ECBC Compliance:

Sr. No.	Section No	Requirement	Compliance
1	5.2.2	Minimum Equipment efficiencies for Air conditioning	Complies , as per IS 1391
2	5.2.4	Ducting in AC spaces to have insulation of R 0.6	Complies.
3	5.2.5	All air and water systems of HVAC to be balanced and records maintained.	Complies.
4	5.2.6.1	Condenser locations	Complies.
5	6.2.2	Equipment efficiency standards	Complies.
6	7.2	Lighting controls occupancy sensors	Provided for IT & Convenience Shopping
7	7.2.1.2	Space control for lighting	Provided.
8	7.2.1.4	Exterior lighting to be controlled by photo sensor or time switch	Complies.
9	7.3	Interior lighting power to be with in specified limits	For Parking the lighting power Density shall be 2.2 W/sqm., 11.8 w/sqm. For offices For public areas like Reception & other recreation areas the lighting power Density shall be 12.9 W/sqm.
10	7.4	Exterior lighting power to be with in specified limits	Complies.
11	8.2.1.1	Maximum allowable power loss from transformer to be with in specified limits.	Complies.
12	8.2.2	Energy efficient motors	All motors in HVAC / PHE systems will have nominal full load efficiency as per IS 12615.
13	8.2.3	Power factor be maintained between 0.95 and unity	Complies

HALF YEARLY POST MONITORING ENVIRONMENTAL REPORT

OF

"Mixed Use Project"

For

April, 2022 - September, 2022

Developer

M/S. LARSEN & TOUBRO LTD,

Plot bearing CTS. Nos. 86 & 87 Village Paspoli & CTS No 112 , 115,116/B of Village Tungwa , Saki Vihar Road, Powai, Mumbai

Prepared by

ENVIRO ANALYSTS & ENGINEERS P. LTD.,

ENVIRO ANALYSTS & ENGINEERS PVT. LTD.
(NABET, NABL Accredited and MoEF & CC Approved)
CIN No-U28900MH1995PTC093129 | GST No-27AAACE6597R1ZP
B-1003,Enviro House,10th Flr, Western Edge II, W.E. Highway, Borivali (E), Mumbai-400066

Water Sample Analysis Report

Report No - EAEPL/W/06/22/00634			**Report Date –17.06.2022**
Name of Customer	**M/s. Larsen & Toubro Ltd. (Realty Division)**		**Reference –** W.O. No. 5100000304
Site Address	CTS NO. 112,115 of Village Tungwa & CTS NO. 86, 87 of Village Paspoli Mumbai, Maharashtra.		
Nature and Description of Sample	Tanker Water	**Sample Collected by**	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/W/06/22/00634 (Backside of Site)	**Sample quantity and packing**	2 L X 1 Nos. PVC Can.
		Preservation	Cool -Transported and stored at 5°C (± 1°C).
Date of Sampling	09.06.2022	**Date of Receipt**	10.06.2022
Sampling Procedure	EAEPL/LAB/SOP/02		
Period of Analysis	10.06.2022 to 17.06.2022		
Report for the month	June, 2022		

Discipline: Chemical **Group: Water**

Parameters	Unit	Results	Method
pH	-	7.35	IS 3025 (Part 11) (1983) Reaffirmed 2017
Total Dissolved Solid	mg / l	254.00	IS 3025 (Part 16) (1984) Reaffirmed 2017
Turbidity	NTU	< 1.00	IS 3025 (Part 10) (1984) Reaffirmed 2017
Alkalinity	mg / l	78.28	IS 3025 (Part 23) (1986) Reaffirmed 2019
Chlorides as Cl	mg / l	51.74	IS 3025 (Part 32) (1988) Reaffirmed 2019
Total Hardness	mg / l	180.00	IS 3025 (Part 21) (2009) Reaffirmed 2019
Calcium	mg / l	45.69	IS 3025 (Part 40) (1991) Reaffirmed 2019
Residual chlorine	mg / l	< 0.10	IS 3025 (Part 26) (1986) Reaffirmed 2019
Sulphate	mg / l	25.75	IS 3025 (Part 24) (1986) Reaffirmed 2019
Nitrate	mg / l	0.66	APHA 4500 NO_3 - B (23rd Edition)
Fluoride	mg / l	0.42	APHA 4500 F-D (23rd Edition)
Heavy Metals:			
Iron (Fe)	mg / l	0.161	IS 3025 (Part 53) (2003) Reaffirmed 2019
Copper (Cu)	mg / l	0.028	IS 3025 (Part 42) (1992) Reaffirmed 2019
Zinc (Zn)	mg / l	0.116	IS 3025 (Part 49) (1994) Reaffirmed 2019
Lead (Pb)	mg / l	0.001	IS 3025 (Part 47) (1994) Reaffirmed 2019
Chromium (Cr)	mg / l	0.023	IS 3025 (Part 52) (2003) Reaffirmed 2019

----------**End**----------

For M/s. ENVIRO ANALYSTS & ENGINEERS PVT. LTD.,

ENVIRO ANALYSTS & ENGINEERS PVT. LTD. MUMBAI 400 066

Authorized Signatory
(Netra Pawar)

Note: 1. The result mentioned above refers only to the tested sample(s) and applicable parameter(s).
2. This report is not to be reproduced except in full, without written approval of the laboratory.

Water Sample Analysis Report

Report No - EAEPL/W/06/22/00634			**Report Date –17.06.2022**
Name of Customer	**M/s. Larsen & Toubro Ltd. (Realty Division)**		**Reference –** W.O. No. 5100000304
Site Address	CTS NO. 112,115 of Village Tungwa & CTS NO. 86, 87 of Village Paspoli Mumbai, Maharashtra.		
Nature and Description of Sample	Tanker Water	**Sample Collected by**	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/W/06/22/00634 (Backside of Site)	**Sample quantity and packing**	250ml X 1 Nos. St. PP Bottle
		Preservation	Cool -Transported and stored at 5°C (± 1°C).
Date of Sampling	09.06.2022	**Date of Receipt**	10.06.2022
Sampling Procedure	EAEPL/LAB/MB/SOP/17		
Period of Analysis	10.06.2022 to 17.06.2022		
Report for the month	June, 2022		

Discipline: Biological **Group: Water**

Parameters	Unit	Results	Method
Microbiological Analysis:			
Coliforms	MPN/100ml	16	IS 1622:1981 Reaffirmed (2019)
E. coli	/100ml	Present	IS 1622:1981 Reaffirmed (2019)

----------**End**----------

For M/s. ENVIRO ANALYSTS & ENGINEERS PVT. LTD.,

Authorized Signatory
(Shweta Sonawane)

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Ambient Air Quality Monitoring Report

Report No - EAEPL/A/06/22/00633			**Report Date - 17.06.2022**
Name of Customer	**M/s. Larsen & Toubro Ltd. (Realty Division)**		**Reference –** W.O. No. 5100000304
Site Address	CTS NO. 112,115 of Village Tungwa & CTS NO. 86, 87 of Village Paspoli Mumbai, Maharashtra.		
Nature and Description of Sample	Ambient Air	**Sample Collected by**	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/A/06/22/00633 (Near Main Gate # 2)	**Sample quantity and packing**	PM_{10} = 1 * 1 No. Filter paper $PM_{2.5}$ = 1 * 1 No. Filter paper SOx = 30ml * 2 No. PVC bottle NOx = 30ml * 2 No. PVC bottle
		Sample Preservation	Filter papers – Transported and stored in desiccator. PVC bottles - Transported and stored at 5°C (±1 °C).
Date of Sampling	09.06.2022	**Date of Receipt**	10.06.2022
Sampling Procedure	EAEPL/LAB/SOP/01		
Period of Analysis	10.06.2022 to 17.06.2022		
Report for the month	June, 2022		

Discipline: Chemical **Group: Atmospheric Pollution**

Environmental Conditions		
Ambient Air Temperature (°C)	**Relative Humidity (%)**	**Duration of Monitoring**
31.00	56.00	8 Hours

RESULTS

Tests Parameter	**Results**	**NAAQS LIMITS**	**METHOD**
R.S.P.M (PM_{10}) (µg/m^3)	44.07	100 µg/m^3	IS 5182 Part 23
R.S.P.M ($PM_{2.5}$) (µg/m^3)	18.75	60 µg/m^3	EAEPL/LAB/SOP/AIR/05
SO_2 (µg/m^3)	17.24	80 µg/m^3	IS 5182 Part-2 (2001) Reaffirmed 2017
NOx (µg/m^3)	18.94	80 µg/m^3	IS 5182 Part-6 (2006) Reaffirmed 2017

Remark: All the measured values are within NAAQS limits.

----------**End**----------

For M/s. ENVIRO ANALYSTS & ENGINEERS PVT. LTD.,

Authorized Signatory
(Netra Pawar)

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ENVIRO ANALYSTS & ENGINEERS PVT. LTD.
(NABET, NABL Accredited and MoEF & CC Approved)
CIN No-U28900MH1995PTC093129 | GST No-27AAACE6597R1ZP
B-1003,Enviro House,10th Flr, Western Edge II, W.E. Highway, Borivali (E), Mumbai-400066

Ambient Noise Level Monitoring Report

Report No. - EAEPL/N/06/22/00636			**Report Date - 17.06.2022**
Name of Customer	**M/s. Larsen & Toubro Ltd. (Realty Division)**		**Reference –** W.O. No. 5100000304
Site Address	CTS NO. 112,115 of Village Tungwa & CTS NO. 86, 87 of Village Paspoli Mumbai, Maharashtra.		
Nature and Description of Sample	Noise	**Sample Collected by**	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/N/06/22/00636	**Sample quantity and packing**	Not Applicable
Date of Sampling	09.06.2022	**Date of Receipt**	Not Applicable
Sampling Procedure	EAEPL/LAB/SOP/04		
Period of Analysis	Not Applicable		
Report for the month	June, 2022		

Discipline: Chemical **Group: Atmospheric Pollution**

Monitoring Locations	Units	Results		CPCB Norms	
		Day Time	Night Time	Day	Night
Near Main Gate of Site	dB (A) Leq.	52.7	42.6	55	45
Near Centre side of Site	dB (A) Leq.	53.2	42.7	55	45
Near Backside of Site	dB (A) Leq.	53.4	41.6	55	45
Near Site Office	dB (A) Leq.	51.9	42.8	55	45

Remark: The noise level was observed to be within CPCB limit at all locations.

----------End----------

For M/s. ENVIRO ANALYSTS & ENGINEERS PVT. LTD.,

Authorized Signatory
(Netra Pawar)

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B-1003,Enviro House,10th Flr, Western Edge II, W.E. Highway, Borivali (E), Mumbai-400066

Soil Sample Analysis Report

Report No. - EAEPL/S/06/22/00635			**Report Date - 17.06.2022**
Name of Customer	**M/s. Larsen & Toubro Ltd. (Realty Division)**		**Reference –**W.O. No. 5100000304
Site Address	CTS NO. 112,115 of Village Tungwa & CTS NO. 86, 87 of Village Paspoli, Mumbai, Maharashtra.		
Nature and Description of Sample	Soil	**Sample Collected by**	EAEPL Laboratory
Sampling locations and Sample Code	Centreside of Site EAEPL/S/06/22/00635	**Sample quantity and packing**	500 gm X 1 zip lock bag
		Preservation	Transported & Stored in dry area
Date of Sampling	09.06.2022	**Date of Receipt**	10.06.2022
Sampling Procedure	EAEPL/LAB/SOP/03		
Period of Analysis	10.06.2022 to 17.06.2022		
Report for the month	June, 2022		

Discipline: Chemical **Group: Soil & Rock**

Parameters	Unit	Results	Methods
pH	-	7.39	IS 2720 (Part 26):1987, Reaffirmed:2016
Electrical Conductivity	µS/cm	453.02	IS 14767:2000, Reaffirmed:2021
Organic Matter	%	2.11	IS 2720 (Part 22) – 1972 (Reaffirmed 2020)
Available Phosphorus	mg/kg	1.56	EAEPL/LAB/SOP/SOIL/11
Total Kjeldhal Nitrogen	mg/kg	843.34	IS 14684:1999 (Reaffirmed 2019)
Soil Moisture	%	14.81	IS 2720 (Part 02):1973 (Reaffirmed 2020) Oven drying method
Water Holding Capacity	%	38.37	EAEPL/LAB/SOP/SOIL/10
Chlorides	mg/kg	78.54	APHA 4500 Cl^-B and ISRIC Soil analysis procedure, Page No:13-6
Calcium	mg/kg	2247.84	EPA 9080
Magnesium	mg/kg	94.18	EPA 9080
Sulphate	mg/kg	23.91	IS 3025 (Part 24):1986, Water Extract 1:10 Reaffirmed 2019
Sodium (Na)	mg/kg	3091.27	SW-846 Method 3050B
Potassium (K)	mg/kg	2823.52	SW-846 Method 3050B
Heavy Metals:			
Iron	mg/kg	76585.64	SW-846 Method 3050B
Copper	mg/kg	103.81	SW-846 Method 3050B
Lead	mg/kg	99.88	SW-846 Method 3050B
Zinc	mg/kg	134.01	SW-846 Method 3050B

----------End----------

For M/s. ENVIRO ANALYSTS & ENGINEERS PVT. LTD.,

ENVIRO ANALYSTS & ENGINEERS PVT. LTD. MUMBAI 400 066

Authorized Signatory
(Netra Pawar)

Note: 1. The result mentioned above refers only to the tested sample(s) and applicable parameter(s).
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Waste Water Sample Analysis Report

Report No - EAEPL/W/06/22/00637			**Report Date –17.06.2022**
Name of Customer	**M/s. Larsen & Toubro Ltd. (Realty Division)**		**Reference –**W.O. No. 5100000304
Site Address	CTS NO. 112,115 of Village Tungwa & CTS NO. 86, 87 of Village Paspoli, Mumbai, Maharashtra.		
Nature and Description of Sample	STP Water (325KLD)	**Sample Collected by**	EAEPL Laboratory
Sampling locations and Sample Code	Inlet EAEPL/W/06/22/00637	**Sample quantity and packing**	1 L X 1 No1. PVC Can.
		Preservation	Cool -Transported and stored at 5°C (± 1°C).
Date of Sampling	09.06.2022	**Date of Receipt**	10.06.2022
Sampling Procedure	EAEPL/LAB/SOP/02		
Period of Analysis	10.06.2022 to 17.06.2022		
Report for the month	June, 2022		

