



Date: 31st May 2022

To,
The Additional Director(s)
Regional Office (WCZ),
Ministry of Environment, Forest & Climate Change,
Ground Floor, East Wing, New Secretariate Building,
Civil Lines, Nagpur-440001, Maharashtra.

Sub: Submission of Environmental Clearance compliance for Redevelopment Project by,
Kolte Patil Developers Ltd (Mr. Niren Chaudhary) at CTS No. (S) 1016 of Pahadi
Goregaon – (W) Village in P/S ward Mumbai.

Ref: Environment Clearance No. SEIAA-EC-0000002252, Dated 26/03/2020

Respected Sir,

We are submitting the current Status of our construction work, monitoring reports, datasheet,
and pointwise environmental clearance compliance status to various stipulations laid down by
the Ministry of Environment and Forest in its Environment Clearance No. SEIAA-EC-
0000002252, dated 26 March 2020 along with the necessary enclosure and annexure.

This is for your kind consideration and records. Kindly acknowledge the same.

Thanking you,
Yours Sincerely,
For Kolte Patil Developers Ltd.

Authorized Signatory

KOLTE-PATIL DEVELOPERS LTD.

CIN : L45200PN1991PLC129428

Mumbai Off. : 1101, 11th floor, The Capital, Wing "B" Plot No. C-70, G - Block, Bandra-Kurla Complex, Bandra (East), Mumbai - 400051, India Tel.: +91 22 6177 0100
Pune Regd Off. : 2nd Floor, City Point, Dhule Patil Road, Pune - 411001, Maharashtra, India. Tel.: +91 20 6622 6500 Fax: +91 20 6622 6511 Web : www.koltepatil.com
Bangalore Off. : 121, The Estate Building, 10th floor, Dickenson Road, Bangalore - 560042, India Tel.: 080 - 4662 4444 / 2224 3135 / 2224 2803

SIX MONTHLY COMPLIANCE REPORT
(JUNE 2022)

Proposed Society Redevelopment Project

AT

CTS No. (S) 1016 of Pahadi Goregaon –
(W) Village in P/S ward Mumbai.

SUBMITTED BY

M/s. Kolte Patil Developers Ltd
(Mr. Niren Chaudhary)

INDEX

Sr No	Item Description	Page No
1	PART A	
	Current Status of Work	4
2	PART B	
	Pointwise completion Status	6
3	PART C Enclosure	
	I	
	Part I	
	Data Sheet	
	Part I	15
	Part II	19
	Part III	24
	Enclosure II	
	Copy of Environmental Clearance	26
	Enclosure III	
	Copy of Consent to Establish.....	38
4	PART D	
	Annexure 1	
	Sanitary and Hygiene Measures	48
	Annexure 2	
	Facilities provided to Labour Hutments	50
	Annexure 3	
	Monitoring Reports (Ambient Air, Water, Soil, Noise)	52
	Annexure 4	
	Copy of PUC Certificate	58
	Annexure 5	
	Copy of CER	
	Annexure 6	
	Debris Plan	
	Annexure 7	
	Water NOC	
	Annexure 8	
	Rain Water Harvesting Documents	
	Annexure 9	
	SWD	
	Annexure 10	
	Site Photographs	

PART A

CURRENT STATUS OF WORK

CURRENT STATUS OF WORK – JUNE 2022

Current Status Work of the project: “Proposed Society Redevelopment Project”

Sr. No.	No. of Buildings	Configuration	Status
1	Tower A	Wing A & B: Basement (pt) for services + Stilt/ Ground + 1st to 4th Podium + 1 st to 16th floor	Work in progress. Construction carried out on the ground till date by Kolte-Patil Developers Limited is 39,899.63 sq. mt. and which is within approved Built-up area of Environmental Clearance (EC) dated 26.03.2020.
2	Tower B	Wing C & D: Basement (pt) for services + Stilt/ Ground + 1st to 4th Podium + 1st to 27th floor	

PART B

POINT WISE COMPLIANCE STATUS

M/s. Kolte Patil Developers Ltd (Mr. Niren Chaudhary) Redevelopment Project at Mumbai

PARTB:

2. Point wise compliance status to various stipulations laid down by the Ministry in its Clearance Letter No. SEIAA-EC-0000002252 Dated 26.03.2020 are as follows:

Sl. No.	Condition	Status
	SPECIFIC CONDITIONS	
A.	SEAC Conditions	
I	As agreed by PP, demolition waste and concrete debris can be recycled for making paver blocks and use these to the possible in the project itself.	Noted and adhered. Debris Plan & NOC attached Annexure VI
II	PP to ensure that storm water drains should be of box channel & not of Pipe.	Noted and adhered.
III	PP to upload the storm water drain calculations.	Documents attached as Annexure VIII
IV	PP to abide by all conditions laid down by CFO vide letter dated 22/4/2019 & as by time to time.	Noted and Agreed.
V	The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundry. The planning authority to ensure fulfilment of this condition before granting CC.	Not Applicable. Aerial distance of Thane Creek Flamingo Sanctuary as per the Index Map of Mumbai Mangrove Conservation Unit is 13.00 Km. Hence NOC from NBWL are not applicable
VI	PP to submit CER prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project. The specific activities to be undertaken under CER to be carried out in consultation with Municipal Corporation or collector or Environment Department.	Noted and adhered.
VII	PP to ensure that CER plan gets approved from Municipal Commissioner.	Details are attached as Annexure V
VIII	PP shall comply with Standard EC conditions mentioned in the Office Memorandum issued by MoEF & CC vide F.No.22-34/2018-IA.III dt.04.01.2019.	Noted and adhered.
IX	SEIAA decided to grant EC for-FSI- 13117.18 m2, Non-FSI- 31262.09 m2 Total BUA- 44379.27 m2. (Plan Approval no- CHE/WSII?4343/P/5337 (NEW), dated- 17.02.2020)	Noted and adhered.
	General Conditions:	
I	E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.	E-waste is being handover to Autonomous enterprises.

M/s. Kolte Patil Developers Ltd (Mr. Niren Chaudhary) Redevelopment Project at Mumbai

II	The Occupancy Certificate shall be issued by the Local Planning Authority to the project only after ensuring sustained availability of drinking water, connectivity of sewer line to the project site and proper disposal of treated water as per environmental norms.	Noted & Agreed.
III	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.	Not applicable for the site.
IV	PP has to strictly abide by the conditions stipulated by SEAC & SEIAA.	Noted and adhered.
V	The height, Construction built up area of proposed construction shall be in accordance with the existingFSI/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.	Noted & Agreed.
VI	If applicable 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.	PP has obtained "Consent to Establish" Certificate from Maharashtra Pollution Control Board Vide No.: Format 1.0/CAC-CELL/UAN NO. 0000086659/CE-2012000317 dated 07/12/2020 Please refer the Enclosure II .
VII	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	Complied, Sanitary facilities such as toilets, wash basin for ladies and Gents are provided on site. Photographs attached as Annexure II
VIII	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.	Yes, noted Drinking water is provided for labourers on site, Mobile toilets have been provided which are cleaned time to time. Please refer the Annexure I
IX	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.	The solid waste generated during construction phase will segregated and handed over to authorized dealer for further disposal.
X	Disposal of muck 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	Noted and Obeyed. Separate waste water and storm lines are laid and precaution is made to avoid mixing of these two pipelines.

M/s. Kolte Patil Developers Ltd (Mr. Niren Chaudhary) Redevelopment Project at Mumbai

	people, only in approved sites with the approval of competent authority.	
XI	Arrangement shall be made that waste water and storm water do not get mixed.	Separate arrangement (separate line) will be provided for the disposal of storm water and drainage water.
XII	All the topsoil excavated during construction activities should be stored for use in horticulture/ landscape development within the project site.	The excavated top soil has been reused in landscape development. Quantity of excavated top soil 1200cu.m.
XIII	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.	Excavated top soil will be stored & will be used in landscaping.
XIV	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.	Noted and agreed. Total RG Area: 1675 .00 Sq. m. Transplantation done on: 1260.00 Sq. m. No. of new trees planted: 136 nos
XV	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.	Soil Analysis Report was attached. Please refer the Annexure III
XVI	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.	We are not using any bituminous material/ hazardous material of any type at the site.
XVII	Any hazardous waste generated during construction phase should be disposed of as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.	Not applicable at this stage.
XVIII	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.	The acoustically enclosed diesel type generator sets which use low Sulphur diesel will be used which confirms to Environment (protection) Rules prescribed for air and noise emission standards.
XIX	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.	DG sets are using only power failure since there is no storage of diesel at site as on when required we refilled it.
XX	Vehicles hired for transportation of Raw material shall strictly comply the emission norms prescribed by Ministry of Road Transport & Highways Department. The vehicle shall be adequately covered to avoid spillage/ leakage.	Noted & agreed. The PUC checked / Authorise vehicles were allowed on site for transfer of material. Attached as per Annexure IV
XXI	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 closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction	Adequate measures shall be made to reduce ambient air and noise level during construction phase. PP have provided fencing from all sides. Care has been taken to maintain the noise level within the limits at site.

M/s. Kolte Patil Developers Ltd (Mr. Niren Chaudhary) Redevelopment Project at Mumbai

	phase, so as to conform to the stipulated standards by CPCB/MPCB	Air and Noise Monitoring reports are enclosed as per Annexure
XXII	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).	Not Applicable
XXIII	Ready mixed concrete must be used in building construction.	Ready mix concrete is being used in construction
XXIV	Storm water control and its re-use as per CGWB and BIS standards for various applications.	Will be complied with (we are providing internal SWD all along the site and kept the provision for Rain water harvesting. rain water harvesting documents is attached as per Annexure IX
XXV	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	To reduce consumption of water in concrete, we have used water reducing admixtures and curing agents/ hessian cloth has been used to reduce water required for curing purposes.
XXVI	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.	Noted
XXVII	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. Treated effluent emanating from STP shall be recycled/ reused to the maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.	Noted & we will comply Construction of STP not yet to start.
XXVIII	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.	No ground water shall be extracted for the project.
XXIX	Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.	Dual plumbing line is provided for separation of Grey and Black water.
XXX	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.	We will use water efficient technologies in the project to reduce water consumption. We have installed Low flow fixtures for tap faucets.
XXXI	Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning.	Noted & we will comply

M/s. Kolte Patil Developers Ltd (Mr. Niren Chaudhary) Redevelopment Project at Mumbai

	If necessary, use high quality double glass with special reflective coating in windows.	
XXXII	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.	We will comply
XXXIII	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.	Noted & will comply
XXXIV	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 is preferred. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.	Noted and agreed.
XXXV	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.	During construction phase -Noise levels are monitored at the boundary of the project and are within the prescribed parameters. Construction activity is limited during day time.
XXXVI	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.	Noted. We have planned entry & exit point accordingly, so as to avoid congestion.
XXXVI I	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.	Noted.
XXXVI II	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	The minimum distance between buildings is 58.88 meters (wing AB to CD) are maintained as per DC rules. Adequate light

M/s. Kolte Patil Developers Ltd (Mr. Niren Chaudhary) Redevelopment Project at Mumbai

		and ventilation is also achieved.
XXXIX	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 by a separate environment cell/ designated person.	Noted & agreed. Regular supervision with a team of engineers and supervisors is deployed at site to monitor above aspects.
XL	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.	Noted. We have obtained EC. No. SEIAA-EC-0000002252 on dated 26.03.2020 Copy attached as Enclosure I
XLI	Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.	Noted
XLII	Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SEIAA 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.	Noted and adhered.
XLIII	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.	We will provided organic waste converter (OWC) facility.
XLIV	Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.	Not applicable.
XLV	A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.	Noted.
XLVI	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.	Noted.
XLVII	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Noted and adhered.
XLVIII	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.	Separate funds are allocated for implementation of EMP during construction phase and Operation phase. the fund which is allocated for environmental protection measures will not be diverted for any purpose. EMP report attached as Enclosure 1.

M/s. Kolte Patil Developers Ltd (Mr. Niren Chaudhary) Redevelopment Project at Mumbai

XLIX	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 .	Noted.
L	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.	Noted & complied
LI	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.	Noted
LII	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. SO ₂ , 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.	Noted and agreed
LIII	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.	Noted & agreed
LIV	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 by e-mail.	Noted and adhered.
4.	The environmental clearance is being issued without prejudice to the action initiated under EP Act or any	

M/s. Kolte Patil Developers Ltd (Mr. Niren Chaudhary) Redevelopment Project at Mumbai

	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.	Noted & agreed.
5.	In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.	PP has noted and agreed to follow the stipulated condition.
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.	Noted.
7.	Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, and amendments by MoEF&CC Notification dated 29th April, 2015.	Noted & agreed.
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.	There is no deviation
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 Waste (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.	Noted & agreed.
10.	Any appeal against this Environment 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.	Noted & agreed.

Please find the same enclosed along with this letter.

Please find all the above mentioned in order and kindly acknowledge the receipt of the same.

Thanking you,

Yours Sincerely,

For M/S. Kolte Patil Developers Ltd (Mr. Niren Chaudhary)

PART C

**(Datasheet with Enclosure No I, Enclosure No II and
Enclosure No III)**

ENCLOSURE NO.I

(Data Sheet in format with Part – I, Part – II
& Part – III)

M/s. Kolte Patil Developers Ltd (Mr. Niren Chaudhary) Redevelopment Project at Mumbai

Ministry of Environment & Forest
Western Region, Regional Office, Nagpur.

