

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

SEAC-2013/CR-535/TC-1
Environment department
Room No. 217, 2nd floor,
Mantralaya Annexe,
Mumbai- 400 032.
Dated: 15th March, 2016

To,
M/s. Man Realty Ltd,
101, MAN House, Opp. Pawan Hans,
S.V. Road, Vile Parle (W),
Mumbai- 400056-

Subject: Environment clearance for proposed "One Park Avenue" residential project on plot bearing CTS No. 99-B (part), 114/4 & 115/2 at Ghodbunder Road, village Koishet, Dist. Thane.

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-II, Maharashtra in its 40th meeting and recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 95th meeting.

2. It is noted that the proposal is considered by SEAC-II under screening category 8(a) B2 as per EIA Notification 2006.

Brief Information of the project submitted by you is as-

Name of The Project	"One Park Avenue" Residential Project
Project Proponent	Man Global Ltd., Mumbai
Consultant	M/s. Enviro Analysts & Engineers Pvt. Ltd.
Accreditation of consultant (NABET Accreditation)	QCI-NABET LIST for the Construction Project/ Area Development Project/Township: NABET Accreditation
Type of project: Housing project / Industrial Estate/SRA scheme / MHADA /Township or others	Housing project
Location of the project	Plot bearing S.No.99/2, S.No.114/4, and S.No.115/2 at Ghodbunder Road, Village Koishet, Taluka & District-Thane
Whether in Corporation/ Municipal / other area	Thane Municipal Corporation
Applicability of the DCR	Thane Municipal Corporation (1991 amended till date)
Note on the initiated work	Not Applicable

(If applicable)	Not Applicable		
NOC / Other approvals (If applicable)	Not Applicable		
Total Plot Area (sq. m.)	Sr. No	Particular	Area (in Sqm)
Deductions	1	Area of plot	51,659.67
Net Plot area	2	Deductions	15198.18
	3	Net Plot Area :	30991.46
Permissible FSI (including TDR etc.)	64928.00 Sq. m		
Proposed Built-up Area (FSI & Non-FSI)	FSI Area	Non FSI Area	Total Construction Area
	64928.00 Sq. m.	84190.00 Sq. m	149118.00 Sq. m
Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	21847 Sq. m (42.30 %)		
Estimated cost of the project	Rs. 250 Crores		
No. of building & its configuration(s)	Building	Configuration	
	Tower - 4	Basement + 2 podium + Part Stilt + 31 Floors	
	Tower - 5	Basement + 2 podium + Part Stilt + 31 Floors	
	Tower - 1	Basement + 2 podium + Part Stilt + 31 Floors	
	Tower - 2	Basement + 2 podium + Part Stilt + 31 Floors	
	Tower - 3	Basement + 2 podium + Part Stilt + 31 Floors	
	Tower - 6	Basement + 3 podium + Stilt + 25 Floors	
Number of tenants and shops	1188 Nos		
Number of expected residents / users	5940 Nos		
Tenant density per hectore	230/hectare		
Height of the building(s)	110 m (92.0m from podium top level) (max)		
Right of way (Width of the road from the nearest fire station to the proposed building(s))	12.00 m wide service roads of Ghodbunder road		
Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	12.00 m radius		
Existing structure(s)	Nil		
Details of the demolition with disposal (If applicable)	Not Applicable		
Total Water Requirement	Dry Season Source : TMC/ Treated water from STP		
	Particulars	Qty (KLD)	
	Fresh Water	534	

