

Oxford Realty LLP
Regional Office : Godrej Eternia 'C'
10th Floor, Office A,
3, Old Mumbai-Pune Highway,
Wakdevadi, Shivajinagar,
Pune - 411 005, India.
Tel. : +91-20-6641 0200
Fax: +91-20-6641 0244

Regd. Office : Godrej One,
5th Floor, Pirojshanagar,
Eastern Express Highway,
Vikhroli (E), Mumbai - 400 079, India
Tel. : +91-22-6169 8500
Website : www.godrejproperties.com

Date: 14.06.2017

To,
The Additional Director (S),
Ministry of Environment and Forest and Climate Change
Regional Office (WCZ), Ground Floor,
East Wing, New Secretariat Building,
Civil Line, Nagpur, Maharashtra-440001.

Sub: Submission of Environmental Clearance compliance (Six Monthly Report- January 2017 to June 2017) for construction of Project at S.No.9 to 14 at Keshavnagar, Mundhwa, Taluka - Haveli, District-Pune, State- Maharashtra.

Ref: SEAC-III-2015/CR-17/TC-2 dated 4th June, 2016
Respected Sir,

With reference to the above subject we are submitting the Current Status of our construction work, monitoring reports, data sheet and Point wise environmental clearance compliance status to various stipulations laid down by the State Level Environment Impact Assessment Authority, Maharashtra in its clearance letter SEAC-III-2015/CR-17/TC-2 along with the necessary enclosure and annexure. This is for your kind consideration and records. Kindly acknowledge the same.

Thanking you,

Yours Sincerely,
For Oxford Realty LLP

Authorized Signatory

Encl:

- Part A: Current Status of Construction Work
- Part B: Point wise compliance status
- Part C: Enclosures
- Part D: Annexures
- Part E: CD



पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
Ministry of Environment, Forest & Climate Change
क्षेत्रीय कार्यालय (पश्चिम मध्य क्षेत्र)
Regional Office (Western Central Zone)
महानगर, पूर्व खंड / Ground Floor, East Wing
नया सचिवालय भवन / New Secretariat Building
सिविल लाईन्स / Civil Lines
नागपुर / Nagpur-440 001

30/6/17

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Date: 14.06.2017

To,
The Member Secretary,
Maharashtra Pollution Control Board,
Kalpataru Point, 2/3/4th Floor,
Sion Matunga Scheme, Road No 8,
Opp. Sion Circle, Sion (East),
Mumbai- 400022.

Sub: Submission of Environmental Clearance compliance (Six Monthly Report- January 2017 to June 2017) for construction of Project at S.No.9 to 14 at Keshavnagar, Mundhwa, Taluka – Haveli, District-Pune, State- Maharashtra.

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[Signature]
Maharashtra Pollution Control Board
Kalpataru Point, 2/3/4 Floor,
Opp. Cina Planet, Near Sion Circle,
Sion (East), Mumbai - 400 022.

- **Current Status-6 building work in progress.**

Point wise compliance status to various stipulations laid down by the Ministry in its clearance letter SEAC-III- 2015/CR-17/TC.2 are as follows:

General Conditions for Pre-construction phase:-		
i	This environmental clearance is issued subject to utilization of excess treated water.	Noted
ii	This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any Judgments / order issued by Hon'ble High Court, Hon'ble NGT, Hon'ble Supreme Court regarding DCR provisions, environmental issues applicable in this matter should be verified. PP should submit exactly the same plans appraised by concern SEAC and SEIAA. If any discrepancy found in the plans submitted or details provided in the above para may be reported to environment department. This environmental clearance issued with respect to the environmental consideration and it does not mean that State Level Impact Assessment Authority (SEIAA) approved the proposed land use.	Environmental Clearance Obtained vide letter No. SEAC-III- 2015/CR-17/TC.2 dated 4 th June 2016. Please refer Enclosure II
iii	E waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2011.	Not applicable. This is residential project.
iv	Occupation certificate shall be issued to the project by Local Planning Authority only after ensuring availability of drinking water and connectivity of the sewer line to the project site.	Noted
v	This environmental clearance is issued subject to obtaining NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for Wild life as if applicable & this environment clearance does not necessarily implies that Forestry & Wild life clearance granted to the project which will be considered separately on merit.	Noted
vi	PP has to abide by the conditions stipulated by SEAC & SEIAA.	Noted
vii	The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norm so the urban local body & it should ensure the same along with survey number before approving lay out 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.	Height, built up area of construction is accordance with the existing FSI /FAR norms. Maximum Height of the buildings will be Max.- 99.86 m Proposed built up area as per FSI-2,07,925.29 m ²
viii	"Consent for Establishment " shall be obtained from Maharashtra Pollution Control Board under Air and	Consent to Establish No. Format 1.0/BO/CAC-cell/EIC-PN-26720-15/CE/CAC-7801.

	Water Act and a copy shall be submitted to the Environment department be forest art of any construction work at the site	Enclosure III.
ix.	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	We have provided 75Toilets for Labour Hutments. Toilets are provided at site for workers.
General Conditions for Construction Phase-		
i	Provision shall be made for the housing of construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche and First Aid Room etc.	Labor camp (i.e. 25 huts) is provided for labors. Labor camps provided with sanitary facilities such as safe drinking water etc. Regular medical health checkupfor workers. Toilets (28 nos.) are provided on site.
ii	Adequatedrinkingwaterandsanitaryfacilitiesshoul dbeprovid!i:flforconstructionworkersatthesite.Pro visionshouldbemadeformobiletoilets.Thesafedisposalofwastewaterandsolidwastesgeneratedduring theconstructionphaseshouldbe ensured.	Yes, Regular supply of Drinking water is made available at site and toilets are provided at site for workers. Solid waste generated is collected separately for dry & wet waste& handed over to authorized vendor.
iii	The solid waste generated should be properly collected and segregated. Dry / inert solid waste should be disposed off to the approved sites for landfilling after recovering recyclable material.	Solid waste generated is collected separately for dry & wet waste& handed over to authorized vendor.
iv	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 aspect so people, only in approved sites with the approval of competent authority.	All the waste generated from the site preparation and excavation is used within the site.
v	Arrangementshallbemadethatwastewaterandstor mwaterdonotgetmixed	Separate network for storm water and sewerage are proposed.
vi	All the top soil excavated during construction activities should be stored for use in horticulture / landscape development within the project site	5420.31 m ³ of topsoil excavated. All the topsoil excavated material is used for land leveling. Top Soil was used for landscaping & stores the project premises area.
vii	Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drain age system of the area is protected and improved.	Excess excavated material and construction waste is used for leveling. Natural water drainage pattern: as per contour.
viii	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.	Green Belt Development is development by considering CPCB guidelines including selection of plan species with consultation with the Local Landscape consultant. Total RG area-17,013.36 m ² 65 Nos. of tress plantation is done at site.
ix	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metal sand other toxic contaminants.	Soil analysis report enclosed & no any bore well on site. Please refer the Annexure no.1

x	Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate water course and the dump sites 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.
xi	Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.	No any hazardous waste was generated during construction phase.
xii	The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.	All DG set (25 KVA, 45 KVA, 82.5 KVA, 125 KVA, 160 KVA, 200 KVA) are with acoustic canopy & confirming the rules made under the Environment (Protection) Act 1986.
xiii	The diesel required for operating DG sets shall be stored in underground tank and if required, clearance from concern authority shall be taken.	DG sets are used only during power failure. The DG set are purchased with inbuilt storage tanks.
xiv	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.	Regular vehicles hired for bringing construction material to the sites should be in good condition and should have pollution check certificate.
xv	Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be 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.	Ambient air and noise Monitoring report enclosed. Please refer Annexure 1 .
xvi	Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within the 100 Km of Thermal Power Stations).	Yes, we are using Fly ash (811.13 Ton) for building material in the construction as per the provision of Fly Ash Notification of September 1999 and amended as on 25th January, 2016. The project doesn't fall under the 300 Km radius of any power plant hence not applicable.
xvii	Ready mixed concrete must be used in building construction	We are using ready mix concrete in building construction.
xviii	The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of firefighting equipments etc. as per National Building Code including measures from lighting.	Provisional Fire NOC and Structural safety certificate are attached. Please refer Annexure no. 2 & 3 .
xix	Storm water control and its re-use as per CGWB BIS standards for various applications.	Separate network for storm water and sewerage are proposed.

xx	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	We are using ready mix concrete in building construction.
xxi	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority	There shall be no ground water extraction.
xxii	The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Discharge of this untreated treated effluent, if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled / reused to the maximum extent possible. Discharge of this untreated 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.	We will propose 5 nos. of STP & its capacity 335 KLD, 400 KLD, 555 KLD, 260 KLD, & 75 KLD. Construction work of STP yet not started.
xxiii	Permission to draw ground water and Construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.	There shall be no ground water extraction. Tanker water from local supplier is used and will be used construction.
xxiv	Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.	We will be provided dual plumbing line for separation of gray and black water.
xxv	Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing device so sensor based control.	Adequate measures will be taken into consideration to minimize the wastage of water.
xxvi	Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows	Tinted glass used for total construction.
xxvii	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement	We will be provided appropriate thermal insulation.
xxviii	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	Energy saving measures – <ul style="list-style-type: none"> • CFL lighting for roads and common areas like building corridors and facade lighting • Use of Solar System for Hot Water heating system & solar street lighting

	proponent should install, after checking feasibility, solar plus hybrid non-conventional energy source as source of energy.	
xxix	Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphurdiesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.	DG set are with acoustic canopy & confirming the rules made under the Environment (Protection) Act 1986. All DG set(25 KVA, 45 KVA, 82.5 KVA, 125 KVA, 160 KVA, 200 KVA)are with acoustic canopy and appropriate stack height as per CPCB norms.
xxx	Noises should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the buildings shall be restricted to the permissible level to comply with the prevalent regulations.	The noise level measured are within the prescribed standards for day and night time. Monitoring report is enclosed. Please, refer the Annexure no. 1
xxxi	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.	There is already internal parking so, that there is no use of public space. For 5990 nos. for 2 wheelers and 963 nos. for 4 wheelers parking will be provided. Proposed parking Area-73264 m ² Also provision of visitors parking is made.
xxxii	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspiration for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement	Not applicable at this stage.
xxxiii	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	Sixteen meter distance provided in between two buildings for fresh air and passage of natural light, air and ventilation.
xxxiv	Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.	Construction work is being supervised by Project Engineer and qualified supervisors
xxxv	Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance	Environmental Clearance Obtained vide letter No. SEAC-III-2015/CR-17/TC-2 dated 4th June 2016. Please refer Enclosure II
xxxvi	Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.	We will be forward monitoring reports regularly to MPCB.
General Conditions for Post-Construction/Operation Phase-		

i	Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the 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.	We will propose (335 KLD, 400 KLD, 555 KLD, 260 KLD, & 75 KLD) capacity of STP. Solid waste (wet waste) handover to authorized vendor.
ii	Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises. Local authority should ensure this.	For labor camp, Storage done at site and vendor come and collect on daily basis.
iii	Local body should ensure that no occupation certificate is issued prior to operation of STP/MSW site etc. with due permission of MPCB.	Noted & will be obeyed.
iv	A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.	We are submitting six monthly reports regularly along with necessary documents.
v	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.	No any changes in project.
vi	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Environmental Management Cell is being supervised by Project Engineer and qualified supervisors.
vii	Separate fund 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.	We are submitting herewith funds allocated for Environmental Management Plan (EMP). During Construction phase: Capital Cost: 25.8 lacs/annum During operational Phase: Total set up Cost: 167.97 Lakhs
viii	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website http://ee.maharashtra.gov.in .	Already advertisement had been published in local English Sakal times paper & Marathi newspaper 'Punyanagari' on 24 th April 2017. Advertisement copy is attached. Please refer Annexure no. 4
ix	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1 st June & 1 st December of each	We are submitting six monthly reports regularly along with necessary documents.

	calendar year.	
x	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent	Local NGO letter is attached. Please refer Annexure no.5
xi	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM. SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sector	Yes, noted and obeyed.
xii	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB	We are submitting six monthly reports regularly along with necessary documents.
xiii	The environmental statement for each financial year ending 31" March in Form-Vas 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 & agreed.
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.	Noted.
5.	In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environmental Clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.	Noted.
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	Noted.

	or for that matter, for any other administrative reason.	
7.	Validity of Environment Clearance: The environmental clearance accorded shall be valid for a period of 7 years as per MoEF&CC Notification dated 29 th April, 2015.	Noted.
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 Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.	Noted
10.	Any appeal against this environmental clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, I st 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

Monitoring the Implementation of Environmental Safeguards
Ministry of Environment & Forest

Western Region, Regional Office, Nagpur

DATA SHEET

Date:- 14th June 2017

1.	Project type: River - valley/ Mining / Industry / Thermal / Nuclear / Other (specify)		:	Residential Project
2.	Name of the project		:	“Godrej Infinity”
3.	Clearance letter (s) / OM No. and Date		:	Clearance Letter No. SEAC-III-2015/CR-17/TC-2.Dated 4 th June, 2016
4.	Location		:	
	a.	District (S)	:	Pune
	b.	State (s)	:	Maharashtra
	c.	Latitude/ Longitude	:	18°35'24.96" N 74°59'37.10" E
5.	Address for correspondence		:	
	a.	Address of Concerned Project Chief Engineer (with pin code & Telephone / telex / fax numbers	:	Mr. Sanjay Rajput “Godrej Infinity”, S.No.9 to 14 at Keshavnagar, Mundhwa, Taluka – Haveli, District-Pune -411036
	b.	Address of Project: Engineer/Manager (with pin code/ Fax numbers)	:	Mr. Narayan Balgude “Godrej Infinity”, S.No.9 to 14 at Keshavnagar, Mundhwa, Taluka – Haveli, District-Pune - 411036
6.	Salient features		:	
	a.	of the project	:	It is residential project. The design of this project and utilities is thoroughly planned with the objectives of providing facilities to the people and keeping the mind on sustainable development.
	b.	of the environmental management plans	:	1. Sewage treatment Plant (STP): We will propose 5 Nos of STP & it's capacity 335 KLD, 400 KLD, 555 KLD, 260 KLD, & 75 KLD. Construction work of STP yet not started. 2. Rain water harvesting: Rain water harvesting shall be provided to raise the ground water table. 3. Solid Waste Management a. Biodegradable waste will be treated by OWC b. Dry waste will be hand over to

				authorize contractor. c. STP sludge will be used as manure.
7.	Breakup of the project area		:	
	a.	submergence area forest & non-forest	:	Non forest
	b.	Others	:	Total plot area: 1,73,800.00 m ² Proposed Built-up Area FSI :2,07,925.29 m ² Non FSI :1,81,940.45 m ² Total BUA: 3,89,865.74 m ²
8.	Breakup 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		:	Break Up of the project: <ul style="list-style-type: none"> • 16 Residential Building, • 2660 Tenements + 24 Shops
	a.	SC, ST/Adivasis	:	Not Applicable
	b.	Others (Please indicate whether these Figures are based 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.	Estimated Cost of the Project	:	1709/-Crores Only
	b.	Allocation made for environ-mental management plans with item wise and year wise Break-up.	:	Environmental Management Plan (EMP) During Construction phase: Capital Cost: 25.8 lacs/annum
	c.	Benefit cost ratio / Internal rate of Return and the year of assessment	:	During operational Phase: Total set up Cost: 1679.97 lacs
	d.	Whether (c) includes the Cost of environmental management as shown in the above.	:	
	e.	Actual expenditure incurred on the project so far	:	Please refer Part III.
	f.	Actual expenditure incurred on the environmental management plans so far	:	Please refer 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, approach roads), if any with quantitative information	:	Not Applicable
12.		Status of construction	:	6 building work in progress.
	a.	Date of commencement (Actual and/or planned)	:	08/07/2016
	b.	Date of completion (Actual and/or planned)	:	June 2021
13.		Reasons for the delay if the Project is yet to start	:	Work in progress
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 monitored
	b.	Date of site visit for this monitoring report	:	18.05.2017
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
		(The first monitoring report may contain the details of all the Letters issued so far, but the Later reports may cover only the Letters issued subsequently.)	:	