PART – I

DATA SHEET

1.	Project type: River - valley/ Mining / Industry / Thermal / Nuclear / Other (specify)	:	Residential Project								
2.	Name of the project	:	Proposed Society Redevelopment Project at CTS No. (S) 1016 of Pahadi Goregaon – (W) Village in P/S ward Mumbai								
3.	Clearance letter (s) / OM No. and Date	:	SEIAA Maharashtra vide letter No. SEIAA-EC-0000002252 dated 26 March 2020								
4.	Location	:	at CTS No. (S) 1016 of Pahadi Goregaon – (W) Village in P/S ward Mumbai								
	a. District (S)	:	Mumbai								
	b. State (s)	:	Maharashtra								
5.	Address for correspondence										
	a. Address of Concerned Project Chief Engineer (with pin code & Telephone / telex / fax nnumbers)		<table border="1"> <tr> <td>Name</td> <td>M/s. Kolte Patil Developers Ltd</td> </tr> <tr> <td>Regd. Office address</td> <td>502, 5th Floor, The capital building, Plot No. C70, G-Block, Bandra Kurla Complex, Bandra (east) Mumbai – 400051</td> </tr> <tr> <td>Contact number</td> <td>Contact Number: 7767011891</td> </tr> <tr> <td>e-mail</td> <td>shiva.pasare@koltepatil.com</td> </tr> </table>	Name	M/s. Kolte Patil Developers Ltd	Regd. Office address	502, 5th Floor, The capital building, Plot No. C70, G-Block, Bandra Kurla Complex, Bandra (east) Mumbai – 400051	Contact number	Contact Number: 7767011891	e-mail	shiva.pasare@koltepatil.com
Name	M/s. Kolte Patil Developers Ltd										
Regd. Office address	502, 5th Floor, The capital building, Plot No. C70, G-Block, Bandra Kurla Complex, Bandra (east) Mumbai – 400051										
Contact number	Contact Number: 7767011891										
e-mail	shiva.pasare@koltepatil.com										
6.	Salient features										
	a. of the project	:	PART –I								
	b. of the environmental management plans	:	PART –II								
7.	Breakup of the project area	:	Total Plot Area – 9,420.53 Sq. mt. Total Built-Up Area – 44379.27 Sq. mt.								
	a. Submergence area forest & non-forest	:	Not applicable								
	b. Others	:	PART –I								
8.	Break up of the project affected Population with enumeration of Those losing houses /dwelling units Only agricultural land only, both Dwelling units & agricultural Land & landless labourers/artisan	:	Not Applicable.								
	a. SC, ST/Adivasis	:	Not Applicable								
	b. Others (Please indicate whether these Figures are based	:									

M/s. Kolte Patil Developers Ltd (Mr. Niren Chaudhary) Redevelopment Project at Mumbai

		on any scientific And systematic survey carried out Or only provisional figures, it a Survey is carried out give details And years of survey)		Not Applicable
9.	Financial details		:	
	a.	Project cost as originally planned and subsequent revised estimates and the year of price reference:		
	1.	Total Cost of the Project	:	Rs. 392.0 crores
	b.	Allocation made for environ-mental management plans with item wise and year wise Break-up.	:	PART –III
	c.	Benefit cost ratio / Internal rate of Return and the year of assessment	:	--
	d.	Whether (c) includes the Cost of environmental management as shown in the above.	:	Yes
	e.	Actual expenditure incurred on the project so far	:	PART III
	f.	Actual expenditure incurred on the environmental management plans so far		PART III
10.	Forest land requirement		:	Not Applicable
	a.	The status of approval for diversion of forest land for non-forestry use	:	Not Applicable
	b.	The status of clearing felling	:	Not Applicable
	c.	The status of compensatory afforestation, if any	:	Not Applicable
	d.	Comments on the viability & sustainability of compensatory afforestation program in the light of actual field experience so far	:	Not Applicable
11.	The status of clear felling in Non-forest areas (such as submergence area of reservoir,		:	Not Applicable
12.	Status of construction		:	

M/s. Kolte Patil Developers Ltd (Mr. Niren Chaudhary) Redevelopment Project at Mumbai

	a.	Date of commencement (Actual and/or planned)	: 15.09.22
	b.	Date of completion (Actual and/or planned)	: 10.10.22
13.	Reasons for the delay if the Project is yet to start		: N. A.
14.	Dates of site visits		:
	a.	The dates on which the project was monitored by the Regional Office on previous Occasions, if any	: Not yet visited
	b.	Date of site visit for this monitoring report	: -
15.	Details of correspondence with Project authorities for obtaining Action plans/information on Status of compliance to safeguards Other than the routine letters for Logistic support for site visits)		: Not Applicable

M/s. Kolte Patil Developers Ltd (Mr. Niren Chaudhary) Redevelopment Project at Mumbai

PART I

PROJECT DETAILS

Name & Location	:	Proposed Society Redevelopment Project at CTS No. (S) 1016 of Pahadi Goregaon – (W) Village in P/S ward Mumbai
Total no. Of workers to be employed during the construction phase.	:	100 workers
Total Project cost	:	Rs. 392.0 crores
Project infrastructure	:	Proposed Society Redevelopment Project at CTS No. (S) 1016 of Pahadi Goregaon – (W) Village in P/S ward Mumbai
	:	Total Plot Area: 9,420.53 Sq. mt. Total Construction Area: 44379.27 Sq. mt.
Water Requirement and Sources	:	During Construction Phase - From Tankers: 20 m ³ /day (depending upon the activity) During Operational Phase - Total Water Requirement- 253 CMD
Sewage generated	:	Waste water Generation: 210 CMD
Power	:	During Construction Phase - 1. From MSEDCL: 100 KW Operational Phase - From MSEDCL connected load During Operation Phase(Connected Load) : 9464KW During Operation Phase (Demand Load): 4393KW DG Set 1 DG set of 625 kVA
Gaseous emissions	:	Pollutants like SPM, and SO ₂ may arise from emissions from DG Sets that will be connected to an appropriately designed vent.
Solid waste from : Garbage: Operation Phase 1. Dry 2. Wet 3.STP Sludge	:	05 kg /day. (During Construction Phase) Residential & Commercial 485 kg /day. 223 kg/day 32 kg/day

PART II ENVIRONMENTAL IMPACTS AND MANAGEMENT PLAN

EMP for Construction Phase

No	Environmental Aspects / Findings of studies	Standards	Impacts	Design Considerations / Mitigation Measures
DESIGN SPECIFIC				
1.	Shadow Analysis: The aim of the study is to assess the potential impact of the development on the neighboring properties which falls under key sunlight sensitive areas.	Not more than 50% of surface area of any building should be shaded for more than 40% time as per BRE standards.	Shadow analysis result shows that the most affected building is Neighborhood Building 4 with average impact time of 02:12 hrs. 22% will be the percentage impact which is lesser than the 40 % as per BRE standards.	No mitigation measures required.
2.	Heat Island Effect Analysis: An urban heat island is a climatic phenomenon in which urban areas have higher air temperature than their rural surroundings as a result of anthropogenic modifications of land surfaces, significant energy use and its consequent generation of waste heat	There are no standards as such to measure the Heat Island Effect impact. But the comparison between Base Case & Proposed Case can be analysed in terms of incident Solar Radiation reduction & change in ambient air temperature.	Ambient air temperature may increase from 27.31 °C to 27.45°C i.e., an increase of 0.14°C in temperature due to Proposed Project.	Though ambient temp will increase the solar insolation will decrease, there is reduction in solar insolation on site due to the following proposed measures ▪ Mutual shading ▪ Landscape ▪ Water Bodies ▪ China Mosaic Tiles ▪ Shaded Parking ▪ Medium Colored Finish ▪ Light colored Grid pavers ▪ High albedo roads ▪ Light colored façade There is reduction in solar insolation from 4,791 to 4,117 Wh/sq.m. i.e., a reduction of 14.06% due to Proposed Project.

Sr. No.	Environmental Aspects / Findings of studies	Standards	Design Considerations / Mitigation Measures																											
DESIGN SPECIFIC																														
3.	<p>Daylight Analysis:</p> <p>For the daylight simulation, worst case scenario has considered i.e. the units on 2nd floor of each of the typical proposed towers are considered as the worst case. It is to be noted that the DL level achieved in these flat would be the lowest among all the units.</p>	<p>Daylight levels available should meet the minimum lighting levels mentioned in SP 41 which are as follows:</p> <table><thead><tr><th>Space</th><th>Required lux levels (SP 41)</th></tr></thead><tbody><tr><td>Living room</td><td>50</td></tr><tr><td>Bedroom</td><td>152</td></tr><tr><td>Kitchen</td><td>200</td></tr><tr><td>Circulation</td><td>25</td></tr><tr><td>Toilet</td><td>25</td></tr><tr><td>Circulation</td><td>25</td></tr></tbody></table>	Space	Required lux levels (SP 41)	Living room	50	Bedroom	152	Kitchen	200	Circulation	25	Toilet	25	Circulation	25	<ul style="list-style-type: none">It is recommended to paint all the exterior surfaces with light colored paints for maximum light reflectance.Similarly, it is recommended to use light color wall, ceilings and floor finishes to achieve higher daylight reflections.It is recommended to provide light colored grid pavers / tiles / roads for hardscaping around the buildings to increase ground reflectance resulting increment in diffused light levels.It is recommended to choose Window Glass with visual light transmission of 45%.	<p>The project is achieving an average of more than 200 lux in all habitable spaces which is higher than the requirement.</p> <table><thead><tr><th>Space</th><th>Achieved lux levels (SP 41)</th></tr></thead><tbody><tr><td>Living room</td><td>220</td></tr><tr><td>Bedroom</td><td>265</td></tr><tr><td>Kitchen</td><td>230</td></tr><tr><td>Toilet</td><td>90</td></tr><tr><td>Circulation</td><td>70</td></tr></tbody></table>	Space	Achieved lux levels (SP 41)	Living room	220	Bedroom	265	Kitchen	230	Toilet	90	Circulation	70
Space	Required lux levels (SP 41)																													
Living room	50																													
Bedroom	152																													
Kitchen	200																													
Circulation	25																													
Toilet	25																													
Circulation	25																													
Space	Achieved lux levels (SP 41)																													
Living room	220																													
Bedroom	265																													
Kitchen	230																													
Toilet	90																													
Circulation	70																													

M/s. Kolte Patil Developers Ltd (Mr. Niren Chaudhary) Redevelopment Project at Mumbai

No.	Environmental Aspects / Findings of studies	Standards	Design Considerations / Mitigation measures																
DESIGN SPECIFIC																			
4.	<p>Wind Ventilation & Analysis:</p> <p>Wind Analysis is done for external environment around the buildings to ensure that all the habitable areas are meeting the required ventilation rates.</p>	<p>Ventilation Requirement as per NBC 2016 has specified minimum ACPH required for various habitable spaces which are as follows:</p> <table><thead><tr><th>Space</th><th>Required ACH (NBC 2016)</th></tr></thead><tbody><tr><td>Living room</td><td>3-6</td></tr><tr><td>Bedroom</td><td>2-4</td></tr><tr><td>Kitchen</td><td>4.5</td></tr></tbody></table>	Space	Required ACH (NBC 2016)	Living room	3-6	Bedroom	2-4	Kitchen	4.5	<p>Wind speed observed at various heights in various cases are as follows- Min. avg. wind speed – 0.1 m/s to 0.65 m/s which ranges from calm to light air. Avg. wind speed – 0.4 m/s to 1.6 m/s which ranges from light air to gentle breeze. Max. avg. wind speed – 0.8 m/s to 3.7 m/s which ranges from light air to moderate breeze. Ventilation rates achieved for various habitable spaces are as follows:</p> <table><thead><tr><th>Space</th><th>Achieved ACH</th></tr></thead><tbody><tr><td>Living room</td><td>>6</td></tr><tr><td>Bedroom</td><td>>6</td></tr><tr><td>Kitchen</td><td>>6</td></tr></tbody></table> <ul style="list-style-type: none">• Projections on alternate floors with varying depths are effective against down drafted winds.• The Vertical Fins deflects the direct wind and helps in cutting down the wind pressure on the façade caused by the funnelled or skew winds.• No Funnel effect has been observed in the wind analysis at any point.• These recommendations will reduce the wind velocity to desired range.	Space	Achieved ACH	Living room	>6	Bedroom	>6	Kitchen	>6
Space	Required ACH (NBC 2016)																		
Living room	3-6																		
Bedroom	2-4																		
Kitchen	4.5																		
Space	Achieved ACH																		
Living room	>6																		
Bedroom	>6																		
Kitchen	>6																		

58

58

No	Environmental Aspects/Impacts	Mitigation measures	Responsibility of the Staff / Consultants appointed by Project Proponents	Legal / Other Compliances OR Compliance to guidelines from various Committees	Timelines for implementation
CONSTRUCTION PHASE					
1.	Increase in water demand (12 KLD) due to water usage for construction, dust suppression and for domestic purpose of workers	<ul style="list-style-type: none"> Use of polymeric spray for dust suppression instead of water wherever possible Curing water shall be sprayed on concrete structures, free flow of water should not be allowed for curing Use of wet jute cloth/ gunny bags instead of water spray for curing activity 	1. Construction Contractors 2. Supervisor (Environmental Cell)	--	1.For Workers : Throughout the construction phase (approximately 5 years) 2.For construction: 5 years 3.For Dust Suppression: Approximately 5 years
2.	Sewage generation (11 KLD) and disposal	<ul style="list-style-type: none"> Disposal of sewage generated to existing sewer line. Site Sanitation & good housekeeping 	1. Construction Contractors 2. Supervisor (Environmental Cell)	--	Throughout the construction phase (approximately 5 years)
3.	Municipal solid waste generation (15 kg/ day) by workers	<ul style="list-style-type: none"> Segregation of biodegradable (6 kg/ day) and dry garbage (9 kg/ day) Segregated garbage shall be handed over to MCGM. 	1. Supervisor (Environmental Cell)	--	Throughout the construction phase (approximately 5 years)

M/s. Kolte Patil Developers Ltd (Mr. Niren Chaudhary) Redevelopment Project at Mumbai

No	Environmental Aspects/Impacts	Mitigation measures	Responsibility of the Staff / Consultants appointed by Project Proponents	Legal / Other Compliances OR Compliance to guidelines from various Committees	Timelines for implementation
CONSTRUCTION PHASE					
4.	Construction activity may lead to: <ul style="list-style-type: none"> Water logging or flooding on site or in the surrounding Unsanitary conditions and mosquito breeding on site Sedimentation of outside drains 	<ul style="list-style-type: none"> Computation of the runoff from the plot Proper management of channelization of storm water Designing storm water drainage with adequate capacity to cater the total runoff from site Use of screens and silt traps in advance of earthworks Proper maintenance of storm water drainage to avoid choking of drains and flooding on site Prompt completion of works relating to drainage and sediment control 	1.MEP Consultants 2. Site Engineer 3. Construction Contractors 4. Supervisor (Environmental Cell)	--	1.For construction: (approximately 5 years)

No.	Environmental Issues/Impacts	Mitigation measures	Responsibility	Legal & Other requirements	Timelines for implementation
CONSTRUCTION PHASE					
5.	Site preparation / Demolition / Construction activity				
a	Dust generation	<ul style="list-style-type: none"> Water sprinkling on unpaved surfaces and loose soil for dust suppression Tree plantation shall be started in mid of construction phase Provision of On site sensors to monitor PM10 and PM 2.5 Provision of Barricades of adequate height along the periphery of the site Use of Plastic/tarpaulin covering sheets while transporting the material Wheel washing of the vehicles Sand, murram, loose soil, cement, or Construction & Demolition Waste or any construction material stored on site shall be covered adequately Provision of Wet jet for grinding and stone cutting. Use of dust masks for workers Roads leading to or at construction sites must be paved and blacktopped No excavation of soil shall be carried out without adequate dust mitigation measures Provision of Wind-breaker of appropriate height i.e. 1/3rd of the building height and maximum up to 10 meters Display of Dust mitigation measures prominently at the construction site for easy public viewing. Grinding and cutting of building materials in open area shall be prohibited Separate storage space for Construction material and waste and road side storage of construction material and waste shall be prohibited No uncovered vehicles carrying construction material and waste shall be permitted 	1. Site Engineer , Site Architect , Demolition/ Excavation Contractors/ 2.Supervisor (Environmental Cell) : Reporting for the status of Pollution prevention and control measures to Manager (Environmental Cell) 3. Manager (Environmental Cell : Coordination with MOEF/ NABL approved External Laboratory for monitoring and Overall documentation and record keeping for the statutory approvals	--	Demolition activity: 2 - 3 months Excavation Activity : 3 - 6 months Construction phase : 5 years

Cont... 61

M/s. Kolte Patil Developers Ltd (Mr. Niren Chaudhary) Redevelopment Project at Mumbai

No.	Environmental Aspects/ Impacts	Mitigation measures	Responsibility of the Staff / Consultants appointed by Project Proponents	Legal / Other Compliances OR Compliance to guidelines from various Committees	Timelines for implementation
CONSTRUCTION PHASE					
5	Site preparation / Demolition / Construction activity				
b.	Noise & Vibration	<ul style="list-style-type: none"> Provision of barricades of adequate height along the periphery of the site During construction activities the noise will be monitored to ascertain the noise levels are within limits All precautions for noise abatement shall be taken during the construction activities During high noise construction activity provision of ear plugs for construction labor and staff No noise polluting work in night shifts In-built acoustic enclosure for DG sets It is recommended that Hydraulic pumps and compressors are covered with Acoustical Enclosures with 20 dB Transmission Loss Rating in order to reduce the noise 	1. Site Engineer, Site Architect, Excavation Contractors/ 2. Supervisor (Environmental Cell): Reporting for the status of Pollution prevention and control measures to Manager (Environmental Cell) 3. Manager (Environmental Cell) Coordination with MoEF/ NABL approved External Laboratory for monitoring and Overall documentation and record keeping for the statutory approvals	--	Throughout the construction phase (approximately 5 years)