	Recycled Water	311	
	Total Water Requirement	845	
	Fire Fighting (Cum)	300	
	Wet Season: Source : TMC/RWH/ treated water from STP		
	Fresh Water	534	
	Recycled Water	267	
	Total Water Requirement	801	
	Fire Fighting (Cum)	300	
Rain Water Harvesting (RWH)	Level of Ground Water Table	3.50m	
	Size and Quantity of RWH tank(s)	240 CUM	
	No of RWH tank(s)	1 No's	
	Location of the RWH tank(s)	Ground level	
	Percolation Pits not provided		
	Budgetary allocation (Capital cost and O&M cost)		
	Capital cost	Rs 42 lakhs	
UGT tanks	O&M cost	Rs 6 lakhs	
	Particulars	Capacity (CUM)	
	Domestic Water Tank	524	
	Flushing Water Tank	356	
	Fire Water Tank	300	
	Rain Water Harvesting Tank	240	
	Location of tank	Basement level	
Storm water drainage	Particulars		
	Quantity of storm water	0.55 m ³ /sec	
	Size of SWD	0.45 m x 0.30 m	
	Natural Water Drainage Pattern	south to north	
Sewage and Waste water	Sewage generation	749 KLD	
	STP technology	MBBR	
	Capacity of STP	750 KLD	
	Location of the STP	Ground level	
	DG sets (during emergency)	2 x 320 KVA	
	Budgetary allocation (Capital cost and O&M cost)		
	Capital cost	Rs 113 lakhs	
O&M cost	Rs 28 lakhs		
Solid waste Management	Waste generation in the Pre Construction and Construction phase		
	Scrap metal (48 tonnes) and other recyclable material like empty cement bags (800000 bags) and empty paint cans (7000 nos) to be sold to recyclers.		
	Broken tiles (2730 sqm) to be used as china mosaic for proofing of terraces and skirting purpose.		
	Sr.no	Particulars	Quantity (Kg/day)
	1	Bio Degradable Waste	1782
	2	Non Bio Degradable waste	1188

3	Total Waste	2970												
4	E-waste	Not Applicable												
5	Hazardous waste	Not Applicable												
6	Biomedical waste	Not Applicable												
7	STP sludge	46												
<p>Mode of Disposal of Wastes: Dry waste: Will be hand over to Local Recyclers for recycling Wet Waste: Will be processed in the OWC, manure obtained shall be used for landscaping / Gardening, excess manure shall be sold to nearby end users E-Waste: Not Applicable Hazardous Waste: Not Applicable Biomedical Waste: Not Applicable STP-Sludge (Dry Sludge): to be used as manure & replacement of saw dust for OWC</p>														
Sr. no.	Description	Area (sqm)												
1	OWC converter	14												
2	Curing system	28												
3	Raw material	94												
4	Dust Bin	53												
5	Total Area	189												
6	Bins (nos.) (Black + Green)	48												
Location: Ground level														
Budgetary allocation (Capital cost and O&M cost)														
Capital Cost		Rs 10 lakhs												
O & M Cost		Rs 8 lakhs												
Green Belt Development	<p>Recreation Ground Area provided : 9286.79 Sq. m Total 30 % of R.G provided.</p> <p>Number and list of trees species to be planted in the RG =500 No's Number and list of trees species to be planted around the border of nallah / stream / pond (If any): NA</p> <p>Number, size, age and species of trees to be cut, trees to be transplanted : There are 58 no. of trees on site.</p>													
Entry	<p>Power Supply: Connected Load: 7968 KW Maximum Demand: 4751 KW DG set will be provided for backup power to emergency facilities. DG set: 2x320 KVA Energy saving by non-conventional method:</p> <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Items</th> <th>Total Electrical Demand Conventio nal Case</th> <th>Electrical Load after using Energy Saving Means (Kw)</th> <th>Units Saved (kw)</th> <th>Energy Saving</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		Sr. No.	Items	Total Electrical Demand Conventio nal Case	Electrical Load after using Energy Saving Means (Kw)	Units Saved (kw)	Energy Saving						
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		(Kw)			
Energy Saving Parameters					
1	Road/Landscape -60% Solar Lighting	10	4	6	60%
2	Parking-T5 Lights	55	41	14	25%
3	Lobby & Staircase LED Lights-60% Solar	36	14	21	60%
4	Lifts with VFD and regenerative type	338	270	68	20%
5	Club house/main lobby's	50	40	10	20%
6	Plumbing System Load	522	311	211	40%
7	Ventilation Fan with VFD	609	458	151	25%
8	Solar Hot Water System	3474	1737	1737	50%
Conventional Loads					
9	Flats	5211	5211		
10	OWC	25	25		
11	STP	50	50		
12	Fresh Air Fan	23	23		
Total		10,102	8,184	2,218	
Overall saving for the project			21.3%		
COMPLIANCE OF THE ECBC GUIDELINES:					
Compliance with Energy Conservation Building Code, 2007					
Sl. No.	Section No.	ECBC Requirement	Compliance Met By		
Electrical Units saving parameters (Calculation-based)					
1	6.2.1	Solar water heating for minimum 20% design	Total hot water requirement met through Centralized solar system.		