Discipline: Chemical **Group: Pollution & Environment**

Parameters	Unit	Results	MPCB Limits	Method
pH	-	6.83	6.5 to 9.0	IS 3025 (Part 11) (1983) Reaffirmed 2017
Total Suspended Solid	mg / l	24.00	Not more than 20	IS 3025 (Part 17) (1984) Reaffirmed 2017
Total Dissolved Solid	mg / l	354.00	NS	IS 3025 (Part 16) (1984) Reaffirmed 2017
Biological Oxygen Demand (27^0C for 3 days)	mg / l	130.43	Not more than 10	IS 3025 (Part 44) (1993) Reaffirmed 2019
Chemical Oxygen Demand	mg / l	385.66	Not more than 50	IS 3025 (Part 58) (2006) Reaffirmed 2017
Oil & Grease	mg / l	16.00	NS	IS 3025 (Part 39) (1991) Reaffirmed 2019

----------End----------

For M/s. ENVIRO ANALYSTS & ENGINEERS PVT. LTD.,

ENVIRO ANALYSTS & ENGINEERS PVT. LTD. MUMBAI 400 066

Authorized Signatory
(Netra Pawar)

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ENVIRO ANALYSTS & ENGINEERS PVT. LTD.
(NABET, NABL Accredited and MoEF & CC Approved)
CIN No-U28900MH1995PTC093129 | GST No-27AAACE6597R1ZP
B-1003,Enviro House,10th Flr, Western Edge II, W.E. Highway, Borivali (E), Mumbai-400066

Waste Water Sample Analysis Report

Report No - EAEPL/W/06/22/00638			**Report Date –17.06.2022**
Name of Customer	**M/s. Larsen & Toubro Ltd. (Realty Division)**		**Reference –**W.O. No. 5100000304
Site Address	CTS NO. 112,115 of Village Tungwa & CTS NO. 86, 87 of Village Paspoli, Mumbai, Maharashtra.		
Nature and Description of Sample	STP Water (325KLD)	**Sample Collected by**	EAEPL Laboratory
Sampling locations and Sample Code	Outlet EAEPL/W/06/22/00638	**Sample quantity and packing**	1 L X 1 No. PVC Can.
		Preservation	Cool -Transported and stored at 5°C (± 1°C).
Date of Sampling	09.06.2022	**Date of Receipt**	10.06.2022
Sampling Procedure	EAEPL/LAB/SOP/02		
Period of Analysis	10.06.2022 to 17.06.2022		
Report for the month	June, 2022		

Discipline: Chemical **Group: Pollution & Environment**

Parameters	Unit	Results	MPCB Limits	Method
pH	-	7.40	6.5 to 9.0	IS 3025 (Part 11) (1983) Reaffirmed 2017
Total Suspended Solid	mg / l	10.00	Not more than 20	IS 3025 (Part 17) (1984) Reaffirmed 2017
Total Dissolved Solid	mg / l	284.00	NS	IS 3025 (Part 16) (1984) Reaffirmed 2017
Biological Oxygen Demand (27^0C for 3 days)	mg / l	9.23	Not more than 10	IS 3025 (Part 44) (1993) Reaffirmed 2019
Chemical Oxygen Demand	mg / l	33.54	Not more than 50	IS 3025 (Part 58) (2006) Reaffirmed 2017
Oil & Grease	mg / l	7.00	NS	IS 3025 (Part 39) (1991) Reaffirmed 2019

----------End----------

For M/s. ENVIRO ANALYSTS & ENGINEERS PVT. LTD.,

ENVIRO ANALYSTS & ENGINEERS PVT. LTD. MUMBAI 400 066

Authorized Signatory
(Netra Pawar)

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Stack Emission Analysis Report

Report No. - EAEPL/SE/06/22/00639			**Report Date –17.06.2022**
Name of Customer	**M/s. Larsen & Toubro Ltd. (Realty Division)**		**Reference** –W.O. No. 5100000304
Site Address	CTS NO. 112,115 of Village Tungwa & CTS NO. 86, 87 of Village Paspoli Mumbai, Maharashtra.		
Nature and Description of Sample	Stack	**Sample Collected by**	EAEPL Laboratory.
Sampling locations and Sample Code	DG Set (1250 KVA) EAEPL/SE/06/22/00639	**Sample quantity and packing**	30 ml X 1 Nos. PVC bottle. TPM = 1 X 1 No. Thimble
		Preservation	Cool -Transported and stored at 5 °C (± 1°C)
Date of Sampling	09.06.2022	**Date of Receipt**	10.06.2022
Sampling Procedure	Indian Standard Method for measurement of emissions from stationary sources, 11255 (Part-1 & 2)		
Period of Analysis	10.06.2022 to 17.06.2022		
Report for the month	June, 2022		

Discipline: Chemical **Group: Atmospheric Pollution**

Sr. No.	Particulars	Stack Details	Limits
1	Stack attached to	DG Set	-
2	Type of Fuel	Diesel	-
3	Temp. of Flue Gas	126°C	-
4	Flue Gas Velocity	18.38 m/sec	-
5	Total Particulate Matter (TPM)	6.42 mg/Nm^3	150 mg/Nm^3
6	Sulphur Dioxide (SO_2)	1.80 kg/day	5.0 kg/day

----------End----------

For M/s. ENVIRO ANALYSTS & ENGINEERS PVT. LTD.,

Authorized Signatory
(Netra Pawar)

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Stack Emission Analysis Report

Report No. - EAEPL/SE/06/22/00640			**Report Date –17.06.2022**
Name of Customer	**M/s. Larsen & Toubro Ltd. (Realty Division)**		**Reference** –W.O. No. 5100000304
Site Address	CTS NO. 112,115 of Village Tungwa & CTS NO. 86, 87 of Village Paspoli Mumbai, Maharashtra.		
Nature and Description of Sample	Stack	**Sample Collected by**	EAEPL Laboratory.
Sampling locations and Sample Code	DG Set (1500 KVA) **EAEPL/SE/06/22/00640**	**Sample quantity and packing**	30 ml X 1 Nos. PVC bottle. TPM = 1 X 1 No. Thimble
		Preservation	Cool -Transported and stored at 5 °C (± 1°C)
Date of Sampling	09.06.2022	**Date of Receipt**	10.06.2022
Sampling Procedure	Indian Standard Method for measurement of emissions from stationary sources, 11255 (Part-1 & 2)		
Period of Analysis	10.06.2022 to 17.06.2022		
Report for the month	June, 2022		

Discipline: Chemical **Group: Atmospheric Pollution**

Sr. No.	Particulars	Stack Details	Limits
1	Stack attached to	DG Set	-
3	Type of Fuel	Diesel	-
4	Temp. of Flue Gas	125°C	-
5	Flue Gas Velocity	17.92 m/sec	-
6	Total Particulate Matter (TPM)	7.40 mg/Nm^3	150 mg/Nm^3
7	Sulphur Dioxide (SO_2)	1.90 kg/day	5.0 kg/day

----------End----------

For M/s. ENVIRO ANALYSTS & ENGINEERS PVT. LTD.,

ENVIRO ANALYSTS & ENGINEERS PVT. LTD. MUMBAI 400 066

Authorized Signatory
(Netra Pawar)

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ENVIRO ANALYSTS & ENGINEERS PVT. LTD.
(NABET, NABL Accredited and MoEF & CC Approved)
CIN No-U28900MH1995PTC093129 | GST No-27AAACE6597R1ZP
B-1003,Enviro House,10th Flr, Western Edge II, W.E. Highway, Borivali (E), Mumbai-400066

Water Sample Analysis Report

Report No - EAEPL/W/08/22/00932			**Report Date –09.08.2022**
Name of Customer	**M/s. Larsen & Toubro Ltd. (Realty Division)**		**Reference –** W.O. No. 5100000304
Site Address	CTS NO. 112,115 of Village Tungwa & CTS NO. 86, 87 of Village Paspoli Mumbai, Maharashtra.		
Nature and Description of Sample	Tanker Water	**Sample Collected by**	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/W/08/22/00932 (Backside of Site)	**Sample quantity and packing**	2 L X 1 Nos. PVC Can.
		Preservation	Cool -Transported and stored at 5°C (± 1°C).
Date of Sampling	01.08.2022	**Date of Receipt**	02.08.2022
Sampling Procedure	EAEPL/LAB/SOP/02		
Period of Analysis	02.08.2022 to 09.08.2022		
Report for the month	August, 2022		

Discipline: Chemical **Group: Water**

Parameters	Unit	Results	Method
pH	-	7.48	IS 3025 (Part 11) 2022
Total Dissolved Solid	mg / l	268.00	IS 3025 (Part 16) (1984) Reaffirmed 2017
Turbidity	NTU	< 1.00	IS 3025 (Part 10) (1984) Reaffirmed 2017
Alkalinity	mg / l	81.60	IS 3025 (Part 23) (1986) Reaffirmed 2019
Chlorides as Cl	mg / l	52.45	IS 3025 (Part 32) (1988) Reaffirmed 2019
Total Hardness	mg / l	181.10	IS 3025 (Part 21) (2009) Reaffirmed 2019
Calcium	mg / l	46.09	IS 3025 (Part 40) (1991) Reaffirmed 2019
Residual chlorine	mg / l	ND	IS 3025 (Part 26) 2021
Sulphate	mg / l	26.04	IS 3025 (Part 24) Sec1:2022
Nitrate	mg / l	0.70	APHA 4500 NO_3 - B (23rd Edition)
Fluoride	mg / l	0.42	APHA 4500 F-D (23rd Edition)
Heavy Metals:			
Iron (Fe)	mg / l	0.162	IS 3025 (Part 53) (2003) Reaffirmed 2019
Copper (Cu)	mg / l	0.031	IS 3025 (Part 42) (1992) Reaffirmed 2019
Zinc (Zn)	mg / l	0.119	IS 3025 (Part 49) (1994) Reaffirmed 2019
Lead (Pb)	mg / l	0.001	IS 3025 (Part 47) (1994) Reaffirmed 2019
Chromium (Cr)	mg / l	0.026	IS 3025 (Part 52) (2003) Reaffirmed 2019

----------End----------

For M/s. ENVIRO ANALYSTS & ENGINEERS PVT. LTD.,

ENVIRO ANALYSTS & ENGINEERS PVT. LTD. MUMBAI 400 066

Authorized Signatory
(Shilpa Dharamdikar)

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Water Sample Analysis Report

Report No - EAEPL/W/08/22/00932			**Report Date –09.08.2022**
Name of Customer	**M/s. Larsen & Toubro Ltd. (Realty Division)**		**Reference –** W.O. No. 5100000304
Site Address	CTS NO. 112,115 of Village Tungwa & CTS NO. 86, 87 of Village Paspoli Mumbai, Maharashtra.		
Nature and Description of Sample	Tanker Water	**Sample Collected by**	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/W/08/22/00932 (Backside of Site)	**Sample quantity and packing**	250ml X 1 No St. PP Bottle
		Preservation	Cool -Transported and stored at 5°C (± 1°C).
Date of Sampling	01.08.2022	**Date of Receipt**	02.08.2022
Sampling Procedure	EAEPL/LAB/MB/SOP/17		
Period of Analysis	02.08.2022 to 09.08.2022		
Report for the month	August, 2022		

Discipline: Biological **Group: Water**

Parameters	Unit	Results	Method
Microbiological Analysis:			
Coliforms	MPN/100ml	< 2	IS 1622:1981 Reaffirmed (2019)
E. coli	/100ml	Absent	IS 1622:1981 Reaffirmed (2019)

----------**End**----------

For M/s. ENVIRO ANALYSTS & ENGINEERS PVT. LTD.,

Authorized Signatory
(Shweta Sonawane)

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Ambient Air Quality Monitoring Report

Report No - EAEPL/A/08/22/00931			**Report Date - 09.08.2022**
Name of Customer	**M/s. Larsen & Toubro Ltd. (Realty Division)**		**Reference –** W.O. No. 5100000304
Site Address	CTS NO. 112,115 of Village Tungwa & CTS NO. 86, 87 of Village Paspoli Mumbai, Maharashtra.		
Nature and Description of Sample	Ambient Air	**Sample Collected by**	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/A/08/22/00931 (Near Main Gate # 2)	**Sample quantity and packing**	PM_{10} = 1 * 1 No. Filter paper $PM_{2.5}$ = 1 * 1 No. Filter paper SOx = 30ml * 2 No. PVC bottle NOx = 30ml * 2 No. PVC bottle
		Sample Preservation	Filter papers – Transported and stored in desiccator. PVC bottles - Transported and stored at 5°C (±1 °C).
Date of Sampling	01.08.2022	**Date of Receipt**	02.08.2022
Sampling Procedure	EAEPL/LAB/SOP/01		
Period of Analysis	02.08.2022 to 09.08.2022		
Report for the month	August, 2022		

Discipline: Chemical **Group: Atmospheric Pollution**

Environmental Conditions		
Ambient Air Temperature (°C)	**Relative Humidity (%)**	**Duration of Monitoring**
28.00	68.00	8 Hours

RESULTS

Tests Parameter	**Results**	**NAAQS LIMITS**	**METHOD**
R.S.P.M (PM_{10}) (µg/m^3)	44.79	100 µg/m^3	IS 5182 (Part 23) 2006 Reaffirmed 2017
R.S.P.M ($PM_{2.5}$) (µg/m^3)	18.75	60 µg/m^3	IS 5182 (Part 24) 2019
SO_2 (µg/m^3)	18.11	80 µg/m^3	IS 5182 Part-2 (2001) Reaffirmed 2017
NOx (µg/m^3)	21.08	80 µg/m^3	IS 5182 Part-6 (2006) Reaffirmed 2017

Remark: All the measured values are within NAAQS limits.

----------**End**----------

For M/s. ENVIRO ANALYSTS & ENGINEERS PVT. LTD.,

ENVIRO ANALYSTS & ENGINEERS PVT. LTD. MUMBAI 400 066

Authorized Signatory
(Shilpa Dhanawkar)

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Ambient Noise Level Monitoring Report

Report No. - EAEPL/N/03/22/00934			**Report Date - 09.08.2022**
Name of Customer	**M/s. Larsen & Toubro Ltd. (Realty Division)**		**Reference –** W.O. No. 5100000304
Site Address	CTS NO. 112,115 of Village Tungwa & CTS NO. 86, 87 of Village Paspoli Mumbai, Maharashtra.		
Nature and Description of Sample	Noise	**Sample Collected by**	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/N/03/22/00934	**Sample quantity and packing**	Not Applicable
Date of Sampling	01.08.2022	**Date of Receipt**	Not Applicable
Sampling Procedure	EAEPL/LAB/SOP/04		
Period of Analysis	Not Applicable		
Report for the month	August, 2022		

Discipline: Chemical **Group: Atmospheric Pollution**

Monitoring Locations	Units	Results		CPCB Norms	
		Day Time	Night Time	Day	Night
Near Main Gate of Site	dB (A) Leq.	**59.3**	43.6	55	45
Near Centre side of Site	dB (A) Leq.	**55.1**	41.7	55	45
Near Backside of Site	dB (A) Leq.	**56.4**	**45.4**	55	45
Near Site Office	dB (A) Leq.	53.5	43.0	55	45

Remark: The noise level was observed to be higher CPCB limit at all locations except at near site office.