Cont... 62

No.	Environmental Aspects/Impacts	Mitigation measures	Responsibility of the Staff / Consultants appointed by Project Proponents	Legal / Other Compliances OR Compliance to guidelines from various Committees	Timelines for implementation
CONSTRUCTION PHASE					
5.	Site preparation / Demolition / Construction activity				
c.	Disruption of soil & runoff	<ul style="list-style-type: none"> Sedimentary controls to be implemented 	1. Site Engineer, Site Architect, Excavation Contractors/ 2. Supervisor (Environmental Cell): Reporting for the status of Pollution prevention and control measures to Manager (Environmental Cell) 3. Manager (Environmental Cell) Coordination with MoEF/ NABL approved External Laboratory for monitoring and Overall documentation and record keeping for the statutory approvals	--	Throughout the construction phase (approximately 5 years)
d.	Oil leaks	<ul style="list-style-type: none"> Regular maintenance of excavation machineries to prevent and repair leaks Contaminated soil to authorized CHWTSDF 	1. Site Engineer, Site Architect, Excavation Contractors/ 2. Supervisor (Environmental Cell): Reporting for the status of Pollution prevention and control measures to Manager (Environmental Cell) 3. Manager (Environmental Cell) Coordination with MoEF/ NABL approved External Laboratory for monitoring and Overall documentation and record keeping for the statutory approvals	--	Throughout the construction phase (approximately 5 years)

M/s. Kolte Patil Developers Ltd (Mr. Niren Chaudhary) Redevelopment Project at Mumbai

No.	Environmental Aspects/Impacts	Mitigation measures	Responsibility of the Staff / Consultants appointed by Project Proponents	Legal / Other Compliances OR Compliance to guidelines from various Committees	Timelines for implementation
CONSTRUCTION PHASE					
5.	Site preparation / Demolition / Construction activity				
e.	Generation of construction waste - Excavated material	<ul style="list-style-type: none"> Designated storage for all type of waste Proper segregation of construction waste and preparation of item wise quantification and management plan and ensuring its effective implementation Excavated material partly shall be reused for leveling & partly disposed to the authorized landfill site with prior permission of M.C.G.M. Demolition debris shall be partly reused/ recycled and remaining shall be disposed to the authorized land fill site with permission of M.C.G.M. Polymer bags used for cement and gypsum, cardboard boxes and other packaging material will be handed over to authorized recyclers. Disposal of hazardous waste to CHWTSDF 	1. Site Engineer, Site Architect, Excavation Contractors/ 2. Supervisor (Environmental Cell): Reporting for the status of Pollution prevention and control measures to Manager (Environmental Cell) 3. Manager (Environmental Cell) Coordination with MoEF/ NABL approved External Laboratory for monitoring and Overall documentation and record keeping for the statutory approvals	NOC for Solid Waste Management/ Excavation permission from M.C.G.M.	Construction phase: 5 years
					Cont... 64

No.	Environmental Aspects/ Impacts	Mitigation measures	Responsibility of the Staff / Consultants appointed by Project Proponents	Legal / Other Compliances OR Compliance to guidelines from various Committees	Timelines for implementation
CONSTRUCTION PHASE					
6.	Vehicular movement leads to <ul style="list-style-type: none"> Increase in traffic Air emissions & Noise Oil leaks 	<ul style="list-style-type: none"> Proper traffic management Entry to vehicles with valid PUC certificate Provision of oil and grease traps to the Storm water drains Contaminated soil found if any to authorized CHWTSDF Regular maintenance of vehicles with suitable enclosures and intake silencers Planning and ensuring effective implementation of the waste movement plan for loading and offsite movement in non-traffic hours 	1. Site Architect 2. Site Engineer 3. Construction Contractors And 4. Documentation check by Manager (Environmental Cell)	--	Throughout the construction phase (approximately 5 years)
7.	Use of DG sets	<ul style="list-style-type: none"> DG sets with inbuilt acoustic enclosures Site barricading Regular maintenance 	1. Site Architect 2.Site Engineer 3. Construction Contractors 4. Overall check by Manager (Environmental Cell)	--	Throughout the construction phase (approximately 5 years)

M/s. Kolte Patil Developers Ltd (Mr. Niren Chaudhary) Redevelopment Project at Mumbai

No	Environmental Aspects/ Impact	Mitigation measures	Responsibility of the Staff / Consultants appointed by Project Proponents	Legal / Other Compliances OR Compliance to guidelines from various Committees	Timelines for implementation
CONSTRUCTION PHASE					
8.	Impact on health of workers Accidents, Hazards, injuries to workers	<ul style="list-style-type: none"> • Provision of Labour Colony • Adequate drinking water, toilet and bathing facilities. • First aid facility • Regular health checkup of workers • Risk assessment and preparation of disaster management plan • Provision of temporary water tank for firefighting and appropriate fire suppression measures. • Safety educational and awareness program • Proper security arrangements. 	Safety officer	--	Throughout the construction phase (approximately 5 years)

No.	Environmental Aspects/ Impacts	Mitigation measures	Responsibility	Legal & Other requirements
OPERATION PHASE				
1.	Increase in water demand	<ul style="list-style-type: none"> • Use of treated sewage for gardening (10 KLD) and flushing (80 KLD) • Rain water collection from terraces into 2 no. RWH tanks of total capacity 49 KL. • Use of harvested rain water for non-domestic purpose and its reuse thereby reducing the fresh water demand 	Overall Environmental cell	Water supply NOC from MCGM
2.	Sewage generation (210 KLD) and disposal of sewage	<ul style="list-style-type: none"> • Provision of 1 Sewage Treatment Plant of total capacity 230 KL for treatment of sewage by MBBR technology • Proper operation and maintenance of STP and Daily analysis of general parameters like pH, BOD, COD and TSS & O & G of the STP outlet to ensure good treatment of waste water with the help of onsite sensors • Use of treated sewage for flushing and gardening • Provision of adequate ventilation around the STP • Proper arrangements for sludge handling units and its reuse as manure 	Overall Environmental cell	--
3.	Increment in Runoff from site	<ul style="list-style-type: none"> • Minimizing the incremental runoff from the site with the help of rain water harvesting tank of adequate capacity. • Proper management of channelization of storm water from site by using proper internal SWD system and discharge point of having adequate capacity • Use of screens and silt traps to SWD • Proper maintenance of storm water drainage to avoid choking of drains and flooding on site • External drain of adequate capacity 	Facility Management system	--

M/s. Kolte Patil Developers Ltd (Mr. Niren Chaudhary) Redevelopment Project at Mumbai

No.	Environmental Aspects/Impacts	Mitigation measures	Responsibility	Legal & Other requirements
OPERATION PHASE				
6.	Vehicular movement, <ul style="list-style-type: none"> Increase in traffic Air emissions & Noise Contamination of soil due to Oil leaks 	<ul style="list-style-type: none"> Proper parking arrangement for the vehicles Provision of adequate traffic signs and signage to notify residents Installation of safety mirrors to aid visibility in conflict points Prevention of parking near the Entry and Exit Gate Provision of speed humps to regulate speed of vehicles Provision of pedestrian crossings and dedicated footpath to cater to the walking population Assigning of traffic wardens to regulate flow of project traffic during peak hours Provision of adequate width of internal driveway Plantation of new trees with retention of existing trees to mitigate dust and noise Provision of oil and grease traps to the Storm water drains 	1. Supervisor & Manager Environmental cell: For coordination with external MoEF approved Lab for Air pollution monitoring 2. Watchmen/ Supervisors/ Traffic wardens specially appointed for Traffic management	--
7.	Odour and unsanitary conditions due to STP and Composting of biodegradable garbage	<ul style="list-style-type: none"> Proper ventilation around STP and Garbage room Proper housekeeping and maintenance 	1. Facility Management Team for SWM 2. Overall frequent checks by Manager (Environmental cell)	Air act 1981, Amended 1987

Cont...⁶⁹

No.	Environmental Aspects/Impacts	Mitigation measures	Responsibility	Legal & Other requirements
OPERATION PHASE				
4.	Power demand	<ul style="list-style-type: none"> Solar energy will be used for lighting and solar water heaters The sizes of cables (HT/LT) are so chosen to reduce the total distribution losses are less than 5% of the total power usage. All motors used for the project shall be of IEEE-519 Guidelines. Proposed Low wattage LED fixtures in common area. Exterior lighting like façade, common area etc are controlled by astronomical/ timer switches to select the time and fittings there by required fittings are switched on at required time to save the power. Tenant AC system is based on the VRV and which is multi compressor system and will work according to the load. 	Facility Management system and Over all check by Manager (Environmental Cell)	ECBC norms
5.	Use of DG sets may leads to air and noise pollution	<ul style="list-style-type: none"> Stack height as per CPCB norms New tree plantation with retention of existing trees DG sets with inbuilt acoustic enclosures Tree Plantation shall be done 	1. Landscape /Horticulture Consultants 2. Supervisor & Manager (Environmental cell)	CPCB specification

Cont...⁶⁸

M/s. Kolte Patil Developers Ltd (Mr. Niren Chaudhary) Redevelopment Project at Mumbai

No.	Environmental Aspects/Impacts	Mitigation measures	Responsibility	Legal & Other requirements
OPERATION PHASE				
8.	Municipal waste & other solid waste generation	<ul style="list-style-type: none"> Informing and educating occupants for solid waste management Provision of adequate space (34.00 Sq. mt.) for solid waste management Proper segregation on site to biodegradable and non-biodegradable. Non-biodegradable waste (485 Kg/day): to be handed over to Authorized Recyclers. Biodegradable waste (323 kg/day) for treatment in Organic Waste Converter. 	1. Facility Management Team for SWM 2. Manager (Environmental Cell): For coordination with external lab. for quality checks and overall guidance if any	--
9.	Disasters like Fire, Earthquake etc.	<ul style="list-style-type: none"> Preparation of Disaster Management Plan Provision of Safety officer, Security and First aid team Regular review of DMP and mock drill Effective implementation of DMP 	Manager, CHS	--

PART III

ALLOCATION MADE FOR ENVIRON-MENTAL MANAGEMENT PLANS

DURING OPERATION PHASE:

CAPITAL INVESTMENT FOR ECOFRIENDLY FEATURES

Sr. No	Project	Details	Capital Cost (Rs. Lakhs)	O & M Cost/Yea (Rs. Lakhs)
1	Rain Water Harvesting	RWH pits & network	4.90	0.25
2	Sewage Treatment Plant	STP plant	44.35	12.25
3	Solid Waste	OWC	No set up cost is involved	0.08
4	Hazardous Waste	NA	-	-
5	e-waste	Authorized vendor	-	-
6	Landscape	Plantation	9.18	1.20
7	Energy Savings	Solar & LED	36.00	3.00
8	Environmental Monitoring	Through Lab	-	0.03
9	Disaster Management	Provided	345.25	15.42

ENCLOSURE NO. II

(COPY OF ENVIRONMENTAL CLEARANCE)

M/s. Kolte Patil Developers Ltd (Mr. Niren Chaudhary) Redevelopment Project at Mumbai



Environment department,
Room No. 217, 2nd floor,
Mantralaya, Annexe,
Mumbai- 400 032.
Date: March 26, 2020

To,
M/s. Kolte Patil Developers Ltd (Mr. Niren Chaudhary)
at CTS No. (S) 1016 of Pahadi Goregaon - (W) Village in P/S ward Mumbai.

Subject: Environment Clearance for Environmental Clearance for Redevelopment Project

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 122nd 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 195th meetings.

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

Brief Information of the project submitted by you is as below :-

1.Name of Project	Proposed Society Redevelopment Project
2.Type of institution	Private
3.Name of Project Proponent	M/s. Kolte Patil Developers Ltd (Mr. Niren Chaudhary)
4.Name of Consultant	M/s. Ultra Tech
5.Type of project	Redevelopment Project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	--
8.Location of the project	CTS No. (S) 1016 of Pahadi Goregaon - (W) Village in P/S ward Mumbai.
9.Taluka	Goregaon
10.Village	Pahadi
Correspondence Name:	M/s. Kolte Patil Developers Ltd
Room Number:	502
Floor:	5th floor
Building Name:	The Capital
Road/Street Name:	--
Locality:	Plot No. C70, G-Block, Bandra Kurla Complex, Bandra (east).
City:	Mumbai - 400051
11.Whether in Corporation / Municipal / other area	Municipal Corporation of Greater Mumbai (M.C.G.M.)
12.IOD/IOA/Concession/Plan Approval Number	Application is in process IOD/IOA/Concession/Plan Approval Number: Application is in process Approved Built-up Area:
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	--
15.Total Plot Area (sq. m.)	9,420.53 Sq. mt.
16.Deductions	1,552.47 Sq. mt.
17.Net Plot area	7,868.06 Sq. mt.