		capacity	
2	7.2.1.4	Exterior lighting to be within specified limits	1) 60% lighting including for Road, Landscape & garden shall be kept on solar system. 2) Also other Lights provided on Energy saving luminaries like LED instead of metal halide lamps. 3) Provided with Time switch to be kept operational only during night mode
3	7.3.1	Interior lighting power to be within specified limits	1) For staircases the lighting power Density shall be less than 0.2 W/sqft by using LED lights instead of CFL or T8. 2) For Lobby, use of LED would ensure power density of less than 1.3 w/sqft 3) 60% of Lobby & Staircase Lights shall be put on Solar PV Panels.
4		Lifts with Regenerative System	Using Regenerative Type Lift system that would result in 20% energy saving compared to conventional lifts.
5		VFD for Fans	The Ventilation fans shall be equipped with VFD to ensure optimised electrical consumption based on Load/smoke generation
<i>Infrastructure based energy conservation measures</i>			
6	8.2.1.2	Transformer Monitoring	Voltmeters/Ammeters for monitoring transformer performance & losses
7	8.2.2	Energy efficient motors	All motors used in pumps or services like water tanks, STP shall be of class I category that have efficiency as per IS 2615.
8	8.2.3	Power Factor correction	Designing capacitor Banks to improve Power Factor from 0.95 to 1
9	8.2.4	Energy Metering	Energy Meters for External Lighting, All water Pumps for Monitoring
10	8.2.5.1	Cable sizing to min. losses	Electrical cables of derated capacity to avoid heating during working thereby minimising the current losses.
11		BEE star rated equipment's	AC's in Main Lobby & Clubhouse shall all be 5 star rated
<p>Budgetary allocation (capital cost and O&M cost) - Capital Cost : Rs 165 lakhs O & M Cost : Rs. 25 lakhs DG Set: DG sets= 2 x 320 KVA Number and capacity of DG sets to be used: Type of fuel used: HSD.</p>			
Environmental Management plan		EMP for construction phase.	
Budgetary Allocation			
Sr. No	Particulars	Cost (Rs. Lakhs/yr)	

1	Water sprinkling	2.5					
2	Health, safety & first aid facility	8					
3	Sanitary facility and waste water management	3.5					
4	Environmental Monitoring	6					
	Total	20					
<p>EMP for Setting-up Cost EMP for operation phase:</p>							
Sr. No.	Method Adopted	Setting-up Cost (Rs Lakhs)					
1	STP Cost	113					
2	Solid Waste Management	10					
3	Rain water harvesting	42					
4	Energy Saving	163					
5	Landscape	25					
	Total	355					
Sr. No.	Method Adopted	Operational and Maintenance Cost (Rs. Lakhs/Annum)					
1	STP Cost	28					
2	Solid Waste Management	8					
3	Rain water harvesting	6					
4	Energy Saving	25					
5	Landscape	3					
	Total	70					
<p>Quantum and generation of Corpus fund and commitment: After occupancy, Co-op societies will form. The societies will form federation. The operation & maintenance of environmental management facilities (EMF) shall be taken care by the developers till the society is formed. Afterwards, EMF shall be handed over to society/federation. funds for recurring cost on EMP shall be generated from the tenants of the society by specifically mentioning in the sale agreement.</p>							
Traffic Management	<p>No of Junction to the main road and design of confluence: The proposed project is connected by 60.0 m wide G.B road and 40.0 m wide DP road Parking details: Proposed four & two wheeler parking provided as per the TMC DCR-</p> <table border="1"> <tr> <td>Parking</td> <td>1 Parking for every 2</td> <td>1 Parking for every 1</td> <td>2 Parking for every one</td> <td>Total</td> </tr> </table>		Parking	1 Parking for every 2	1 Parking for every 1	2 Parking for every one	Total
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	required	tenement 35 Sq. m to 50 Sq. m		tenement 50 Sq. m to 75 Sq. m		tenement 75 Sq. m and above		Tenements	Parking
		Tenements	Parking	Tenements	Parking	Tenements	Parking		
Block 4	--	--	--	115	115	60	120	175	235
Block 5	--	--	--	115	115	60	120	175	235
Block 1	--	--	--	115	115	60	120	175	235
Block 2	62	62/2=31		176	176	--	--	238	207
Block 3	62	62/2=31		176	176	--	--	238	207
Block 6	187	187/2=93		--	--	--	--	187	93
Total	311	155		697	697	180	360	1188	1212