PART I**PROJECT DETAILS**

Name & Location	:	“Godrej Infinity”, S.No.9 to 14 at Keshavnagar, Mundhwa, Taluka – Haveli, District-Pune
Total no. of workers to be employed during the construction phase.	:	928 Nos.
Estimated Project cost	:	1709 /- Crores only
Project infrastructure	:	Residential: <ul style="list-style-type: none"> • 16 Residential Building, • 2660 Tenements + 24 Shops
Plot Area Breakup	:	Total plot area: 1,73,800.00 m ² Proposed Built-up Area FSI :2,07,925.29 m ² Non FSI :1,81,940.45 m ² Total BUA: 3,89,865.74 m ²
Water Requirement and Sources	:	Residential Dry Season: Source: Gram panchayat Keshavnagar Mundhawa Total Water Requirement :1199 m ³ /day Recycled water (Flushing): 602 m ³ /day Recycled water(Gardening): 102 m ³ /day Total Fresh water Requirement: 1199 m ³ /day Excess treated water: 700 m ³ /day Swimming Pool: 12 m ³ /day (From Tankers) Wet Season: Freshwater: 1199 m ³ /day Recycled water(Flushing): 602 m ³ /day Total Fresh water Requirement: 1199 m ³ /day Excess treated water: 802 m ³ /day
Sewage generated	:	Residential : <ul style="list-style-type: none"> • Sewage generation :1620 m³/day • Capacity of STP:335KLD, 400 KLD, 555KLD, 260 KLD & 75KLD • STP technology: MBBR
Power	:	Power supply: <ul style="list-style-type: none"> • Connected Load: 51220 kW (64024 KVA) • Maximum Demand Load: 17267 kW (21584 KVA) • No. Of Transformers: 630kVA x 31 nos • DG Sets: Number and capacity of the DG sets to be used: 630kVA x 3 nos; 750kVA x 6 nos

Solid waste from :		For Operation Phase:
1. Biodegradable	:	3431kg /day
2. Non-biodegradable	:	2288 kg/day
3. STP sludge	:	243 kg/day

PART II**Environmental Management Plan**

Environmental Component	Phase	Project Activity	Potential Impacts	Mitigation Measures
Air Quality	Construction Phase	Site Clearance / Operation	Dust Pollution	Wetting of area before clearing. Erecting barricade around construction site.
		Heavy vehicle Maintenance / operation	Air Pollution Dust generation.	Trucks carrying earth, sand or stone shall be covered with tarpaulin to avoid spilling. All vehicles should have valid PUC
		Construction of Structures and earth work	Dust due to cutting and filling.	Water should be sprayed while construction activity is going on. All vehicles delivering materials should be properly covered. RMC will be used throughout the construction.
	Operation Phase	Traffic plying on road	Increase in Air Pollutant Concentration in some locations.	Smooth flow of traffic, Regulation of air pollution by legislation and public awareness.
		DG Set operation	Air Pollution	DG Sets adhering to CPCB Norms. Proper maintenance of DG Sets.
Noise Quality	Construction Phase	Heavy vehicle maintenance / operation	Increased vehicular noise	The vehicles use for construction activity should confirm to emission norms of CPCB.
		Construction of structures and earth work	Noise from Vibrators, Concrete Batching Plants etc.	Employing electrically operated construction equipment. Providing ear plugs for workers.
	Operation Phase	Vehicular traffic	Increased vehicular noise due to increased traffic	Ensuring smooth flow of traffic. Parking provided as per norms. Provision of trees

Environmental Component	Phase	Project Activity	Potential Impacts	Mitigation Measures
				along the periphery of the boundary wall shall act as noise buffer.
		DG Set operation	Increased noise level	DG Sets adhering to CPCB Norms. Proper maintenance of DG Sets.
Water	Construction Phase	Construction Staff water requirement	Strain on the water supply in the vicinity	Drinking water shall be purchased from market by tankers./ By municipality supply.
	Operation Phase	Building users water requirement	Strain on the water supply in the vicinity.	By municipality supply by tankers or by recycled water from STP.
Soil	Construction Phase	Storage of petroleum and other chemicals	Pollution due to spills and mixing of construction materials	Storage of all petroleum products must be located on impervious layers viz. concrete. The surface runoff of the storage site must pass through oil / grease traps.
		Construction Debris and Earth material	Pollution due to mixing of concrete with soil	Concrete and such debris should be stored in a container or separate location within the site and finally sent to disposal site.
		Transportation of hazardous material	Hazardous chemicals from accidental spills polluting surface water body nearby.	Transpiration of hazardous material and storage as per safety rules. Regulation on load carried and speed.
		Residual Paints/Solvents / Bituminous materials	Contamination of soil	Shall be given to authorized recyclers /site. Bituminous materials /any other chemicals shall not be allowed to leach into the soil.
		Heavy vehicle maintenance / operation	Oil Spillage	Most of the machines operating on the site will be electricity operated.

Environmental Component	Phase	Project Activity	Potential Impacts	Mitigation Measures
				Oil trays will be kept below all potential oil spillage points and oil shall be collected in trays and given to authorized recyclers/sites.
	Operation Phase	Operation	Soil contamination due to surface run off/Oil & grease dripping from vehicles	Oil & grease traps shall be installed on sewers and S.W.D. discharge points in to Municipal sewers and drains. The sludge collected from Oil separators should be disposed authorized dumping sites.
		Solid Waste generation	Improper disposal of plastic waste/kitchen waste and sludge of treatment plants can cause environmental hazards.	All the solid waste generated should be separated at the source. Dry garbage will be handed over to the authorized contractors Wet garbage shall be treated by vessel composting and shall be used as manure. The sludge generated by the Sewage Treatment Plant can be used for Gardening.
		Transpiration of hazardous material	Hazardous chemicals from accidental spill	Regulation on load carried and speed. Barriers to be erected near sensitive locations.
Even after taking precautions if soil is found to be contaminated, it shall be removed and disposed off to authorized site				
Ecology	Construction Phase	Construction of structures and earth work.	Migration of fauna due to construction	All the machines operating on the site will be electricity operated. Machines and vehicles should be maintained well to keep their noise at a minimum
		Transportation of	Loss of vegetation	Regulation on load

Environmental Component	Phase	Project Activity	Potential Impacts	Mitigation Measures
		hazardous materials	from chemical spills	carried and speed.
	Operation Phase	Operation	Increase exposure to anthropogenic activities.	Enactment and enforcement of laws regulating human intrusions.

PART -III**ALLOCATION MADE FOR ENVIRON-MENTAL MANAGEMENT PLANS****CAPITAL INVESTMENT FOR ECOFRIENDLY FEATURES****DURING CONSTRUCTION PHASE:**

S.No.	Parameter	Cost (Rs. In lacs)
1	Water For Dust Suppression	1.80
2	Air & Noise monitoring	0.72
3	Tanker water for construction	2.40
4	Water monitoring	0.60
5	Gardening	11.32
6	Disinfection- Pest Control	0.18
7	First Aid Facilities	0.18
8	Health Check Up	2.40
9	Creche for children	3.00
10	Labour camp maintenance	0.50
11	Personal protective equipment	0.18
12	Testing charges (Lifting machineries)	0.60
13	CFL lamps for labor hutments	1.92
Total		25.8

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STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

SEAC-III-2015/CR-17/TC-2

Environment department

Room No. 217, 2nd floor,

Mantralaya Annexe,

Mumbai- 400 032.

Dated: 4th June 2016

To,
M/s. Oxford Realty LLP.
501, Kensington Court,
Lane No. 5, Off North Main Road,
Koregaon Park, Pune- 411 001.

Subject: Environment clearance for proposed Residential development on Hissa No.1/1+1/2+1/3+1/4+1/5+1/6+1/7+1/8+1/9+1/10+1/11+1/15+1/17+1/18+1/20+1/21+1/22+1/23+1/24+1/25+1/26+1/28 at S.No.9to14, Village Keshavnagar Mundhawa, Tehsil Haveli, District Pune by M/s. Pinni Co-Operative Housing Society & Sharad Co Operative Housing Society, Developer Oxford Realty LLP.

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-III, Maharashtra in its 38th 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 97th meeting.

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

Brief Information of the project submitted by you is as-

1.	Name of Project	Godrej Infinity
2.	Project Proponent	Mr. Anirudha Uttam Seolekar 501 Kensington Court, Lane No. 5, Off North Main Road, Koregaon Park, Pune 411001 Phone: +91020 26158000
3.	Consultant	M/s. Ultra-Tech Environmental Consultancy & Laboratory
4.	Accreditation of consultant (NABET Accreditation)	NABET Certificate No. NABET/EIA1417/RA010
5.	Type of project: Housing project /Industrial Estate/SRA scheme/ MHADA /Township or others	Proposed Residential Development with convenient shopping
6.	Location of the Project	S.No 9 to 14, HISSA NO. 1/1 +1/2 +1/3 + 1/4+ 1/5+ 1/6+ 1/7+ 1/8+ 1/9 + 1/10+ 1/11+ 1/15 + 1/17+ 1/18+1/20 +1/21 +1/22+ 1/23+1/24+1/25+1/26+1/28, Keshavnagar

		Mundhawa, Tal: Haweli, Dist: Pune
7.	Whether in Corporation /Municipal/other area	Gram panchayat, Mundhwa
8.	Applicability of the DCR	Town Planning, Pune
9.	IOD/IOA/Concession document or any other form of document as applicable (Clarifying its conformity with local planning rules & provision)	Sanctions received vide letter no. PRN/NASR/03/2015 dated 23/03/2015 from the Town Planning plot area (1,73,800 m ²)
10.	Note on the initiated work (If applicable)	No work has been initiated
11.	LOI/ NOC from MHADA /Other approvals (If applicable)	Not Applicable
12.	Total Plot Area(sq.m.) Deductions Net Plot area	Total: 1,73,800.00 m ² Deductions: 3,666.45 m ² Net Plot area: 1,30,151.66 m ² .
13.	Permissible FSI (including TDR etc.)	2,08,139.06 m ²
14.	Proposed Built-up Area (FSI & Non-FSI)	FSI : 2,07,925.29 m ² Non FSI : 1,81,940.45 m ² Total BUA: 3,89,865.74 m ²
15.	Ground coverage Percentage (%) (Note: Percentage of plot not open to sky)	48,574.86 m ² (37%)
16.	Estimated Cost of the Project	INR 1709 Crs.
17.	No. of building & its configuration(s)	16 Residential Building,
18.	Number of tenants and shops	2660 Tenements + 24 Shops
19.	Number of expected residents/users	Fixed: 13300 Nos. Floating: 100 Nos.
20.	Tenant density per hector	204/Ha
21.	Height of the building(s)	Maximum Height : 99.86 m
22.	Right of way (Width of the road from the nearest fire station to the proposed building(s))	12 m. Yerwada Fire Brigade Station
23.	Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
24.	Existing structure(s)	No existing structure on site.
25.	Details of the demolition with disposal (If	N.A.

	applicable)	
26.	Total Water Requirement	<p>Dry season:</p> <p>Source: Gram panchayat Keshavnagar Mundhawa</p> <ul style="list-style-type: none"> • Total Water Requirement :1199 m³/day • Recycled water (Flushing): 602m³/day • Recycled water(Gardening): 102 m³/day • HVACMakeup: NA • Total Fresh water Requirement : 1199m³/day • Excess treated water: 700 m³/day • Swimming Pool: 12 m³/day (From Tankers) • Fire Fighting (m³): <p>Phase IA:300</p> <p>Phase II :300</p> <p>Phase III:200</p> <p>Phase IV:150</p> <p>Wet Season:</p> <ul style="list-style-type: none"> • Freshwater : 1199 m³/day • Recycled water(Flushing): 602 m³/day • Recycled water(Gardening): Nil • HVAC Makeup: NA • Total Fresh water Requirement : 1199 m³/day • Excess treated water: 802 m³/day • Swimming Pool: 12 m³/day(From Tankers) • Fire Fighting(m³) <p>Phase IA:300</p> <p>Phase II :300</p> <p>Phase III:200</p> <p>Phase IV:150</p> <p>Commercial: (Included in Residential)</p> <p>Dry season:</p> <p>Source:</p> <ul style="list-style-type: none"> • Freshwater: NA • Recycled water(Flushing):NA • Recycled water(Gardening):NA • HVAC Makeup :NA • Total Fresh water Requirement: NA • Excess treated water: NA • Swimming Pool: NA • Fire Fighting(Cum): Considered in Residential <p>Wet Season: NA</p>