SEIAA Meeting No: 195 Meeting Date: March 14, 2020 (SEIAA-STATEMENT-0000003471)
SEIAA-MINUTES-0000003146
SEIAA-EC-0000002252

Page 1 of 13

Shri. Anil Diggikar (Member Secretary SEIAA)

18 (a).Proposed Built-up Area (FSI & Non-FSI)	FSI area (sq. m.): 29,628.28 Sq.mt.
	Non FSI area (sq. m.): 32,981.76 Sq.mt.
	Total BUA area (sq. m.): 62610.04
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 0 Sq. mt.
	Approved Non FSI area (sq. m.): 0 Sq. mt.
	Date of Approval: 16-10-2019
19.Total ground coverage (m2)	4,695.52 Sq. mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	60%
21.Estimated cost of the project	3920000000



Government of Maharashtra

SEIAA Meeting No: 195 Meeting Date: March 14, 2020 (SEIAA-STATEMENT-0000003471)
SEIAA-MINUTES-0000003146
SEIAA-EC-0000002252

Page 2 of 13


Shri. Anil Diggikar (Member Secretary
SEIAA)

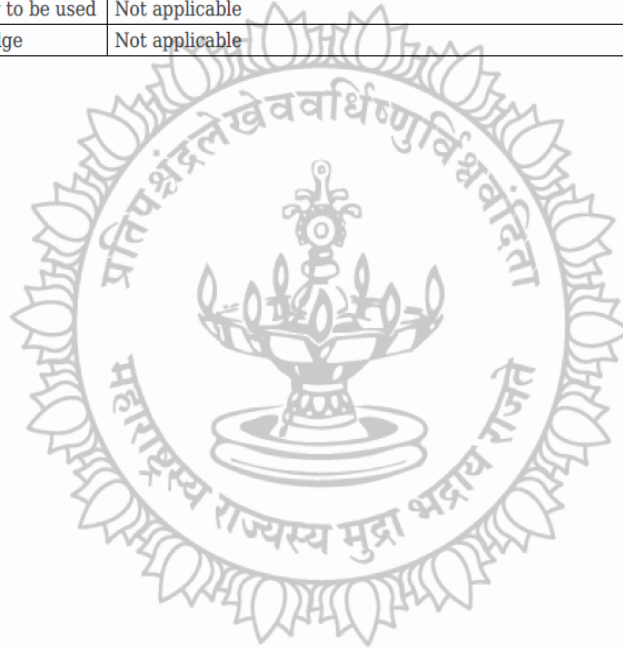
22.Production Details				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable
23.Total Water Requirement				
Dry season:	Source of water	M.C.G.M/ Tanker of potable quality		
	Fresh water (CMD):	162 KLD		
	Recycled water - Flushing (CMD):	80 KLD		
	Recycled water - Gardening (CMD):	10 KLD		
	Swimming pool make up (Cum):	1 KL		
	Total Water Requirement (CMD) :	253 KLD		
	Fire fighting - Underground water tank(CMD):	500 KL		
	Fire fighting - Overhead water tank(CMD):	120 KL		
	Excess treated water	99 KL		
Wet season:	Source of water	M.C.G.M/Partly by RWH/ Tanker of potable quality		
	Fresh water (CMD):	162 KLD		
	Recycled water - Flushing (CMD):	80 KLD		
	Recycled water - Gardening (CMD):	NA		
	Swimming pool make up (Cum):	1 KL		
	Total Water Requirement (CMD) :	243 KLD		
	Fire fighting - Underground water tank(CMD):	500 KL		
	Fire fighting - Overhead water tank(CMD):	120 KL		
	Excess treated water	109 KL		
Details of Swimming pool (If any)	2 Swimming pool having total volume of 102.50 Cum			

24.Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
25.Rain Water Harvesting (RWH)	Level of the Ground water table:			2.3 mt. to 2.8 mt. below ground level					
	Size and no of RWH tank(s) and Quantity:			2 nos. of RWH tanks having total capacity of 49 KL.					
	Location of the RWH tank(s):			Basement					
	Quantity of recharge pits:			Nil					
	Size of recharge pits :			NA					
	Budgetary allocation (Capital cost) :			Rs. 10.90 Lacs					
	Budgetary allocation (O & M cost) :			Rs. 0.36 Lacs/annum					
	Details of UGT tanks if any :			Location of UG tanks: Basement					
26.Storm water drainage	Natural water drainage pattern:			The storm water collected through the storm water drains of adequate capacity will be discharged into the external SWD.					
	Quantity of storm water:			0.17 m3/sec					
	Size of SWD:			450 mm wide with slope 1:300					
27.Sewage and Waste water	Sewage generation in KLD:			210 KLD					
	STP technology:			Moving Bed Bio Reactor (MBBR)					
	Capacity of STP (CMD):			1 STP of capacity 230 KL.					
	Location & area of the STP:			Location: Basement					
	Budgetary allocation (Capital cost):			Rs. 62.35 Lacs					
	Budgetary allocation (O & M cost):			Rs. 13.28 Lacs/annum					

28.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Demolition debris shall be partly reused/ recycled and remaining shall be disposed to the authorized land fill site with permission of M.C.G.M.
	Disposal of the construction waste debris:	Construction waste material shall be partly recycled and remaining shall be disposed to the authorized land fill site with permission of M.C.G.M
Waste generation in the operation Phase:	Dry waste:	485 kg/day
	Wet waste:	323 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	32 kg/day
	Others if any:	Not Applicable
Mode of Disposal of waste:	Dry waste:	To Authorized recyclers
	Wet waste:	Treatment in OWC
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Use as manure
	Others if any:	--
Area requirement:	Location(s):	Ground
	Area for the storage of waste & other material:	22 Sq. mt.
	Area for machinery:	12 Sq. mt.
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 9.00 Lacs
	O & M cost:	Rs. 3.89 Lacs/annum

Government of
Maharashtra

29.Effluent Charecterestics					
Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			



Government of
Maharashtra

30.Hazardous Waste Details							
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

31.Stacks emission Details						
Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG Set	--	--	--	--	--

32.Details of Fuel to be used				
Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	--	--	--

Source of Fuel

Mode of Transportation of fuel to site

33.Energy		
Power requirement:	Source of power supply :	Reliance Power
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	As per requirement
	During Operation phase (Connected load):	9464 KW
	During Operation phase (Demand load):	4393 KW
	Transformer:	
	DG set as Power back-up during operation phase:	1 DG set of 625 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	--

34.Energy saving by non-conventional method:	
Energy saving measures for buildings are as follows: Solar energy will be used for lighting and solar water heaters. All motors used for the project shall be of IEEE-519 Guidelines. Proposed Low wattage LED fixtures in common area. Exterior lighting like façade, common area etc are controlled by astronomical/ timer switches to select the time and fittings there by required fittings are switched on at required time to save the power. Tenant AC system is based on the VRV and which is multi compressor system and will work according to the load.	

36.Detail calculations & % of saving:		
Serial Number	Energy Conservation Measures	Saving %
1	Overall energy saving	21%

37.Details of pollution control Systems		
Source	Existing pollution control system	Proposed to be installed
Sewage	--	STP
Solid waste	--	Organic Waste Convertor

Budgetary allocation (Capital cost and O&M cost):		Capital cost:	Rs. 36.00 Lacs	
		O & M cost:	Rs. 3.00 Lacs/annum	
38.Environmental Management plan Budgetary Allocation				
a) Construction phase (with Break-up):				
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)	
1	Air Environment	Water for Dust Suppression	1.08	
2	Air Environment	Air and Noise Monitoring: On site Sensors	2.50	
3	Air Environment	Air and Noise Monitoring: By outside MoEF & CC Approved Laboratory	0.22	
4	Water Environment	Drinking water analysis	0.03	
5	Land Environment	Site Sanitation	1.00	
6	Health & Hygiene	Disinfection- Pest Control	1.20	
7	Health & Hygiene	Health Check-up of workers	2.70	
8	Cost towards Disaster Management	-	13.55	
b) Operation Phase (with Break-up):				
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Environment & Biological Environment	Cost for Gardening	9.18	1.20
2	Air Environment & Biological Environment	Cost for Ambient air & Noise Monitoring	No set up cost is involved	0.22
3	Air Environment & Biological Environment	Cost for DG Stack Exhaust Monitoring	No set up cost is involved	0.05
4	WATER ENVIRONMENT - Waste water treatment	Cost for sewage Treatment Plant	44.35	12.25
5	WATER ENVIRONMENT - Cost for water & waste water Monitoring	On site sensors	18.00	1.00
6	WATER ENVIRONMENT - Cost for water & waste water Monitoring	By outside MoEF & CC Approved Laboratory	No set up cost is involved	0.03
7	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for RWH tanks	4.90	0.25
8	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for treatment unit for Rain Water collected in tanks	6.00	0.02
9	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for Rainwater Monitoring	No set up cost is involved	0.09

10	LAND ENVIRONMENT - Solid Waste Management	Cost for Treatment of biodegradable garbage in OWC	9.00	3.81
11	LAND ENVIRONMENT - Solid Waste Management	Cost for Manure Monitoring	No set up cost is involved	0.08
12	ENERGY CONSERVATION	Solar Panels	36.00	3.00
13	DISASTER MANAGEMENT: Cost towards disaster management	--	345.25	15.42

39.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Any Other Information

No Information Available

**Government of
Maharashtra**

M/s. Kolte Patil Developers Ltd (Mr. Niren Chaudhary) Redevelopment Project at Mumbai

	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park: Approx. 5.00 km
	Category as per schedule of EIA Notification sheet	8a (B2)
	Court cases pending if any	--
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	

3. The proposal has been considered by SEIAA in its 195th 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:

Specific Conditions:

I	As agreed by PP, demolition waste, and concrete debris can be recycled for making paver blocks and use these to the extent possible in the project itself.
II	PP to ensure that storm water drains should be of box channels & not of Pipe.
III	PP to upload the detail storm water drain calculations.
IV	PP to abide by all conditions laid down by CFO vide letter dated 22/4/2019 & as by time to time.
V	The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC.
VI	PP to submit CER prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project. The specific activities to be undertaken under CER to be carried out in consultation with Municipal Corporation or collector or Environment Department.
VII	PP to ensure that CER plan gets approved from Municipal Commissioner.
VIII	PP Shall comply with Standard EC conditions mentioned in the Office Memorandum issued by MoEF& CC vide F.No.22-34/2018-IA.III dt.04.01.2019.
IX	SEIAA decided to grant EC for - FSI: 13117.18 m2, Non-FSI: 31262.09 m2 and Total BUA: 44379.27 m2 (Plan Approval no-CHE/WSII/4343/P/5337 (NEW), dated-17.02.2020)

General Conditions:

I	E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.
II	The Occupancy Certificate shall be issued by the Local Planning Authority to the project only after ensuring sustained availability of drinking water, connectivity of sewer line to the project site and proper disposal of treated water as per environmental norms.
III	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.
IV	PP has to abide by the conditions stipulated by SEAC& SEIAA.
V	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.
VI	If applicable 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.
VII	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
VIII	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.

SEIAA Meeting No: 195 Meeting Date: March 14, 2020 (SEIAA-STATEMENT-0000003471)
SEIAA-MINUTES-0000003146
SEIAA-EC-0000002252

Page 10 of 13

Shri. Anil Diggikar (Member Secretary SEIAA)

M/s. Kolte Patil Developers Ltd (Mr. Niren Chaudhary) Redevelopment Project at Mumbai

IX	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.
X	Disposal of muck 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.
XI	Arrangement shall be made that waste water and storm water do not get mixed.
XII	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
XIII	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.
XIV	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
XV	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.
XVI	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.
XVII	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.
XVIII	The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.
XIX	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from competent authority shall be taken.
XX	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.
XXI	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 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.
XXII	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).
XXIII	Ready mixed concrete must be used in building construction.
XXIV	Storm water control and its re-use as per CGWB and BIS standards for various applications.
XXV	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
XXVI	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.
XXVII	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.
XXVIII	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.
XXIX	Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.
XXX	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.
XXXI	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.
XXXII	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.
XXXIII	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.
XXXIV	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.
XXXV	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.

M/s. Kolte Patil Developers Ltd (Mr. Niren Chaudhary) Redevelopment Project at Mumbai

XXXVI	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.
XXXVII	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.
XXXVIII	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
XXXIX	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.
XL	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.
XLI	Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.
XLII	Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SEIAA 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.
XLIII	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.
XLIV	Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.
XLV	A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.
XLVI	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.
XLVII	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
XLVIII	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise break-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 be reported to the MPCB & this department.
XLIX	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 .
L	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.
LI	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.
LII	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, SO ₂ , 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.
LIII	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.
LIV	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 by e-mail.

M/s. Kolte Patil Developers Ltd (Mr. Niren Chaudhary) Redevelopment Project at Mumbai

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 Environment 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 as per EIA Notification, 2006, and amendments by 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 Environment 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.

Shri. Anil Diggikar (Member Secretary SEIAA)

Copy to:

1. SHRI JOHNY JOSEPH, CHAIRMAN-SEIAA
2. SHRI UMAKANT DANGAT, CHAIRMAN-SEAC-I
3. SHRI M.M.ADTANI, CHAIRMAN-SEAC-II
4. SHRI ANIL .D. KALE. CHAIRMAN SEAC-III
5. SECRETARY MOEF & CC
6. IA- DIVISION MOEF & CC
7. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD MUMBAI
8. REGIONAL OFFICE MOEF & CC NAGPUR
9. MUNICIPAL COMMISSIONER MUMBAI
10. MUNICIPAL COMMISSIONER NAVI MUMBAI
11. REGIONAL OFFICE MPCB MUMBAI
12. REGIONAL OFFICE MPCB NAVI MUMBAI
13. REGIONAL OFFICE MIDC ANDHERI
14. REGIONAL OFFICE MIDC KOPER KHAIRANE NAVI MUMBAI
15. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD
16. COLLECTOR OFFICE MUMBAI
17. COLLECTOR OFFICE MUMBAI SUB-URBAN

ENCLOSURE NO. III
(COPY OF CONSENT TO ESTABLISH)



Maharashtra Pollution Control Board
5fce0f79b692d55b0dab4ee3

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		
Noc- Format1.0/CAC-CELL/UAN No.0000086659/CE - 2012000317		Date: 07/12/2020		
To, M/s Kolte Patil Developers Ltd. (Proposed Society Redevelopment Project), CTS No. (S) 1016 of Pahadi Goregaon (W) Village in P/S ward, Mumbai - 400 104.				
Sub: Grant of Consent to Establish for society redevelopment project under Red Category				
Ref: 1. Environment Clearance accorded vide No. SEIAA-EC-000002252 dtd. 26.03.2020. 2. Minutes of Consent Appraisal Committee meeting held on 13 & 15.06.2020.				
Your application NO. MPCB-CONSENT-0000086659				
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 Consent to Establish is granted for a period upto commissioning of project				
2. The capital investment of the project is Rs.392 Crs. (As per undertaking submitted by pp).				
3. The Consent to Establish is valid for society redevelopment project of M/s Kolte Patil Developers Ltd. at plot bearing CTS No. (S) 1016, CTS No. (S) 1016 of Pahadi Goregaon (W) Village in P/S ward, Mumbai-400 104 on total plot area of 9,420.53 Sq. Mtrs. for total construction BUA of 62,610.04 Sq. Mtrs. as per Environment Clearance granted dated 26.03.2020 and construction permission issued by Local Body including utilities and services.				
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
2.	Domestic effluent	210	As per Schedule - I	60% recycle for secondary purposes and remaining for gardening and/or connected to local body sewer line.
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	DG Set (625 KVA)	1	As per Schedule -II	
				
M/s. Kolte Patil Developers Ltd. (Proposed Society Redevelopment Project)/CE/UAN No.MPCB- CONSENT-0000086659				
Page 1 of 7				



Maharashtra Pollution Control Board
5fce0f79b692d55b0dab4ee3

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

Sr No	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Dry waste	485 Kg/Day	Segregation	Auth. vendor/ Local Body
2	Wet waste	323 Kg/Day	OWC followed by composting	Used as Manure
3	STP Sludge (Dry sludge)	32 Kg/Day	Dewatering	Used as Manure

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for treatment and disposal of hazardous waste:**

Sr No	Category No.	Quantity UoM	Treatment	Disposal
1	5.1 Used or spent oil	100	Ltr/A Recycle	Sale to Auth. Party/ Recycler

- 8 This 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 agencies.
- 10 PP shall provide STP to achieve the treated domestic effluent standard for the parameter BOD-10 mg/lit.
- 11 The PP shall make necessary provisions to recycle 60% treated effluent for secondary purposes such as toilet flushing, air conditioning, cooling tower make up, fire-fighting etc with water metering system and remaining shall be utilized on land for gardening and/or connected to local body sewer line.
- 12 PP shall install organic waste digester along with composting facility/bio-digester (biogas) with composting facility for the treatment of wet garbage.
- 13 PP shall obtain NOC from MCGM for disposal of construction debris at specific site inspected and approved by Municipal Corporation.
- 14 PP shall furnish Bank Guarantee of Rs. 25 Lakh towards compliance of Environment Clearance and Consent to Establish conditions.
- 15 Consent is issued without prejudice to the order passed as may be passed by the Hon'ble Supreme Court of India in special leave petition Civil No. D23708/2017.

For and on behalf of the
Maharashtra Pollution Control Board.


(Ashok Shingare IAS),
Member Secretary

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	784000.00	5458973	03/03/2020	NEFT

Copy to:

1. Regional Officer, MPCB, Mumbai and Sub-Regional Officer, MPCB, Mumbai II
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Sion, Mumbai
3. CC-CAC Desk- for record & website updating purpose.