One car park per 2 tenement with BUA between 35 Sq. m to 50 Sq. m of area	311/2=155
One car park per tenement with BUA between 50 Sq. m to 75 Sq. m of area	697x1=697
Two car parking's for BUA between 75 Sq. m of area and above	180x2=360
Total	1212
10% visitors parking	121
Total Parking required	1333
Total Parking provided	1333
Two wheeler parking provided	1188

CRZ/RRZ Clearance obtain, if any	Width of all Internal roads (m): 6m wide internal roads Not Applicable
Distance from Protected Area/Critically Polluted area/Eco-sensitive areas /inter-State boundaries	Not Applicable

3. The proposal has been considered by SEIAA in its 95th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:

General Conditions for Pre-construction phase:-

- (i) This environmental clearance is issued subject to restricting the total built up area to 45,772.35 Sq.m as approved by Local Planning Authority.
- (ii) This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any Judgments/orders issued by Hon'ble High Court, Hon'ble NCI, Hon'ble Supreme Court regarding DCR provisions, environmental issues applicable in this matter should be verified. PP should submit exactly the same plans appraised by concern SEAC and SEIAA. If any discrepancy found in the plans submitted or details provide! in the above para may be reported to environment department. This environmental clearance issued with respect to the environmental consideration and it does not mean that State Level Impact Assessment Authority (SEIAA) approved the proposed land use.
- (iii) E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2011.
- (iv) Occupation certificate shall be issued to the project by Local Planning Authority only after ensuring availability of drinking water and connectivity of the sewer line to the project site.
- (v) This environmental clearance is issued subject to obtaining NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for Wild life as if applicable & this environment clearance does not necessarily implies that Forestry & Wild life clearance granted to the project which will be considered separately on merit.
- (vi) PP has to abide by the conditions stipulated by SEAC & SEIAA.
- (vii) The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.
- (viii) "Consent for Establishment" shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site.
- (ix) All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.

General Conditions for Construction Phase-

- (i) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche and First Aid Room etc.

- (ii) Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
- (iii) The solid waste generated should be properly collected and segregated. dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
- (iv) Disposal of mud during construction phase should 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.
- (v) Arrangement shall be made that waste water and storm water do not get mixed.
- (vi) All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
- (vii) Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
- (viii) Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
- (ix) Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.
- (x) Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.
- (xi) Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.
- (xii) The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.
- (xiii) The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.
- (xiv) 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 and should be operated only during non-peak hours.
- (xv) Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be

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closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/MPCB.

- (xvi) Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations).
- (xvii) Ready mixed concrete must be used in building construction.
- (xviii) The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of firefighting equipment's etc. as per National Building Code including measures from lighting.
- (xix) Storm water control and its re-use as per CGWB and BIS standards for various applications.
- (xx) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- (xxi) The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.
- (xxii) The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.
- (xxiii) Permission to draw ground water and construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.
- (xxiv) Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.
- (xxv) Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.
- (xxvi) Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.
- (xxvii) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.

(xxvii) Energy conservation measures like installation of CFLs /TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible like installing solar street lights, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional energy source as source of energy.

(xxix) Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.

(xxx) 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.

(xxxi) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.

(xxxii) Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspiration for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.

(xxxiii) The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.

(xxxiv) Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.

(xxxv) Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.

(xxxvi) Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.