		<ul style="list-style-type: none">• Freshwater: NA• Recycled water(Flushing):NA• Recycled water(Gardening):NA• HVAC Make up: NA• Total Fresh water Requirement: NA• Excess treated water: NA• Swimming Pool: NA• Firefighting(Cum):Considered in Residential																																																																
27.	Details about Swimming Pool:	<p>Dimension of Swimming Pool:</p> <ul style="list-style-type: none">• 10m x 25m x 1.25m• 15m x 25m x 1.25m <p>Water requirement for make up in KLD: 12</p> <p>Details of Plant &Machinery used for treatment of Swimming pool water:</p> <ul style="list-style-type: none">• Sand Filter• Carbon Filter• Hair Filter• Disinfection (Chlorination)• Pumping set <p>Details of quality to be achieved for swimming pool water and parameters to be monitored:</p> <table><tr><th>Sr.no</th><th>Characteristic</th><th>Unit</th><th>Tolerance</th></tr><tr><td>1</td><td>pH Value</td><td>----</td><td>7.5-8.5</td></tr><tr><td>2</td><td>Total Alkalinity as CaCO₃</td><td>mg/l</td><td>50-500</td></tr><tr><td>3</td><td>Aluminum (as Al)</td><td>mg/l</td><td>0-1</td></tr><tr><td>4</td><td>Total Residual Chlorine</td><td>mg/l</td><td></td></tr><tr><td>a</td><td>At inlet</td><td>mg/l</td><td>0.5</td></tr><tr><td>b</td><td>At Outlet</td><td>mg/l</td><td>0.2</td></tr><tr><td>5</td><td>Oxygen absorbed in 4 Hrs at 27^o C</td><td>mg/l</td><td>1.0</td></tr><tr><td>6</td><td>Total Dissolved Solids</td><td>mg/l</td><td>1500</td></tr><tr><td>7</td><td>Chloride</td><td>mg/l</td><td>500</td></tr><tr><td>8</td><td>Iron</td><td>mg/l</td><td>0.1</td></tr><tr><td>9</td><td>Heavy metal (as Pb)</td><td></td><td>0.1</td></tr><tr><td>10</td><td>Colour</td><td>Hazen Unit</td><td>10</td></tr><tr><td>11</td><td>Turbidity</td><td>NTU</td><td>10</td></tr><tr><td>12</td><td>Odour</td><td>Odourless</td><td>Odorless</td></tr><tr><td>13</td><td>Taste</td><td>Palatable</td><td>Palatable</td></tr></table>	Sr.no	Characteristic	Unit	Tolerance	1	pH Value	----	7.5-8.5	2	Total Alkalinity as CaCO ₃	mg/l	50-500	3	Aluminum (as Al)	mg/l	0-1	4	Total Residual Chlorine	mg/l		a	At inlet	mg/l	0.5	b	At Outlet	mg/l	0.2	5	Oxygen absorbed in 4 Hrs at 27 ^o C	mg/l	1.0	6	Total Dissolved Solids	mg/l	1500	7	Chloride	mg/l	500	8	Iron	mg/l	0.1	9	Heavy metal (as Pb)		0.1	10	Colour	Hazen Unit	10	11	Turbidity	NTU	10	12	Odour	Odourless	Odorless	13	Taste	Palatable	Palatable
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13	Taste	Palatable	Palatable																																																															
28.	Rainwater	<ul style="list-style-type: none">• Size and no of RWH tank(s) and Quantity:NA																																																																

	Harvesting(RWH)	<ul style="list-style-type: none"> • Location of the RWH Tank(s):NA • Size of the Recharge bore well: 3m x 3m x 3m • No of Recharge bore well: 21 nos. • Open Well system: 2 No.'s (5m dia x 5m deep) • Commercial: • No. of RWH tanks: NA • Capacity of RWH tanks: NA • Location of the RWH tank(s): NA • No of recharge pits: NA • Budgetary allocation <p>Capital cost: Rs.87.5 lacs O &M Cost: Rs. 5.0 Lacs/ Annum</p>
29.	UGT Tanks	<p>Residential:</p> <p>Location of the UGT Tanks:</p> <p>Domestic UG tank Capacity: (m³)</p> <p>Phase-IA: 150KL +300 KL</p> <p>Phase-II : 200 KL+200KL</p> <p>Phase -III:100KL+ 100KL</p> <p>Phase-IV: 20KL+35KL</p> <p>Flushing UG tank Capacity:</p> <p>Phase-IA:200KL</p> <p>Phase IB:150KL</p> <p>Phase-II : 210KL</p> <p>Phase -III:100KL</p> <p>Phase-IV :50KL</p> <p>Fire UG tank Capacity:</p> <p>Phase-IA: 300KL</p> <p>Phase-II : 300KL</p> <p>Phase -III:200KL</p> <p>Phase-IV : 150KL</p> <p>Commercial: Considered in Residential</p> <p>Domestic UG tank Capacity: NA</p> <p>Flushing UG tank Capacity: NA</p> <p>Fire UG tank Capacity: NA</p>
30.	Storm water drainage	<ul style="list-style-type: none"> • Natural water drainage pattern: South East to North West • Quantity of storm water: 7.1 cum/sec • Size of SWD: varying from 0.3x0.4 m to 1.00x1.30m at outfalls (in total 4 outfalls have been proposed)
31.	Sewage and Wastewater	<p>Residential:</p> <ul style="list-style-type: none"> • Sewage generation :1620 m³/day • Capacity of STP:335KLD, 400 KLD, 555KLD, 260 KLD & 75 KLD • STP technology: MBBR • Location Of STP :

		<p>Near Tower 3: 335 KLD Near Tower 5: 400 KLD Near Tower 8: 555 KLD Near Tower 12: 260 KLD Near Tower 16: 75 KLD</p> <ul style="list-style-type: none"> • Area:1,850 m² • DG sets: Considered in the common load. • Budgetary Allocation: <ul style="list-style-type: none"> • Capital Cost:Rs410 lacs • O & M cost : Rs 54 lacs/annum <p>Commercial: Considered in the Residential</p> <ul style="list-style-type: none"> • Sewage generation :NA • Capacity of STP:NA • STP technology: NA • Location Of STP : NA • Area: NA • DG sets: Considered in the common load. • Budgetary Allocation: <ul style="list-style-type: none"> • Capital Cost: NA • O & M cost : NA
32.	Solid Waste Management	<p>Waste generation in the pre-Construction and Construction phase:</p> <ul style="list-style-type: none"> • Quantity of the top soil to be preserved:36,287.5 m³ • Disposal of the construction debris:2,03,210.0 m³ <p>This material shall be used back filling .</p> <p>Residential Plot: Waste generation in the operational Phase:</p> <ul style="list-style-type: none"> • Bio-degradable waste: 3431/day • Non-Bio-degradable waste: 2288 kg/day • E-waste: NA • Hazardous waste: NA • Bio-medical waste (Kg/month) (If applicable): NA • STP sludge: 243 kg/day <p>Mode of Disposal of waste:</p> <ul style="list-style-type: none"> • Dry waste :Handed over to authorized recyclers. • Wet waste: Organic Waste Converter. • E-waste: NA • Hazardous waste: NA • Biomedical waste(Kg/month)(If applicable): NA • STP sludge: Used as Manure

		Area requirement: <ul style="list-style-type: none">• Location of OWC: Near Entrance• Area for the storage and treatment of the solid waste: 295 m² Budgetary allocation (Capital cost and O&M cost) <ul style="list-style-type: none">• Capital Cost: Rs.53.00 Lacs• O & M Cost: Rs. 8.00 Lacs /annum			
33.	Green Belt Development TotalRGArea:17,013.36 m ² Plantation: Number & list of trees species to be planted in the ground RG: 1810nos				
	Sr no.	Botanical Name	Common Name	Specifications	Nos.
	1	<i>Aegelemarmelos</i>	Bel	Small deciduous tree with edible fruits that attracts birds	15
	2	<i>Albizialebbeck</i>	Shirish	shade giving tree with a large canopy,Nitrogen Fixing tree.	25
	3	<i>Angoeissuslatifolia</i>	Dhawda	Large desiduous tree with fruits that attract birds	10
	4	<i>Anthocephalus kadamba</i>	Kadamba	Evergreen tree with large canopy and fragrant flowers.	15
	5	<i>Azadirachta indica</i>	Neem tree	Shady, Fast growing, large evergreen tree with white fragrant flowers	30
	6	<i>Bauhinia purpurea</i>	Kanchan	Small, deciduous tree with pink fragrant flowers, attracts butterflies	10
	7	<i>Bombaxceiba</i>	silk Cotton Tree	Medium canopy tree with birds and butterflies attracting flowers	15
	8	<i>Butea monosperma</i>	Flame of Forest	Large canopy tree with beautiful orange flowers and medicinal properties	11
	9	<i>Cassia fistula</i>	Golden shower tree	Medium, fast growing deciduous tree with yellow flowers, acts as butterfly host.	15
	10	<i>Cassia nodosa</i>	Pink Casia	Large canopy tree with showy ,birds and butterflies attracting flowers	20
	11	<i>Caryotaurens</i>	Fishtail Palm	tall growing palm, attracts birds , good for roadside planting	15
	12	<i>Cordia allamora</i>	Gondan	Small deciduous tree with edible fruits that attracts birds	15
	13	<i>Crataeva religiosa</i>	Varun	Medium canopy tree which comes along river	10
	14	<i>Dalbergialanceolaria</i>	Phanshi	Small deciduous tree with edible fruits that attracts birds	15
	15	<i>Dalbergialatifolia</i>	Shisam	Large desiduous tree with edible fruits that attracts birds	10
	16	<i>Sesbania grandiflora</i>	Agati	Beautiful flowers ,Nitrogen fixing tree	15
	17	<i>Tamarindus indica</i>	Tamrind	Long lived tropical evergreen tree with a spreading crown and evergreen foliage, with brown sticky fruit of sour taste.	25

18	<i>Tectonagrandis</i>	Teak	Large deciduous tree, that attract birds .	15
19	<i>Terminalia bellirica</i>	Beheda	Large deciduous tree, that attract birds	10
20	<i>Terminalia catappa</i>	Indian Almond Tree	Shady, medium sized tree. Forms its canopy like an umbrella. And good nesting habitat and food source for birds .	25
21	<i>Erythrinaindica</i>	Pangara	Large canopy tree with beautiful red flowers	20
22	<i>Ficusbenghalensis</i>	Wad	Large canopy tree, forms nesting habitat for birds	10
23	<i>Ficusglomerata</i>	Umber	Large canopy tree, forms food source and nesting habitat for birds.	15
24	<i>Ficusmicrocarpa</i>	Nandruk	Large evergreen tree forming nesting habitat for birds	15
25	<i>Hardwickiabinata</i>	Anjan	Large deciduous tree that attracts bird	15
26	<i>Largerstroemiaflo sreginae</i>	Pride of India	Shady, medium sized tree with beautiful purple flowers. Also known as the State flower tree of Maharashtra.	15
27	<i>Madhucalongifolia</i>	Moha	Large deciduous tree, that attract birds	15
28	<i>Mesuaferrea</i>	Nagkesar	Flowering, medicinal tree with birds and butterflies attracting flowers	10
29	<i>Micheliachampaca</i>	Champak Tree	Shady, medium sized evergreen tree with fragrant yellow flowers. Acts as a butterfly host.	25
30	<i>Millingtoniahortensis</i>	Indian Cork Tree	Shady ,large, evergreen tree with white fragrant flowers	20
31	<i>Mimusopselengi</i>	Bakul	Large evergreen tree with fragrant flowers, attracts bees, birds	30
32	<i>Moringaoleifera</i>	Drumstick Tree	Edible vegetable ,Nitrogen Fixing tree.	10
33	<i>Ougeiniaoojeinensis</i>	Kala Palas	Large deciduous tree with beautiful flowers that attracts birds	20
34	<i>Plumeria alba</i>	Frangipani White	Small, evergreen ornamental tree with white fragrant flowers	15
35	<i>Pongamiapinnata</i>	Karan	Large deciduous tree that attracts birds	15
36	<i>Putranjivaroxburg hii</i>	Putranjiva tree	Shady, medium sized tree with drooping form.	15
37	<i>Salix tetrasperma</i>	Indian Willow	Shady, medium sized tree. And good nesting habitat and food source for birds and good riparian tree	10
38	<i>Saracaasoca</i>	Sitaashok Tree	Shady, medium sized tree with red and yellow flowers.	15
39	<i>Schlecheiraoleosa</i>	Kusum Tree	Shady, medium sized tree. And good nesting habitat and food source for birds	10

40	<i>Annonacherimola</i>	Custard Apple	Decidious tree grows well in warm climatic conditions, can tolerate long periods of dry weather	15
41	<i>Atrocarpusintegrifolia</i>	Jackfruit	Nesting habitat for birds. Dense foliage creates nice shade under it.	20
42	<i>Atrocarpuslachuc</i>	Breadfruit	Large tree, nesting habitat for birds and bears ample fruits during season.	15
43	<i>Carica papaya</i>	Papai	Grows well in warm conditions and attracts bees	20
44	<i>Carissa Caranda</i>	Karanda	Native trees bearing bright color fruits, attracting birds. Planted along slopes and has excellent soil-retention capacity	20
45	<i>Citrofortunellamitis, Citrus mitis</i>	Orange	Plants require maximum sunlight to flower and fruit properly.	20
46	<i>CocosNucifera</i>	Coconut Tree	Known as Kalpataru -since every part of the tree is used.	30
47	<i>Emblicaofficinalis</i>	Aawala	Small deciduous tree that bears medicinal fruits.	30
48	<i>Ficuscarica</i>	Anjeer	Delicious variety. Attracts a lot of birds. Needs a sunny location and less water.	25
49	<i>Mangiferaindica</i>	Mango	Strawberry is an attractive, licious, tasty and nutritious fruit with a distinct and pleasant aroma, and delicate flavour	30
50	<i>Manilkarazapota</i>	Chickoo	A real tasty variety of Sapota. The tree too is very ornamental and evergreen. One of the easiest to take care of. Plants are slow growing.	20
51	<i>Musa cavendishii</i>	Banana	Year-around flowering, Flowers in flushes throughout the year	20
			Total	1810 nos
EXISTING TREES				
		Botanical Name		Nos
		<i>Acacia odoratissima</i>		11
		<i>Acacia catechu</i>		21
		<i>Azardirachtaindica</i>		23
		<i>Dalbergiasissoo</i>		22
		<i>Acacia auriculiformis</i>		33
		<i>Ficusreligiosa</i>		1
		<i>Inga dulcis</i>		2
		<i>Phoenix dactylifera</i>		1
		<i>Thevetiaperuviana</i>		31
		Unknown		1
		Total		146 nos