----------End----------

For M/s. ENVIRO ANALYSTS & ENGINEERS PVT. LTD.,

ENVIRO ANALYSTS & ENGINEERS PVT. LTD. MUMBAI 400 066

Authorized Signatory
(Shilpa Dhamankar)

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Soil Sample Analysis Report

Report No. - EAEPL/S/08/22/00933			**Report Date - 09.08.2022**
Name of Customer	**M/s. Larsen & Toubro Ltd. (Realty Division)**		**Reference –**W.O. No. 5100000304
Site Address	CTS NO. 112,115 of Village Tungwa & CTS NO. 86, 87 of Village Paspoli, Mumbai, Maharashtra.		
Nature and Description of Sample	Soil	**Sample Collected by**	EAEPL Laboratory
Sampling locations and Sample Code	Centreside of Site EAEPL/S/08/22/00933	**Sample quantity and packing**	500 gm X 1 zip lock bag
		Preservation	Transported & stored in dry area
Date of Sampling	01.08.2022	**Date of Receipt**	02.08.2022
Sampling Procedure	EAEPL/LAB/SOP/03		
Period of Analysis	02.08.2022 to 09.08.2022		
Report for the month	August, 2022		

Discipline: Chemical **Group: Soil & Rock**

Parameters	Unit	Results	Methods
pH	-	7.48	IS 2720 (Part 26):1987, Reaffirmed:2021
Electrical Conductivity	µS/cm	458.73	IS 14767:2000, Reaffirmed:2021
Organic Matter	%	2.61	IS 2720 (Part 22) – 1972 (Reaffirmed 2020)
Available Phosphorus	mg/kg	1.65	EAEPL/LAB/SOP/SOIL/11
Total Kjeldhal Nitrogen	mg/kg	849.71	IS 14684:1999 (Reaffirmed 2019)
Soil Moisture	%	16.70	IS 2720 (Part 02):1973 (Reaffirmed 2020) Oven drying method
Water Holding Capacity	%	39.42	EAEPL/LAB/SOP/SOIL/10
Chlorides	mg/kg	115.54	EAEPL/LAB/SOP/SOIL/03
Calcium	mg/kg	2408.31	EPA 9080
Magnesium	mg/kg	95.94	EPA 9080
Sulphate	mg/kg	25.85	IS 2720 (Part 27):1977 (Reaffirmed 2020)
Sodium (Na)	mg/kg	2930.90	EPA 3050B
Potassium (K)	mg/kg	2734.71	EPA 3050B
Heavy Metals:			
Iron	mg/kg	75114.35	EPA 3050B
Copper	mg/kg	104.21	EPA 3050B
Lead	mg/kg	99.62	EPA 3050B
Zinc	mg/kg	125.30	EPA 3050B

----------End----------

For M/s. ENVIRO ANALYSTS & ENGINEERS PVT. LTD.,

ENVIRO ANALYSTS & ENGINEERS PVT. LTD. MUMBAI 400 066

Authorized Signatory
(Shilpa Dhanawkar)

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ENVIRONMENT CLEARANCE

Speed Post/Online

F. No. 21-80/2016-IA-III
Government of India
Ministry of Environment, Forest and Climate Change
(IA.III Section)

Indira Paryavaran Bhawan,
Jor Bagh Road, New Delhi - 3

Date: 30th August, 2017

To,

M/s Larsen Toubro Ltd
L&T House, Ballard Estate P.O.Box:278,
Mumbai-400001,
Email: Uma.erath@larsentoubro.com

Subject: Expansion of L&T (West) Mixed Use Project at Plot bearing CTS. Nos.86&87 Village Paspoli & CTS No 112 , 115,116/B of Village Tungwa , Saki Vihar Road, Powai, Mumbai by M/s Larsen Toubro Ltd – Environmental Clearance - reg.

Sir,

This has reference to your online proposal No. **IA/MH/NCP/64603/2016** dated 10th May, 2017 submitted to this Ministry for grant of Environmental Clearance (EC) in terms of the provisions of the Environment Impact Assessment (EIA) Notification, 2006 under the Environment (Protection) Act, 1986.

2. The proposal for grant of environmental clearance to the project '**Expansion of L&T (West) Mixed Use Project at Plot bearing CTS. Nos. 86. 87 Village Paspoli & CTS No 112, 115,116/B of Village Tungwa, Saki Vihar Road, Powai, Mumbai by M/s Larsen Toubro Ltd**' was considered by the Expert Appraisal Committee (Infra-2) in its meeting held on 27th to 29th June, 2017. The details of the project, as per the documents submitted by the project proponent, and also as informed during the above meeting, are under:-

(i) The proposal is for development of a mixed project of Residential, Retail, and IT Towers & school developed by M/s. Larsen & Toubro Ltd at plot bearing CTS. Nos. 86. 87 Village Paspoli & CTS No 112, 115, 116/B of Village Tungwa, Saki Vihar Road, Powai, Mumbai.

(ii) The project was granted Environmental Clearance from SEIAA, Maharashtra vide their letter No. SEAC-2014/CR-151/C-I dated 28.01.2016 for total construction area of 1,49,618.70 sqm. No construction is been started on site. Only site clearance work has been started as per previous EC dated 28.01.2016. The total plot area is 2,36,919.00 sqm and total built-up area is 5,79,125.45 sqm. Total Nos. of Buildings will be 11. Maximum height of the buildings will be 102.4 m. The details are as follows:

Particulars (sqm)	**Details of previous EC dated 28th January, 2016 (sqm)**	**Details after proposed expansion (sqm)**	**Remarks**
Total Plot Area	2,34,831.00	2,36,919.00	Updation of PR card records for addition of plot area of 2088

			sqm
Net Plot Area	2,18,463.77	2,05,752.2	After deductions of setback & AOS.
Plot area taken for development as per I to R approval	--	53,436.96	Plot converted from: 53,436.96 sqm as per I to R
FSI Area (Existing Industry)	- -	--	FSI for Existing Industry: 84,977.97 sqm
FSI Area (Proposed Expansion)	93,381.64	2,98,425.58	FSI as per previous EC: 93,381.64 sqm FSI for Expansion : 2,05,043.94 sqm
Non FSI Area	56,237.06	2,80,699.89	Area as per previous EC : 56,237.06 sqm Area for Expansion : 2,24,462.83 sqm
Total Construction Area (CA)- sqm	**1,49,618.70**	**5,79,125.45**	**CA as per previous EC : 1,49,618.70 sqm** **CA for Expansion: 4,29,506.75 sqm.**

(iii) During construction phase, total water demand of the proposed expansion is expected to be 1174 KLD approximately and the water requirement will be met by the MCGM/Recycled Water.

(iv) Waste water generation will be 1081 KLD. Sewage shall be treated in 6 STP's of capacity 1134 KLD. Recycled water is of 1077 KLD, used for flushing & gardening within the plot and outside the plot.

(v) The domestic solid waste will be generated by the occupants of the residents, visitors and people coming to community area will pertain to the two categories, Biodegradable waste of 2218 Kg/day will be treated in OWC and the manure will be used for landscaping at site and as replacement for saw dust in OWC. Non-biodegradable waste of 3309 Kg/Day will be handed over to authorized recyclers.

(vi) The total electrical load demand has been estimated to be 14633 KW for the proposed project. The source of power supply will be from MSEB

(vii) Parking facility for IT and Convenience Shopping 1468 ECS and for residential 1031 ECS proposed to be provided respectively (according to MoEFCC and local norms).

(viii) Area earmarked for greenbelt is 14320.05 sqm

(ix) There is no court case pending against the project.

(x) ToR Details: Standard TOR granted vide letter No. 21-80/2016-IA. III dated 2nd Feb 2017 by MoEF&CC.

(xi) Cost of the project is Rs. 1682 Crores.

(xii) Employment potential: During construction phase 773 workers.

(xiii) The Benefit of the Project: Municipal Drainage system is well developed along the Saki Vihar Road. Storm water drains are designed considering the elevation profile. Due to the availability of infrastructure facilities near the project site people are willing to buy homes in powai area and nearby. Also there is immense job opportunities in Andheri and Kanjurmarg areas due to small scale industries and educational institutions in Powai area and IT offices nearby the site. Considering the socioeconomic condition of the people nearby the project, there shall be generation of employment opportunities during construction stage and also at operational phase development.

3. The EAC, in its meeting held on 27th to 29th June, 2017, after detailed deliberations on the proposal, has recommended for grant of Environmental Clearance to the project. As per recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance to the project '**Expansion of L&T (West) Mixed Use Project at Plot bearing CTS. Nos. 86. 87 Village Paspoli & CTS No 112 , 115,116/B of Village Tungwa , Saki Vihar Road, Powai, Mumbai by M/s Larsen Toubro Ltd,**' under the provisions of the EIA Notification, 2006 and amendments/circulars issued thereon, and subject to the specific and general conditions as under:-

PART A – SPECIFIC CONDITIONS:

I. Construction Phase

(i) The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.

(ii) The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.

(iii) Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3 meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murram and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site. Sand, murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution. Wet jet shall be provided for grinding and stone cutting. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.

(iv) All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016. All workers working at the construction site and involved in loading, unloading, carriage

of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.

(v) All industries within the lands owned by the project proponents shall be made inoperative and not influence in any negative way the life or property of the residents/occupants of the proposed project.

(vi) At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.

(vii) Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC. Outdoor and common area lighting shall be LED. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.

(viii) Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.

(ix) Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.

(x) Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.

(xi) Sewage shall be treated in the STP based on MBR Technology (with tertiary treatment i.e. Ultra Filtration). The treated effluent from STP shall be recycled/re-used for flushing, horticulture & DG cooling. Excess treated effluent shall be discharged in to Municipal sewer line as per CPCB norms.

(xii) The local bye-law provisions on rain water harvesting should be followed. If local bye-law provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. As proposed, Rainwater of buildings will be collected and 16 No. of recharge pits shall be provided for storm water recharging to ground after filtration as per CGWB guidelines.

(xiii) Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials. Wet garbage shall be composted in Organic Waste Converter. As proposed, 334 sqm space shall be provided for Organic Waste Converter for solid waste management within the premises. The inert waste from group housing project will be sent to dumping site.

(xiv) Solar based electric power shall be provided to each unit for at least two bulbs/light and one fan. As proposed, central lighting and street lighting shall also be based on solar power.

(xv) A First Aid Room shall be provided in the project both during construction and operations of the project.

(xvi) Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.

(xvii) Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.

(xviii) The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.

(xix) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.

(xx) As proposed, no ground water shall be used during construction/ operation phase of the project.

(xxi) Approval of the CGWA require before any dewatering for basements.

(xxii) The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc as per National Building Code including protection measures from lightening etc.

(xxiii) Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.

(xxiv) Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.

(xxv) Ambient noise levels shall conform to residential standards both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.

(xxvi) Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.

(xxvii) A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.

- Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
- Traffic calming measures

- Proper design of entry and exit points.
- Parking norms as per local regulation

II. Operational Phase

(i) The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.

(ii) For indoor air quality the ventilation provisions as per National Building Code of India.

(iii) Fresh water requirement from Municipal Corporation of Greater Mumbai (MCGM) water supply shall not exceed 878 m^3/day.

(iv) The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.

(v) The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.

(vi) The project proponents would commission a third party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing (specially the bacterial counts), comparative bacteriological studies from toilet seats using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spray faucets attached to toilet seats. This study would be undertaken for all projects for which an E.C. has been granted earlier to Larsen and Toubro and which are currently operational. The report should be submitted within 03 months to the MoEF&CC and put on the public domain also on the website of the Company.

(vii) No sewage or untreated effluent water would be discharged through storm water drains.

(viii) Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

(ix) The provisions of the Solid Waste Management Rules, 2016, e-Waste (Management) Rules, 2016, the Construction and Demolition Waste Management Rules, 2016 and the Plastics Waste Management Rules, 2016 shall be followed.

(x) Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heaters shall be used to meet hot water demand, as far as possible.

(xi) Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning. Used CFLs, TFL and LED shall be properly collected and disposed off/sent for recycling as per the

prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.

(xii) A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. Preference should be given to planting native species. Where the trees need to be cut, compensatory plantation in the ratio of 1:3 (i.e. planting of 3 trees for every 1 tree that is cut) shall be done and maintained. As proposed 14320.05 sqm area shall be provided for green belt development.

(xiii) An assessment of the cumulative impact of all development and increased inhabitation being carried out or proposed to be carried out by the project or other agencies in the core area, shall be made for traffic densities and parking capabilities in a 05 kms. radius from the site. A detailed traffic management and a traffic decongestion plan drawn up through an organization of repute and specializing in Transport Planning shall be implemented to the satisfaction of the State Urban Development and Transport Department. This shall also include the consent of all the concerned implementing agencies.

(xiv) An environmental management plan (EMP) shall be prepared and implemented to ensure compliance with the environmental conditions specified above. A dedicated Environment Monitoring Cell with defined functions and responsibility shall be put in place to implement the EMP. The environmental cell shall ensure that the environment infrastructure like Sewage Treatment Plant, Landscaping, Rain Water Harvesting, Energy efficiency and conservation, water efficiency and conservation, solid waste management, renewable energy etc. are kept operational and meet the required standards. The environmental cell shall also keep the record of environment monitoring and those related to the environment infrastructure.

(xv) The company shall draw up and implement a corporate social Responsibility plan as per the Company's Act of 2013.

PART B - GENERAL CONDITIONS

(i) A copy of the environmental clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industries centre and Collector's Office/ Tehsildar's office for 30 days.

(ii) The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to this Ministry and its concerned Regional Office.

(iii) Officials from the Regional Office of MoEF&CC, Nagpur who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF&CC shall be forwarded to the APCCF, Regional Office of MoEF&CC, Nagpur.

(iv) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.

(v) The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection)

Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.

(vi) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, the Forest Conservation Act, 1980 and the Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.

(vii) These stipulations would be enforced among others under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and the EIA Notification, 2006.

(viii) The project proponent shall advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen on the website of the Ministry of Environment, Forest and Climate Change at http://www.envfor.nic.in. The advertisement shall be made within Seven days from the date of receipt of the Clearance letter and a copy of the same shall be forwarded to the Regional Office of this Ministry at Nagpur.

(ix) Any appeal against this clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

(x) A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.

(xi) The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO_2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

(xii) The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.

4. This issues with the approval of the Competent Authority.

(Kushal Vashist)
Director

Copy to:

1) The Secretary, Department of Environment, Govt. of Maharashtra, Mantralaya,

Mumbai.