General Conditions for Post- construction/operation phase-

- (i) Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SELAA meeting, PP to explore possibility of utilizing excess treated water in the adjacent area for gardening before discharging it into sewer line. No physical occupation or allotment will be given unless all above said environmental infrastructure is installed

and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained.

- (ii) Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises. Local authority should ensure this.
- (iii) Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.
- (iv) A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.
- (v) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.
- (vi) A separate environmental management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
- (vii) Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.
- (viii) The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <http://ec.maharashtra.gov.in>.
- (ix) Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
- (x) A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation 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, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sector 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 project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.

- (xiii) 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. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.
 5. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environmental Clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.
 6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.
 7. **Validity of Environment Clearance:** The environmental clearance accorded shall be valid for a period of 7 years as per MoEF&CC Notification dated 29th April, 2015.
 8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.
 9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.
 10. Any appeal against this environmental clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D, Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.


(Mahini Shankar)
Member Secretary, SEIAA

Copy to:

1. Shri. R. C. Joshi, IAS (Retd.), Chairman, SEIAA, Flat No. 26, Belvedere, Bhulabhai desai road, Brench candy, Mumbai- 400026.

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2. Shri. Johny Joseph, Chairman, IAS (Retd.), SEAC-II, office of the Lokayukta and New Up- Lokayukta, New Administrative Building, 1st floor, Madam Cama Road, Mumbai.
3. Additional Secretary, MOEF, MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
4. The CCF, Regional Office, Ministry of Environment and Forest (Regional Office, Western Region, Kendrya Paryavaran Bhavan, Link Road No- 3, E-5, Ravi-Shankar Nagar, Bhopal- 462 016). (MP).
5. IA- Division, Monitoring Cell, MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
6. Managing Director, MSEDCL, MG Road, Fort, Mumbai.
7. Collector, Thane.
8. Commissioner, Municipal Corporation, Thane (TMC)
9. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.
10. Regional Office, MPCB, Thane
11. Select file (IC-3)

(EC uploaded on 15/03/2016)

1. The first part of the document discusses the importance of maintaining accurate records of all transactions.

2. It then goes on to describe the various methods used to collect and analyze data.

3. The next section details the results of the study, showing a clear correlation between the variables.

4. Finally, the document concludes with a summary of the findings and recommendations for future research.

5. The appendix contains the raw data and the statistical tables used in the analysis.

6. The bibliography lists the sources used in the study, including books, articles, and reports.

7. The index provides a quick reference to the various sections of the document.

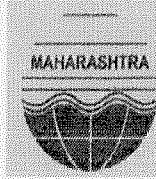
8. The glossary defines the key terms used throughout the study.

9. The acknowledgments section thanks the individuals and organizations that supported the research.

10. The final section contains the author's contact information and a statement of copyright.

MAHARASHTRA POLLUTION CONTROL BOARD

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Visit At : <http://mpcb.gov.in>



Kalpataru Point, 3rd & 4th floor, Sion- Matunga
Scheme Road No. 8, Opp. Cine Planet Cinema, Near
Sion Circle, Sion (E),
Mumbai - 400022

Infrastructure /Orange/LSI

Consent order No: Format1.0/BO/RO-HQ/UAN No.0000035439/CE/CC-

1803001509
Date-31/03/2018

To,
M/s. Man Realty Ltd.,
"One Park Avenue", S.No.99/2, S.No.114/4 and S. No. 115/2,
Ghodbundar Road, Village-Kolshet, Tal & Dist-Thane.

Subject: Consent to Establish for Building/Construction Project. Orange Category.

Ref : Minutes of Consent Committee meeting held on 12/02/2018.