	<ul style="list-style-type: none">Number&listtreesspeciess to be planted around the border of nallah/steam/po nd (If any):NANumber, Size, Age and Species of trees to be cut, trees to be transplanted: NANo of existing trees :146 nos.No of trees to be retained: 128No of trees to be cut: NilNo of trees to be transplanted: 18NOC for the tree cutting/ transplantation/ Compensatory plantation, if any: NA <p>Budgetary allocation: Capital Cost- Rs. /- 574 lacs O&M Cost: Rs./- 57.4 Lacs/ annum</p>																																																				
34.	<p>Energy</p> <p>Total Power Consumption for: Residential:</p> <ul style="list-style-type: none">Source of supply: MSEDCLConnected Load: 51220 kW (64024 KVA)Maximum Demand Load: 17267 kW (21584 KVA)No. Of Transformers: 630kVA x 31 nosDG Sets: Number and capacity of the DG sets to be used: 630kVA x 3 nos 750kVA x 6 nosTotal DG power consumption for clubhouse and commercial buildings: To be considered in Residential. <p>Energy saving measures:</p> <ul style="list-style-type: none">CFL lighting for roads and common areas like building corridors and facade lightingSolar Street LightingSolar Water Heating <p>Detail Calculation & % of saving :30 %</p> <table><tr><th colspan="6">Energy Saving Calculations</th></tr><tr><th rowspan="2"></th><th colspan="2">Base Case</th><th colspan="2">Energy Saving</th><th rowspan="2">Saving (%)</th></tr><tr><th>TCL (KW)</th><th>MD (KW)</th><th>TCL (KW)</th><th>MD (KW)</th></tr><tr><td>Green Area - Landscape</td><td>166</td><td>157</td><td>174</td><td>139</td><td>12</td></tr><tr><td>Street Light</td><td>43</td><td>34</td><td>26</td><td>21</td><td>40</td></tr><tr><td>Parking (Light + Socket) Building Façade, Building Periphery, Corridor & Staircase Lighting</td><td>684</td><td>547</td><td>405</td><td>325</td><td>41</td></tr><tr><td>Club House</td><td>439</td><td>352</td><td>310</td><td>248</td><td>30</td></tr><tr><td>Electrical Water Heater replacing Solar Water Heater</td><td>2624</td><td>2099</td><td>1815</td><td>1532</td><td>27</td></tr><tr><td colspan="5">THEREFORE AVERAGE ANNUAL ENERGY SAVINGS IN %:</td><td>30</td></tr></table> <ul style="list-style-type: none">Budgetary allocation (capital Cost & O& M Cost) Capital Cost – Rs. 347 lacs O & M Cost – Rs 15 Lacs/Annum.	Energy Saving Calculations							Base Case		Energy Saving		Saving (%)	TCL (KW)	MD (KW)	TCL (KW)	MD (KW)	Green Area - Landscape	166	157	174	139	12	Street Light	43	34	26	21	40	Parking (Light + Socket) Building Façade, Building Periphery, Corridor & Staircase Lighting	684	547	405	325	41	Club House	439	352	310	248	30	Electrical Water Heater replacing Solar Water Heater	2624	2099	1815	1532	27	THEREFORE AVERAGE ANNUAL ENERGY SAVINGS IN %:					30
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		Number and capacity of the DG Sets to be used: • 630kVA x 3nos • 750 kVA x 6nos																																																																				
35.	Environmental Management plan Budgetary Allocation: During Construction Phase: Rs.25.8 lacs During Operational Phase: Rs. 1679.97 lacs																																																																					
36.	Traffic Management: Traffic generated from this project will confluent on 45 m wide existing Kharadi-Mundhwa by pass road. Parking Details : <table><tr><td>Criteria</td><td>Car</td><td>Scooter</td><td>Cycles</td></tr><tr><td>4 tenements having carpet area less than 50 m² 0 car, 5 scooter, 5 cycles</td><td>0</td><td>5</td><td>5</td></tr><tr><td>For 252 Tenements</td><td>0</td><td>315</td><td>315</td></tr><tr><td>3 tenements having carpet area between 50 m² to 100 m² 1 car, 3 scooter, 3 cycles</td><td>1</td><td>3</td><td>3</td></tr><tr><td>For 2408 tenements</td><td>803</td><td>2408</td><td>2408</td></tr><tr><td>Visitors Parking 1 each for 10 Tenements</td><td>80</td><td>266</td><td>266</td></tr><tr><td>Total Parking Required</td><td>883</td><td>2989</td><td>2989</td></tr></table> <table><tr><td>Particulars</td><td>Cars</td><td>Scooter</td><td>Cycle</td></tr><tr><td>Total Parking Required</td><td>883</td><td>2989</td><td>2989</td></tr><tr><td>Total Parking Provided</td><td>963</td><td>2995</td><td>2995</td></tr></table> <p>Width of all Internal roads (m) :Width of driveways is minimum 9m wide & turning radius is more than 9m. Parking Efficiency Statement:</p> <table><tr><th colspan="6">Parking Efficiency Statement</th></tr><tr><th rowspan="2">Level</th><th rowspan="2">Reqd.Equiv. Car space m² per MOEF/ NBC norms</th><th>Prop.car Prkg.nos</th><th rowspan="2">Reqd area for prop parking (as per NBC norms)</th><th rowspan="2">Proposed Parking Area</th><th rowspan="2">Prop. Equiv Car Space (m²)</th></tr><tr><th>4W</th></tr><tr><th>A</th><th>B</th><th>C</th><th>D (B x C)</th><th>E (At Actual)</th><th>F (E/C)</th></tr><tr><td>Covered parking</td><td>30</td><td>1999</td><td>59985</td><td>73264</td><td>36</td></tr></table>					Criteria	Car	Scooter	Cycles	4 tenements having carpet area less than 50 m ² 0 car, 5 scooter, 5 cycles	0	5	5	For 252 Tenements	0	315	315	3 tenements having carpet area between 50 m ² to 100 m ² 1 car, 3 scooter, 3 cycles	1	3	3	For 2408 tenements	803	2408	2408	Visitors Parking 1 each for 10 Tenements	80	266	266	Total Parking Required	883	2989	2989	Particulars	Cars	Scooter	Cycle	Total Parking Required	883	2989	2989	Total Parking Provided	963	2995	2995	Parking Efficiency Statement						Level	Reqd.Equiv. Car space m ² per MOEF/ NBC norms	Prop.car Prkg.nos	Reqd area for prop parking (as per NBC norms)	Proposed Parking Area	Prop. Equiv Car Space (m ²)	4W	A	B	C	D (B x C)	E (At Actual)	F (E/C)	Covered parking	30	1999	59985	73264	36
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37.	CRZ/RRZ clearance	Applied																																																																				

	obtain, if any	
38.	Distance from Protected Areas/Critically Polluted areas/Eco-sensitive areas /inter-State boundaries	N.A

3. The proposal has been considered by SEIAA in its 97th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions :-

General Conditions for Pre- construction phase:-

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

General Conditions for Construction Phase-

- 36
- (i) Provision shall be made for the housing of construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche and First Aid Room etc.
 - (ii) Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
 - (iii) The solid waste generated should be properly collected and segregated. dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
 - (iv) Disposal of 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.
 - (v) Arrangement shall be made that waste water and storm water do not get mixed.
 - (vi) All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
 - (vii) Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
 - (viii) Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
 - (ix) Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.
 - (x) Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.
 - (xi) Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.
 - (xii) The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.
 - (xiii) The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.

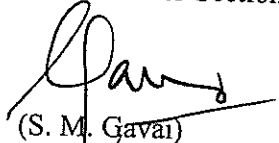
- (xiv) Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
- (xv) Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/MPCB.
- (xvi) Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations).
- (xvii) Ready mixed concrete must be used in building construction.
- (xviii) The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of firefighting equipments etc. as per National Building Code including measures from lighting.
- (xix) Storm water control and its re-use as per CGWB and BIS standards for various applications.
- (xx) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- (xxi) The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.
- (xxii) The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.
- (xxiii) Permission to draw ground water and construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.
- (xxiv) Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.
- (xxv) Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.

- JS
- (xxvi) Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.
 - (xxvii) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.
 - (xxviii) Energy conservation measures like installation of CFLs /TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible like installing solar street lights, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional energy source as source of energy.
 - (xxix) Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.
 - (xxx) Noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.
 - (xxxi) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.
 - (xxxii) Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspiration for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.
 - (xxxiii) The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
 - (xxxiv) Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.
 - (xxxv) Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.
 - (xxxvi) Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.

General Conditions for Post- construction/operation phase-

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

- (xii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
- (xiii) The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.
4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.
5. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environmental Clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.
6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.
7. **Validity of Environment Clearance:** The environmental clearance accorded shall be valid for a period of 7 years as per MoEF&CC Notification dated 29th April, 2015.
8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.
9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.
10. Any appeal against this environmental clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D-, Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.


(S. M. Gavai)
Member Secretary, SEIAA

Copy to:

1. Shri. Jagdish Joshi, Chairman, IAS (Retd.). SEAC-III, Flat no. 3, Tahiti chs. Juhu Vers Ova Link Road, Andheri (W), Mumbai- 400 053.

2. Additional Secretary, MOEF, 'MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
3. The CCF, Regional Office, Ministry of Environment and Forest (Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No- 3, E-5, Ravi-Shankar Nagar, Bhopal- 462 016). (MP).
4. IA- Division, Monitoring Cell, MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
5. Managing Director, MSEDCL, MG Road, Fort, Mumbai
6. Collector, Pune.
7. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.
8. Regional Office, MPCB, Pune.
9. Select file (TC-3)

(EC uploaded on 20/06/2016)

MAHARASHTRA POLLUTION CONTROL BOARD

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



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

Consent order No: - Format1.0/BO/CAC-cell/EIC-PN-26720-15/CE/CAC-7801

Date-14/06/2016

To,
M/s. Pinni Co-op. Housing Society &
Sharad Co-op Housing society Developer Oxford Realty LPP,
"Godrej Infinity", Keshavnagar, Mundhwa, Pune.

Subject: Consent to Establish for Construction of Residential Complex under ORANGE category.

Ref :

1. Your Application approved in 13th CAC meeting of 2015-2016 held on 25.01.2016.

Your application CE1509000758

Dated: 26.08.2015

For: Consent to Establish for Construction of Residential Complex under Section 25 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 5 of the Hazardous Wastes (M, H & T M) Rules 2008 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. The Consent to Establish is granted for a period up to: commissioning of the project or 5 years whichever is earlier.
2. The proposed capital investment of the project is Rs. 1709 Crs (As per C.A. Certificate submitted by project proponent).
3. The Consent to Establish is valid for Construction of Residential Complex of M/s. Pinni Co-op. Housing Society & Sharad Co-op Housing society Developer Oxford realty LPP "Godrej Infinity", S.No. 9 to 14, Hissa No. 1/1 + 1/2 + 1/3 + 1/4 + 1/5 + 1/6 + 1/7 + 1/8 + 1/9 + 1/10 + 1/11 + 1/15 + 1/17 + 1/18 + 1/20 + 1/21 + 1/22 + 1/23 + 1/24 + 1/25 + 1/26 + 1/28, Keshavnagar, Mundhwa, Tal. haveli, Dist. Pune. on Total Plot Area of 1,73,800 Sq. mtrs. and Total Construction BUA of 3,89,865.74 Sq. mtrs including utilities and services as per construction commencement certificate issued by local body.
4. Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr. no.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	Nil	NA	N.A.
2.	Domestic effluent	1561	As per Schedule -I	The treated effluent shall be 60% (i.e. 937 CMD) recycled for secondary purposes such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall be connected to the sewerage system provided by local body.

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

Sr. No.	Description of stack/ source	Number Of Stack	Standards to be achieved
1	DG set (4 x 630 KVA)	4	As Per Schedule -II
2	DG Set (6 x 750 KVA)	6	As Per Schedule

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

Sr. No.	Type Of Waste	Quantity	Treatment	Disposal
1	Wet Garbage	4199 kg/day	Organic Waste Convertor	use as manure
2	Dry Garbage	1817 kg/day	-	Hand over to local body or sale for recycle
3	STP sludge	234 Kg/day	-	use as manure

7. Conditions under E-Waste (Management and Handling) Rule, 2011 :

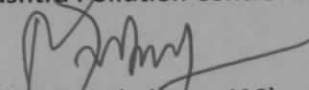
Sr. No.	Type Of Waste	Quantity	Treatment	Disposal
1	E-waste	As actual	Nil	Through authorized recyclers

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

Sr. No.	Type Of Waste	Quantity	UOM	Treatment	Disposal
There shall not be generation of any type of hazardous waste					

- The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
- This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
- The applicant shall submit an affidavit in prescribed format regarding compliance of conditions of Environmental Clearance and Consent to Establish.
- Consent to Operate shall be considered after confirming the connectivity of the municipal sewer line to the project site.
- The applicant should not take any effective steps for implementation of the project before obtaining Environmental Clearance as per EIA Notification 2006 and amendments thereto. As per Para 2 of EIA notification dated-14/09/2006, the effective steps include starting of any construction work or preparation of land by the project management. However as clarified by the MoEF vide office memorandum no. J-1103/41/2006-IA.II(I); Dated-19/8/2010, fencing of the site to protect it from getting encroached & construction of temporary shed(s) for the guard(s) & acquisition of land shall not be treated as an effective steps.

For and on behalf of the
Maharashtra Pollution Control Board


(Dr. P. Anbalagan, IAS)
Member Secretary

Received Consent fee of –

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	34,18,100/-	894659	16.06.2015	HDFC Bank

Copy to:

- Regional Officer, Pune and Sub-Regional Officer MPCB, Pune-II
-- They are directed to ensure the compliance of the consent conditions.
- Chief Accounts Officer, MPCB, Mumbai.
- CC/CAC desk- for record & website updation purposes.

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

- 1) A] As per your application, you have proposed to install 05 nos. of Sewage Treatment Plants (STPs) with the design capacity of 335+400+555+260+75 CMD based on MBBR Technology.
- B] The Applicant shall operate the effluent treatment plant (STP) to treat the sewage so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

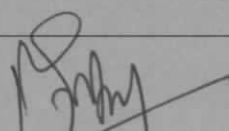
Sr No.	Parameters	Standards prescribed by Board
		Limiting Concentration in mg/l, except for pH
01	BOD (3 days 27oC)	10
02	Suspended Solids	10
03	COD	50
04	Residual Chlorine	1ppm

C) The treated effluent shall be 60% (i.e 937 CMD) recycled for secondary purposes such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall be connected to the sewerage system provided by local body. In no case, effluent shall find its way to any water body directly/indirectly at any time. Project proponent shall provide flow meter to ensure 60% recycling of treated sewage and shall maintain the record with data logging system. Project Proponent shall achieve the treated domestic effluent standard for the parameter BOD-10 mg/lit. and shall install online monitoring system.

- 2) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or and extension or addition thereto.
- 3) The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
- 4) In case, the water consumption of the project is not covered under the water consumption of local body, in that situation, the project proponent shall submit the CESS Returns in the prescribed format given under the provision of Water (Prevention & Control of Pollution) Cess Act, 1977 and Rules made there under for various category of water consumption.