2) The Additional Principal Chief Conservator of Forests, Regional Office (WCZ), Ministry of Environment, Forest and Climate Change, Nagpur.
3) The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
4) The Chairman, Maharashtra Pollution Control Board, Kalpatru Point, Sion Circle, Sion (East), Mumbai-400 022, Maharashtra.
5) Monitoring Cell, MoEF&CC, Indira Paryavaran Bhavan, New Delhi.
6) Guard File/ Record File/ Notice Board.
7) MoEF&CC Website.

(Kushal Vashist)
Director

CONSENT

TO

ESTABLISH

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/ 24010437
Fax: 24023516
Website: http://mpcb.gov.in
E-mail: cac-cell@mpcb.gov.in

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

Consent order No: - Format1.0/BO/CAC-Cell/EIC-MU-6944-15/CE/CAC- 7790
Date- 14/06/2016

To
M/s. Larsen & Toubro Ltd.,
CTS No. 112, 115 of Vill- Tungwa & CTS No. 86, 87 of vill - Paspoli,
Sakivihar Road, Pawai, Tal. Kurla, Mumbai

Subject: Consent to Establish for Construction of IT Building Project under Orange category.

Ref: Your Application approved in 13th CAC meeting of 2015-2016 held on 25.01.2016

Your application CE1511000067
Dated: 28.09.2015
For: Consent to Establish for Construction of IT Building Project
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 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:

1. **The consent to establish is granted for a period up to commissioning of the project OR 5 years whichever is earlier.**

2. **The proposed capital investment of the project is Rs. 580 Crs (As per undertaking submitted by project proponent)**

3. **The Consent to Establish is valid for Construction of IT Building Project of M/s. Larsen & Toubro Ltd. at CTS No. 112, 115 of vill- Tungwa & CTS No. 86, 87 of vill - Paspoli, Sakivihar Road, Pawai, Mumbai on Plot area of 2,34,831 sq.m. and total Construction BUA of 1,49,821 sq.m., including utilities and services as per construction commencement certificate issued by local body.**

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	Nil	NA	N.A.
2.	Domestic effluent	474	As per Schedule –I	The treated effluent shall be 60% (i.e. 284.4 CMD) recycled for secondary purposes such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall be connected to the sewerage system provided by local body.

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 set (2 Nos. x1000 KVA)	2	As Per Schedule -II
2	DG set (2 Nos. x 2500 KVA)	2	As Per Schedule -II
3	DG set (2 Nos. x 2500 KVA)	2	As Per Schedule -II
4	DG set (2 Nos. x 1500 KVA)	2	As Per Schedule -II

6. Conditions under Municipal Solid Waste (Management and Handling) Rule,2000 :

Sr. No.	Type Of Waste	Quantity	Treatment	Disposal
1	Wet Garbage	2295 kg/day	Organic Waste Convertor	use as manure
2	Dry Garbage	983 kg/day	-	Hand over to local body or sale for recycle
3	STP sludge	18 Kg.day	-	use as manure

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

Sr. No.	Type Of Waste	Quantity	UOM	Treatment	Disposal
1	--	--	--	--	--

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. PP shall submit the affidavit within 15 days in the prescribed format regarding the compliance of conditions of Environmental Clearance and Consent to Establish.
11. The applicant should not take any effective steps for implementation of the project before obtaining Environmental Clearance as per EIA Notification 2006 and amendments thereto. As per Para 2 of EIA notification dated-14/09/2006, the effective steps include starting of any construction work or preparation of land by the project management. However as clarified by the MoEF vide office memorandum no. J-1103/41/2006-IA.II(I); Dated-19/8/2010, fencing of the site to protect it from getting encroached & construction of temporary shed(s) for the guard(s) & acquisition of land shall not be treated as an effective steps.
12. Consent to establish is being issued without prejudice to the orders passed/ being passed by the Hon'ble High Court.
13. MCGM shall comply with the order passed and being passed in PIL No. 217 of 2019 by the Hon'ble High Court, Mumbai.

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	11,60,100/-	041097	21.08.2015	HDFC Bank

Copy to:

1. Regional Officer, Mumbai and Sub-Regional Officer MPCB, Mumbai-II
   -- 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.

Copy forwarded with compliment to:

The Assistant Municipal Commissioner, MCGM, S-ward, Mumbai

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

1) A] As per your application, you have proposed to install Sewage Treatment Plants (STPs) with the design capacity of 500 CMD based on Fluidized Aerobic Bio Reactor (FBAR) technology.

B] The Applicant shall operate the effluent treatment plant (STP) to treat the sewage 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
		Limiting Concentration in mg/l, except for pH
01	BOD (3 days 27oC)	10
02	Suspended Solids	10
03	COD	50
04	Residual Chlorine	1ppm

C] **The treated effluent shall be 60% (i.e. 284.4 CMD) recycled for secondary purposes such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall be connected to the sewerage system provided by local body. In no case, effluent shall find its way to any water body directly/indirectly at any time. The firm shall affix the separate meter for ensurance of 60% recycling of treated sewage and keep the records of the same. PP shall achieve the treated domestic effluent standard for the parameter BOD- 10 mg/lit. and shall install online monitoring system.**

2) 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.
3) 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.
4) In case, the water consumption of the project is not covered under the water consumption of local body, in that situation, the project proponent shall submit the CESS Returns in the prescribed format given under the provision of Water (Prevention & Control of Pollution) Cess Act, 1977 and Rules made there under for various category of water consumption.

In case the water consumption is duly assessed under the quantity of water consumption of local body, the project proponent shall submit certificate to that effect from the concern local body with the request not to assess CESS on their water consumption, being already assessed on the water consumption of local body.

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	0.00
2.	Domestic purpose	Fresh water: 234 CMD
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	0.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00

Schedule-II

Terms & conditions for compliance of Air Pollution Control:

1. **As per your application, you have proposed to install the Air pollution control (APC)system and also proposed to erect 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%
1	DG set (2 Nos. x1000 KVA)	Acoustic enclosure	6.3* each	HSD	3000 lit/Hr	Lit/Hr	1
2	DG set (2 Nos. x 2500 KVA)	Acoustic enclosure	10*	HSD		Lit/Hr	1
3	DG set (2 Nos. x 2500 KVA)	Acoustic enclosure	10*	HSD		Lit/Hr	1
	DG set (2 Nos. x 1500 KVA)	Acoustic enclosure	7.7*	HSD		Lit/Hr	1

*** Above roof of the building in which it is installed.**

2. 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.

3. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement alteration well before its life come to an end or erection of new pollution control equipment.

4. 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

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period**	Purpose of BG	Compliance Period	Validity++
1	Consent to Establish (C to E)	Rs. 10 lakh	15 days from date of issue of consent	Toward compliance of EIA Notification, 2006 / EC and Consent to Establish condition.	COU or 5 years whichever is earlier	Validity of this consent + 4 months

** The above Bank Guarantee(s) shall be submitted by the applicant in favour of Regional Officer at the respective Regional Office within 15 days of the date of issue of Consent.

++ The Bank Guarantee(s) shall be valid for a period upto: Validity of consent + 4 months

Schedule-IV

Conditions during construction phase:

a	During construction phase, applicant shall provide temporary sewage disposal and MSW facility for staff and worker quarters.
b	During construction phase, the ambient air and noise quality should be closely monitored to achieve Ambient Air Quality Standards and Noise by the project proponent through MoEF approved laboratory.
c	Noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.

General Conditions:

1) The applicant shall provide facility for collection of samples of 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) The firm shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act,1981 and Environmental Protection Act 1986 and Municipal Solid Waste (Management & Handling) Rule 2000, Noise (Pollution and Control) Rules, 2000 and E-Waste (Management & Handling Rule 2011.
3) Drainage system shall be provided for collection of sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No sewage shall be admitted in the pipes/sewers downstream of the terminal manholes. No sewage shall find its way other than in designed and provided collection system.
4) Vehicles hired for bringing construction material to the site should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
5) 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) Applicant 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) Applicant should make efforts to bring down noise level due to DG set, outside their premises, within ambient noise requirements by proper sitting 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.
6) Solid Waste – The applicant shall provide onsite municipal solid waste processing system & shall comply with Municipal Solid Waste (Management & Handling) Rule 2000 & E-Waste (M & H) Rule 2011.
7) Affidavit undertaking in respect of no change in the status of consent conditions and compliance of the consent conditions the draft can be downloaded from the official web site of the MPCB.
8) Applicant shall submit official e-mail address and any change will be duly informed to the MPCB.
9) The treated sewage shall be disinfected using suitable disinfection method.
10) The firm shall submit to this office, the 30th day of September every year, the environment statement report for the financial year ending 31st march in the prescribed Form-V as per the provision of rule 14 of the Environmental (Protection) Second Amended rule 1992.
11) **The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before commissioning of the project.**

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

Application for Consent/ Authorisation

Sir,
I/We hereby apply for*

1. Consent to Establish/Operate/Renewal of consent under section 25 and 26 of the Water (Prevention & Control of Pollution) Act, 1974 as amended.

2. Consent to Establish/Operate/Renewal of consent under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981, as amended.

3. Authorization/renewal of authorization under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 in connection with my/our/existing/proposed/altered/ additional manufacturing/processing activity from the premises as per the details given below.

Consent Information

UAN No:
MPCB-CONSENT-0000124710

Application submitted on:
29-10-2021

Industry Information

Consent To:
Establish (New)

IIN No.:

Submit to:
SRO - Mumbai II

Type of institution:
Industry

Industry Type:
O21 Building and construction project more than 20,000 sq. m built up area

Category:
Orange

Scale:
L.S.I

Location of industry/activity/etc:

EC Reqd.
No

Whether construction-buildup area is more than 20,000 sq.mtr.(Existing Expansion Unit)
Yes

General Information

1. Name, designation, office address with Telephone/Fax numbers, e-mail of the Applicant Occupier/Industry/Institution / Local Body.

Name
Mr. Shailendra Roy

Address
CTS No. 112, 115 of Village Tungwa & CTS No. 86, 87 of Village Paspol, Sakivihar Road, Powai, Tal. Kurla

Designation
Director

Taluka
Kurla

Area
Powai

District
Mumbai Suburban

Telephone

Fax

9821351114

Email
Rajesh.Pereira@larsentoubro.com

Pan Number
AAACL0140P

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2. (a) Name and location of the industrial unit/premises for which the application is made (Give revenue Survey Number/Plot number name of Taluka and District, also telephone and fax number)

Industry name
M/s. Larsen & Toubro Ltd.,

Location of Unit
C.T.S. No. 112,115 of Village Tungwa & C.T.S. No. 86 & 87 of Village Paspoli, Saki Vihar Road, Powai, Taluka-Kurla, Mumbai.

Survey number/Plot Number
C.T.S. No. 112,115 of Village Tungwa & C.T.S. No. 86 & 87

Taluka

District
Mumbai city

(b) Details of the planning permission obtained from the local body/Town and Country Planning authority/Metropolitan Development authority/ designated Authority.

Planning permission
MCGM

Planning Authority
MCGM

Name of the local body under whose jurisdiction the unit is located and Name of the licence issuing authority

Name of Local Body
MCGM

Name of the licence issuing authority
MCGM

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3. Names,addresses with Telephone and Fax Number of Managing Director / Managing Partner and officer responsible for matters connected with pollution control and/or Hazardous waste disposal.

Name of Managing Director
Mr. Shailendra Roy (Director)

Telephone number
9821351114

Fax number

Officer responsible for day to day business
Mr. Anand Rane (AGM B.D)

4. (a.) Are you registered Industrial unit ?

Yes

Registration number
4768

Date of registration
Feb 7, 1946

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5. Gross capital investment of the unit without depreciation till the date of application (Cost of building, land, plant and machinery). (To be supported by an affidavit/undertaking on Rs.20/- stamp paper, annual report or certificate from a Chartered Accountant for proposed unit(s), give estimated figure)

Gross capital (in Lakh)	**** Verified***	**** Terms***	**** Consent Fee***
307700.00	Undertaking	1	6154000.00

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6. If the site is located near sea-shore/river bank/other water bodies/Highway, Indicate the crow fly distance and the name of the water body, if any.

Distance From	***Distance(Km)***	**** Name***
SH/NH	0.00	--NA--
River	0.00	--NA--
Human Habitation	0.00	--NA--
Religious Place	0.00	--NA--
Historical Place	0.00	--NA--
Creek/Sea	0.00	--NA--

6b. Enter Latitude and Longitude details of site

Latitude

Longitude

0	0

7. Does the location satisfy the Requirements Under relevant Central/State Govt. Notification such as Coastal Regulation Zone. Notification on Ecologically Fragile Area, Industrial Location policy, etc. If so, give details.

Location	***Approved Industry Area***	***Sensitive Area***	***If Yes, Name Of Area***	***Industry Location with Reference to CRZ***
NA	No	No	NA	

8. If the site is situated in notified industrial estate,

		Details
(a) Whether effluent collection, treatment and disposal system has been provided by the authority.	No	NA
(b) Will the applicant utilize the system, if provided.	No	NA
(c) If not provided, details of proposed arrangement.	NA	

9.

(a) Total plot area (in squear meter)	***(b) Built up area and (in squear meter)***	***(c) Area available for the use of treated sewage/ trade effluent for gardening/irrigation. (in squear meter)***
234831.00	579125.45	14320.05

10. Month and year of commissioning of the Unit.

2022-12-01

11. Number of workers and office staff

Workers	***staff***	***Hrs. of shift***	***Weekly off***
70	25	9	1

12.

(a) Do you have a residential colony Within the premises in respect of Which the present application is Made ?	No	This is a building construction project of IT complex.

(b) If yes, please state population staying

Number of person staying	***Water consumption***	***Sewage generation***	***Whether is STP provided?***
			No

(c) Indicate its location and distance with reference to plant site.

Number of person staying	***Water consumption***

13. List of products and by-products Manufactured in tonnes/month, Kl/month or numbers/month with their types i.e.Dyes, drugs etc. (Give figures corresponding to maximum installed production capacity

Products Name and Quantity

Product Name	***UOM***	***Product Name***	***Existing***	***Consented***	***Proposed Revision***	***Total***	***Remarks***
OTHERS	Sq.M	building construction project	0	149821	429304.45	579125.45	area is in sq. mtrs.

Products Name and Quantity

Product Name	UOM	Quantity	Remarks
NA	--NA--	0	NA

14. List of raw materials and process chemicals with annual consumption corresponding to above stated production figures, in tonnes/month or kl/month or numbers/month.

Name of Raw Material	UOM	Quantity	Hazardous Waste	Hazardous Chemicals	Remarks
NA	--NA--	0	No	No	NA

15. Description of process of manufacture for each of the products showing input, output, quality and quantity of solid, liquid and gaseous wastes, if any from each unit process.