Maharashtra Pollution Control Board
5fce0f79b692d55b0dab4ee3

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 **230 CMD for treatment of domestic effluent of 210 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	Standards prescribed by Board
		Limiting Concentration in mg/l, except for pH
1.	BOD (3 days 27o C)	10
2.	Suspended Solids	20
3.	COD	50
4.	Residual Chlorine	1ppm

- C) The treated domestic effluent shall be 60% recycled for secondary purposes such as toilet flushing, air conditioning, cooling tower make up, fire-fighting etc with water metering system and remaining shall be utilized on land for gardening and/or connected to local body sewer line.
- 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	242.00
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.

(Signature)



Maharashtra Pollution Control Board
5fcea0f79b692d55b0dab4ee3

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.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM
S-1	DG Set (625 KVA)	Acoustic Enclosure/ Stack	5.5	Diesel	163 Kg/Hr

- 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:-**
- The kitchen shall be provided with exhaust system chimney with oil catcher connected to chimney through ducting.
 - The toilet shall be provided with exhaust system connected to chimney through ducting.
 - The air conditioner shall be vibration proof and the noise shall not exceed 68 dB(A).
 - 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.

Amrampur



Maharashtra Pollution Control Board
5fce0f79b692d55b0dab4ee3

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	C2E	2500000	Within 15 days	Towards compliance of the Environmental Clearance & Consent to Establish conditions	30.11.2025	31.03.2026

** 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				



Maharashtra Pollution Control Board
5fce0f79b692d55b0dab4ee3

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.

Signature



Maharashtra Pollution Control Board
5fce0f79b692d55b0dab4ee3

- 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.

Q. M. Chaudhary

PART D
ANNEXURES

ANNEXURE NO. 1

SANITARY AND HYGIENE MEASURES

ANNEXURE 1

Sanitary and Hygiene Measures

- Toilets are provided to construction workers.
- Separate storage tanks for storage of domestic and Drinking water have been provided.
- Solid waste is being disposed daily to municipal collection system.
- Separate arrangements for workers for having lunch. The provided separate area is maintained in hygiene point of view.
- Workers health will be regularly monitored and even Health insurance is provided.
- All construction activity will be followed strictly with guideline of safety measures to assure worker's health and safety.

ANNEXURE NO. 2

FACILITIES PROVIDED TO LABOUR HUTMENTS

ANNEXURE 2

FACILITIES PROVIDED TO LABOUR HUTMENTS

Total No. of Labor: 100 Nos.

Facilities provided:

1. We have provided 15 toilets for Labour Hutments.
2. Drinking Water facility has also been provided.
3. Water Tank for domestic purpose is provided. In addition, Water Tanker also comes daily for supplying water.
4. Electric bulbs and electricity has been provided.
5. Labour Hutments are isolated from construction activity area for safety purpose.

ANNEXURE NO. III
AMBIENT AIR, SOIL, NOISE
MONITORING REPORT



TEST REPORT					
Report No:	JV/KPD/22-23/05/153	Issue Date	31/05/2022		
Name and Address of Customer	Proposed Society Redevelopment Project. CTS No. (S) 1016 of Pahadi Goregaon-(W) Village in P/S ward Mumbai. PP: M/s. Kolte Patil Developers Ltd.				
Sample Name	Air	Sample Description	Ambient Air		
Date of Sampling	23/05/2022	Sampling duration	24 hrs		
Start Date of Analysis	24/05/2022	End Date of Analysis	31/05/2022		
Sampling Location	Near Main Gate	Sampling Procedure	CPCB Guideline for measurement of Ambient Air pollutants Volume I		
Dry bulb temperature	36°C	Wet bulb temperature	32°C		
Relative Humidity	34 %	Sampling done by	Eurofine Enviro Lab Pvt. Ltd.		
Results					
Sr. No.	Parameter	Result	Unit(s)	Specifications (NAAQ Standards)	Method
1	Sulphur Dioxide(SO ₂)	21.6	µg/m ³	≤ 80	IS 5182(Part 2)
2	Oxides of Nitrogen(NO ₂)	28.9	µg/m ³	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM ₁₀	58.7	µg/m ³	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter PM _{2.5}	29.6	µg/m ³	≤ 60	
5	Carbon Monoxide (CO)	0.2	mg/m ³	≤ 04	
6	Ozone(O ₃)	BDL	µg/m ³	≤ 180	
7	Lead (Pb)	BDL	µg/m ³	≤ 01	
8	Arsenic(As)	BDL	ng/m ³	≤ 06	
9	Nickel(Ni)	BDL	ng/m ³	≤ 20	
10	Ammonia(NH ₃)	BDL	µg/m ³	≤ 400	
11	Benzo(a)Pyrene(BaP)	BDL	ng/ m ³	≤ 1.0	
12	Benzene(C ₆ H ₆)	BDL	µg/m ³	≤ 05	IS 5182 (Part 11)
Remark- ➤ All above results are within National Ambient Air Quality standards. ➤ BDL – Below Detectable Limit.					

For JV Analytical Services

Authorized Signatory



JV Analytical Services

Accredited by: NABL (As Per Std ISO/IEC 17025:2005) & NABET (Certificate No.NABET/EIA/1720/IA0022)

Recognized by: MOEF & CC, Govt. Of India (Notification No:S.O.1953(E)) , Certified by: ISO 9001:2008 & OHSAS 18001:2007

Address: 2nd & 3rd Floor, Samay Apartment, Bhau Patil Road, Bopodi ,Pune-411020

Tel:7350658988 Email: jvlabpune@gmail.com , sales@jvanalyticalservices.com Web:www.jvanalyticalservices.com

M/s. Kolte Patil Developers Ltd (Mr. Niren Chaudhary) Redevelopment Project at Mumbai



TEST REPORT					
Report No:	JV/KPD/22-23/05/154	Issue Date	31/05/2022		
Name and Address of Customer	Proposed Society Redevelopment Project. CTS No. (S) 1016 of Pahadi Goregaon-(W) Village in P/S ward Mumbai. PP: M/s. Kolte Patil Developers Ltd.				
Sample Name	Air	Sample Description	Ambient Air		
Date of Sampling	23/05/2022	Sampling duration	24 hrs		
Start Date of Analysis	24/05/2022	End Date of Analysis	31/05/2022		
Sampling Location	Back Site	Sampling Procedure	CPCB Guideline for measurement of Ambient Air pollutants Volume I		
Dry bulb temperature	36 ^o C	Wet bulb temperature	32 ^o C		
Relative Humidity	34 %	Sampling done by	Eurofine Enviro Lab Pvt. Ltd.		
Results					
Sr. No.	Parameter	Result	Unit(s)	Specifications (NAAQ Standards)	Method
1	Sulphur Dioxide(SO ₂)	20.6	µg/m ³	≤ 80	IS 5182(Part 2)
2	Oxides of Nitrogen(NO ₂)	26.7	µg/m ³	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM ₁₀	54.6	µg/m ³	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter PM _{2.5}	25.4	µg/m ³	≤ 60	
5	Carbon Monoxide (CO)	0.1	mg/m ³	≤ 04	
6	Ozone(O ₃)	BDL	µg/m ³	≤ 180	
7	Lead (Pb)	BDL	µg/m ³	≤ 01	
8	Arsenic(As)	BDL	ng/m ³	≤ 06	
9	Nickel(Ni)	BDL	ng/m ³	≤ 20	
10	Ammonia(NH ₃)	BDL	µg/m ³	≤ 400	
11	Benzo(a)Pyrene(BaP)	BDL	ng/ m ³	≤ 1.0	
12	Benzene(C ₆ H ₆)	BDL	µg/m ³	≤ 05	IS 5182 (Part 11)
Remark-					
➤ All above results are within National Ambient Air Quality standards.					
➤ BDL – Below Detectable Limit.					

For JV Analytical Services

Authorized Signatory



JV Analytical Services

Accredited by: NABL (As Per Std ISO/IEC 17025:2005) & NABET (Certificate No.NABET/EIA/1720/IA0022)

Recognized by: MOEF & CC, Govt. Of India (Notification No:S.O.1953(E)) , Certified by: ISO 9001:2008 & OHSAS 18001:2007

Address: 2nd & 3rd Floor, Samay Apartment, Bhau Patil Road, Bopodi, Pune-411020

Tel:7350658988 Email: jvlabpune@gmail.com , sales@jvanalyticalservices.com Web:www.jvanalyticalservices.com

Page 01 of 01

M/s. Kolte Patil Developers Ltd (Mr. Niren Chaudhary) Redevelopment Project at Mumbai



TEST REPORT					
Report No:	JV/KPD/22-23/05/155		Issue Date	31/05/2022	
Name and Address of Customer	Proposed Society Redevelopment Project. CTS No. (S) 1016 of Pahadi Goregaon-(W) Village in P/S ward Mumbai. PP: M/s. Kolte Patil Developers Ltd.				
Sample Name	Air	Sample Description		Ambient Air	
Date of Sampling	23/05/2022	Sampling duration		24 hrs	
Start Date of Analysis	24/05/2022	End Date of Analysis		31/05/2022	
Sampling Location	Near office	Sampling Procedure		CPCB Guideline for measurement of Ambient Air pollutants Volume I	
Dry bulb temperature	36 ^o C	Wet bulb temperature		32 ^o C	
Relative Humidity	34 %	Sampling done by		Eurofine Enviro Lab Pvt. Ltd.	
Results					
Sr. No.	Parameter	Result	Unit(s)	Specifications (NAAQ Standards)	Method
1	Sulphur Dioxide(SO ₂)	18.7	µg/m ³	≤ 80	IS 5182(Part 2)
2	Oxides of Nitrogen(NO ₂)	24.3	µg/m ³	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM ₁₀	55.8	µg/m ³	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter PM _{2.5}	26.4	µg/m ³	≤ 60	
5	Carbon Monoxide (CO)	0.2	mg/m ³	≤ 04	
6	Ozone(O ₃)	BDL	µg/m ³	≤ 180	
7	Lead (Pb)	BDL	µg/m ³	≤ 01	
8	Arsenic(As)	BDL	ng/m ³	≤ 06	
9	Nickel(Ni)	BDL	ng/m ³	≤ 20	
10	Ammonia(NH ₃)	BDL	µg/m ³	≤ 400	
11	Benzo(a)Pyrene(BaP)	BDL	ng/ m ³	≤ 1.0	
12	Benzene(C ₆ H ₆)	BDL	µg/m ³	≤ 05	IS 5182 (Part 11)
Remark-					
➤ All above results are within National Ambient Air Quality standards.					
➤ BDL – Below Detectable Limit.					

For JV Analytical Services


Authorized Signatory



JV Analytical Services

Page 01 of 01

Accredited by: NABL (As Per Std ISO/IEC 17025:2005) & NABET (Certificate No.NABET/EIA/1720/IA0022)

Recognized by: MOEF & CC, Govt. Of India (Notification No:S.O.1953(E)) , Certified by: ISO 9001:2008 & OHSAS 18001:2007

Address: 2nd & 3rd Floor, Samay Apartment, Bhau Patil Road, Bopodi ,Pune-411020

Tel:7350658988 Email: jvlabpune@gmail.com , sales@jvanalyticalservices.com Web:www.jvanalyticalservices.com

M/s. Kolte Patil Developers Ltd (Mr. Niren Chaudhary) Redevelopment Project at Mumbai



TEST REPORT					
Report No:	JV/KPD/22-23/05/156	Issue Date	31/05/2022		
Name and Address of Customer	Proposed Society Redevelopment Project. CTS No. (S) 1016 of Pahadi Goregaon-(W) Village in P/S ward Mumbai. PP: M/s. Kolte Patil Developers Ltd.				
Sample Name	Ambient Noise	Sample Description	--		
Date of Sampling	23/05/2022	Sampling duration	--		
Sampling done by	Eurofine Enviro Lab Pvt. Ltd.				
Results					
Sr. No.	Location	Result dB(A) Day	Result dB(A) Night	Specifications (CPCB Standards dB(A))	Method
1.	Near Main Gate	51.9	41.2	55/45	CPCB Guideline
2.	Back Site	50.4	42.8		
3.	Near Office	51.6	40.5		
Remark-					
<ul style="list-style-type: none">➤ All above Noise level results are within Central Pollution Control Board Standards limit.➤ Day/Night -55/45 dB.					

For JV Analytical Services


Authorized Signatory



JV Analytical Services

Page 01 of 01

Accredited by: NABL (As Per Std ISO/IEC 17025:2005) & NABET (Certificate No.NABET/EIA/1720/IA0022)

Recognized by: MOEF & CC,Govt.Of India (Notification No:S.O.1953(E)) , Certified by: ISO 9001:2008 & OHSAS 18001:2007

Address: 2nd & 3rd Floor, Samay Apartment, Bhau Patil Road,Bopodi ,Pune-411020

Tel:7350658988 Email: jvlabpune@gmail.com , sales@jvanalyticalservices.com Web:www.jvanalyticalservices.com

M/s. Kolte Patil Developers Ltd (Mr. Niren Chaudhary) Redevelopment Project at Mumbai



TEST REPORT			
Report No:	JV/KPD/22-23/05/157	Issue Date	31/05/2022
Name and Address of Customer	Proposed Society Redevelopment Project. CTS No. (S) 1016 of Pahadi Goregaon-(W) Village in P/S ward Mumbai. PP: M/s. Kolte Patil Developers Ltd.		
Sample Name	Soil	Sample Description	
Date of Sampling	23/05/2022	Sampling Time	12: 30 PM
Sampling Location	Project Site	Sampling Procedure	--
Sampling done by	Eurofine Enviro Lab Pvt. Ltd.	Sample Quantity	01 kg
Start Date of Analysis	24/05/2022	End Date of Analysis	31/05/2022
Results			
Sr. No.	Parameters	Results	Unit(s)
1	Soil Texture	Sand, Silt, Clay	--
2	pH at 25°C	7.51	--
3	EC at 25°C	1124	µS/cm
4	Moisture Content	12.6	%
5	Organic Matter	1.68	%
6	Cation Exchange Capacity	21.9	meq/100g
7	Total Soluble Sulphate	26.8	mg/Kg
8	Available Phosphorus	8.2	mg/Kg
9	Available Nitrogen	287.6	mg/Kg
10	Water Holding	31.6	%
11	Calcium as (Ca)	28.9	mg/Kg
12	Magnesium as (Mg)	12.3	mg/Kg
13	Lead (as Pb)	0.18	mg/Kg
14	Chlorides as Cl	36.9	mg/Kg
15	Zinc (as Zn)	1.21	mg/Kg
17	Iron (as Fe)	4.12	mg/Kg

For JV Analytical Services


Authorized Signatory



JV Analytical Services

Accredited by: NABL (As Per Std ISO/IEC 17025:2005) & NABET (Certificate No.NABET/EIA/1720/IA0022)

Recognized by: MOEF & CC, Govt. Of India (Notification No:S.O.1953(E)), Certified by: ISO 9001:2008 & OHSAS 18001:2007

Address: 2nd & 3rd Floor, Samay Apartment, Bhau Patil Road, Bopodi, Pune-411020

Tel:7350658988 Email: jvlabpune@gmail.com, sales@jvanalyticalservices.com Web:www.jvanalyticalservices.com