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

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	0.00
2.	Domestic purpose	Fresh water 1199 CMD
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	0.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00



Schedule-II

Terms & conditions for compliance of Air Pollution Control:

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

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type Of Fuel	Quantity	S%
1	DG set (4 x 630 KVA)	Acoustic enclosure	6.1* each	Diesel	1047.96 lit/Hr	1
2	DG Set (6 x 750 KVA)	Acoustic enclosure	5.5* each	Diesel		1

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

2. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards.

Particulate matter	Not to exceed	150 mg/Nm ³ .
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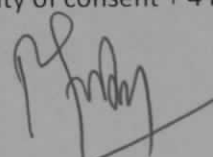
3. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement alteration well before its life come to an end or erection of new pollution control equipment.
4. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).

Schedule-III Details of Bank Guarantees

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

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

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



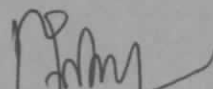
Schedule-IV

Conditions during construction phase:

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

General Conditions:

- 1) The applicant shall provide facility for collection of samples of sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 2) The firm shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act 1986 and Municipal Solid Waste (Management & Handling) Rule 2000, Noise (Pollution and Control) Rules, 2000 and E-Waste (Management & Handling) Rule 2011.
- 3) Drainage system shall be provided for collection of sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No sewage shall be admitted in the pipes/sewers downstream of the terminal manholes. No sewage shall find its way other than in designed and provided collection system.
- 4) Vehicles hired for bringing construction material to the site should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
- 5) Conditions for D.G. Set
 - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - b) Applicant should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
 - c) Applicant should make efforts to bring down noise level due to DG set, outside their premises, within ambient noise requirements by proper siting and control measures.
 - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
 - f) D.G. Set shall be operated only in case of power failure.
 - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - h) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel.
- 6) Solid Waste – The applicant shall provide onsite municipal solid waste processing system & shall comply with Municipal Solid Waste (Management & Handling) Rule 2000 & E-Waste (M & H) Rule 2011.
- 7) Affidavit undertaking in respect of no change in the status of consent conditions and compliance of the consent conditions the draft can be downloaded from the official web site of the MPCB.
- 8) Applicant shall submit official e-mail address and any change will be duly informed to the MPCB.
- 9) The treated sewage shall be disinfected using suitable disinfection method.
- 10) The firm shall submit to this office, the 30th day of September every year, the environment statement report for the financial year ending 31st march in the prescribed Form-V as per the provision of rule 14 of the Environmental (Protection) Second Amended rule 1992.
- 11) **The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before commissioning of the project.**



POLLUTION MONITORING REPORT

FOR

M/s. OXFORD REALTY LLP.

FOR YOUR SITE

GODREL INFINITY
AT KESHAVNAGAR, MUNDHWA, PUNE

SURVEY CARRIED ON:

MAY 18, 2017

PREPARED BY:

M/s. ULTRA - TECH
AIR & WATER POLLUTION CONSULTANTS

OFFICE NO. 201,202,203,204, SAUDAMINI COMMERCIALCOMPLEX, BUILDING
C3, 2ND FLOOR, RIGHT BHUSARI COLONY, PAUD ROAD, KOTHRUD, PUNE-
411038 Tel. No. 2528 6109 , 2528 6106 Fax No. 5380148

E-mail: pune@ultratech.in

Visit @: www.ultratech.in



Environmental Consultancy & Laboratory
Lab. Recognised by MoEF-Govt. of India)

ISO 9001:2008
OHSAS 18001 : 2007

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Paud Road, Kothrud, Pune - 411038. Tel. : +91-20-25 28 6106 / 25 28 6109 Email : pune@ultratech.in

M/s. OXFORD REALTY LLP.
FOR YOUR SITE
GODREL INFINITY
AT KESHAVNAGAR, MUNDHWA, PUNE

AMBIENT AIR QUALITY MONITORING REPORT

Ref No: UT/P/ELS/R/163A/2017Date: 25.05.2017			
Lab Code: UT/L/A/157A			
SR.NO.	DETAILS	LOCATION NO.1	UNITS
1	Date of Sampling	18.05.2017	--
2	Location of the Sampling	Near Main Gate	--
3	Ambient Air Temp. -		
	- (Max.)	37.6	°C
	- (Min.)	23.7	°C
4	Relative Humidity -		
	- (Max.)	57.0	%
	- (Min.)	37.0	%
5	POLLUTANTS		
a)	Particulate Matter - (PM ₁₀)	64.8	µg/m ³
b)	Particulate Matter - (PM _{2.5})	29.5	µg/m ³
c)	Sulphur Di-Oxide - (SO ₂)	16.1	µg/m ³
d)	Oxides Of Nitrogen -(NO _x)	23.4	µg/m ³

NATIONAL AMBIENT AIR QUALITY STANDARDS, SCHEDULE-VII Rule-3(3B)
The Gazette of India with Effect from Monday, November 16, 2009/KARTIKA 25, 1931

Sr. No.	Pollutants	Time Weighted Average	National Ambient Air Quality Standards	
			Industrial, Residential, Rural and Other Area	Ecological Sensitive area (Notified by Central Government)
1.	SO2	24 hours	80	80
2.	NOx	24 hours	80	80
3.	PM – 10	24 hours	100	100
4.	PM – 2.5	24 hours	60	60

-END OF REPORT-

For, ULTRA TECH

KISHOR SAWANT
AUTHORIZED SIGNATORY



Environmental Consultancy & Laboratory
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Paud Road, Kothrud, Pune - 411038. Tel. : +91-20-25 28 6106 / 25 28 6109 Email : pune@ultratech.in

M/s. OXFORD REALTY LLP.
FOR YOUR SITE
GODREL INFINITY
AT KESHAVNAGAR, MUNDHWA, PUNE

AMBIENT AIR QUALITY MONITORING REPORT

Ref No: UT/P/ELS/R/163B/2017			Date: 25.05.2017
Lab Code: UT/L/A/157B			
SR.NO.	DETAILS	LOCATION NO.2	UNITS
1	Date of Sampling	18.05.2017	--
2	Location of the Sampling	Near Site Office	--
3	Ambient Air Temp. -	37.6	°C
	- (Max.)	23.7	°C
4	Relative Humidity -	57.0	%
	- (Min.)	37.0	%
5	POLLUTANTS		
a)	Particulate Matter - (PM ₁₀)	59.6	µg/m³
b)	Particulate Matter - (PM _{2.5})	21.0	µg/m³
c)	Sulphur Di-Oxide -(SO ₂)	12.4	µg/m³
d)	Oxides Of Nitrogen -(NO _x)	22.9	µg/m³

NATIONAL AMBIENT AIR QUALITY STANDARDS, SCHEDULE-VII Rule-3(3B)
The Gazette of India with Effect from Monday, November 16, 2009/KARTIKA 25, 1931

Sr. No.	Pollutants	Time Weighted Average	National Ambient Air Quality Standards	
			Industrial, Residential, Rural and Other Area	Ecological Sensitive area (Notified by Central Government)
1.	SO2	24 hours	80	80
2.	NOx	24 hours	80	80
3.	PM – 10	24 hours	100	100
4.	PM – 2.5	24 hours	60	60

-END OF REPORT-

For, ULTRA TECH

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AT KESHAVNAGAR, MUNDHWA, PUNE

AMBIENT AIR QUALITY MONITORING REPORT

Ref No: UT/P/ELS/R/163C/2017			Date: 25.05.2017
Lab Code: UT/L/A/157C			
Sr. No.	DETAILS	LOCATION NO. - 03	UNITS
1	Date of Sampling	18.05.2017	--
2	Location of the Sampling	On Construction Site	--
3	Ambient Air Temp. - - (Max.) - (Min.)	37.6 23.7	°C
4	Relative Humidity - -(Max) - (Min.)	57.0 37.0	%
5	POLLUTANTS		
a)	Particulate Matter - (PM ₁₀)	68.1	µg/m ³
b)	Particulate Matter - (PM _{2.5})	14.5	µg/m ³
c)	Sulphur Di-Oxide - (SO ₂)	16.8	µg/m ³
d)	Oxides Of Nitrogen -(NO _x)	21.2	µg/m ³

NATIONAL AMBIENT AIR QUALITY STANDARDS, SCHEDULE-VII Rule-3(3B)
The Gazette of India with Effect from Monday, November 16, 2009/KARTIKA 25, 1931

Sr. No.	Pollutants	Time Weighted Average	National Ambient Air Quality Standards	
			Industrial, Residential, Rural and Other Area	Ecological Sensitive area (Notified by Central Government)
1.	SO ₂	24 hours	80	80
2.	NO _x	24 hours	80	80
3.	PM – 10	24 hours	100	100
4.	PM – 2.5	24 hours	60	60

-END OF REPORT-

For, ULTRA TECH



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GODREL INFINITY
AT KESHAVNAGAR, MUNDHWA, PUNE

AMBIENT NOISE LEVEL MONITORING REPORT

Date of Survey: -18.05.2017

Ref No: UT/P/ELS/R/163D/2017		Date: 25.05.2017	
SR. NO.	LOCATION	NOISE LEVEL IN dB (A) Leq	
		(Day Time)	(Night Time)
1.	Near Main Gate	52.9	41.3
2.	Near Site Office	51.6	41.7
3.	On Construction Site	54.2	43.6

AMBIENT NOISE LEVEL STANDARDS

Category Of Area	Limits in dB (A)Leq	
	Day Time (6 am – 10 pm)	Night Time (10 pm – 6 am)
Industrial Area	75	70
Commercial Area	65	55
Residential Area	55	45
Silence Zone	50	40

-END OF REPORT-

For, ULTRA TECH



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M/s. OXFORD REALTY LLP.
FOR YOUR SITE
GODREL INFINITY
AT KESHAVNAGAR, MUNDHWA, PUNE

DRINKING WATER ANALYSIS REPORT

Ref No: UT/P/ELS/R/163E/2017		Date: 25.05.2017	
Lab Code: UT/L/W/139			
Nature of Sample	Drinking Water		
Date of Sampling	18.05.2017		
Date of Receipt	19.05.2017		
Date of Analysis	19.05.2017 To25.05.2017		
PARAMETERS	CONCENTRATION	STANDARD (IS:10500 -2012)	UNIT
PHYSICAL PARAMETERS:-			
Turbidity	<1	1.0	NTU
Colour	<5	5.0	Hazen
Odour	Agreeable	Agreeable	---
Taste	Agreeable	Agreeable	---
CHEMICAL PARAMETERS:-			
pH	7.12	6.5 – 8.5	---
Total Dissolved Solids	96	500	mg/l
Chlorides	22	250	mg/l
Sulphate	14	200	mg/l
Total Hardness	36	200	mg/l
Ca-Hardness	16.8	75	mg/l
Mg-Hardness	09.4	30	mg/l
Residual Chlorine	BDL	0.2	mg/l
Phenolic compounds	BDL	0.001	mg/l
Alkalinity	44	200	mg/l
BACTERIOLOGICAL PARAMETERS:			
Total Coliform	Absent	0org/100ml	Org/100ml
E. coli	Absent	Absent	--

-END OF REPORT-

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M/s. OXFORD REALTY LLP.
FOR YOUR SITE
GODREL INFINITY
AT KESHAVNAGAR, MUNDHWA, PUNE

SOIL ANALYSIS REPORT

Ref No: UT/P/ELS/R/163F/2017		Date: 25.05.2017
Nature of Sample	Soil Sample	
Lab code	UT/L/S/72	
Date of Sampling	18.05.2017	
Date of Receipt	19.05.2017	
Date of Analysis	19.05.2017 To 25.05.2017	
PARAMETERS	CONCENTRATION	
	Project Site	UNIT
pH	7.14	--
Colour	Brownish	--
Conductivity	0.321	mS/cm
Moisture Content	3.5	%
Organic Matter	1.3	%
Total Organic Carbon	0.5	%
Calcium as Ca	52	mg/kg
Magnesium as Mg	24	mg/kg
Sodium as Na	224	mg/kg
Available Nitrogen as N	363	mg/kg
Available Phosphorous as P2O5	45	mg/kg
Available Potassium as K2O	122	mg/kg
Cadmium as Cd	≤0.5	mg/kg
Chromium as Cr	58	mg/kg
Copper as Cu	221	mg/kg
Lead as Pb	≤10	mg/kg
Manganese as Mn	612	mg/kg
Zinc as Zn	108	mg/kg
Iron as Fe	3589	mg/kg

-END OF REPORT-

For,ULTRA TECH

KISHOR SAWANT
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GOVERNMENT OF MAHARASHTRA

No.MFS/51/2014/563

Tel No. 2667 7555

Fax No.2666 0287

Directorate of Maharashtra Fire Services

Maharashtra Fire Service Academy

Vidyanagri, Hans Bhugra Marg,

Santacruz (East), Mumbai – 400 098

Date: 27/11/14

M/s. Sharad & Pinni Co-operative Housing Society Ltd,

Hissa No.1/1+1/2+1/3+1/4+1/5+1/6+1/7+1/8+

1/9+1/10+1/11+1/15+1/17+1/18+1/20+1/21+

1/22+1/23+1/24+1/25+1/26+1/28, At S no-9 to 14,

Mundhawa, Tal-Haweli, Dist-Pune

Sub: Grant of "Provisional No-Objection Certificate" for your proposed Residential Building on Hissa No. 1/1 +1/2 + 1/3 +1/4 + 1/5 + 1/6 + 1/7 + 1/8 + 1/9 + 1/10 + 1/11 + 1/15 + 1/17 + 1/18 + 1/20 + 1/21 + 1/22 + 1/23 + 1/24 + 1/25 + 1/26 + 1/28 at Survey No. 9 to 14, Mundhawa, Tal-Haweli, Dist-Pune.

Ref: Online Application. No. MFSPUN0094023112014, Dated; 23.11.14

Dear Sir,

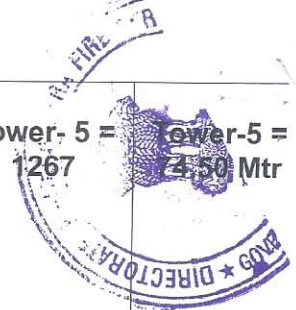
This has reference to the above. This office has No Objection for **(Provisional)** Fire Approval for following proposed construction of Residential Occupancy (High Rise Apartment).

Total Plot area is **1,73,800.00 Sq Mtrs** and Proposed built up area is **2,91,724.19 Sq Mtrs**. The detail of the proposed Construction is as under.