NA

Part B : Waste Water aspects

16. Water consumption for different uses (m3/day)

Purpose	Consumption	Effluent Generation	Treatment	Remarks	Disposal	Remarks
Domestic Pourpose	1174	1081	STP	Total 6 Nos. of STP's (194+194+108+152+410+76) with total capacity of 1134 KLD will be provided with	Recycle	Treated water will be used for flashings & gardening
Water gets Polluted & Pollutants are Biodegradable	0	0	--NA--	NA	--NA--	NA
Water gets Polluted,Pollutants are not Biodegradable & Toxic	0	0	--NA--	NA	--NA--	NA
Industrial Cooling,spraying in mine pits or boiler feed	0	0	--NA--	NA	--NA--	NA
Others	107 Gardening, 310 HAVC makeup					

17. Source of water supply, Name of authority granting permission if applicable and quantity permitted.

Source of water supply	Name of authority granting permission	Qauntity permitted
MCGM + Recycled water	MCGM	643

18. Quantity of waste water (effluent) generated (m3/day)

Domastic	Boiler Blowdown	Industrial	Cooling water blowdown
1081	0	0	0
Process	**DM Plants/Softening**	**Washing**	**Tail race discharge from**
0	0	0	0

* 19. Water budget calculations accounting for difference between water consumption and effluent generated.

0

20. Present treatment of sewage/canteen effluent (Give sizes/capacities of treatment units).

Capacity of STP (m3/day)
1134

Treatment unit	Size (mxm)	Retention time (hr)
Total 6 Nos. of STP's (194+194+108+152+410+76) with total capacity of 1134 KLD will be provided. Details attached seperately	0	0

21. Present treatment of trade effluent (Give sizes/capacities of treatment units) (A schematic diagram of the treatment scheme with inlet/outlet characteristics of each unit operation/process is to be provided. Include details of residue Management system (ETP sludges)

Capacity of ETP (m3/day)

0

Treatment unit	Size (mxm)	Retention time (hr)
NA	0	0

22.

(i) Are sewage and trade effluents mixed together?	No
If yes, state at which stage-Whether before, intermittently or after treatment.	NA

23. Capacity of treated effluent sump, Guard Pond if any.

Capacity of treated effluent sump (m3)	NA	
Effluent sump/Guard pond details	No	NA
If yes, state at which stage-Whether before, intermittently or after treatment.	No	NA

24. Mode of disposal of treated effluent With respective quantity, m3/day

(i) into stream/river (name of river)	0	***(ii) into creek/estuary (name of Creek/estuary)***	0
(iii) into sea	0	***(iv) into drain/sewer (owner of sewer)***	79
(v) On land for irrigation on owned land/ase land. Specify cropped area.	0	***(vi) Connected to CETP***	0
(vii) Quantity of treated effluent reused/ recycled, m3/day Provide a location map of disposal arrangement indicating the outler(s) for sampling. Treated effluent reused / recycled (m3/day)	948		

25. (a) Quality of untreated/treated effluents (Specify pH and concentration of SS, BOD,COD and specific pollutants relevant to the industry. TDS to be reported for disposal on land or into stream/river.

Untreated Effluent

pH	6.5-9.0
SS (mg/l)	400-450
BOD (mg/l)	350-400
COD (mg/l)	400-500
TDS (mg/l)	1000-2000

Specific pollutant if any	Name	Value

Treated Effluent

pH	6.5-9.0
SS (mg/l)	<20
BOD (mg/l)	<10
COD (mg/l)	<50
TDS (mg/l)	<500

Specific pollutant if any	***Name***	***Value***
1		

(b) Enclose a copy of the latest report of analysis from the laboratory approved by State Board/ Committee/Central Board/Central Government in the Ministry of Environment expected characteristics of the untreated/treated effluent

NA

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26. Fuel consumption

Fuel Type	***UOM***	***Fuel Consumption TPD/LKD***	***Calorific value***
HSD	Kg/Hr	565	0
Ash content	***Sulphur content***	***Quantity***	***Other (specify)***
0	0	1	0

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27. (a) Details of stack (process & fuel stacks: D. G.)

(a) Stack number(s)	***(b) Stack attached to***	***(c) Capacity***	***(d) Fuel Type***
1 & 2	DG Sets (2 Nos.)	1250 KVA (each)	HSD
(e) Fuel quantiy (Kg/hr.)	***(f) Material of construction***	***(g) Shape (round/rectangular)***	***(h) Height, m (above ground level)***
250	MS	Circular	5
(i) Diameter/Size, in meters	***(j) Gas quantity, Nm3/hr.***	***(k) Gas temperature °C***	***(l) Exit gas velocity, m/sec.***
0.1	146.61	112	7.05
(m) Control equipment preceding the stack	***(n) Nature of pollutants likely to present in stack gases such as Cl2, Nox, Sox TPM etc.***	***(o) Emissions control system provided***	***(p) In case of D.G. Set power generation capacity in KVA***
Accoustic hood	SPM	Stack	1250 KVA x 2 Nos.

(a) Stack number(s)	***(b) Stack attached to***	***(c) Capacity***	***(d) Fuel Type***
3 to 6	DG Sets (4 Nos.)	1500 KVA (each)	HSD
(e) Fuel quantiy (Kg/hr.)	***(f) Material of construction***	***(g) Shape (round/rectangular)***	***(h) Height, m (above ground level)***
300	MS	Circular	5
(i) Diameter/Size, in meters	***(j) Gas quantity, Nm3/hr.***	***(k) Gas temperature °C***	***(l) Exit gas velocity, m/sec.***
0.1	146.61	112	7.05
(m) Control equipment preceding the stack	***(n) Nature of pollutants likely to present in stack gases such as Cl2, Nox, Sox TPM etc.***	***(o) Emissions control system provided***	***(p) In case of D.G. Set power generation capacity in KVA***
Accoustic hood	SPM	Stack	1500 KVA x 4 Nos.

(a) Stack number(s)	***(b) Stack attached to***	***(c) Capacity***	***(d) Fuel Type***
7	DG Set	75 KVA	HSD
(e) Fuel quantiy (Kg/hr.)	***(f) Material of construction***	***(g) Shape (round/rectangular)***	***(h) Height, m (above ground level)***

15	MS	Circular	5
(i) Diameter/Size, in meters	***(j) Gas quantity, Nm3/hr.***	***(k) Gas temperature °C***	***(l) Exit gas velocity, m/sec.***
0.1	146.61	112	7.05
(m) Control equipment preceding the stack	***(n) Nature of pollutants likely to present in stack gases such as Cl2, Nox, Sox TPM etc.***	***(o) Emissions control system provided***	***(p) In case of D.G. Set power generation capacity in KVA***
Accoustic hood	SPM	Stack	75 KVA

(a) Stack number(s)	***(b) Stack attached to***	***(c) Capacity***	***(d) Fuel Type***
8	DG Set	630 KVA	HSD
(e) Fuel quantiy (Kg/hr.)	***(f) Material of construction***	***(g) Shape (round/rectangular)***	***(h) Height, m (above ground level)***
125	MS	Circular	5
(i) Diameter/Size, in meters	***(j) Gas quantity, Nm3/hr.***	***(k) Gas temperature °C***	***(l) Exit gas velocity, m/sec.***
0.1	146.61	112	7.05
(m) Control equipment preceding the stack	***(n) Nature of pollutants likely to present in stack gases such as Cl2, Nox, Sox TPM etc.***	***(o) Emissions control system provided***	***(p) In case of D.G. Set power generation capacity in KVA***
Accoustic hood	SPM	Stack	630 KVA

(a) Stack number(s)	***(b) Stack attached to***	***(c) Capacity***	***(d) Fuel Type***
9	DG Set	1010 KVA	HSD
(e) Fuel quantiy (Kg/hr.)	***(f) Material of construction***	***(g) Shape (round/rectangular)***	***(h) Height, m (above ground level)***
200	MS	Circular	5
(i) Diameter/Size, in meters	***(j) Gas quantity, Nm3/hr.***	***(k) Gas temperature °C***	***(l) Exit gas velocity, m/sec.***
0.1	146.61	112	7.05
(m) Control equipment preceding the stack	***(n) Nature of pollutants likely to present in stack gases such as Cl2, Nox, Sox TPM etc.***	***(o) Emissions control system provided***	***(p) In case of D.G. Set power generation capacity in KVA***
Accoustic hood	SPM	Stack	1010 KVA

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27. (B) Whether any release of odoriferous compounds such as Mercaptans, Phorate etc. Are coming out from any storages or process house.

NA

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28. Do you have adequate facility for collection of samples of emissions in the form of port holes, platform, ladder\etc. As per Central Board Publication “Emission regulations Part-III” (December, 1985)

Poart hole	Yes	***Details***	Port holes will be provided
Platform	Yes	***Details***	Platforms will be provided
Ladder	Yes	***Details***	Ladders will be provided

---

29. Quality of treated flue gas emissions and process emissions. Quantity of treated flue gas emissions and process emissions.

Sr. No.	***Stack attached to***	***Parameter***	***Concentration mg/Nm3***	***flow (Nm3/hr)***
1	DG Sets (9 Nos.)	SPM	54.59	146.61

(Specify concentration of criteria pollutants and industry/process-specific pollutants stack-wise. Enclose a copy of the latest report of analysis from the laboratory approved by State Board/Central Board/ Central Government in the Ministry of Environment & Forests. For proposed unit furnish expected characteristics of the emissions..

NA

Part - D: Hazardous Waste aspect

30. Information about Hazardous Waste Management as defined in Hazardous Waste (Management & Handling) Rules, 1989 as amended in Jan.,2000. Type/Category of Waste as per

Waste (Annually) Schedule I

Cat No	***Type***	***Qty***	***UOM***
NA		0	--NA--

Max	***Method of collection***	***Method of reception***	***Method of storage***
	NA	NA	NA

Method of transport	***Method of treatment***	***Method of disposal***
NA	NA	NA

Waste (Annually) Schedule II

31. Details about use of hazardous waste

Name of hazardous waste/Spent chemical	***Quantity used/month***	***Party from whom purchased***	***Party to whom sold***
NA	0	NA	NA

32.

a. Details about technical capability and equipments available with the applicant to handle the Hazardous Waste

NA

b. Characteristics of hazardous waste(s) Specify concentration of relevant pollutants. Enclose a copy of the latest report of analysis from the laboratory approved by State Board/Central Board/Central Govt. in the ministry of Environment & Forests. For proposed units furnish expected characteristics

NA

33.

Copy of format of manifest/record Keeping practiced by the applicant.

NA

34.

Details of self-monitoring (source and environment system)

NA

35.

Are you using any imported hazardous waste. If yes, give details.

NA

36.

Copy of actual user Registration/certificate obtained from State Pollution Control Board/Ministry of Environment & Forests, Government of India, for use of hazardous waste.

NA

37.

Present treatment of hazardous waste, if any (give type and capacity of treatment units)

NA

38. Quantity of hazardous waste disposal

(i) Within factory

0

(ii) Outside the factory (specify location and enclose copies of agreement.)

0

(iii) Through sale (enclosed documentary proof and copies of agreement.)

0

(iv) Outside state/Union Territory, if yes particulars of (1 & 3) above.

0

(v) Other (Specify)

0

Part - E: Additional information

39.

a. Do you have any proposals to upgrade the present system for treatment and disposal of effluent/emissions and/or hazardous waste.

NA

b. If yes, give the details with time- schedule for the implementation and approximate expenditure to be incurred on it.

NA

40.

Capital and recurring (O & M) expenditure on various aspect of environment protection such as effluent, emission, hazardous waste, solid waste, tree- plantation, monitoring, data acquisition etc. (give figures separately for items implemented/to be implemented).

Setting up cost = Lakhs and O & M cost = Lakhs

41.

To which of the pollution control equipment, separate meters for recording consumption of electric energy are installed ?

Control Panel

42.

Which of the pollution control items are connected to D.G. Set (captive power source) to ensure their running in the event of normal power failure

Stack / Chimney

43. Nature, quantity and method of disposal of non- hazardous solid waste generated separately from the process of manufacture and waste treatment. (Give details of area/capacity available in applicant's land)

Type	*Quantity*	*UOM*	*Treatment*	*Disposal*	*Other Details*
Biodegrdable waste	2218	Kg/Day	OWC	will be used as manure for landscape	Recycle
Non Biodegradable waste	3309	Kg/Day	Segregate	will be handed over to the authorised local vendor	Reuse

STP Sludge	50	Kg/Day	Drying	will be used as manure for plantation	Recycle

44. Hazardous Chemicals – Give details of Chemicals and quantities handled and Stored.

(i) Is the unit a Majot Accident Hazard unit as per Mfg.Storage Import Hazardous Chemicals Rules ?

NA

(ii) Is the unit an isolated storage as defined under the MSIHC Rules ?

NA

(iii) Indicate status of compliance of Rules 5,7,10,11,12,13 and 18 of the MSIHC Rules.

NA

(iv) Has approval of site been obtained from the concerned authority?

NA

(v) Has the unit prepared an off-site Emergency Plan? Is it updated ?

NA

(vi) Has information on imports of Chemicals been provided to the concerned authority?

NA

(vii) Does the unit possess a policy under the PLI Act?

NA

45. Brief details of tree plantation/green belt development within applicant's premises (in hectors)

Open Space Availability	***Plantation Done On***	***Number of Trees Planted***
14320.05 Square meter	5850 Square meter(41 %)	525

46.

Information of schemes for waste Minimization, resource recovery and recycling - implemented and to be implemented, separately.

STP, OWC, RWH, Solar system will be provided for waste Minimization, resource recovery and recycling.

47.

(a) The applicant shall indicate whether Industry comes under Public Hearing, if so, the relevant documents such as EIA, EMP, Risk Analysis etc. shall be submitted, if so, the relevant documents enclosed shall be indicated accordingly.

EC obtained. copy atatched.

(b) Any other additional information that the applicants desires to give

No

(c) Whether Environmental Statement submitted ? If submitted, give date of submission.

Yes

48.

I/We further declare that the information furnished above is correct to the best of my/our knowledge.

49.

I/We hereby submit that in case of any change from what is stated in this application in respect of raw materials, products, process of manufacture and
treatment and/or disposal of effluent, emission, hazardous wastes etc. In quality and quantity; a fresh application for Consent/Authorization shall be made and
until the grant of fresh Consent/Authorization no change shall be made.

50.