Page 01 of 01



TEST REPORT					
Report No:	JV/KPD/22-23/05/158	Issue Date	31/05/2022		
Name and Address of Customer	Proposed Society Redevelopment Project. CTS No. (S) 1016 of Pahadi Goregaon-(W) Village in P/S ward Mumbai. PP: M/s. Kolte Patil Developers Ltd.				
Sample Name	Water	Sample Description	Drinking Water		
Date of Sampling	23/05/2022	Sampling duration	--		
Sampling Location	Cooler water	Sampling Procedure	APHA 1060		
Sampling done by	Eurofine Enviro Lab Pvt.Ltd.	Sample Quantity	2 Ltr		
Start Date of Analysis	24/05/2022	End Date of Analysis	31/05/2022		
Results					
Sr. No.	Parameters	Results	Unit(s)	Specifications (IS 10500 :2012)	Methods
1	pH at 25°C	7.09	--	6.5 to 8.5	APHA 4500 H+ A, 23 rd Ed.2017
2	Total Dissolved Solids TDS	78.6	mg/L	<500	APHA 2540 C, 23 rd Ed.2017
3	Total Hardness (as CaCO ₃)	41.3	mg/L	<200	IS 3025 (Part 21)
4	Total Alkalinity	18.6	mg/L	<200	IS 3025 (Part 23)
5	Sulphate (as SO ₄)	11.4	mg/L	<200	IS 3025 (Part 24)
6	Nitrate (as NO ₃)	0.3	mg/L	<45	APHA 4500 NO ₃ , 23 rd Ed.2017
7	Fluoride (as F)	<0.05	mg/L	<1.0	APHA 4500 F, 23 rd Ed.2017
8	Residual Free Chlorine	<0.05	mg/L	<0.2	APHA 4500 Cl, 23 rd Ed.2017
9	Chloride (as Cl)	14.6	mg/L	<250	APHA 4500 Cl-, 23 rd Ed.2017
10	Calcium (as Ca)	9.7	mg/L	<75	IS 3025 (Part 40)
11	Magnesium (as Mg)	4.3	mg/L	<30	IS 3025 (Part 46)
12	Iron (as Fe)	<0.05	mg/L	<0.3	APHA 3111, 23 rd Ed.2017
13	Total Coliform	<2	MPN/100ml	<2	IS 1622:1981
14	E.coli.	<2	MPN/100m	<2	IS 1622:1981
Remark- ➤ The above water sample is Comply with required limit as per 10500:2012. ➤ For Total Coliform & E.coli. <2 can be consider as Zero [Refer IS:1622 (R.A.1996), Table No.-4].					

For JV Analytical Services


Authorized Signatory



ANNEXURE NO. IV
COPY OF PUC CERTIFICATE

M/s. Kolte Patil Developers Ltd (Mr. Niren Chaudhary) Redevelopment Project at Mumbai

Form 69
(See rules 118 & 121)

Pollution Under Control Certificate

Authorised By: _____
Department of Maharashtra

Issue Date: 28/07/2022
Time: 14:22:59 PM
Validity upto: 27/07/2023



Certificate No.: MH00402600001060
Registration No.: MH04KF9462
Date of Registration: 18/May/2021
Make & Year of Manufacturing: Maruti Suzuki
Valid Mobile Number: 9899999999
Emission Category: Bharat Stage VI
Fuel: Diesel
PUC No.: MH0040260
Cost: Rs. 170.00
(GST to be paid extra as applicable)
Signature: _____
No. _____

Photo with Registration plate 30 mm



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
	CO	percentage (%)		
High idling emissions	RPM	RPM	2500 ± 200	
	Lambda		1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	0.7	0.01

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note: 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://vahan.parivahan.gov.in>

Signature with stamp of PUC operator 20 mm

M/s. Kolte Patil Developers Ltd (Mr. Niren Chaudhary) Redevelopment Project at Mumbai

Form 50
(See rules 118 (2))

Pollution Under Control Certificate
Authorized by
Government of Maharashtra

Date : 28/07/2022
Time : 14:22:59 PM
Validity upto : 27/07/2023

Certificate No. : MH00402600001060
Registration No. : MH04KF9462
Date of Registration : 19/May/2021
Model & Year of Manufacture : Not known
Valid Motor Number : MH0040260
Emission Norms : BHARAT-STAGE VI
Fuel : DIESEL
PUC Code : MH0040260
OSTM :
Fee : RS.170.00
(GST to be paid extra as applicable)
ML observation : No

Vehicle Photo with Registration plate
60 mm x 30 mm

**MH04
KF9462**

Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	Carbon Monoxide (CO)	percentage (%)		
Idling Emissions	Hydrocarbon, (THC/HC)	ppm		
	CO	percentage (%)		
High idling emissions	RPM	RPM	2500 ± 200	
	Lambda		1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	0.7	0.01

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://vahan.parivahan.gov.in>

Authorized Signature with stamp of PUC operator
60mm x 20 mm

Annexure V

CER

Harri Ratan



22nd July, 2019

To,
The Hon'ble Collector,
Mumbai Suburban District,
Administrative Building, 10th Floor,
Bandra (E), Mumbai – 400 051.

22/07/19
लिपिक
जिल्हाधिकारी
मुंबई उपनगर जिल्हा

Sub.: Contribution towards CER for proposed redevelopment project on plot bearing At CTS No. (S) 1016 of Pahadi Goregaon – W Village in P/S ward Mumbai.

Ref.: Circular dated 19/06/2018 of Ministry of Environment, Forest and Climate Change (MoEF and CC) on Office Memorandum dated 01/05/2018 on Imposition of Corporate Environment Responsibility (CER).

Respected Sir,

With reference to the above, we would like to inform you that our Environmental Clearance NOC is under process for proposed redevelopment project on plot bearing At CTS No. (S) 1016 of Pahadi Goregaon – W Village in P/S ward Mumbai.

As per the afore referred guidelines given by MoEF and CC we are required to provide 0.75% additional capital investment towards CER on the actual project capital investment.

As per the given guidelines we have identified certain activities to be carried out in immediate neighbourhood which when implemented shall be beneficial to the environment and the general public at large.

The activities are broadly classified under the following heads:

- Infrastructure creation for drinking water supply,
- Sanitation,
- Health,
- Education
- Solid Waste Management Facilities

(1)
KOLTE-PATIL DEVELOPERS LTD.

CIN : L45200PN1991PLC129428

Mumbai Off. : 501 & 502, 5th Floor, The Capital, Plot No. C70, G - Block, Bandra-Kurla Complex, Bandra (East), Mumbai - 400051, India Tel.: +91 84119 05000, +91 84119 05000
Pune Regd.Off. : 2nd Floor, City Point, Dhole Patil Road, Pune - 411001, Maharashtra, India. Tel.: +91 20 6622 6500 Fax: +91 20 6622 6511 Web : www.koltepatil.com
Bangalore Off. : 121, The Estate Building, 10th floor, Dickenson Road, Bangalore - 560042 . India Tel.: 080 - 4662 4444 / 2224 3135 / 2224 2803

Municipal Corporation of Greater Mumbai
(Solid Waste Management Department)

Office of the Executive Engineer,
(Solid Waste Management) Zone-I
Room No 411/412, 4th Floor,
MCGM Worli Garage Building,
Worli, Mumbai-400018

To
M/s. S. B. Transport
Group No.2, Near Sunni Jama Masjid,
Tagore Nagar,
Vikhroli (E),
Mumbai-400083

Ex. Engr. (SWM) 1960 Zone-1
21/12/21

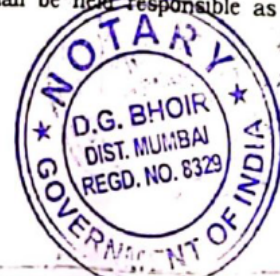


Sub:- Approval of new site for unloading of C & D Waste Material at Survey No. 14/1/B, 14/2, 14/4, 14/5, 14/6, 15, 16, 16/B, 17/3, 17/4/A, 17/4/B, 17/5, 19/A, 19/B, 19/C, 19/D, 20/1/1, 21/1, 21/2, 21/3, 21/4, 21/5, 21/6, 21/7, 21/8, 21/9, 21/11/B, 22, 24, 25/1/2, 25/2, 26/1, 26/2, 26/3, 26/4, 26/5, 26/6, 26/8, 27/1/A, 27/2, 27/3/A, 27/3/B, 28/1/A, 28/1/C, 28/1/D, 30/1, 30/2, 30/4, 31/A, 39/B, 41/1 Ecohomes-Townships LLP, Village-Ranjnoli, Taluka-Bhivandi, Dist-Thane.

Ref:- 1) Your application regarding subject matter dtd 02.11.2021
2) Approval of D.M.C.(SWM) u/no. D.M.C./SWM/2516 dtd 17.12.2021
3) **Name of Transport Contractor - M/s. S.B. Transport**

Your application for above referred new unloading site for backfilling of C & D waste material has been approved by D. M. C.(SWM) subject to the following conditions:-

1. Location of unloading site plot bearing Survey No. 14/1/B, 14/2, 14/4, 14/5, 14/6, 15, 16, 16/B, 17/3, 17/4/A, 17/4/B, 17/5, 19/A, 19/B, 19/C, 19/D, 20/1/1, 21/1, 21/2, 21/3, 21/4, 21/5, 21/6, 21/7, 21/8, 21/9, 21/11/B, 22, 24, 25/1/2, 25/2, 26/1, 26/2, 26/3, 26/4, 26/5, 26/6, 26/8, 27/1/A, 27/2, 27/3/A, 27/3/B, 28/1/A, 28/1/C, 28/1/D, 30/1, 30/2, 30/4, 31/A, 39/B, 41/1 Ecohomes-Townships LLP, Village-Ranjnoli, Taluka-Bhivandi, Dist-Thane.
2. **Time period :- This permission is valid for 1 year (up to 19.12.2022).**
3. **Total Quantity of unloading material :- 6,15,000 Brass (17,40,450 Cu. Mtr.).**
4. Type of C & D waste to be unloaded at unloading site only :- Demolition Debris, Excavated Earth etc.
5. The approval is subject to the orders given by Hon'ble Supreme Court u/no. in SLP (Civil) No. D23708/2017 dtd.15.03.2018. You shall follow these orders of Hon'ble Supreme Court and instructions therein.
6. If the validity of the unloading site gets exhausted, you shall inform this office regarding the same and the permission shall be renewed. In case, if the capacity of the unloading gets filled completely before the validity of the unloading site gets exhausted, you shall forthwith stop the transportation & filling activities and inform this office accordingly.
7. This approval is granted presuming that the papers submitted by the applicant / land owner are genuine. For any dispute arising there from out of documents submitted by applicant, POA/ occupant/ owner shall be held responsible as prescribed under the law prevailing in force.



Scanned with CamScanner

Scanned with CamScanner

8. It is your responsibility to demarcate clearly on the plot the area for unloading of C & D waste material (Excavated Earth, Murrum, Debris etc.) by the respective filling/ levelling contractors.
9. You shall set up a security cabin, manned 24X7 for maintaining record at the entrance of unloading (backfilling site) site. The records shall contain the details such as date, vehicle number, quantity of C & D waste unloaded, name & address of generation site etc. Also it is your responsibility to submit the record to MCGM, as and when required.
10. The entire unloading site (Backfilling site) shall be enclosed with entry/ exit gate for controlling movement of vehicles and shall not obstruct vehicular traffic on Public Roads.
11. You shall abide & comply Urban/ Panchayat/Village Local body Rules, Notifications.
12. You shall abide and Comply Rules and Notifications time to time published by Environmental concern Government authorities and Municipal Corporation of Greater Mumbai (MCGM).
13. You shall make an arrangement of CCTV at the entrance & exit gate for recording movement of the vehicles coming for unloading (Backfilling) of C & D waste. The record of the same shall be made available to MCGM as & when required.
14. You shall abide & comply by the directives of Hon'ble courts, any statutory authority and MCGM, which may be issued from time to time in this regard.
15. The approval granted hereto does not absolve the other approvals required from the other departments of MCGM, Govt. Authorities or any other ULBs, especially for wetlands or CRZ affected sites.
16. In case of disputes, court matters etc. related to the subject site/ land/ property, this approval cannot be treated as valid proof.
17. In case of any breach of condition is brought to the notice of MCGM or monitoring committee as mentioned in the SLP(Civil) No. D23708/2017 dtd.15.03.2018, show cause notice will be issued and decision will be taken within one month as expeditiously as possible, which shall be binding on you/ land owner. You must note here that, in case of failure to comply conditions stated above and those in approval letter, approval granted to you, as designated unloading(Back filling) site may be revoked by MCGM.
18. You shall strictly comply with the "Solid Waste Management Rules-2016" and "Construction & Demolition Waste Management rules-2016"
19. This approval is as per your application letter dtd.30.03.2021 to backfill/level your above mentioned site.
20. Necessary compliance & mandatory requirements as per the S.O.P. for SWM C & D Waste Management Permissions shall be complied within 15 days from the date of receipt of this approval letter. Failing to which, the permission issued to you as per this approval letter will be revoked.



(Signature)
2412-21
Executive Engineer
(Solid Waste Management) Z - I

ATTESTED BY ME

(Signature)
DINESH G. BHOIR
B.A.L.L.B.
ADVOCATE & NOTARY
D-1/4, RIDDHI SIDDHI C.H.S.,
RAJAWADI, VIDYAVIHAR (E).
MUMBAI - 400 077.
Reg. No. 8329

22 DEC 2021



M/s. Kolte Patil Developers Ltd (Mr. Niren Chaudhary) Redevelopment Project at Mumbai

Date : 25/03/2022

DEBRIS MANAGEMENT PLAN

On Proposed construction site at plot bearing CTS No. 1016, Bhangur Nagar, MG Road, Village Pahadi Goregaon (W), P/South Ward, Mumbai Suburban District.

		2.83	4.528	
1	Excavation Debris	Qty in Cum	Qty in brass	Qty in MT
a	Total quantity estimated from the whole project	52,125	18,419	83,400
b	Quantity for which NOC already obtained	12,452	4,400	19,923
c	Balance Debris to be generated	39,673	14,019	63,477
d	Quantity to be Backfilled	22,998	8,127	36,797
e	Balance Debris to be disposed outside	16,675	5,892	26,680

2	Demolition Debris	Qty in Cum	Qty in brass	Qty in MT
a	Total quantity estimated from the whole project	8,719	3,081	13,950
b	Quantity for which NOC already obtained	4,528	1,600	7,245
c	Balance Debris to be generated	4,191	1,481	6,705
d	Quantity to be reused within site	3,804	1,344	6,087
e	Balance Debris to be disposed outside	386	136	618

3	Vertical Extension Debris	Qty in Cum	Qty in brass	Qty in MT
a	Total quantity estimated from the whole project	9,752	3,446	15,602
b	Quantity for which NOC already obtained	-	-	-
c	Balance Debris to be generated	9,752	3,446	15,602
d	Quantity to be reused within site	4,610	1,629	7,376
e	Balance Debris to be disposed outside	5,142	1,817	8,227

4	Total= Excavation + Demolition + Vertical Extension	Qty in Cum	Qty in brass	Qty in MT
a	Total quantity estimated from the whole project	70,595	24,945	1,12,952
b	Quantity for which NOC already obtained	16,980	6,000	27,168
c	Balance Debris to be generated	53,615	18,945	85,784
d	Quantity to be backfilled/ reused within site	31,412	11,100	50,260
e	Balance Debris to be disposed outside	22,203	7,846	35,525

	Details of the current SWM NOC Application	Qty in Cum	Qty in brass	Qty in MT
a	Excavation Debris to be transported outside (As per unloading Site owner's NOC)	4,245	1,500	6,792
b	Demolition Debris to be transported outside (As per unloading Site owner's NOC)	-	-	-
c	Vertical Extension Debris to be transported outside (As per unloading Site owner's NOC)	-	-	-
d	Total	4,245	1,500	6,792

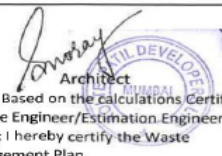
For Kolte Patil Developers Ltd.