Residential Building - : Cluster – 1 (Tower 1 To Tower 5)

Sr. No	Name Of The Floor	Tower 1	Tower 2	Tower 3	Tower 4	Tower 5	Occupant Load	Height
01.	Ground Floor	---	---	---	---	---		
02.	First Floor	370.35	454.68	716.42	712.99	730.14	Tower-1 = 830	Tower-1 = 91.30 Mtr
03.	Second Floor	370.35	454.68	716.42	712.99	730.14		
04.	Third Floor	370.35	454.68	716.42	712.99	730.14		
05.	Fourth Floor	370.35	454.68	716.42	712.99	730.14		
06.	Fifth Floor	370.35	454.68	716.42	712.99	730.14	Tower-2 = 800	Tower-2 = 74.50 Mtr
07.	Sixth Floor	370.35	454.68	716.42	712.99	676.05		
08.	Seventh Floor	370.35	454.68	672.15	668.55	730.14		
09.	Eighth Floor	370.35	454.68	716.42	712.99	730.14		
10.	Ninth Floor	370.35	454.68	716.42	712.99	730.14	Tower-3 = 1250	Tower-3 = 74.50 Mtr
11.	Tenth Floor	370.35	454.68	716.42	712.99	730.14		
12.	Eleventh Floor	370.35	454.68	716.42	712.99	676.05		
13.	Twelfth Floor	370.35	454.68	672.15	668.55	730.14		
14.	Thirteenth Floor	370.35	454.68	716.42	712.99	730.14	Tower-4 = 1250	Tower-4 = 78.10 Mtr
15.	Fourteenth Floor	370.35	454.68	716.42	712.99	730.14		
16.	Fifteenth Floor	370.35	454.68	716.42	712.99	730.14		
17.	Sixteenth Floor	370.35	454.68	716.42	712.99	676.05		

940.11.14

18	Seventeenth Floor	370.35	454.68	672.15	668.55	730.14	
19	Eighteenth Floor	370.35	454.68	716.42	712.99	730.14	
20	Nineteenth Floor	370.35	454.68	716.42	712.99	730.14	
21	Twenty Floor	370.35	454.68	716.42	712.99	730.14	
22	Twenty First	370.35	454.68	716.42	712.99	676.05	
23	Twenty Second	370.35	454.68	672.15	668.55	730.14	
Total		10369.8	10002.96	15628.43	15508.02	15846.72	66750.00 Sq.M

Residential Building - : Cluster – 2 (Tower 6 To Tower 6a)

Sr. No.	Name Of The Floor	Tower 6	Tower 6A	Occupant Load	Height
01.	Ground Floor	---	---	Tower- 6 = 529 Tower- 6a = 529	Tower-6 = 59.50 Mtr Tower-6a = 59.50 Mtr
02.	First Floor	388.77	388.77		
03.	Second Floor	388.77	388.77		
04.	Third Floor	388.77	388.77		
05.	Fourth Floor	388.77	388.77		
06.	Fifth Floor	388.77	388.77		
07.	Sixth Floor	388.77	388.77		
08.	Seventh Floor	388.77	388.77		
09.	Eighth Floor	388.77	388.77		
10.	Ninth Floor	388.77	388.77		
11.	Tenth Floor	388.77	388.77		
12.	Eleventh Floor	388.77	388.77		
13.	Twelfth Floor	388.77	388.77		
14.	Thirteenth Floor	388.77	388.77		
15.	Fourteenth Floor	388.77	388.77		
16.	Fifteenth Floor	388.77	388.77		
17.	Sixteenth Floor	388.77	388.77		
18.	Seventeenth Floor	388.77	388.77		
Total		6609.09	6609.09	8500.00 Sq. M	

Residential Building - : Cluster – 3 (Tower 7 To Tower 10)

Sr. No.	Name Of The Floor	Tower 7	Tower 8	Tower 9	Tower 10	Occupant Load	Height
01.	Ground Floor	---	---	---	---	Tower-7 = 830 Tower-8 = 912 Tower- 9=	Tower-7 = 88.42 Mtr Tower-8 = 71.21 Mtr Tower- 9 =
02.	First Floor	370.35	518.2	518.2	441.24		
03.	Second Floor	370.35	518.2	518.2	441.24		
04.	Third Floor	370.35	518.2	518.2	441.24		
05.	Fourth Floor	370.35	518.2	518.2	441.24		
06.	Fifth Floor	370.35	518.2	518.2	441.24		
07.	Sixth Floor	370.35	518.2	518.2	441.24		
08.	Seventh Floor	370.35	518.2	518.2	441.24		
09.	Eighth Floor	370.35	518.2	518.2	441.24		

10.	Ninth Floor	370.35	518.2	518.2	441.24	1202 Tower- 10 =1023	99.86 Mtr Tower- 10 = 99.70 Mtr
11.	Tenth Floor	370.35	518.2	518.2	441.24		
12.	Eleventh Floor	370.35	518.2	518.2	441.24		
13.	Twelfth Floor	370.35	518.2	518.2	441.24		
14.	Thirteenth Floor	370.35	518.2	518.2	441.24		
15	Fourteenth Floor	370.35	518.2	518.2	441.24		
16	Fifteenth Floor	370.35	518.2	518.2	441.24		
17	Sixteenth Floor	370.35	518.2	518.2	441.24		
18	Seventeenth Floor	370.35	518.2	518.2	441.24		
19	Eighteenth Floor	370.35	518.2	518.2	441.24		
20	Nineteenth Floor	370.35	518.2	518.2	441.24		
21	Twenty Floor	370.35	518.2	518.2	441.24		
22	Twenty First	370.35	518.2	518.2	441.24		
23	Twenty Second	370.35	518.2	518.2	441.24		
24	Twenty Third	370.35	---	518.2	441.24		
25	Twenty Fourth	370.35	---	518.2	441.24		
26	Twenty Fifth	370.35	---	518.2	441.24		
27	Twenty Sixth	370.35	---	518.2	441.24		
28	Twenty Seventh	370.35	---	518.2	441.24		
29	Twenty Eighth	370.35	---	518.2	441.24		
30	Twenty Ninth	---	---	518.2	441.24		
	Total	10369.8	11400.4	15027.8	12795.96	39750.00 Sq. M	

Residential Building - : Cluster – 4 (Tower 11 To Tower 11a)

Sr. No.	Name Of The Floor	Tower 11	Tower 11a	Occupant Load	Height
01.	Ground Floor	---	---	Tower- 11 = 705 Tower- 11a = 705	Tower-11 = 59.50 Mtr Tower-11a = 59.50 Mtr
02.	First Floor	518.2	518.2		
03.	Second Floor	518.2	518.2		
04.	Third Floor	518.2	518.2		
05.	Fourth Floor	518.2	518.2		
06.	Fifth Floor	518.2	518.2		
07.	Sixth Floor	518.2	518.2		
08.	Seventh Floor	518.2	518.2		
09.	Eighth Floor	518.2	518.2		
10.	Ninth Floor	518.2	518.2		
11.	Tenth Floor	518.2	518.2		
12.	Eleventh Floor	518.2	518.2		
13.	Twelfth Floor	518.2	518.2		
14.	Thirteenth Floor	518.2	518.2		
15.	Fourteenth Floor	518.2	518.2		
16.	Fifteenth Floor	518.2	518.2		
17.	Sixteenth Floor	518.2	518.2		

18	Seventeenth Floor	518.2	518.2		
	Total	8809.4	8809.4	17000.00 Sq. M	

Residential Building - : Cluster – 5 (Tower 12 To Tower 15)

Sr. No.	Name Of The Floor	Tower 12	Tower 13	Tower 14	Tower 15	Occupant Load	Height
01.	Ground Floor	---	---	---	---		
02.	First Floor	441.24	418.69	418.69	418.69		
03.	Second Floor	441.24	418.69	418.69	418.69		
04.	Third Floor	441.24	418.69	418.69	418.69		
05.	Fourth Floor	441.24	418.69	418.69	418.69		
06.	Fifth Floor	441.24	418.69	418.69	418.69		
07.	Sixth Floor	441.24	418.69	418.69	418.69		
08.	Seventh Floor	441.24	418.69	418.69	418.69		
09.	Eighth Floor	441.24	418.69	418.69	418.69		
10.	Ninth Floor	441.24	418.69	418.69	418.69		
11.	Tenth Floor	441.24	418.69	418.69	418.69		
12.	Eleventh Floor	441.24	418.69	418.69	418.69		
13.	Twelfth Floor	441.24	418.69	418.69	418.69		
14.	Thirteenth Floor	441.24	418.69	418.69	418.69		
15.	Fourteenth Floor	441.24	418.69	418.69	418.69		
16.	Fifteenth Floor	441.24	418.69	418.69	418.69		
17.	Sixteenth Floor	441.24	418.69	418.69	418.69		
18.	Seventeenth Floor	441.24	418.69	418.69	418.69		
19.	Eighteenth Floor	---	418.69	418.69	418.69		
20.	Nineteenth Floor	---	418.69	418.69	418.69		
21.	Twenty Floor	---	418.69	418.69	418.69		
22.	Twenty First	---	418.69	418.69	418.69		
23.	Twenty Second	---	418.69	418.69	418.69		
24.	Twenty Third	---	418.69	418.69	418.69		
25.	Twenty Fourth	---	418.69	418.69	418.69		
26.	Twenty Fifth	---	418.69	418.69	418.69		
27.	Twenty Sixth	---	418.69	418.69	418.69		
28.	Twenty Seventh	---	418.69	418.69	418.69		
29.	Twenty Eighth	---	418.69	418.69	418.69		
30.	Twenty Ninth	---	418.69	418.69	418.69		
31.	Thirty	---	418.69	418.69	418.69		
	Total	7501.08	12760.7	12760.7	12760.7	26750.00 Sq. M	

Tower-12 = 600

Tower-13 = 1020

Tower-14 = 1020

Tower-15 = 1020

Tower-12 = 59.65 Mtr

Tower-13 = 97.65 Mtr

Tower-14 = 97.65 Mtr

Tower-15 = 97.65 Mtr

Residential Building - : Cluster – 6 (Tower 16)

Sr. No.	Name Of The Floor	Tower 16	Occupant Load	Height
01.	Ground Floor	---		
02.	First Floor	518.2		
03.	Second Floor	518.2		
04.	Third Floor	518.2		

Tower-16 = 53.50 Mtr

05.	Fourth Floor	518.2	Tower- 16 = 621	
06.	Fifth Floor	518.2		
07.	Sixth Floor	518.2		
08.	Seventh Floor	518.2		
09.	Eighth Floor	518.2		
10.	Ninth Floor	518.2		
11.	Tenth Floor	518.2		
12.	Eleventh Floor	518.2		
13.	Twelfth Floor	518.2		
14.	Thirteenth Floor	518.2		
15.	Fourteenth Floor	518.2		
16.	Fifteenth Floor	518.2		
	Total	7773	7500.00 Sq. M	

This office has scrutinized the proposed layout submitted by you and recommendations with respect to the Fire & Life Safety Measures for the proposed layout are enclosed herewith as a detailed separate report for favour of information and further needful please. The proposal is scrutinized on the basis Part 3 and Part 4 of National Building Code 2005. After the scrutiny of the said proposal following observations were made as under :-

1. These will be the tallest buildings proposed in Outskirt of Pune City. The said project is under the Regional Plan and at present there is no fire service in the aforesaid jurisdiction area and thus there is no fire station nor any special appliances like Arial Ladder Platform or Turn Table Ladder is available with them.
2. Considering the high rise buildings in the proposed project, you have to develop modern fire station with required plant and machinery to cater the need of high rise buildings as per the recommendations of this office or to be consortium with nearby township area having fire station or with an agreement with Pune Municipal Corporation for providing or creating necessary fire infrastructure for the said area.
3. It will be mandatory on your part to provide a 3 bay fire station with 24 X 7 response arrangements having :-
 - a) Hydraulic Ladder & Aerial Ladder platforms.
 - b) Water Tender with High Low pressure pump
 - c) Water Bowser
 - d) Ambulance
 - e) Jeep Fire Engine
 - f) All the rescue tools and fire fighting equipments & material required to provide the services.
4. Time to time every building-wise Provisional and Final approval shall be obtained by the applicant without which no Commencement Certificate shall be issued by the Planning Authority.

5. Three sets of drawings with soft copy of AUTO CAD drawings should be submitted showing details scheme of Fire Prevention and Protection arrangements.

6. Any changes in the layout should be intimated to this office with amended drawings and approval for the same should be obtained in advanced.

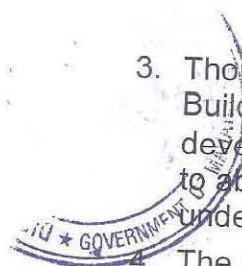
7. The individual building and cluster of buildings will be recommended with Fire fighting requirements as per requirements of part 4 of NBC 2005.


Under such circumstances, though we may insist developer to provide full-fledged Fire Stations with Aerial Ladder Platform and Turn Table Ladder to take care of any emergency in the township area. The detail requirement of fire station will be given to Developer.

- a. The detailed design type plan of the fire station, communication system, fire engines, Hydraulic platform, Turn Table Ladder, Rescue Vehicles and other equipments specifications will be approved by this office.
- b. This development be carried either out by consortium with nearby Township or Pune Municipal Corporation or Developer but the occupation certificate for the High Rise Buildings and Special Buildings be given by the competent planning authority subject to final approval of this department after establishment and functioning of the fire service for the area.