I/We undertake to furnish any other information within one month of its being called by the Board

Yours faithfully

Signature :
Name : Anand Rane
Designation : AGM - BD

Additional Information

Air Pollution

Sr No.	*Air Pollution Source*	*Pollutants*	*APCS Provided*	*Remark*
1	DG Sets (9 Nos.)	SPM, Noise	Stack, Accoustic hood	APCS & Sampling facilities will be provided

Separate EM Provided	No	***Other Emission Sources***	NA
Measures Proposed	Stack, Accoustic hood	***Foul Smell Coming Out***	No
Air Sampling Facility Details	Port holes, ladders, platforms will be provided		

D.G. Set Details

Description	*Capacity(KVA)*	*Remarks*
DG Set No. (1 & 2) - 2 Nos.	1250	Stack, Accoustic hood & Port holes, ladders, platforms will be provided
DG Set No. (3 to 6) - 4 Nos.	1500	Stack, Accoustic hood & Port holes, ladders, platforms will be provided
DG Set No. 7	75	Stack, Accoustic hood & Port holes, ladders, platforms will be provided
DG Set No. 8	630	Stack, Accoustic hood & Port holes, ladders, platforms will be provided
DG Set No. 9	1010	Stack, Accoustic hood & Port holes, ladders, platforms will be provided

Hazardous Waste Generation

Hazardous Waste	*Quantity*	*UOM*	*Treatment*	*Disposal*	*Other Details*

CHWTSDF Details

Member of CHWTSDF	*CHWTSDF Name*	*Remarks*

Cess Details

Cess Applicable	*Cess Paid*	*If Yes, UpTo*
No	No	Jan 1 1900 12:00:00:000AM

Legal Actions

Legal Action Taken	*Legal Record Of Company*	*Legal Action Details*	*Remarks*
No			

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

Application for Consent/ Authorisation

Sir,
I/We hereby apply for*

1. Consent to Establish/Operate/Renewal of consent under section 25 and 26 of the Water (Prevention & Control of Pollution) Act, 1974 as amended.

2. Consent to Establish/Operate/Renewal of consent under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981, as amended.

3. Authorization/renewal of authorization under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 in connection with my/our/existing/proposed/altered/ additional manufacturing/processing activity from the premises as per the details given below.

Consent Information

UAN No:
MPCB-CONSENT-0000128684

Application submitted on:
30-12-2021

Industry Information

Consent To:
Operate

IIN No.:
NIL

Submit to:
SRO - Mumbai II

Type of institution:
Industry

Industry Type:
O21 Building and construction project more than 20,000 sq. m built up area

Category:
Orange

Scale:
L.S.I

Location of industry/activity/etc:

EC Reqd.
No

Whether construction-buildup area is more than 20,000 sq.mtr.(Existing Expansion Unit)
Yes

General Information

1. Name, designation, office address with Telephone/Fax numbers, e-mail of the Applicant Occupier/Industry/Institution / Local Body.

Name
Mr. Shailendra Roy

Address
CTS No. 112, 115 of Village Tungwa & CTS No. 86, 87 of Village Paspol, Sakivihar Road, Powai, Tal. Kurla

Designation
Director

Taluka
Kurla

Area
Powai

District
Mumbai Suburban

Telephone

Fax

9821351114

Email
Rajesh.Pereira@larsentoubro.com

Pan Number
AAACL0140P

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2. (a) Name and location of the industrial unit/premises for which the application is made (Give revenue Survey Number/Plot number name of Taluka and District, also telephone and fax number)

Industry name
M/s. Larsen & Toubro Ltd.,

Location of Unit
C.T.S. No. 112,115 of Village Tungwa & C.T.S. No. 86 & 87 of Village Paspoli, Saki Vihar Road, Powai, Taluka-Kurla, Mumbai.

Survey number/Plot Number
C.T.S. No. 112,115 of Village Tungwa & C.T.S. No. 86 & 87

Taluka

District
Mumbai city

(b) Details of the planning permission obtained from the local body/Town and Country Planning authority/Metropolitan Development authority/ designated Authority.

Planning permission
MCGM

Planning Authority
MCGM

Name of the local body under whose jurisdiction the unit is located and Name of the licence issuing authority

Name of Local Body
MCGM

Name of the licence issuing authority
MCGM

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3. Names,addresses with Telephone and Fax Number of Managing Director / Managing Partner and officer responsible for matters connected with pollution control and/or Hazardous waste disposal.

Name of Managing Director
Mr. Shailendra Roy (Director)

Telephone number
9821351114

Fax number

Officer responsible for day to day business
Mr. Anand Rane (AGM B.D)

4. (a.) Are you registered Industrial unit ?

Yes

Registration number
4768

Date of registration
Feb 7, 1946

---

5. Gross capital investment of the unit without depreciation till the date of application (Cost of building, land, plant and machinery). (To be supported by an affidavit/undertaking on Rs.20/- stamp paper, annual report or certificate from a Chartered Accountant for proposed unit(s), give estimated figure)

Gross capital (in Lakh)	**** Verified***	**** Terms***	**** Consent Fee***
110894.00	Undertaking	2	4435760.00

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6. If the site is located near sea-shore/river bank/other water bodies/Highway, Indicate the crow fly distance and the name of the water body, if any.

Distance From	***Distance(Km)***	**** Name***
SH/NH	0.00	--NA--
River	0.00	--NA--
Human Habitation	0.00	--NA--
Religious Place	0.00	--NA--
Historical Place	0.00	--NA--
Creek/Sea	0.00	--NA--

6b. Enter Latitude and Longitude details of site

Latitude

Longitude

0	0

7. Does the location satisfy the Requirements Under relevant Central/State Govt. Notification such as Coastal Regulation Zone. Notification on Ecologically Fragile Area, Industrial Location policy, etc. If so, give details.

Location	***Approved Industry Area***	***Sensitive Area***	***If Yes, Name Of Area***	***Industry Location with Reference to CRZ***
NA	No	No	NA	

8. If the site is situated in notified industrial estate,

		Details
(a) Whether effluent collection, treatment and disposal system has been provided by the authority.	No	NA
(b) Will the applicant utilize the system, if provided.	No	NA
(c) If not provided, details of proposed arrangement.	NA	

9.

(a) Total plot area (in squear meter)	***(b) Built up area and (in squear meter)***	***(c) Area available for the use of treated sewage/ trade effluent for gardening/irrigation. (in squear meter)***
234831.00	91115.76	14320.05

10. Month and year of commissioning of the Unit.

2022-01-01

11. Number of workers and office staff

Workers	***staff***	***Hrs. of shift***	***Weekly off***
0	4357	9	1

12.

(a) Do you have a residential colony Within the premises in respect of Which the present application is Made ?	No	This is a building construction project of IT complex. Consent to operate for A M Naik Tower .

(b) If yes, please state population staying

Number of person staying	***Water consumption***	***Sewage generation***	***Whether is STP provided?***
			No

(c) Indicate its location and distance with reference to plant site.

Number of person staying	***Water consumption***

13. List of products and by-products Manufactured in tonnes/month, Kl/month or numbers/month with their types i.e.Dyes, drugs etc. (Give figures corresponding to maximum installed production capacity

Products Name and Quantity

Product Name	***UOM***	***Product Name***	***Existing***	***Consented***	***Proposed Revision***	***Total***	***Remarks***
OTHERS	Sq.M	building construction project	0	0	91115.76	91115.76	area is in sq. mtrs.

Products Name and Quantity

Product Name	UOM	Quantity	Remarks
NA	--NA--	0	NA

14. List of raw materials and process chemicals with annual consumption corresponding to above stated production figures, in tonnes/month or kl/month or numbers/month.

Name of Raw Material	UOM	Quantity	Hazardous Waste	Hazardous Chemicals	Remarks
NA	--NA--	0	No	No	NA

15. Description of process of manufacture for each of the products showing input, output, quality and quantity of solid, liquid and gaseous wastes, if any from each unit process.

NA

Part B : Waste Water aspects

16. Water consumption for different uses (m3/day)

Purpose	Consumption	Effluent Generation	Treatment	Remarks	Disposal	Remarks
Domestic Pourpose	196	180	STP	320 KLD STP is provided with MBBR Technology	Recycle	Treated water will be used for flashings & gardening
Water gets Polluted & Pollutants are Biodegradable	0	0	--NA--	NA	--NA--	NA
Water gets Polluted,Pollutants are not Biodegradable & Toxic	0	0	--NA--	NA	--NA--	NA
Industrial Cooling,spraying in mine pits or boiler feed	0	0	--NA--	NA	--NA--	NA
Others	75 Gardening					

17. Source of water supply, Name of authority granting permission if applicable and quantity permitted.

Source of water supply	Name of authority granting permission	Qauntity permitted
MCGM + Recycled water	MCGM	109

18. Quantity of waste water (effluent) generated (m3/day)

Domastic	Boiler Blowdown	Industrial	Cooling water blowdown
180	0	0	0
Process	**DM Plants/Softening**	**Washing**	**Tail race discharge from**
0	0	0	0

* 19. Water budget calculations accounting for difference between water consumption and effluent generated.

0

20. Present treatment of sewage/canteen effluent (Give sizes/capacities of treatment units).

Capacity of STP (m3/day)

320

Treatment unit	Size (mxm)	Retention time (hr)
Screen Chamber	11.25	0.843
Collection Tank	103.4	7.755
MBBR Tank	88	6.6
Secondary Settler	28	2.1
Filter Feed Tank	29.7	2.227
Sludge Tank	73.92	5.544

21. Present treatment of trade effluent (Give sizes/capacities of treatment units) (A schematic diagram of the treatment scheme with inlet/outlet characteristics of each unit operation/process is to be provided. Include details of residue Management system (ETP sludges)

Capacity of ETP (m3/day)

0

Treatment unit	Size (mxm)	Retention time (hr)
NA	0	0

22.

(i) Are sewage and trade effluents mixed together?	No
If yes, state at which stage-Whether before, intermittently or after treatment.	NA

23. Capacity of treated effluent sump, Guard Pond if any.

Capacity of treated effluent sump (m3)	NA	
Effluent sump/Guard pond details	No	NA
If yes, state at which stage-Whether before, intermittently or after treatment.	No	NA

24. Mode of disposal of treated effluent With respective quantity, m3/day

(i) into stream/river (name of river)	0	***(ii) into creek/estuary (name of Creek/estuary)***	0
(iii) into sea	0	***(iv) into drain/sewer (owner of sewer)***	0
(v) On land for irrigation on owned land/ase land. Specify cropped area.	0	***(vi) Connected to CETP***	0
(vii) Quantity of treated effluent reused/ recycled, m3/day Provide a location map of disposal arrangement indicating the outler(s) for sampling. Treated effluent reused / recycled (m3/day)	162		

25. (a) Quality of untreated/treated effluents (Specify pH and concentration of SS, BOD,COD and specific pollutants relevant to the industry. TDS to be reported for disposal on land or into stream/river.

Untreated Effluent

pH	6.5-9.0
SS (mg/l)	400-450
BOD (mg/l)	350-400

COD (mg/l)	400-500
TDS (mg/l)	1000-2000

Specific pollutant if any	***Name***	***Value***
1		

Treated Effluent

pH	6.5-9.0
SS (mg/l)	<20
BOD (mg/l)	<10
COD (mg/l)	<50
TDS (mg/l)	<500

Specific pollutant if any	***Name***	***Value***
1		

(b) Enclose a copy of the latest report of analysis from the laboratory approved by State Board/ Committee/Central Board/Central Government in the Ministry of Environment expected characteristics of the untreated/treated effluent

NA

---

26. Fuel consumption

Fuel Type	***UOM***	***Fuel Consumption TPD/LKD***	***Calorific value***
HSD	Kg/Hr	550	0
Ash content	***Sulphur content***	***Quantity***	***Other (specify)***
0	0	1	0

---

27. (a) Details of stack (process & fuel stacks: D. G.)

(a) Stack number(s)	***(b) Stack attached to***	***(c) Capacity***	***(d) Fuel Type***
1 & 2	DG Sets (2 Nos.)	1250 KVA (each)	HSD
(e) Fuel quantiy (Kg/hr.)	***(f) Material of construction***	***(g) Shape (round/rectangular)***	***(h) Height, m (above ground level)***
250	MS	Circular	5
(i) Diameter/Size, in meters	***(j) Gas quantity, Nm3/hr.***	***(k) Gas temperature °C***	***(l) Exit gas velocity, m/sec.***
0.1	146.61	112	7.05
(m) Control equipment preceding the stack	***(n) Nature of pollutants likely to present in stack gases such as Cl2, Nox, Sox TPM etc.***	***(o) Emissions control system provided***	***(p) In case of D.G. Set power generation capacity in KVA***
Accoustic hood	SPM	Stack	1250 KVA x 2 Nos.

(a) Stack number(s)	***(b) Stack attached to***	***(c) Capacity***	***(d) Fuel Type***
3 to 6	DG Sets (4 Nos.)	1500 KVA (each)	HSD
(e) Fuel quantiy (Kg/hr.)	***(f) Material of construction***	***(g) Shape (round/rectangular)***	***(h) Height, m (above ground level)***
300	MS	Circular	5
(i) Diameter/Size, in meters	***(j) Gas quantity, Nm3/hr.***	***(k) Gas temperature °C***	***(l) Exit gas velocity, m/sec.***
0.1	146.61	112	7.05
(m) Control equipment preceding the stack	***(n) Nature of pollutants likely to present in stack gases such as Cl2, Nox, Sox TPM etc.***	***(o) Emissions control system provided***	***(p) In case of D.G. Set power generation capacity in KVA***
Accoustic hood	SPM	Stack	1500 KVA x 4 Nos.

27. (B) Whether any release of odoriferous compounds such as Mercaptans, Phorate etc. Are coming out from any storages or process house.

NA

28. Do you have adequate facility for collection of samples of emissions in the form of port holes, platform, ladder\etc. As per Central Board Publication “Emission regulations Part-III” (December, 1985)

Poart hole	Yes	***Details***	Port holes will be provided
Platform	Yes	***Details***	Platforms will be provided
Ladder	Yes	***Details***	Ladders will be provided

29. Quality of treated flue gas emissions and process emissions. Quantity of treated flue gas emissions and process emissions.

Sr. No.	***Stack attached to***	***Parameter***	***Concentration mg/Nm3***	***flow (Nm3/hr)***
1	DG Sets (6 Nos.)	SPM	54.59	146.61

(Specify concentration of criteria pollutants and industry/process-specific pollutants stack-wise. Enclose a copy of the latest report of analysis from the laboratory approved by State Board/Central Board/ Central Government in the Ministry of Environment & Forests. For proposed unit furnish expected characteristics of the emissions..

NA

Part - D: Hazardous Waste aspect

30. Information about Hazardous Waste Management as defined in Hazardous Waste (Management & Handling) Rules, 1989 as amended in Jan.,2000. Type/Category of Waste as per

Waste (Annually) Schedule I

Cat No	***Type***	***Qty***	***UOM***
NA		0	--NA--

Max	***Method of collection***	***Method of reception***	***Method of storage***
	NA	NA	NA

Method of transport	***Method of treatment***	***Method of disposal***
NA	NA	NA

Waste (Annually) Schedule II

31. Details about use of hazardous waste

Name of hazardous waste/Spent chemical	***Quantity used/month***	***Party from whom purchased***	***Party to whom sold***
NA	0	NA	NA

32.

a. Details about technical capability and equipments available with the applicant to handle the Hazardous Waste

NA

b. Characteristics of hazardous waste(s) Specify concentration of relevant pollutants. Enclose a copy of the latest report of analysis from the laboratory approved by State Board/Central Board/Central Govt. in the ministry of Environment & Forests. For proposed units furnish expected characteristics

NA

33.