Your application MPCB-CONSENT-0000035439
Dated: 29/10/2017

For: Consent to Establish for Building/Construction 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 and Other Wastes (M & TM) Rules, 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. The consent is granted for a period up to commissioning of the project or of 5 years whichever is earlier.
2. The proposed capital investment of the project is Rs. 250.05 Crs. (As per C. A. Certificate submitted by project proponent)
3. The Consent to Establish is valid for construction of Residential Building Project named as M/s. Man Realty Ltd, "One Park Avenue", S.No.99/2, S.No.114/4 and S. No. 115/2, Ghodbundar Road, Village-Kolshet, Tal & Dist-Thane for total plot area of 51,659.67 Sq. Mtrs and total construction build up area 45,772.35 Sq.Mtrs (As per mentioned in EC dtd. 15/03/2016) 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	NA
2.	Domestic effluent	749.0	As per Schedule -I	60% should be reused & recycled and remaining should be discharged in municipal sewer

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

Sr. No.	Description of stack/ source	Capacity	Number Of Stack.	Standards to be achieved
1	DG Set	320 KVA*2	2	As Per Schedule -II

6. Conditions under Solid Waste Management Rules, 2016:

Sr. no.	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Wet garbage	1782.0 Kg/Day	OWC	Used as Manure
2	Dry garbage	1188.0 Kg/Day	--	Segregate and Hand over to Local Body for recycling
3	STP Sludge	46.0 Kg/Day	--	Used as Manure

7. Conditions under Hazardous and Other Wastes (M & TM) Rules, 2016 for treatment and disposal of hazardous waste; NIL.
8. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same should 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. Project Proponent shall comply the Construction and Demolition Waste Management Rules, 2016 which is notified by Ministry of Environment, Forest and Climate Change dtd.29/03/2016.
11. Project Proponent shall submit an affidavit in Board's prescribed format within 15 days regarding the compliance of conditions of EC/CRZ clearance and C to E.
12. Project Proponent shall install online monitoring systems for BOD, TSS and flow at the outlet of STP.
13. The applicant should comply conditions stipulated in Environmental Clearance granted by GOM vide SEAC-2013/CR-535/TC-1 dtd. 15/03/2016.

For and on behalf of the
Maharashtra Pollution Control Board

(Dr. P.Anbalagan, IAS)
Member Secretary

Received Consent fee of -

Sr. No.	Amount (Rs.)	Transaction No.	Date	Drawn On
1	5,00,100.0	TXN1711000595	07/11/2017	Online Payment

Copy to:

1. Regional Officer, MPCB, Thane and Sub-Regional Officer, MPCB, Thane-I. -- 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.

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

- 1) A] As per your application, you have proposed to install of Sewage Treatment Plants (STP) with the design capacity of 750 CMD
- 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	50
03	COD	100

- C) The treated effluent shall be 60% recycled for secondary purposes such as toilet flushing, air conditioning, firefighting, on land for gardening etc and remaining shall be discharged in to the municipal sewerage system.
- D] Project proponent shall operate STP for five years from the date of obtaining occupation certificate.

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 should 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

- 2) The industry should 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.
- 3) In case, the water consumption of the project is not covered under the water consumption of local body, in that situation, the project proponent should 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 should 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.	Domestic purpose	845.0

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 %	SO ₂
1	DG Set (320 KVA*2)	Acoustic enclosure	4.0	HSD	80.0	Kg/Hr	--	--

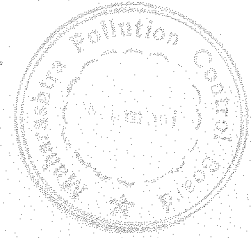
* Above roof of the building in which it is installed.

2. The applicant should 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 .
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3. The Applicant should 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.

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 Date
1	Consent to Establish	Rs. 10 lakh	15 Days	Towards compliance of consent conditions	Upto Commissioning of the project	Five years
2	Consent to Establish	Rs. 25 lakh	15 Days	Towards not to do violation in future	Upto Commissioning of the project	Five years



Maharashtra Pollution Control Board

Schedule-IV

General Conditions:

The following general conditions should apply as per the type of the industry.