**This N.O.C. is valid subject to fulfillment of the following conditions: -
Provisions of Maharashtra Fire Prevention and Life Safety Measures Act, 2006**

1. Under **Section 3** of "**Maharashtra Fire Prevention and Life Safety Measures Act, 2006**" (hereinafter referred to as "said Act"). The applicant (developer, owner, occupier by whatever name called) shall comply with all the Fire and Life Safety measures adhering to National Building Code of India, 2005 and as amended from time to time failing which it shall be treated as a violation of the said Act.
2. As per the provision as **under :- 10** of the said Act. No person other than the License Agency shall carry out the work of providing Fire Prevention and Life Safety Measures or performing such other related activities required to be carried out in any place or building or part thereof provided that,
 - A) No Licensed Agency or any other person claiming to be such Licensed Agency shall give a certificate under **sub-section (3) of section 3** regarding the compliance of the fire prevention and life safety measures or maintenance thereof in good repair and efficient condition, without there being actual such compliance or maintenance.
 - B) The names of the License Agencies approved by Directorate of Maharashtra is available in our website www.mahafireservice.gov.in

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3. Though certain conditions are stipulated from the said Act and the National Building Code of India, it is obligatory on part of the applicant that is developer, builder, occupier, owner, tenant, by what so ever named called to abide with the provisions of the said Act failing which it shall be actionable under the provisions of said act.
 4. The plans of the building should be approved by The Concern Competent Authority.
 5. The Occupation Certificate should be obtained from The Competent Authority. **The O.C. shall be issued subject to "Final No-Objection Certificate" from this Department.**
 6. Proper roads in the premises should be provided for easy mobility of the Fire Brigade Appliance & the roads should be capable to hold weight of fire appliances i.e. **45 tons. The width of the Internal Road shall not be less than 12 Mtrs.**
 7. All portable fire fighting equipments installed at various locations as per local hazard such as Co2-DCP, Foam, Fire buckets & it must be strictly confirming to relevant IS specification.
 8. All the fire fighting equipments shall be well maintained and should be easily accessible in case of emergency.
 9. Emergency Telephone numbers like **"Police", "Fire Brigade", "Hospital", "Doctors"**, and **"Responsible persons of the complex"** should be displayed in security cabin & at other strategic locations.
 10. It shall be ensured that security staff & every employee of the complex are trained in handling fire fighting equipment & fire fighting.
 11. Cautionary boards such as **"DANGER", "NO SMOKING", "EXIT", "FIRE ESCAPE", "EXTINGUISHER"**, etc. should be displayed on the strategic location to guide the occupants in case of emergency. The signs should be of florescent type and should glow in darkness.
 12. **In future if the said firm intends to go for any expansion, alteration, modification of any building an approval of this department must be obtained before commencing proposed construction.**
 13. **The height & other clearances / approvals must be obtained from local "Civil Aviation Department".**
 14. Dedicate water storage for the fire fighting purpose should be provided and on water mains fire hydrant should be provided after every 50 meter length of pipeline. This will help fire service to draw water from any point in case of emergency.
 15. The staircase provided in high rise residential tower should be pressurized and provided with self closing fire doors of 2 hours fire resistance.
 16. All portable fire fighting equipments installed at various locations as per local hazard such as Co2-DCP, Foam as per **IS: 2190**, & it must be strictly confirming to relevant IS specification. It is recommended for every 100 Sq. Meter one fire extinguisher should be provided for electrical installation Co2 extinguisher of 4.5 Kg should be provided.
 17. All the firefighting equipment shall be well maintained and should be easily accessible in case of emergency.

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18. Emergency Telephone numbers like **"Police", "Fire Brigade", "Hospital", "Doctors",** and **"Responsible persons of the office"** should be displayed in Fire Control Room, Security Office and in Reception area.
 19. It shall be ensured that security staff & every employee of the office, security are trained in handling **firefighting equipment & in fire fighting.**
 20. Cautionary boards such as **"DANGER", "NO SMOKING", "EXIT", "FIRE ESCAPE", "EXTINGUISHER", "FIRE HYDRANT"** etc. should be displayed on the strategic location to guide the occupants in case of emergency. The signs should be of florescent type and should glow in dark.
 21. The Fire Exit Drill or Evacuation Drill should be plan and instruction should be given to the staff minimum **four times in a year** and drill should be carried out **twice in a year.**
 22. **"On-Site" & "Off-Site"** emergency plan shall be prepared & mock drills shall be conducted twice a year & instructions to every employee shall be given once in three months.
 23. For construction of high rise buildings noncombustible materials shall be used and the internal walls of staircase enclosures should be with minimum of 2 hrs. Fire Resistance rating.
 24. The construction should be done considering the seismic zoning and proper care should be taken while designing the building of such a high rise.
 25. The use of combustible surface finishes on walls (including facade of the building) and ceiling affects the safety of the occupants of the building. Such finishes tend to spread the fire and even though the structural elements may be adequately fire resistant, serious danger to life may result. It is therefore, essential to have adequate precautions to minimize spread of flame on wall, façade of building and ceiling surfaces.
 26. The finishing materials used for various purposes and décor shall be such that it shall not generate toxic fumes / smoke.
 27. Automatic smoke venting facilities shall be provided for safe use of exits in windowless buildings.
 28. Natural draft smoke venting shall utilize roof vents in walls at or near the ceiling level, such vents shall be normally open, or, if closed, shall be designed for automatic opening in case of fire, by release of smoke sensitive devices.
 29. Where smoke venting facilities are installed for purposes of exit safety, these shall be adequate to prevent dangerous accumulation of smoke during the period of time necessary to evacuate the area served, using available exit facilities with a margin of safety to allow for unforeseen contingencies.
 30. The fluorescent glow signs like **"Staircase", "Extinguisher", "Fire Escape", "Hydrant Point", Manual Call Point** "Exit", "Lift" shall be installed on strategic locations in all common areas of the building like passages, Corridors etc.
 31. Fire evacuation orders & exit map shall be provided in every floor & in lobbies of the buildings.

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32. Well equipped fire control room shall be provided on the ground floor of the building & A qualified Fire Officer from "**Maharashtra Fire Service Academy, Maharashtra**" shall be employed to maintain the all fire prevention & protection arrangements provided to various buildings in the campus.

33. **The passage ways and the staircase width of 1.5 meters should be maintained for all staircases and internal passages provided for the building.**

34. The Glassing and facade other Glasses should have at least one hour fire resistance and should be UL approved and in accordance with NFPA requirements.

35. The glass faced should be protected with coating film so that in case of breaking of glass the glass can remain in it's place for some hours before replacement. This will reduce the risk of injuries to occupants and fire & rescue personal. In the event of blast the shock wave created which creates the damage to glass faced the use of film will help to reduce the damages due to glass breaking.

36. This being a very special type of building if any additional recommendations to be added or deleted depending upon the need of the fire safety requirement of buildings.

37. The Director, Maharashtra Fire Service reserves all right to modify the fire safety recommendations and it shall be responsibility of company authorities to maintained close liaison with fire department.

Standard Specifications and Regulations to be followed: -

- a) National Building Code: 2005,
- b) **IS: 3844 / 13039** – for installation and maintenance of internal fire hydrants and hose reels on premises.
- c) **IS: 2189**– for selection, installation and maintenance of automatic fire detection and alarm system.
- d) **IS: 2190 / 15683** – for selection, installation and maintenance of portable first aid fire extinguishers.
- e) IS : 9583 : 1981 Emergency lighting units.
- f) IS 12456 : 1988 Code of practice for fire protection of electronic data processing installation.
- g) IS 4963 : 1987 Recommendations for buildings and facilities for physically handicapped.
- h) IS 3614 (Part I) :1966 Specification for fire check doors .

- e) Code of practice for Fire Safety Buildings IS-1642 for Details of Construction.
- f) Code of Practice of Fire Safety of Buildings IS-1643 Exposure Hazard.
- g) Code of Practice of Fire Safety of Buildings IS-1644 – Exit requirement and Personal Hazard.
- h) IS : 15105 – Design and installation of fixed automatic sprinkler fire extinguishing system.
- i) IS 9668 : 1990 Code of practice for provision and maintenance of water supplies and fire fighting.
- j) IS 2175 : 1988 Specification for heat sensitive fire detectors for use in automatic fire alarm system.
- k) IS 11360 : 1985 Specification for smoke detectors for use in automatic electrical fire alarm system.
- l) IS 9457 : 1980 Safety colours and safety signs.
- m) IS 12349 : 1988 Fire protection – Safety sign
- n) IS 12407 : Graphic symbols for fire protection plan.

FIRE PREVENTION

Passive Fire protection required.

Requirement and Provision: - The following passive fire protection systems will have to be followed and installed for the Life Safety of the building as per Part 3 & 4 of National Building Code 2005:-

Sr. No.	Clause Number	Description.
1.	Clause NO: 3.3.1 & 3.3.2	Fire Test General Requirement: Element / Component shall have the requisite fire resistance performance when tested in accordance with the accepted standards.
2.	Clause NO: C-9	Compartmentation: The building shall be suitably compartmentalised so that the fire & smoke remain confined to the area where the fire incident has occurred & does not spread to other part of the building.
3.	Clause NO: 4.10.5	Smoke Extraction System: The exhaust system may be continued, provided the construction of the ductwork & fans is such that it will not be rendered inoperable by hot gases & smoke & there is no danger of spread of smoke to other floors via the path of extraction system.

4.	Clause 3.4.12.3	NO:	Smoke management: Where smoke venting facilities are installed for the purpose of exit safety these shall be adequate to prevent dangerous accumulation of smoke during the period of time necessary to evacuate the area served using available exit facilities, with margin of safety to allow for unforeseen contingencies.
5.	Clause 1.17	NO: C-	Fire rated ducts: Where the ducts passes through fire walls, the opening around the duct shall be sealed with fire resisting materials having the fire resistant rating of the compartment. Where the duct crosses the compartment which is fire rated for same fire rating. Depending on the services passing around the duct work, which may be affected in case of fire temperatures rising, the ducts shall be insulated
6.	Clause 1.12 a	NO: C-	Cable ducts: The electric distribution cables/wiring shall be laid in separate duct. The duct shall be sealed at every floor with non-combustible material having the same fire resistance as the fire rating of the duct.
7.	Clause 1.12 e	NO: C-	Fire rated ceilings: The exhaust system may be continued, provided the construction of the ductwork & fans is such that it will not be rendered inoperable by hot gases & smoke & there is no danger of spread of smoke to other floors via the path of extraction system.
8.	Clause NO: 3.3.3		Steel protection: Load bearing steel beams & columns of building having total covered area of 500Sq.Mtrs. and above shall be protected against failure collapse of structure in case of fire. This could be achieved by using appropriate methodology using suitable fire rated materials as per the accepted standards.
9.	Clause NO: 4.13		Fire escape enclosure: Fire towers shall be constructed of walls with a 2 hours fire rating without openings other than the exit doorway, with platforms, landings & balconies with the same fire rating of 2 Hours.
10.	Clause NO: C-1.4		Glazing: If glazing or glass bricks are used in a stair case shall have fire rating of minimum 2 hours.
11.	Clause 3.4.19	NO:	Glazing: If glass is used as a façade for building it shall have minimum 1 hour fire rating.
12.	Clause 3.4.8.3	NO:	Fire stopping: Every vertical opening between the floors of a building shall be suitably enclosed or protected as necessary to provide reasonable safety to the occupants while using the means of egress by preventing spread of fire, smoke or fumes through vertical openings from floor to floor, which will allow the occupants to complete their safe use of means of egress.

13.	Clause NO: 3.4.8.4	Fire Stopping: Openings in the walls or floors which are provided for the passage of all building services like cables, electrical wiring & telephone cables etc. Shall be protected by the enclosure in the form of Ducts/shafts with a fire resistance of not less than 2 Hours.
14.	Clause NO: C-1.9	Fire stopping service ducts & shafts: Service ducts & shafts shall be enclosed by walls of 2 hours & doors of 1 hour fire rating. All such ducts/shafts shall be properly sealed & fire stopped at all floors.
15.	Clause NO: C-1.12	Fire stopping cable ducts penetration: The electrical distribution cables/wiring shall be laid in separate duct. The duct shall be sealed at every floor with non-combustible materials having the same fire resistance as the fire rating of the cable duct.

Requirement and Provision: - The following active fire protection system will be required for the safety of the building: -

Sr. No.	FIRE FIGHTING INSTALLATION	Requirements	Provision	Remarks
1.	Portable Fire Extinguishers	Required	IS: 15683 & 2190	
2.	Hose Reel	Required at prominent places.	In all staircases	On each floor in the Staircase landing for Fire Fighting. The first aid hose reel shall be connected directly to riser/down comer main and diameter of the hose reel shall not be less than 19mm confirming to IS 884:1985
3.	Yard Hydrant or Ring hydrant around the building	Required	At Various Locations.	Fire Brigade Inlet connection should be provided. Hydrant points should be provided with 2 Nos. of Delivery Hose confirming to IS-14933-2001 along with Standard Branch (Universal) confirming to IS-2871. The distance between 2 Hydrants should not be more than 45 mtrs. The guidelines should be followed as per IS 3844:1989.
4.	Wet Riser	Required	In all staircases	Required to provide in the Staircase and Fire Escape Staircase. Landing of Valve should be installed confirming to IS:5290.
5.	Manually Operated Fire Alarm System	Required	At Various strategic location	Manually Operated Fire Alarm should be provided; it should be connected to alternate power supply.

Sl. No.	FIRE FIGHTING INSTALLATION	Requirements	Provision	Remarks
6.	Underground Static Storage Tank	Required 3,00,000 liters.		This water storage should be used exclusively for Fire Fighting for each Building
7.	Terrace Level Tank	Required 25,000 Ltrs.		On each Terrace/ each building
8.	Fire Pump	2 No. 4500 lit /min electrical driven (01 main + 01 sprinkler pump). 1 No. 4500 lit /min Diesel driven pump. 2 No.180 lit /min Electrical Jockey pump. (01 main + 01 sprinkler pump). 1 No. 900 lit /min electric driven (Booster Pump)		Fire Fighting pumps shall be well maintained. Fire pumps shall be centrifugal pumps only. Booster pump should be provided on terrace. Fire pump, Jockey Pump and Booster pump separate set shall be provided for each tank /wing.
9.	Fire Brigade Connection For Static Water Tank and For Hydrant System	Required at the Main Gate		
10.	Sign Indicators for all fire safety, safe evacuation of occupants in case of emergency signs	Required at Prominent Places.	Sign indicators should provided at prominent places as per the guidelines given in IS:9457 for Safety colour and Safety IS:12349 for Fire Protection Safety Signs IS:12407 for Graphics symbols for Fire Protection Plan.	
11.	Sprinkler system	Required on Each floor and Basement (incl inside the flat)	Sprinkler system should be provided on each floor. Separate Pumping arrangement should be provided for the Basement. Guidelines are given in IS 15105 Design and installation of Fixed Automatic sprinkler fire Extinguishing system	
12.	Automatic Detection System	Required on Each floor and Basement (incl inside the flat)	Automatic Detection system should be provided. Standards and guidelines given in IS-11360-1985 specification for Smoke Detectors for use in Automatic Electrical Fire Alarm system. <u>Detection system for Cable Trench should be provided.</u> Heat Detectors should be provided for Canteen Area as per the standards and guidelines given IS-2175-1988 specification for Heat sensitive Fire Detectors for use in Automatic Fire Alarm System.	

Sr. No.	FIRE FIGHTING INSTALLATION	Requirements	Provision	Remarks
13	Manual Call Point	Required	Manual Call Point should be provided at prominent places.	

Note: Fixed fire fighting installations such as risers, hydrant connections, hose reels etc. shall be provided in separate shaft having opening at floor level with Glass cabinet having locking arrangement to avoid theft and damage.