Copy of format of manifest/record Keeping practiced by the applicant.

NA

34.

Details of self-monitoring (source and environment system)

NA

35.

Are you using any imported hazardous waste. If yes, give details.

NA

36.

Copy of actual user Registration/certificate obtained from State Pollution Control Board/Ministry of Environment & Forests, Government of India, for use of hazardous waste.

NA

37.

Present treatment of hazardous waste, if any (give type and capacity of treatment units)

NA

---

38. Quantity of hazardous waste disposal

(i) Within factory

0

(ii) Outside the factory (specify location and enclose copies of agreement.)

0

(iii) Through sale (enclosed documentary proof and copies of agreement.)

0

(iv) Outside state/Union Territory, if yes particulars of (1 & 3) above.

0

(v) Other (Specify)

0

Part - E: Additional information

39.

a. Do you have any proposals to upgrade the present system for treatment and disposal of effluent/emissions and/or hazardous waste.

NA

b. If yes, give the details with time- schedule for the implementation and approximate expenditure to be incurred on it.

NA

40.

Capital and recurring (O & M) expenditure on various aspect of environment protection such as effluent, emission, hazardous waste, solid waste, tree- plantation, monitoring, data acquisition etc. (give figures separately for items implemented/to be implemented).

Setting up cost = 238 Lakhs and O & M cost = 15 Lakhs/Year

41.

To which of the pollution control equipment, separate meters for recording consumption of electric energy are installed ?

Control Panel

42.

Which of the pollution control items are connected to D.G. Set (captive power source) to ensure their running in the event of normal power failure

Stack / Chimney

43. Nature, quantity and method of disposal of non- hazardous solid waste generated separately from the process of manufacture and waste treatment. (Give details of area/capacity available in applicant's land)

Type	*Quantity*	*UOM*	*Treatment*	*Disposal*	*Other Details*
Biodegrdable waste	327	Kg/Day	OWC	will be used as manure for landscape	Recycle
Non Biodegradable waste	762	Kg/Day	Segregate	will be handed over to the authorised local vendor	Reuse
STP Sludge	50	Kg/Day	Drying	will be used as manure for plantation	Recycle

44. Hazardous Chemicals – Give details of Chemicals and quantities handled and Stored.

(i) Is the unit a Majot Accident Hazard unit as per Mfg.Storage Import Hazardous Chemicals Rules ?

NA

(ii) Is the unit an isolated storage as defined under the MSIHC Rules ?

NA

(iii) Indicate status of compliance of Rules 5,7,10,11,12,13 and 18 of the MSIHC Rules.

NA

(iv) Has approval of site been obtained from the concerned authority?

NA

(v) Has the unit prepared an off-site Emergency Plan? Is it updated ?

NA

(vi) Has information on imports of Chemicals been provided to the concerned authority?

NA

(vii) Does the unit possess a policy under the PLI Act?

NA

45. Brief details of tree plantation/green belt development within applicant's premises (in hectors)

Open Space Availability	*Plantation Done On*	*Number of Trees Planted*
14320.05 Square meter	5850 Square meter(41 %)	525

46.

Information of schemes for waste Minimization, resource recovery and recycling - implemented and to be implemented, separately.

STP, OWC, RWH, Solar system are provided for waste Minimization, resource recovery and recycling.

47.

(a) The applicant shall indicate whether Industry comes under Public Hearing, if so, the relevant documents such as EIA, EMP, Risk Analysis etc. shall be submitted, if so, the relevant documents enclosed shall be indicated accordingly.

NA

(b) Any other additional information that the applicants desires to give

No

(c) Whether Environmental Statement submitted ? If submitted, give date of submission.

Yes

48.

I/We further declare that the information furnished above is correct to the best of my/our knowledge.

49.

***I/We hereby submit that in case of any change from what is stated in this application in respect of raw materials, products, process of manufacture and
treatment and/or disposal of effluent, emission, hazardous wastes etc. In quality and quantity; a fresh application for Consent/Authorization shall be made and
until the grant of fresh Consent/Authorization no change shall be made.***

50.

I/We undertake to furnish any other information within one month of its being called by the Board

---

Yours faithfully

Signature :
Name : Anand Rane
Designation : AGM - BD

Additional Information

Air Pollution

Sr No.	*Air Pollution Source*	*Pollutants*	*APCS Provided*	*Remark*
1	DG sets (6 Nos.)	SPM, Noise	Stack, Accoustic hood	APCS & Sampling faculties are provided.

Separate EM Provided	No	***Other Emission Sources***	NA
Measures Proposed	Stack, Accoustic hood	***Foul Smell Coming Out***	No
Air Sampling Facility Details	Port holes, Ladders, Platforms are provided.		

D.G. Set Details

Description	*Capacity(KVA)*	*Remarks*
DG Set No. 1	1250	Stack, Accoustic hood, & Port holes, Ladders, Platforms are provided.
DG Set No. 2	1250	Stack, Accoustic hood, & Port holes, Ladders, Platforms are provided.
DG Set No. 3	1500	Stack, Accoustic hood, & Port holes, Ladders, Platforms are provided.
DG Set No. 4	1500	Stack, Accoustic hood, & Port holes, Ladders, Platforms are provided.
DG Set No. 5	1500	Stack, Accoustic hood, & Port holes, Ladders, Platforms are provided.
DG Set No. 6	1500	Stack, Accoustic hood, & Port holes, Ladders, Platforms are provided.

Hazardous Waste Generation

Hazardous Waste	Quantity	UOM	Treatment	Disposal	Other Details

CHWTSDF Details

Member of CHWTSDF	CHWTSDF Name	Remarks

Cess Details

Cess Applicable	Cess Paid	If Yes, UpTo
No	No	Jan 1 1900 12:00:00:000AM

Legal Actions

Legal Action Taken	Legal Record Of Company	Legal Action Details	Remarks
No			

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

Application for Consent/ Authorisation

Sir,
I/We hereby apply for*

1. Consent to Establish/Operate/Renewal of consent under section 25 and 26 of the Water (Prevention & Control of Pollution) Act, 1974 as amended.

2. Consent to Establish/Operate/Renewal of consent under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981, as amended.

3. Authorization/renewal of authorization under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 in connection with my/our/existing/proposed/altered/ additional manufacturing/processing activity from the premises as per the details given below.

Consent Information

UAN No:
MPCB-CONSENT-0000140076

Application submitted on:
30-05-2022

Industry Information

Consent To:
Operate

IIN No.:

Submit to:
SRO - Mumbai II

Type of institution:
Industry

Industry Type:
O21 Building and construction project more than 20,000 sq. m built up area

Category:
Orange

Scale:
L.S.I

Location of industry/activity/etc:
Local Body

Name of Local Body:
MCGM

EC Reqd.
Yes

EC Obtained
EC Obtained

EC Ref. No.
F. No. 21-80/2016-IA-III dtd. 30.08.2017 & SEAC-2014/CR-15l/C-1 dtd. 28.01.2016

Date of issue of EC
Jan 1, 1970

Parivesh Proposal Number

MoEFCC/SEIAA File Number
IA/MH/NCP/64603/2016

Whether construction-buildup area is more than 20,000 sq.mtr.(Existing Expansion Unit)
Yes

General Information

1. Name, designation, office address with Telephone/Fax numbers, e-mail of the Applicant Occupier/Industry/Institution / Local Body.

Name
Mr. Shailendra Roy

Address
CTS No. 112, 115 of Village Tungwa & CTS No. 86, 87 of Village Paspol, Sakivihar Road, Powai, Tal. Kurla

Designation

Taluka

Director

Kurla

Area

Powai

District

Mumbai Suburban

Telephone

9821351114

Fax

Email

Rajesh.Pereira@larsentoubro.com

Pan Number

AAACL0140P

---

2. (a) Name and location of the industrial unit/premises for which the application is made (Give revenue Survey Number/Plot number name of Taluka and District, also telephone and fax number)

Industry name

M/s. Larsen & Toubro Ltd.,

Location of Unit

School Building, C.T.S. No. 112,115 of Village Tungwa & C.T.S. No. 86 & 87 of Village Paspoli, Saki Vihar Road, Powai, Taluka-Kurla, Mumbai.

Survey number/Plot Number

C.T.S. No. 112,115 of Village Tungwa & C.T.S. No. 86 & 87

Taluka

District

Mumbai city

(b) Details of the planning permission obtained from the local body/Town and Country Planning authority/Metropolitan Development authority/ designated Authority.

Planning permission

MCGM

Planning Authority

MCGM

Name of the local body under whose jurisdiction the unit is located and Name of the licence issuing authority

Name of Local Body

MCGM

Name of the licence issuing authority

MCGM

---

3. Names,addresses with Telephone and Fax Number of Managing Director / Managing Partner and officer responsible for matters connected with pollution control and/or Hazardous waste disposal.

Name of Managing Director

Mr. Shailendra Roy (Director)

Telephone number

9821351114

Fax number

Officer responsible for day to day business

Mr. Anand Rane (AGM B.D)

4. (a.) Are you registered Industrial unit ?

Yes

Registration number

4768

Date of registration

Feb 7, 1946

---

5. Gross capital investment of the unit without depreciation till the date of application (Cost of building, land, plant and machinery). (To be supported by an affidavit/undertaking on Rs.20/- stamp paper, annual report or certificate from a Chartered Accountant for proposed unit(s), give estimated figure)

Gross capital (in Lakh)	**** Verified***	**** Terms***	**** Consent Fee***
4107.42	CA Certificate	1	75000.00

---

6. If the site is located near sea-shore/river bank/other water bodies/Highway, Indicate the crow fly distance and the name of the water body, if any.

Distance From	***Distance(Km)***	**** Name***
SH/NH	0.00	--NA--
River	0.00	--NA--
Human Habitation	0.00	--NA--
Religious Place	0.00	--NA--

Historical Place	0.00	--NA--
Creek/Sea	0.00	--NA--

6b. Enter Latitude and Longitude details of site

Latitude	***Longitude***
0	0

7. Does the location satisfy the Requirements Under relevant Central/State Govt. Notification such as Coastal Regulation Zone. Notification on Ecologically Fragile Area, Industrial Location policy, etc. If so, give details.

Location	***Approved Industry Area***	***Sensitive Area***	***If Yes, Name Of Area***	***Industry Location with Reference to CRZ***
NA	No	No	NA	

8. If the site is situated in notified industrial estate,

		Details
(a) Whether effluent collection, treatment and disposal system has been provided by the authority.	No	NA
(b) Will the applicant utilize the system, if provided.	No	NA
(c) If not provided, details of proposed arrangement.	NA	

9.

(a) Total plot area (in squear meter)	***(b) Built up area and (in squear meter)***	***(c) Area available for the use of treated sewage/ trade effluent for gardening/irrigation. (in squear meter)***
234831.00	14378.95	660

10. Month and year of commissioning of the Unit.

2022-06-30

11. Number of workers and office staff

Workers	***staff***	***Hrs. of shift***	***Weekly off***
0	0	0	0

12.

(a) Do you have a residential colony Within the premises in respect of Which the present application is Made ?	No	This is a building construction project of school building.

(b) If yes, please state population staying

Number of person staying	***Water consumption***	***Sewage generation***	***Whether is STP provided?***
			No

(c) Indicate its location and distance with reference to plant site.

Number of person staying	***Water consumption***

13. List of products and by-products Manufactured in tonnes/month, Kl/month or numbers/month with their types i.e.Dyes, drugs etc. (Give figures corresponding to maximum installed production capacity

Products Name and Quantity

Product Name	UOM	Product Name	Existing	Consented	Proposed Revision	Total	Remarks
OTHERS	Sq.M	building construction project	0	0	14378.95	14378.95	area is in sq. mtrs. for school building

Products Name and Quantity

Product Name	UOM	Quantity	Remarks
NA	--NA--	0	NA

14. List of raw materials and process chemicals with annual consumption corresponding to above stated production figures, in tonnes/month or kl/month or numbers/month.

Name of Raw Material	UOM	Quantity	Hazardous Waste	Hazardous Chemicals	Remarks
NA	--NA--	0	No	No	NA

15. Description of process of manufacture for each of the products showing input, output, quality and quantity of solid, liquid and gaseous wastes, if any from each unit process.

NA

Part B : Waste Water aspects

16. Water consumption for different uses (m3/day)

Purpose	Consumption	Effluent Generation	Treatment	Remarks	Disposal	Remarks
Domestic Pourpose	108	97	Septic Tank & Soak Pit	-----	Local Bodies	MCGM NOC is obtained for connecting sewer
Water gets Polluted & Pollutants are Biodegradable	0	0	--NA--	NA	--NA--	NA
Water gets Polluted,Pollutants are not Biodegradable & Toxic	0	0	--NA--	NA	--NA--	NA
Industrial Cooling,spraying in mine pits or boiler feed	0	0	--NA--	NA	--NA--	NA
Others	1 Gardening					

17. Source of water supply, Name of authority granting permission if applicable and quantity permitted.

Source of water supply	Name of Local Body	Name of authority granting permission	Qauntity permitted
Local Body	MCGM	MCGM	108

18. Quantity of waste water (effluent) generated (m3/day)

Domastic	Boiler Blowdown	Industrial	Cooling water blowdown
97	0	0	0
Process	**DM Plants/Softening**	**Washing**	**Tail race discharge from**
0	0	0	0

* 19. Water budget calculations accounting for difference between water consumption and effluent generated.

0

20. Present treatment of sewage/canteen effluent (Give sizes/capacities of treatment units).

Capacity of STP (m3/day)

0

Treatment unit	***Size (mxm)***	***Retention time (hr)***
NA	0	0

21. Present treatment of trade effluent (Give sizes/capacities of treatment units) (A schematic diagram of the treatment scheme with inlet/outlet characteristics of each unit operation/process is to be provided. Include details of residue Management system (ETP sludges)

Capacity of ETP (m3/day)

0

Treatment unit	***Size (mxm)***	***Retention time (hr)***
NA	0	0

22.

(i) Are sewage and trade effluents mixed together?	No
If yes, state at which stage-Whether before, intermittently or after treatment.	NA

23. Capacity of treated effluent sump, Guard Pond if any.

Capacity of treated effluent sump (m3)	NA	
Effluent sump/Guard pond details	No	NA
If yes, state at which stage-Whether before, intermittently or after treatment.	No	NA

24. Mode of disposal of treated effluent With respective quantity, m3/day

(i) into stream/river (name of river)	0	***(ii) into creek/estuary (name of Creek/estuary)***	0
(iii) into sea	0	***(iv) into drain/sewer (owner of sewer)***	0
(v) On land for irrigation on owned land/ase land. Specify cropped area.	0	***(vi) Connected to CETP***	0
(vii) Quantity of treated effluent reused/ recycled, m3/day Provide a location map of disposal arrangement indicating the outler(s) for sampling. Treated effluent reused / recycled (m3/day)	162		

25. (a) Quality of untreated/treated effluents (Specify pH and concentration of SS, BOD,COD and specific pollutants relevant to the industry. TDS to be reported for disposal on land or into stream/river.