- 1) The applicant should 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 should pay to the Board for the services rendered in this behalf.
- 2) The firm should strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and environmental protection Act 1986 and Solid Waste Management Rules, 2016 and E-Waste (Management) Rules, 2016.
- 3) Drainage system should be provided for collection of sewage effluents. Terminal manholes should be provided at the end of the collection system with arrangement for measuring the flow. No sewage should be admitted in the pipes/sewers downstream of the terminal manholes. No sewage should 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) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) should 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) The industry should take adequate measures for control of noise levels from its own sources within the premises in respect of noise to less than 55 dB(A) during day time and 45 dB(A) during the night time. Day time is reckoned between 6 a.m. to 10 p.m and night time is reckoned between 10 p.m to 6 a.m.
 - d) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
 - 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 should 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 should comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel.
- 6) Solid Waste - The applicant should provide onsite municipal solid waste processing system & should comply with Solid Waste Management Rules, 2016 & E-Waste (M) Rules, 2016.
- 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) The industry should submit official e-mail address and any change will be duly informed to the MPCB.
- 9) The firm should 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.
- 10) **The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before commissioning of the project.**

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437
Fax: 24023516
Website: <http://mpcb.gov.in>
Email: cac-cell@mpcb.gov.in



Kalpataru Point, 2nd and
4th floor, Opp. Cine Planet
Cinema, Near Sion Circle,
Sion (E), Mumbai-400022

Infrastructure/RED/L.S.I

No:- Format1.0/CC/UAN No.0000166782/CE/2306000172

Date: 02/06/2023

To,
M/s. MAN REALTY LIMITED,
One Park Avenue, S. No. 99/2, S.No 114/4
and S.No 115/2, Ghodbunder Road,
Village-Kolshet, Thane (W).Tal & Dist:
Thane



Sub: Revalidation of Consent to Establish for Building Construction Project Granted Under Red Category

- Ref:**
1. Consent to Establish Granted vide No. Format1.0/BO/RO-HQ/UAN No.035439/CE/CC-1803001509 dtd. 31.03.2018
 2. Environment Clearance Granted vide No. SEAC-2013/CR-535/TC-1, dtd. 15.03.2016
 3. Minutes of 5th Consent Committee Meeting held on 12.05.2023.

Your application NO. MPCB-CONSENT-0000166782

For: grant of Consent to Establish 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 / Renewal of Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I,II,III & IV annexed to this order:

1. **The Revalidation of Consent to Establish is granted for a period upto commissioning of project or up to 15/03/2026 (Coterminous with validity period of Environmental Clearance dt: 15/03/2016)**
2. **The capital investment of the project is Rs.250.05 Cr. (As per C.A Certificate submitted by industry).**
3. **The Revalidation of Consent to Establish is valid for Building Construction Project named as M/s MAN REALTY LIMITED, One Park Avenue, S. No. 99/2, S.No 114/4 and S.No 115/2, Ghodbunder Road, Village-Kolshet, Thane (W).Tal & Dist: Thane on Total Plot Area of 51659.67 SqMtrs for Total construction BUA of 45772.35 SqMtrs as per EC granted dated 15.03.2016 including utilities and services**

Sr.No	Permission Obtained	Plot Area (SqMtr)	BUA (SqMtr)
1	Consent to Establish Granted dtd. 31.03.2018	51659.67	45772.35
2	Environment Clearance Granted dtd. 15.03.2016	51659.67	45772.35

4. **Conditions under Water (P&CP), 1974 Act for discharge of effluent:**

Sr No	Description	Permitted (in CMD)	Standards to	Disposal
1.	Trade effluent	Nil	NA	NA

Sr No	Description	Permitted	Standards to	Disposal
2.	Domestic effluent	749	As per Schedule - I	The treated effluent shall be 60% 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:**

Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
S-1	D.G. Set 320 KVA x 2 Nos	2	As per Schedule -II

6. **Conditions under Solid Waste Rules, 2016:**

Sr No	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Wet Garbage	1782 Kg/Day	OWC	Used as manure
2	Dry Garbage	1188 Kg/Day	segregate	Segregate and Hand over to local body for recycling
3	STP Sludge	48 Kg/Day	--	Used as manure

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for Collection, Segregation, Storage, Transportation, Treatment and Disposal of hazardous waste:**

Sr No	Category No.	Quantity	UoM	Treatment	Disposal
NA					

8. PP shall comply with the consent conditions & EC conditions and submit BG of Rs. 10 Lakhs towards compliance of the same.
9. PP shall install online monitoring system to the O/L of STP for monitoring pH, Flow, BOD, TSS.
10. The treated domestic effluent shall be 60 % recycled for secondary purpose such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall be utilized on land for gardening and connected to the sewerage system provided by local body.
11. Project Proponent shall provide Organic waste digester with composting facility or Bio-gas digester with composting facility.
12. Project Proponent shall make provision of charging port for Electric vehicles in at least 30% total available parking area.
13. PP shall comply with the provision of Construction & Demolition Waste management Rules 2016.
14. Project Proponent shall take adequate measures to control noise and dust emissions during construction phase.