Site Engineer/Estimation Engineer



Architect

Note : Based on the calculations Certified by the Site Engineer/Estimation Engineer above; I hereby certify the Waste Management Plan.



Annexure VII Water NOC



MUNICIPAL CORPORATION OF GREATER MUMBAI

HYDRAULIC ENGINEER'S DEPARTMENT Remark Issued u/n HE/000720/2021/P/S/WSII Dated : 19 Feb 2021

Office of the :

Office of Ex. Eng.(P & R) 'B' Ward Office,
3rd Floor, Near J J Hospital, Babula Tank
Cross Road, Mumbai-400009.

To,

Shri. SHASHIKANT LAXMAN JADHAV
B-106, NATRAJ BLDG., MULUND (W)

CC,

M/S. KOLTE-PATIL DEVELOPERS LTD.
501,5th Floor, The Capital, Plot no. C70, G-
Block, Bandra Kurla Complex,Bandra (East).

Subject : Hydraulic Engineer's Department Remark for proposed building on Plot bearing CTS / CS Number 1016 of Village / Division
PAHADI GOREGAON-W at Western Suburb II, P/S Ward, Mumbai.

Reference : 1) Your online application - Application Number CHE/WSII/4343/P/S/337(NEW)-HE/1/New dated 06 Feb 2021
2) Scrutiny fee receipt Number CHE/BP/49361/21

As per the data furnished by Architect / Consultant / LS / LP the proposed building under reference is a Residential.
Total water requirement of the building works out to 227565 lpd for residential purpose, 2160 lpd for commercial purpose and 0
lpd for other purpose.

It is to inform that, Hydraulic Engineer's Remark for the proposed Individual building under reference are as follows :-

1. Water supply for the Residential building will be made available as per prevailing norms, on submission of occupation certificate.
2. Municipal water supply will not be made available for the Swimming pool / Air conditioning purpose. Water supply brought from other than Municipal source shall not be mixed with Municipal water supply at any stage. Separate water storage tank and separate water mains, painted with red colour, shall be used for the same.
3. The adequate size of water main in abutting existing road shall have to be laid by MCGM.
4. Water supply as per condition number 1, will be made available only after compliance of condition number 3,11
5. If borewell is to be dug on site an Register Under Taking from Architect / Consultant / LS / LP to be submitted for proposed location of borewell with latitude and longitude of borewell.
6. Physically separate underground and overhead water storage tanks of adequate capacities for domestic and flushing purpose shall be provided. Capacity of underground water storage tank shall be obtained from consultant. Underground suction tank shall be located as close as possible to the existing water main in Municipal Road and the same shall not be in 1.5 M vicinity of drainage / Sewer line / Manhole / Inspection Chamber and shall be at minimum distance of 6.00 mt from proposed STP. Top of manhole shall be maintained at about 60 cm above adjacent ground / floor level and minimum head clearance of 1.20 M shall be maintained for inspection and cleaning of tanks.
7. The internal water distribution system within building shall be provided by Terrace loop & downtake system. The design for same shall be obtained from consultant and shall be self certified.
8. Adequate precaution shall be taken while designing and execution of the structural members continuously in contact, with chlorinated Municipal water in the suction tank, located in the basement / stilt of the building. As suction tank is located within the building line, adequate care shall be taken to avoid contamination and adequate arrangements shall be made to drain out the overflow water.

M/s. Kolte Patil Developers Ltd (Mr. Niren Chaudhary) Redevelopment Project at Mumbai

9. Automatic level control sensors system & Ball Cock arrangement shall be provided in overhead & underground water storage tanks to avoid overflow from tanks.
10. Water conservation devices such as dual flushing cisterns (ISI marked) / dual flush valves for W.C.'s and sensor operated taps for wash basins & urinals, shall be installed in the building.
11. Water supply will be made available only after strengthening of existing water supply network by Owner / Developer / MCGM.

Above Remark are issued as per data furnished by Architect / Consultant / LS / LP while amendment in building plans, if water demand of the building exceeds above 10% to the above water demand, then this Remark shall be treated as cancelled and fresh Remark shall have to be obtained by providing revised data.

Notes:

1. The above remarks are system generated based on the input data submitted by Architect / Consultant / L.S. / L.P. and if in future it is found that the data is incorrect / fraudulent then the remarks deemed to be treated as cancelled and necessary action will be initiated.
2. The above remarks are system generated and does not require any signatures.



Annexure VIII

DR. P. S. RAMAKRISHNA

M.Sc. (Appl. Geol.), Ph.D. (I.I.T., Bombay)

Consulting Geologist in Water Resources & Rain Water Harvesting

To
Kolte-Patil Developers Ltd
C.A. to Owner of Hari Ratna CHS Ltd
501-502, 5th Floor
The Capital
Plot No. C-70, 'G' Block
Bandra (East)
Mumbai - 400051

06th January, 2021

Sub: Completion of Rainwater Harvesting at Hari Ratan CHS Ltd on plot bearing C T
S No. 1016 of village Pahadi, at New Link Road, Goregaon (West)

Sir

We are happy to propose the project of Rainwater Harvesting at Hari Ratan CHS Ltd on plot bearing CTS No. 1016 of village Pahadi at New Link Road, Goregaon (West), Mumbai as per the guidelines issued by Brihanmumbai Municipal Corporation, vide IOD No. CHE/WSII/4343/P/S/(337)New.

Kindly acknowledge the report submitted and oblige.

Thanking you,

Yours Truly



(P. S. Ramakrishna)



Encl. 1) Report on proposal of Rainwater Harvesting at the above site

#D/1004, A – Sector, Jalvayu Vihar, Powai, Mumbai - 400076

Phone: 9223295510 / 9869004448

E-Mail: hydrozoneonline@gmail.com

D. J. MISHRA

Civil Engineer, Licensed Plumber & Consultant (BMC APPROVED)

Ref. No. _____

Date. _____

Date: 18/02/2021

To,
M/s Kolte – Patil Developers Ltd.

Sub: Internal SWD REMARKS FOR Proposed Building on Land bearing
CTS No. 1016 of Pahadi Goregoan – W Village in P/S ward
Mumbai.

Ref: CHE/WSII/4343/P/S/337 (NEW)

Sir,

The said plot is individual plot and it is situated at village CTS No. 1016 of
Pahadi Goregoan – W Village in P/S ward Mumbai. The total plot area is 9420.53sq.m
and it is under Redevelopment proposal.

General Observations / Remark:

1. If any natural water course is passing through the property then specific
remark from MCGM is required with the details such as
a) Size of existing natural water course. – NIL
b) Proposed width of natural water course, if natural water course is to be
widened. – N.A.
2. Elevation of land (whether the R.L. is above 28.04 THD or not) to be
maintained as per item no. 3 below. – Yes
3. Minimum formation level of the plot required 28.04 m (92 feet) above T.H.D.
or 15 cms. Above the formation level of the raised footpath or the existing
access road whichever is higher.

P.T.O

Mishra Nivas, Poisar, Kandivali (E), Mumbai - 400 101. Tel.: 98202 91613.

D. J. MISHRA

Civil Engineer, Licensed Plumber & Consultant (BMC APPROVED)

Ref. No. _____

Date. _____

The internal remarks of plot to be followed:

1. External SWD remarks will be as given by Consultant Rajendra Nevase of M/s Swati Consultancy dated 30/09/2019.
2.

D - C - B	}	Proposed to construct internal S.W. Drain of 0.40 Sq.m. (min 0.60 M wide) C/s areas with width of 0.60 m. Covered with R.C.C./M.S/C.I gratings with bottom slope of 1 in 500 towards discharging point (Point B & Point F) & connect to the external storm water drain.
D - E - F		
A - B		
A - F		
3. Provide cement concrete / paved all around the building with slope towards drain as shown in the accompanying plan.
4. Provide R.C.C. slab designed for "AA" class loading over drain at every gate with opening of size 0.60m X 0.90m at centre. Structural Stability Certificate to that effect shall be submitted
5. Provide adequate no. of weep holes in roadside compound wall to drain off water from front open space into the drain.
6. Provide proper slope and drainage arrangement for podium floor with water entrances and down take pipes discharging into drain at ground level and To construct R.C.C. box drain across the ramp of min size 0.27sq .m (0.45m wide) designed for 'AA' class loading and connect the same to nearby drain, to drain off the surface drain of all podium floors.
7. Provide proper slope and drainage arrangements in Pit/Basement areas with sump pit of adequate size and pumping arrangements of adequate capacity as designed by licensed electrical Engineer along with stand by unit to out the water accumulated, into nearest. Municipal drain at ground level.
8. All above SWD work shall be carried as per design of Licence Structural Engineer. Stability & completion certificate from License Structural Engineer shall be submitted along with Appendix II & completion certificate from Architect before availing SWD Completion certificate.
9. If there is any Amendment/Changes in the Plan/ layout revised remarks will be have to be obtained before completion as per the MCGM rules.
10. Any MCGM charges shall be borne by owner/ developer only.

Mr. D. J. Mishra
Consultant No. 3319/183/2017



CONSULTANT : D. J. MISHRA
REG. No. : 3319 / 183 / 2017

Mishra Nivas, Poisar, Kandivali (E), Mumbai - 400 101. Tel.: 98202 91613.

Annexure IX



MUNICIPAL CORPORATION OF GREATER MUMBAI
(Solid Waste Management Department)

Office of Executive Engineer,
SWM SWM Zonal Office 6,

Application Number - CHE/WSII/4343/P/S/337(NEW)/SWM/5/Amend, dated - 28 Mar 2022
Issued remarks Number /0/2022/P/S/WSII Dated 31 Mar 2022.

To (Architect / L.S), SHASHIKANT LAXMAN JADHAV B-106, NATRAJ BLDG., MULUND (W)	CC (Owner), M/S. KOLTE-PATIL DEVELOPERS LTD. 501,5th Floor, The Capital, Plot no. C70, G-Block, Bandra Kurla Complex,Bandra (East).
--	--

Subject :- Approval to Construction & Demolition Waste Management Plan for the site at CTS/CS Number 1016 of village PAHADLI GOREGAON-W at ward Ward S.

Reference :- Your application / online submission for C&D Waste Management Plan levelling & filling at designated site dtd. 28 Mar 2022.

With reference to your application/ online submission, the Debris Management Plan submitted by you has been approved as per "Construction and Demolition Waste Rules 2016" and you are allowed to transport Construction & Demolition/ Excavation Material from construction site to the unloading site subject to following terms & conditions.

1. This approval is subject to the orders given by Hon. Supreme Court u/no. in SLP (Civil) No. D23708/2017 dated 15.3.2018. You shall follow this order of Hon. Supreme Court and instructions therein.
2. You shall handle & transport **Construction & Demolition Waste / Excavation Material to the extent of 1500 Brass only to the designated unloading site Plot Bearing Survey No.14/1/B,14/2, 14/4,14/5, 14/6,15,16,16/B,17/3, 17/4/A,17/4/B,17/5,19/A,19/B, 19/C,19/D,20/1/1,21/1,21/2,21/3,21/4, 21/5,21/6,21/7,21/8,21/9, 21/11/B,22,24,25/1/2,25/2,26/1,26/2, 26/3,26/4,26/5,26/6,26/8,27/1/A,27/2, 27/3/A,27/3/B,28/1/A,28/1/C ,28/1/D,30/1,30/2,30/4,31/A, 39/B,41/1 Ecohomes-Townships LLP,Village-Ranjnoli,Taluka-Bhivandi,Dist-Thane,(Shabbir Qureshi-9322340359) & validity 19 Dec 2022.**
3. You shall transport the C&D waste with proper precautions and employ adequate measures safe guards to dispersal of particles through the air.
4. You have mentioned designated site for transportation of C&D waste for filling and levelling purpose. The C&D waste shall be transported and deposited at the designated site only The Landfill site (unloading site) shall be governed by the Construction and Demolition Waste Management Rules, 2016 and Solid Waste Management Rules, 2016.
5. In the event for any reason whatsoever, the consent given by the Designated Site / Agency is revoked or the time limit for the designated site has expired or the capacity of unloading site is exhausted. In such case the builder / developer shall forthwith stop the transportation activities. The builder / developer shall submit revised Construction and Demolition waste management plan along with required valid documents for revalidation of existing C&D waste Management Plan.
6. The construction & Demolition Waste shall be transported through your Transport Contractor. The details of the same shall be uploaded in the system by the applicant at the time of actual transportation.
7. The deployed vehicles shall abide by all the R.T.O. rules and regulations. You shall ensure that the vehicles should be properly covered with tarpaulin or any other suitable material firmly to avoid any escape / fall of waste on road from moving vehicle. The body and wheels shall be cleaned and washed thoroughly to avoid spreading of waste on road.
8. The copy of approved Construction and Demolition Management Plan Shall be accompanied with each and every vehicle under this approval. The developer shall issue the proper Challan for each and every trip of vehicles and that shall be acknowledged by the agency

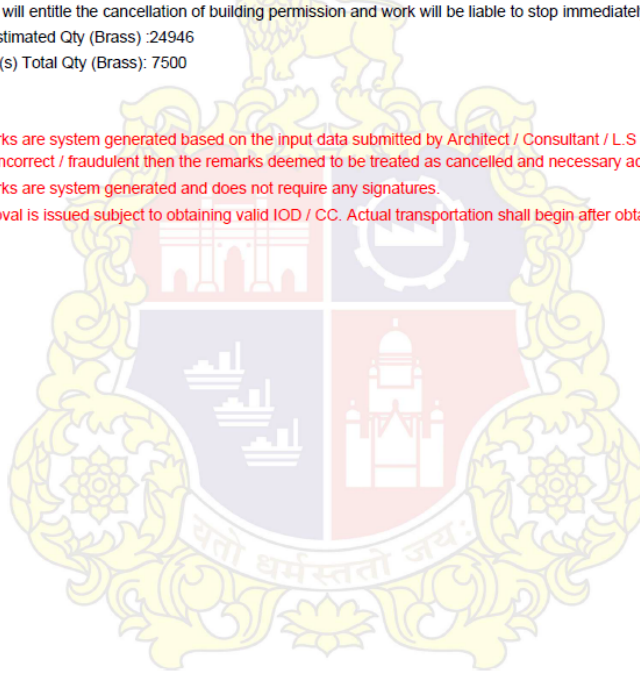
M/s. Kolte Patil Developers Ltd (Mr. Niren Chaudhary) Redevelopment Project at Mumbai

of unloading site. The developer shall maintain record of C&D material transported and shall make it available to MCGM and / or Monitoring Committee whenever required for inspection.