Untreated Effluent

pH	NA
SS (mg/l)	NA
BOD (mg/l)	NA

COD (mg/l)	NA
TDS (mg/l)	NA

Specific pollutant if any	***Name***	***Value***
1		

Treated Effluent

pH	NA
SS (mg/l)	NA
BOD (mg/l)	NA
COD (mg/l)	NA
TDS (mg/l)	NA

Specific pollutant if any	***Name***	***Value***
1		

(b) Enclose a copy of the latest report of analysis from the laboratory approved by State Board/ Committee/Central Board/Central Government in the Ministry of Environment expected characteristics of the untreated/treated effluent

NA

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26. Fuel consumption

Fuel Type	***UOM***	***Fuel Consumption TPD/LKD***	***Calorific value***
HSD	Kg/Hr	157.5	0
Ash content	***Sulphur content***	***Quantity***	***Other (specify)***
0	0	1	0

---

27. (a) Details of stack (process & fuel stacks: D. G.)

(a) Stack number(s)	***(b) Stack attached to***	***(c) Capacity***	***(d) Fuel Type***
1	DG Set	630	HSD
(e) Fuel quantiy (Kg/hr.)	***(f) Material of construction***	***(g) Shape (round/rectangular)***	***(h) Height, m (above ground level)***
157.5	MS	Circular	5
(i) Diameter/Size, in meters	***(j) Gas quantity, Nm3/hr.***	***(k) Gas temperature °C***	***(l) Exit gas velocity, m/sec.***
0.1	146.61	112	7.05
(m) Control equipment preceding the stack	***(n) Nature of pollutants likely to present in stack gases such as Cl2, Nox, Sox TPM etc.***	***(o) Emissions control system provided***	***(p) In case of D.G. Set power generation capacity in KVA***
Accoustic hood	SPM	Stack	630

---

27. (B) Whether any release of odoriferous compounds such as Mercaptans, Phorate etc. Are coming out from any storages or process house.

NA

---

28. Do you have adequate facility for collection of samples of emissions in the form of port holes, platform, ladder\etc. As per Central Board Publication “Emission regulations Part-III” (December, 1985)

Poart hole	Yes	***Details***	Port holes are provided
Platform	Yes	***Details***	Platform is provided
Ladder	Yes	***Details***	Ladder is provided

29. Quality of treated flue gas emissions and process emissions. Quantity of treated flue gas emissions and process emissions.

Sr. No.	Stack attached to	Parameter	Concentration mg/Nm3	flow (Nm3/hr)
1	DG Set	SPM	54.59	146.61

(Specify concentration of criteria pollutants and industry/process-specific pollutants stack-wise. Enclose a copy of the latest report of analysis from the laboratory approved by State Board/Central Board/ Central Government in the Ministry of Environment & Forests. For proposed unit furnish expected characteristics of the emissions..

NA

Part - D: Hazardous Waste aspect

30. Information about Hazardous Waste Management as defined in Hazardous Waste (Management & Handling) Rules, 1989 as amended in Jan.,2000. Type/Category of Waste as per

Waste (Annually) Schedule I

Cat No	Type	Qty	UOM
NA		0	--NA--

Max	Method of collection	Method of reception	Method of storage
	NA	NA	NA

Method of transport	Method of treatment	Method of disposal
NA	NA	NA

Waste (Annually) Schedule II

31. Details about use of hazardous waste

Name of hazardous waste/Spent chemical	Quantity used/month	Party from whom purchased	Party to whom sold
NA	0	NA	NA

32.

a. Details about technical capability and equipments available with the applicant to handle the Hazardous Waste

NA

b. Characteristics of hazardous waste(s) Specify concentration of relevant pollutants. Enclose a copy of the latest report of analysis from the laboratory approved by State Board/Central Board/Central Govt. in the ministry of Environment & Forests. For proposed units furnish expected characteristics

NA

33.

Copy of format of manifest/record Keeping practiced by the applicant.

NA

34.

Details of self-monitoring (source and environment system)

NA

35.

Are you using any imported hazardous waste. If yes, give details.

NA

36.

Copy of actual user Registration/certificate obtained from State Pollution Control Board/Ministry of Environment & Forests, Government of India, for use of hazardous waste.

NA

37.

Present treatment of hazardous waste, if any (give type and capacity of treatment units)

NA

38. Quantity of hazardous waste disposal

(i) Within factory

0

(ii) Outside the factory (specify location and enclose copies of agreement.)

0

(iii) Through sale (enclosed documentary proof and copies of agreement.)

0

(iv) Outside state/Union Territory, if yes particulars of (1 & 3) above.

0

(v) Other (Specify)

0

Part - E: Additional information

39.

a. Do you have any proposals to upgrade the present system for treatment and disposal of effluent/emissions and/or hazardous waste.

NA

b. If yes, give the details with time- schedule for the implementation and approximate expenditure to be incurred on it.

NA

40.

Capital and recurring (O & M) expenditure on various aspect of environment protection such as effluent, emission, hazardous waste, solid waste, tree- plantation, monitoring, data acquisition etc. (give figures separately for items implemented/to be implemented).

Setting up cost =

41.

To which of the pollution control equipment, separate meters for recording consumption of electric energy are installed ?

Control Panel

42.

Which of the pollution control items are connected to D.G. Set (captive power source) to ensure their running in the event of normal power failure

Stack / Chimney

43. Nature, quantity and method of disposal of non- hazardous solid waste generated separately from the process of manufacture and waste treatment. (Give details of area/capacity available in applicant's land)

Type	Quantity	UOM	Treatment	Disposal	Other Details
Biodegrdable waste	50	Kg/Day	OWC	will be used as manure for landscape	Recycle
Non Biodegradable waste	125	Kg/Day	Segregate	will be handed over to the authorised local vendor	Reuse

44. Hazardous Chemicals – Give details of Chemicals and quantities handled and Stored.

(i) Is the unit a Majot Accident Hazard unit as per Mfg.Storage Import Hazardous Chemicals Rules ?

NA

(ii) Is the unit an isolated storage as defined under the MSIHC Rules ?

NA

(iii) Indicate status of compliance of Rules 5,7,10,11,12,13 and 18 of the MSIHC Rules.

NA

(iv) Has approval of site been obtained from the concerned authority?

NA

(v) Has the unit prepared an off-site Emergency Plan? Is it updated ?

NA

(vi) Has information on imports of Chemicals been provided to the concerned authority?

NA

(vii) Does the unit possess a policy under the PLI Act?

NA

45. Brief details of tree plantation/green belt development within applicant's premises (in hectors)

Open Space Availability	Plantation Done On	Number of Trees Planted
660 Square meter	660 Square meter(100 %)	50

46.

Information of schemes for waste Minimization, resource recovery and recycling - implemented and to be implemented, separately.

OWC, RWH, Solar system are provided for waste Minimization, resource recovery and recycling.

47.

(a) The applicant shall indicate whether Industry comes under Public Hearing, if so, the relevant documents such as EIA, EMP, Risk Analysis etc. shall be submitted, if so, the relevant documents enclosed shall be indicated accordingly.

50

(b) Any other additional information that the applicants desires to give

No

(c) Whether Environmental Statement submitted ? If submitted, give date of submission.

Yes

48.

I/We further declare that the information furnished above is correct to the best of my/our knowledge.

49.

I/We hereby submit that in case of any change from what is stated in this application in respect of raw materials, products, process of manufacture and
treatment and/or disposal of effluent, emission, hazardous wastes etc. In quality and quantity; a fresh application for Consent/Authorization shall be made and
until the grant of fresh Consent/Authorization no change shall be made.

50.

I/We undertake to furnish any other information within one month of its being called by the Board

Yours faithfully

Signature :
Name : Anand Rane
Designation : AGM - BD

Additional Information

Air Pollution

Sr No.	Air Pollution Source	Pollutants	APCS Provided	Remark
1	DG Set	SPM, Noise	Stack, Accoustic hood	APCS & Sampling facilities are provided.

Separate EM Provided	No	***Other Emission Sources***	NA
Measures Proposed	Stack, Accoustic hood	***Foul Smell Coming Out***	No
Air Sampling Facility Details	Sampling ports, Platform & Ladder are provided.		

D.G. Set Details

Description	Capacity(KVA)	Remarks
DG Set	630	Stack, Accoustic hood & Sampling ports, Platform & Ladder are provided.

Hazardous Waste Generation

Hazardous Waste	Quantity	UOM	Treatment	Disposal	Other Details

CHWTSDF Details

Member of CHWTSDF	CHWTSDF Name	Remarks

Cess Details

Cess Applicable	Cess Paid	If Yes, UpTo
No	No	Jan 1 1900 12:00:00:000AM

Legal Actions

Legal Action Taken	Legal Record Of Company	Legal Action Details	Remarks
No			

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LARSEN & TOUBRO LIMITED

Registered Office: L&T House, Ballard Estate, Mumbai 400 001
CIN: L99999MH1946PLC004768
www.Larsentoubro.com

Public Notice

All the concerned persons including environmental groups and others stake holders are hereby informed that the Department of Environment, Government of Maharashtra has accorded Environmental Clearance to M/s **Larsen & Toubro Limited**, L&T House, N.M. Marg, Ballard Estate, Mumbai, Maharashtra for IT Building located at CTS No.112 & 115 of Village Tungwa and CTS No. 86 & 87 of Village Paspoli, Saki-Vihar Road, Powai, Mumbai 400 072 vide File No: SEAC-2014/CR-151/C-1 dated 28th January 2016.

The copy of clearance letter is available with the Maharashtra State Pollution Control Board and may also be seen on the website of the Environment Department, Maharashtra at http://ec.maharashtra.gov.in.

M/S LARSEN & TOUBRO LIMITED
L&T House, N.M. Marg, Ballard Estate, Mumbai – 400 001, Maharashtra

नवशक्ति
मुंबई, शनिवार, ६ फेब्रुवारी २०१६

जाहिर सूचना

महाराष्ट्र सरकार पर्यावरण विभाग रूम नं. 217, दुसरा मजला, मंत्रालय विस्तारीत, मुंबई – 400 032 यांनी त्यांच्या पत्र क्र. SEAC-2014/CR-151/C-1 दिनांक 28 जानेवारी 2016 या द्वारे मे. लार्सन अॅन्ड टुब्रो लि. यांच्या सी.टी.एस. नं. 112 व 115, विलेज तुगंवा आणि सी.टी.एस. नं. 86 व 87, गाव पासपोली, तालुका कुर्ला, साकी विहार रोड, पवई, मुंबई, महाराष्ट्र राज्य येथील माहिती तंत्रज्ञान इमारत बांधण्यासाठी पर्यावरण विषयक परवानगी दिली आहे.

सदर परवानगीच्या प्रती महाराष्ट्र शासन, पर्यावरण विभाग, मंत्रालय व महाराष्ट्र राज्य प्रदुषण नियंत्रण मंडळाकडे उपलब्ध आहेत. त्याच प्रमाणे http://ec.maharashtra.gov.in या वन व पर्यावरण मंत्रालयाच्या वेबसाईटवर पाहू शकता.

संचालक
मेसर्स. लार्सन अॅन्ड टुब्रो लिमिटेड,
एल अॅन्ड टी हाउस,
एन. एम. मार्ग,
बॅलार्ड इस्टेट, मुंबई – 400 001

SITE PHOTOGRAPHS

Core & Shell works in progress

27M Road works in progress

Residential works in progress

Site Barricading

Basic Facilities for Construction Work force

Features:

1. Labour Camps – No labour stationed at site.
2. Sanitary Measures
3. First-aid and emergency facilities.
4. Adequate drinking water facilities.
5. Personal protective equipment (by owner/ contractor).
6. Safety Park.
7. Adequate illumination levels in construction work areas.
8. Regular Health Checkup & Ambulance Facility
9. Regular sanitization of Toilets, Labor camps, site office and stores

Basic Facilities for Construction Work force

Safety Park

PPE's

Basic Facilities for Construction Work force

Worker's safety induction and Trade base training

Basic Facilities for Construction Work force

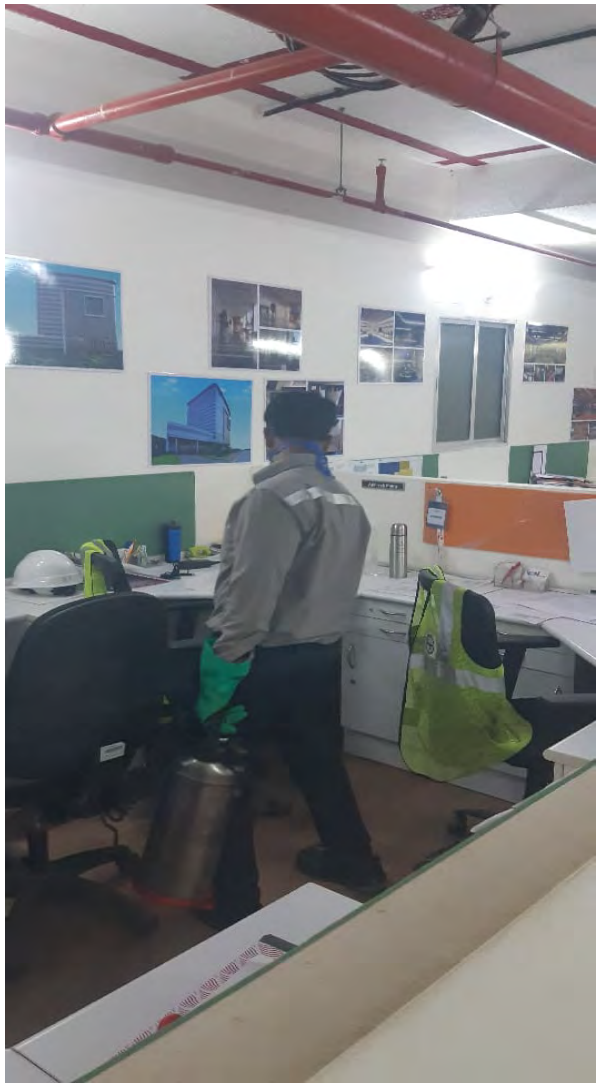
Safety Signages

Wash basins and Urinals

Fogging to Maintain good Health and Hygiene.


AMBULANCE
MH.43.5235

Weekly disinfection Site office and Stores




SAFETY IS IN OUR DNA
Zero Harm is our mission
Celebrating L&T Safety Day - 4th July 2022
HHL's Birth Anniversary
15


Elixir Reserve