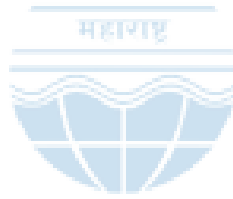
15. Project Proponent shall submit an affidavit in Board's prescribed format within 15 days regarding the compliance of conditions of C to E & EC.
16. Project proponent shall comply with the conditions stipulated in Environment Clearance granted by GOM, vide No. SEAC-2013/CR-535/TC-1, dtd. 15.03.2016
- . This consent is issued as per communication letter dated 03/11/2022 which is approved by competent authority of the board.

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	500100.00	TXN2304000786	12/04/2023	Online Payment

Copy to:

1. Regional Officer, MPCB, Thane and Sub-Regional Officer, MPCB, Thane I
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Sion, Mumbai



SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

- 1) A] As per your application, you have proposed to provide MBBR based Sewage Treatment Plants (STPs) of combined capacity **750 CMD for treatment of domestic effluent of 749 CMD.**
- B] The Applicant shall operate the sewage 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	Limiting concentration not to exceed in mg/l, except for pH
1	pH	5.5-9.0
2	BOD	10
3	COD	50
4	TSS	20
5	NH4 N	5
6	N-total	10
7	Fecal Coliform	less than 100

- C] The treated domestic effluent shall be 60% recycled for secondary purposes such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall be utilized on land for gardening and connected to the sewerage system provided by local body.
- 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) **The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act,1974 and as amended, and other provisions as contained in the said act.**

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	0.00
2.	Domestic purpose	845.00
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

- 5) The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time.

SCHEDULE-II

Terms & conditions for compliance of Air Pollution Control:

- 1) **As per your application, you have proposed to provide the Air pollution control (APC) system and also proposed to erect following stack (s) and to observe the following fuel pattern-**

Stack No.	Source	APC System provided/proposed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
1	D.G. Set (320 KVA*2)	Acoustic Enclosure	4.00	HSD 80 Ltr/Hr	1	SO2	38.4 Kg/Day

- 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.

Total Particular 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 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).
- 5) **Conditions for utilities like Kitchen, Eating Places, Canteens:-**

- a) The kitchen shall be provided with exhaust system chimney with oil catcher connected to chimney through ducting.
- b) The toilet shall be provided with exhaust system connected to chimney through ducting.
- c) The air conditioner shall be vibration proof and the noise shall not exceed 68 dB(A).
- d) The exhaust hot air from A.C. shall be attached to Chimney at least 5 mtrs. higher than the nearest tallest building through ducting and shall discharge into open air in such a way that no nuisance is caused to neighbors.

SCHEDULE-III

Details of Bank Guarantees:

Sr. No.	Consent(C2E/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Consent to Establish	10 Lakh	15 days	Towards Compliance of Consent conditions & O&M of Pollution Control Systems	Commissioning of the Unit	Commissioning of the Unit or Five Years

** 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.
Existing BG obtained for above purpose if any may be extended for period of validity as above.

BG Forfeiture History

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
NA						

BG Return details

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
NA				

SCHEDULE-IV

Conditions during construction phase

A	During construction phase, applicant shall provide temporary sewage and MSW treatment and disposal facility for the staff and worker quarters.
B	During construction phase, the ambient air and noise quality shall be maintained and should be closely monitored through MoEF approved laboratory.
C	Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time 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 Solid Waste Management Rule 2016, 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) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
 - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
 - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
 - f) D.G. Set shall be operated only in case of power failure.
 - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments 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 Solid Waste Management Rule 2016 & 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.

This certificate is digitally & electronically signed.