9. The approval is granted presuming that the papers submitted by the applicants / Owners are genuine. For any dispute arising out of documents submitted by applicant, POA / Occupant / Owner shall be held responsible as prescribed under the law prevailing in force.
10. The approval granted hereto does not absolve the other approval required from the other department of M.C.G.M. OR Govt. authorities.
11. In case of disputes, court matters etc. related to the subject site / land / property, this approval cannot be treated as a valid proof.
12. In case of any breach of condition is brought to the notice of MCGM or Monitoring Committee, Show Cause Notice will be issued and decision will be taken within one month as expeditiously as possible, which shall be binding on you / land owner.
13. This approval is not a permission for excavation or permission for dumping but this is the only approval under Construction & Demolition Waste Management Plan for the transportation of Construction & Demolition Waste for unloading at designated unloading site.
14. You / Land owner shall submit valid Bank Guarantee from the bankers approved by the MCGM and the amount applicable as per attached table. The bank guarantee remains valid till grant of Occupation Certificate (OCC).
15. The license architect / license engineer shall upload compliance report in respect of Construction & Demolition Waste Management Plan, any breach will entitle the cancellation of building permission and work will be liable to stop immediately.
16. (A) Project Total Estimated Qty (Brass) :24946
(B) Obtained NOC(s) Total Qty (Brass): 7500

Note:

1. The above remarks are system generated based on the input data submitted by Architect / Consultant / L.S and if in future it is found that the data is incorrect / fraudulent then the remarks deemed to be treated as cancelled and necessary action will be initiated.
2. The above remarks are system generated and does not require any signatures.
3. This C & D approval is issued subject to obtaining valid IOD / CC. Actual transportation shall begin after obtaining valid IOD / CC only.



Sanitary Facility for workers



Drinking Water Facility



TEST REPORT

Report No:	JV/KPD/22-23/05/153	Issue Date	31/05/2022
Name and Address of Customer	Proposed Society Redevelopment Project. CTS No. (S) 1016 of Pahadi Goregaon-(W) Village in P/S ward Mumbai. PP: M/s. Kolte Patil Developers Ltd.		
Sample Name	Air	Sample Description	Ambient Air
Date of Sampling	23/05/2022	Sampling duration	24 hrs
Start Date of Analysis	24/05/2022	End Date of Analysis	31/05/2022
Sampling Location	Near Main Gate	Sampling Procedure	CPCB Guideline for measurement of Ambient Air pollutants Volume I
Dry bulb temperature	36°C	Wet bulb temperature	32°C
Relative Humidity	34 %	Sampling done by	Eurofine Enviro Lab Pvt. Ltd.

Results

Sr. No.	Parameter	Result	Unit(s)	Specifications (NAAQ Standards)	Method
1	Sulphur Dioxide(SO ₂)	21.6	µg/m ³	≤ 80	IS 5182(Part 2)
2	Oxides of Nitrogen(NO ₂)	28.9	µg/m ³	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM ₁₀	58.7	µg/m ³	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter PM _{2.5}	29.6	µg/m ³	≤ 60	
5	Carbon Monoxide (CO)	0.2	mg/m ³	≤ 04	
6	Ozone(O ₃)	BDL	µg/m ³	≤ 180	
7	Lead (Pb)	BDL	µg/m ³	≤ 01	
8	Arsenic(As)	BDL	ng/m ³	≤ 06	
9	Nickel(Ni)	BDL	ng/m ³	≤ 20	
10	Ammonia(NH ₃)	BDL	µg/m ³	≤ 400	
11	Benzo(a)Pyrene(BaP)	BDL	ng/ m ³	≤ 1.0	
12	Benzene(C ₆ H ₆)	BDL	µg/m ³	≤ 05	IS 5182 (Part 11)

Remark-

- All above results are within National Ambient Air Quality standards.
- BDL – Below Detectable Limit.

For JV Analytical Services



Authorized Signatory



JV Analytical Services

Accredited by: NABL (As Per Std ISO/IEC 17025:2005) & NABET (Certificate No.NABET/EIA/1720/IA0022)

Recognized by: MOEF & CC,Govt.Of India (Notification No:S.O.1953(E)) , Certified by: ISO 9001:2008 & OHSAS 18001:2007

Address: 2nd & 3rd Floor, Samay Apartment, Bhau Patil Road,Bopodi ,Pune-411020

Tel:7350658988 Email: jvlabpune@gmail.com , sales@jvanalyticalservices.com Web:www.jvanalyticalservices.com

TEST REPORT

Report No:	JV/KPD/22-23/05/154	Issue Date	31/05/2022
Name and Address of Customer	Proposed Society Redevelopment Project. CTS No. (S) 1016 of Pahadi Goregaon-(W) Village in P/S ward Mumbai. PP: M/s. Kolte Patil Developers Ltd.		
Sample Name	Air	Sample Description	Ambient Air
Date of Sampling	23/05/2022	Sampling duration	24 hrs
Start Date of Analysis	24/05/2022	End Date of Analysis	31/05/2022
Sampling Location	Back Site	Sampling Procedure	CPCB Guideline for measurement of Ambient Air pollutants Volume I
Dry bulb temperature	36°C	Wet bulb temperature	32°C
Relative Humidity	34 %	Sampling done by	Eurofine Enviro Lab Pvt. Ltd.

Results

Sr. No.	Parameter	Result	Unit(s)	Specifications (NAAQ Standards)	Method
1	Sulphur Dioxide(SO ₂)	20.6	µg/m ³	≤ 80	IS 5182(Part 2)
2	Oxides of Nitrogen(NO ₂)	26.7	µg/m ³	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM ₁₀	54.6	µg/m ³	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter PM _{2.5}	25.4	µg/m ³	≤ 60	
5	Carbon Monoxide (CO)	0.1	mg/m ³	≤ 04	
6	Ozone(O ₃)	BDL	µg/m ³	≤ 180	
7	Lead (Pb)	BDL	µg/m ³	≤ 01	
8	Arsenic(As)	BDL	ng/m ³	≤ 06	
9	Nickel(Ni)	BDL	ng/m ³	≤ 20	
10	Ammonia(NH ₃)	BDL	µg/m ³	≤ 400	
11	Benzo(a)Pyrene(BaP)	BDL	ng/ m ³	≤ 1.0	
12	Benzene(C ₆ H ₆)	BDL	µg/m ³	≤ 05	IS 5182 (Part 11)

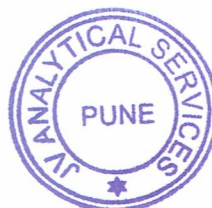
Remark-

- All above results are within National Ambient Air Quality standards.
- BDL – Below Detectable Limit.

For JV Analytical Services



Authorized Signatory



JV Analytical Services

Accredited by: NABL (As Per Std ISO/IEC 17025:2005) & NABET (Certificate No.NABET/EIA/1720/1A0022)

Recognized by: MOEF & CC,Govt.Of India (Notification No:S.O.1953(E)) , Certified by: ISO 9001:2008 & OHSAS 18001:2007

Address: 2nd & 3rd Floor, Samay Apartment, Bhau Patil Road,Bopodi ,Pune-411020

Tel:7350658988 Email: jvlabpune@gmail.com , sales@jvanalyticalservices.com Web:www.jvanalyticalservices.com

Page 01 of 01

TEST REPORT

Report No:	JV/KPD/22-23/05/155	Issue Date	31/05/2022
Name and Address of Customer	Proposed Society Redevelopment Project. CTS No. (S) 1016 of Pahadi Goregaon-(W) Village in P/S ward Mumbai. PP: M/s. Kolte Patil Developers Ltd.		
Sample Name	Air	Sample Description	Ambient Air
Date of Sampling	23/05/2022	Sampling duration	24 hrs
Start Date of Analysis	24/05/2022	End Date of Analysis	31/05/2022
Sampling Location	Near office	Sampling Procedure	CPCB Guideline for measurement of Ambient Air pollutants Volume I
Dry bulb temperature	36°C	Wet bulb temperature	32°C
Relative Humidity	34 %	Sampling done by	Eurofine Enviro Lab Pvt. Ltd.

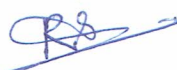
Results

Sr. No.	Parameter	Result	Unit(s)	Specifications (NAAQ Standards)	Method
1	Sulphur Dioxide(SO ₂)	18.7	µg/m ³	≤ 80	IS 5182(Part 2)
2	Oxides of Nitrogen(NO ₂)	24.3	µg/m ³	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM ₁₀	55.8	µg/m ³	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter PM _{2.5}	26.4	µg/m ³	≤ 60	
5	Carbon Monoxide (CO)	0.2	mg/m ³	≤ 04	
6	Ozone(O ₃)	BDL	µg/m ³	≤ 180	
7	Lead (Pb)	BDL	µg/m ³	≤ 01	
8	Arsenic(As)	BDL	ng/m ³	≤ 06	
9	Nickel(Ni)	BDL	ng/m ³	≤ 20	
10	Ammonia(NH ₃)	BDL	µg/m ³	≤ 400	
11	Benzo(a)Pyrene(BaP)	BDL	ng/ m ³	≤ 1.0	
12	Benzene(C ₆ H ₆)	BDL	µg/m ³	≤ 05	IS 5182 (Part 11)

Remark-

- All above results are within National Ambient Air Quality standards.
- BDL – Below Detectable Limit.

For JV Analytical Services



Authorized Signatory



JV Analytical Services

Accredited by: NABL (As Per Std ISO/IEC 17025:2005) & NABET (Certificate No.NABET/EIA/1720/IA0022)

Recognized by: MOEF & CC, Govt. Of India (Notification No:S.O.1953(E)) , Certified by: ISO 9001:2008 & OHSAS 18001:2007

Address: 2nd & 3rd Floor, Samay Apartment, Bhau Patil Road, Bopodi, Pune-411020

Tel:7350658988 Email: jvlabpune@gmail.com , sales@jvanalyticalservices.com Web:www.jvanalyticalservices.com

TEST REPORT

Report No:	JV/KPD/22-23/05/156	Issue Date	31/05/2022
Name and Address of Customer	Proposed Society Redevelopment Project. CTS No. (S) 1016 of Pahadi Goregaon-(W) Village in P/S ward Mumbai. PP: M/s. Kolte Patil Developers Ltd.		
Sample Name	Ambient Noise	Sample Description	--
Date of Sampling	23/05/2022	Sampling duration	--
Sampling done by	Eurofine Enviro Lab Pvt. Ltd.		

Results

Sr. No.	Location	Result dB(A) Day	Result dB(A) Night	Specifications (CPCB Standards dB(A))	Method
1.	Near Main Gate	51.9	41.2	55/45	CPCB Guideline
2.	Back Site	50.4	42.8		
3.	Near Office	51.6	40.5		

Remark-

- All above Noise level results are within Central Pollution Control Board Standards limit.
- Day/Night -55/45 dB.

For JV Analytical Services



Authorized Signatory



TEST REPORT

Report No:	JV/KPD/22-23/05/157	Issue Date	31/05/2022
Name and Address of Customer	Proposed Society Redevelopment Project. CTS No. (S) 1016 of Pahadi Goregaon-(W) Village in P/S ward Mumbai. PP: M/s. Kolte Patil Developers Ltd.		
Sample Name	Soil	Sample Description	
Date of Sampling	23/05/2022	Sampling Time	12: 30 PM
Sampling Location	Project Site	Sampling Procedure	--
Sampling done by	Eurofine Enviro Lab Pvt. Ltd.	Sample Quantity	01 kg
Start Date of Analysis	24/05/2022	End Date of Analysis	31/05/2022

Results

Sr. No.	Parameters	Results	Unit(s)	Methods
1	Soil Texture	Sand, Silt, Clay	--	Manual Of Soil Testing
2	pH at 25°C	7.51	--	IS 2720(Part 26) 1987
3	EC at 25°C	1124	µS/cm	IS 14767 : 2000
4	Moisture Content	12.6	%	Manual Of Soil Testing
5	Organic Matter	1.68	%	IS 2720(Part 22) 1972
6	Cation Exchange Capacity	21.9	meq/100g	Manual Of Soil Testing
7	Total Soluble Sulphate	26.8	mg/Kg	Manual Of Soil Testing
8	Available Phosphorus	8.2	mg/Kg	Manual Of Soil Testing
9	Available Nitrogen	287.6	mg/Kg	Manual Of Soil Testing
10	Water Holding	31.6	%	Manual Of Soil Testing
11	Calcium as (Ca)	28.9	mg/Kg	Manual Of Soil Testing
12	Magnesium as (Mg)	12.3	mg/Kg	Manual Of Soil Testing
13	Lead (as Pb)	0.18	mg/Kg	Manual Of Soil Testing
14	Chlorides as Cl	36.9	mg/Kg	Manual Of Soil Testing
15	Zinc (as Zn)	1.21	mg/Kg	Manual Of Soil Testing
17	Iron (as Fe)	4.12	mg/Kg	Manual Of Soil Testing

For JV Analytical Services



Authorized Signatory



TEST REPORT

Report No:	JV/KPD/22-23/05/158	Issue Date	31/05/2022
Name and Address of Customer	Proposed Society Redevelopment Project. CTS No. (S) 1016 of Pahadi Goregaon-(W) Village in P/S ward Mumbai. PP: M/s. Kolte Patil Developers Ltd.		
Sample Name	Water	Sample Description	Drinking Water
Date of Sampling	23/05/2022	Sampling duration	--
Sampling Location	Cooler water	Sampling Procedure	APHA 1060
Sampling done by	Eurofine Enviro Lab Pvt.Ltd.	Sample Quantity	2 Ltr
Start Date of Analysis	24/05/2022	End Date of Analysis	31/05/2022

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (IS 10500 :2012)	Methods
1	pH at 25°C	7.09	--	6.5 to 8.5	APHA 4500 H+ A, 23 rd Ed.2017
2	Total Dissolved Solids TDS	78.6	mg/L	<500	APHA 2540 C, 23 rd Ed.2017
3	Total Hardness (as CaCO ₃)	41.3	mg/L	<200	IS 3025 (Part 21)
4	Total Alkalinity	18.6	mg/L	<200	IS 3025 (Part 23)
5	Sulphate (as SO ₄)	11.4	mg/L	<200	IS 3025 (Part 24)
6	Nitrate(as NO ₃)	0.3	mg/L	<45	APHA 4500 NO3, 23 rd Ed.2017
7	Fluoride (as F)	<0.05	mg/L	<1.0	APHA 4500 F, 23 rd Ed.2017
8	Residual Free Chlorine	<0.05	mg/L	<0.2	APHA 4500 Cl, 23 rd Ed.2017
9	Chloride (as Cl)	14.6	mg/L	<250	APHA 4500 Cl-, 23 rd Ed.2017
10	Calcium (as Ca)	9.7	mg/L	<75	IS 3025 (Part 40)
11	Magnesium (as Mg)	4.3	mg/L	<30	IS 3025 (Part 46)
12	Iron (as Fe)	<0.05	mg/L	<0.3	APHA 3111, 23 rd Ed.2017
13	Total Coliform	<2	MPN/100ml	<2	IS 1622:1981
14	E.coli.	<2	MPN/100m	<2	IS 1622:1981

Remark-

- The above water sample is Comply with required limit as per 10500:2012.
- For Total Coliform &E.coli. <2 can be consider as Zero [Refer IS:1622 (R.A.1996), Table No.-4].

For JV Analytical Services



Authorized Signatory



JV Analytical Services

Accredited by: NABL (As Per Std ISO/IEC 17025:2005) & NABET (Certificate No.NABET/EIA/1720/IA0022)

Recognized by: MOEF & CC, Govt. Of India (Notification No:S.O.1953(E)) , Certified by: ISO 9001:2008 & OHSAS 18001:2007

Address: 2nd & 3rd Floor, Samay Apartment, Bhau Patil Road, Bopodi, Pune-411020

Tel:7350658988 Email: jvlabpune@gmail.com , sales@jvanalyticalservices.com Web:www.jvanalyticalservices.com