GUIDELINES FOR INTERNAL STAIRWAYS as per NBC 2005

- Stairways shall be constructed of non-combustible materials throughout. Hollow combustible construction shall not be permitted. Width of Staircase should not be less than 1.5 M. No Gas piping shall be laid down in the stairway.
- Internal staircase shall be constructed as a self-contained unit with at least one side adjacent to external walls and shall be completely enclosed.
- Internal staircase shall not be arranged around lift shaft unless the later is entirely enclosed by material of fire resistance rating as that for type of construction itself.
- The access to main staircase shall be gained through at least half-an-hour fire resisting automatic closing doors, placed in the enclosing walls of the staircase. They shall be swing type doors opening in the direction of the escape.
- No living space, store or other space, involving fire risk, shall open directly in to staircase.
- The external exit door of a staircase enclosure at ground level shall open directly to the open space or should be accessible without passing through any door other than a door provided to form a draught lobby.
- The exit signs with arrows indicating the escape routes shall be provided at a height of 1.5 m. from the floor level on the wall and shall painted with fluorescent paint. All exit signs should be flush with the wall and so designed that no mechanical damage to them can result from the removing furniture, material or any other equipment.
- Exits shall be so located that it will not be necessary to travel more than 22.5 Mtrs. from any point to reach the nearest exit.**

FIRE ESCAPE: (ENCLOSED TYPE) SHALL COMPLY THE FOLLOWING:

- Travel Distance should be maintained 22.5 M as per the guidelines given in National Building Code-2005**
- Fire escape constructed of M.S. angels, wood or glass is not permitted is not permitted.**
- Opening of the Fire Escape Staircase should be from outside.**
- Fire Escape staircase should be enclosed type. These should always be kept in sound operable condition .
- Exits door shall open outwards, that is away from the room, but shall not obstruct the travel along any exit.
- Fire Escape Staircase shall be directly connected to the ground.

7. Entrance to the Fire Staircase shall be separate and remote from the internal staircase.
8. Care shall be taken to ensure that no wall opening or window opens on to or close to Fire Escape Stairs.
9. The route to the external staircase shall be free of obstructions at all times.
10. The Fire Escape stairs shall be constructed of non-combustible materials, and any doorway leading to it shall have the required fire resistance.
11. No Staircase, used as a fire escape, shall be inclined at an angle greater than 45° from the horizontal.
12. **The width of the staircase should as given in accordance with National building code - 2005.**
13. Fire Staircase shall have straight flight not less than 150 c.m. wide with 20 c.m. treads and risers not more than 19 c.m. The number of risers shall be limited to 15 per flight.
14. Handrails shall be of a height not less than 100 c.m. and not exceeding 120 c.m.

STAIRCASE AND CORRIDOR LIGHTINGS:

- a) The staircase and corridor lighting shall be on separate service and shall be independently connected so as it could be operated by one switch installation on the ground floor easily accessible to fire fighting staff at any time irrespective of the position of the individual control of the light points, if any.
- b) Staircase and corridor lighting shall also be connected to alternate source of supply.
- c) Suitable arrangements shall be made by installing double throw switches to ensure that the lighting installed in the staircase and the corridor do not get connected to the sources of supply simultaneously. Double throw switch shall be installed in the service room for terminating the stand by supply.
- d) **Emergency lights shall be provided in the staircase/corridor.**
- e) **Passageway should be provided as per the guidelines given in National Building Code- 2005.**

STAIRCASE DESIGN REQUIREMENT:

1. The minimum headroom in a passage under the landing of a staircase and under the staircases shall be **2.2 Mtrs.**
2. Access to main staircase shall be through a fire / smoke check door of a minimum 2 hours fire resistance rating.
3. No living space, store or other fire risk shall open directly in to the staircases.
4. The main and external staircases shall be continuous from ground floor to the terrace level.
5. No electrical shafts, A/c ducts or gas pipe etc. shall pass through or open in the staircases. Lifts shall not open in staircases.

FIRE LIFT :

1. To enable fire services personnel to reach the upper floors with the minimum delay, one fire lift per **1200 Sq. Mtrs.** of floor area shall be provided and shall be available for the exclusive use of the fireman in an emergency.
2. The lift shall have a floor area of not less than **1.4 Sq. Mtrs.** It shall have loading capacity of not less than **545 Kg. (8 persons)** with automatic closing doors of minimum **0.8 Mtrs.** width.
3. The electric supply shall be on a separate service from electric supply mains in a building and the cables run in a safe route safe from fire, that is, within the lift shaft. Lights and fans in the elevators having wooden paneling or sheet steel construction shall be operated on 24 Volt supply.
4. Fire fighting lift should be provided with a ceiling hatch for use in case of emergency, so that when the car gets stuck up, it shall be easily open able.
5. In case normal electric supply fails, it shall automatically trip over to alternate supply. Alternatively, the lift shall be so wired that in case of power failure it will come down to the ground level and stand still with door open.
6. The operation of a fire lift is by a simple toggle or two button switch situated in a glass fronted box adjacent to the lift at the entrance level. When the switch is on landing call points should become inoperative and the lift will be on car control only or on a priority device. When the switch is off, the lift will return to normal working.
7. The words "**Fire Lift**" shall be conspicuously displayed in fluorescent paint on the lift landing doors at each floor level. The speed of the fire lift shall be such that it can reach the top floor from ground level within **1 Min.**

LIFT ENCLOSURES : -

1. The walls enclosing lift shafts shall have a fire resistance of not less than **two** hours.
2. Shafts shall have permanent vents at the top not less than 1800 mm (0.2sq.m.) in clear area.
3. Lift motor room shall be preferably be sited at the top of the shaft and shall be separate from lift shafts by the enclosing wall of the shaft or by the floor of the motor room.
4. Landing doors in lift enclosures shall open in the ventilated corridor/lobby & shall have fire resistance of not less than one hour.
5. The number of lifts in one lift bank shall not exceed four Lift car doors shall have fire resistance of not less than one hour.
6. Exit from the lift lobby shall be through a self-closing smoke top door of half hour fire resistance.
7. The lift machine room shall be separate and no other machinery shall be installed therein.
8. Grounding switch/switches at ground floor level to enable the fire service personnel to ground the lift car/cars in emergency shall be provided.

GUIDELINES FOR REFUGE AREA / REFUGE FLOOR:-

I. **Refuge Area:** For buildings more than **24 Mtrs.** in height, refuge area of **15 Sq. Mtrs.** or an area equivalent to **0.3 Sq. Mtrs.** per person to accommodate the occupants of two consecutive floors, whichever is higher shall be provided. The refuge area shall be provided on the periphery of the floor or **preferably on a cantilever projection & open to air at least on one side protected with suitable railings.**

- A) For floors above 24 Mtrs. & up to 39 Mtrs. One refuge area on the floor immediately above 24 Mtrs.
- B) For floors above 39 Mtrs. one refuge area on the floor immediately above 39 Mtrs. and so on after every 15 mtrs. Shall be provided.
- C) As per Note of point No. 4.12.3 we may approve the provision of Residential flats in multi storied building with balcony, need not be provided with refuge area. However the flats without balcony shall provide refuge area given above.

BASEMENT PROVISION :

- The basement shall not be used for residential purposes.
- The provisions specified under the Development Control Rules should be followed.
- The basement to be constructed within the building envelope and subject to maximum coverage on floor 1 (entrance floor) may be put to only the following uses:
 - a. Storage of household or other goods of ordinarily non- combustible material;
 - b) Strong rooms, bank cellars, etc;
 - c) Air-conditioning equipment and other machines used for services and utilities of the building; and
 - d) Parking spaces.

The basement shall have the following requirements:-

- a) Every basement shall be in every part at least 2.4 m in height from the floor to the underside of the roof slab or ceiling;
- b) Adequate ventilation shall be provided for the basement. The ventilation requirements shall be the same as required by the particular occupancy according to byelaws. Any deficiency may be met by providing adequate mechanical ventilation in the form of blowers, exhaust fans air-conditioning systems, etc;
- c) The minimum height of the ceiling of any basement shall be 0.9 m and the maximum 1.2 m above the average surrounding ground level.
- d) Adequate arrangements shall be made such that surface drainage does not enter the basement.
- e) **Automatic Sprinkler system should be provided for the Basement area.**
- f) **Dewatering system should be provided for the Basement.**

- g) **Fire Doors should be provided for the Basement opening.**
- h) **Separate Ramp should be provided for IN and OUT entry.**
- i) The walls and floors of the basement shall be watertight and be so designed that the effects of the surrounding soil and moisture, if any, are taken into account in design and adequate damp proofing treatment is given; and The access to the basement shall be separate from the main and alternative staircase providing access and exit from higher floors. Where the staircase is continuous in the case of buildings served by more than one staircase, the same shall be of enclosed type serving as a fire separation from the basement floor and higher floors.
- j) The staircase of basements shall be of enclosed type having fire resistance of not less than 2 h and shall be situated at the periphery of the basement to be entered at ground level only from the open air and in such positions that smoke from any fire in the basement shall not obstruct any exit serving the ground and upper stores of the building and shall communicate with basement through a lobby provided with fire resisting self closing doors of 1 h resistance. **For travel distance see 4.5 If the travel distance exceeds as given in Table 21, additional staircases shall be provided at proper places.**
- k) In multistory basements, intake ducts may serve all basement levels, but each basement levels and basement compartment shall have separate smoke outlet duct or ducts. Ducts so provided shall have the same fire resistance rating as the compartment itself. Fire rating may be taken as the required smoke extraction time for smoke extraction ducts.
- l) Mechanical extractors for smoke venting system from lower basement levels shall also be provided. The system shall be of such design as to operate on actuation of heat/smoke sensitive detectors or sprinklers, if installed, and shall have a considerably superior performance compared to the standard units. It shall also have an arrangement to start it manually.
- m) Mechanical extractors shall have an internal locking arrangement, so that extractors shall continue to operate and supply fans shall stop automatically with the actuation of fire detectors.
- n) Mechanical extractors shall be designed to permit 30 air changes per hour in case of fire or distress call. However, for normal operation, air changes schedule shall be as given in 3.4.11.5.
- o) Mechanical extractors shall have an alternative source of supply.
- p) Ventilating ducts shall be integrated with the structure and made out of brick masonry or reinforced cement concrete as far as possible and when this duct crosses the transformer area or electrical switchboard, fire dampers shall be provided.

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Pressurization of Staircases (Protected Escape Routes):

1. Though in normal building design Compartmentation plays a vital part in limiting the spread of fire, smoke will readily spread to adjacent spaces through the vertical leakages opening in the compartment enclosure such as cracks, opening around pipes ducts, airflow grills and doors, as perfect sealing of all these openings is not possible. It is smoke and toxic gases, rather than flame, that will initially obstruct the free movement of occupants of the building through the means of escape (Escape Routes) Hence the exclusion of smoke and toxic gases from the protected routs is of great importance.
2. Pressurization is method adopted for protected escape routs against ingress of smoke, especially in high rise buildings. In pressurization, air is injected into the staircases, lobbies or corridors, to raise their pressures slightly above the pressure in adjacent parts of the building. As a result, ingress of smoke or toxic gases into the escape routes will be prevented. The pressurization of staircases shall be adopted for high rise buildings and building having mixed occupancy.
3. The pressure difference for staircases shall be as under

Building Height	Pressure Difference	
	Reduced Operation (Stage 1 of a 2 Stage System)	Emergency Operations (Stage 2 of a 2 Stage System or Single Stage System)
15 m or Above	15 Pa	50 Pa

If possible , the same levels shall be used for lobbies and corridors, but levels slightly lower may be used for these if desired. The difference in pressurization levels between staircase and lobbies (or corridors) shall not be greater then 5 Pa.

4. Pressurization system may be of two types :-
 - A) Single Stage , designed for operation only in event of an emergency, and
 - B) Two stage; where normally a level of pressurization is maintained in the protected escape routes and an increases level of pressurization can be brought into operation in an emergency.

GLASS FACADE

1. If the glass cladding is used / provided to the building the glass used for the cladding must be toughened glass.
2. The use of combustible surface finishes on Pressurization of Staircases (Protected Es walls (including facade of the building) and ceiling affects the safety of the occupants of the building. Such finishes tend to spread the fire and even though the structural elements may be adequately fire resistant, serious danger to life may result. It is therefore, essential to have adequate precautions to minimize spread of flame on wall, façade of building and ceiling surfaces.

3. The finishing materials used for various purposes and décor shall be such that it shall not generate toxic fumes / smoke.
4. Automatic smoke venting facilities shall be provided for safe use of exits in windowless buildings.
5. Natural draft smoke venting shall utilize roof vents in walls at or near the ceiling level, such vents shall be normally open, or, if closed, shall be designed for automatic opening in case of fire, by release of smoke sensitive devices.
6. Where smoke venting facilities are installed for purposes of exit safety, these shall be adequate to prevent dangerous accumulation of smoke during the period of time necessary to evacuate the area served, using available exit facilities with a margin of safety to allow for unforeseen contingencies.



SERVICE DUCTS / REFUGE CHUTE :

1. Service duct shall be enclosed by walls and door, if any, of two hours fire rating. If ducts are larger than 10 Sq. Meters the floor should seal them, but provided suitable opening for the pipes to pass through, with the gaps sealed.
2. A vent opening at the top of the service shaft shall be provided between one fourth and one half of the area of the shaft. Refuge chutes shall have an outlet at least of wall of non combustible material with fire resistance of not less than two hours. They shall not be located within the staircase enclosure or service shafts or air conditioning shafts. Inspection panel and door shall be tight fitting with one hour fire resistance; the chutes should be as far away as possible from exits.
3. Refuge Chutes shall not be provided in staircase walls and A/C shaft etc.

ELECTRICAL SERVICES:

1. The electric distribution cables/wiring shall be laid in separate duct. The duct shall be sealed at every alternate floor with non-combustible materials having same fire resistance as that of the duct.
2. Water mains, telephone lines, intercom lines, gas pipes or any other service lines shall not be laid in the duct of electric cables.
3. Separate circuits for water pumps, lifts, staircase & corridor lighting shall be provided directly from the main switch gear panel and these circuits shall be laid in separate conduit pipes so that fire in one circuit will not affect the others.
4. The inspection panel doors and any other opening in the shaft shall be provided with airtight fire doors having the fire resistance of not less than two hours.
5. Medium & low voltage wiring running in shaft and within fall ceiling shall run in metal conduit.

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27/11/14

6. An independent & well-ventilated service room shall be provided on the ground floor with direct access from outside or from the corridor for the purpose of termination of electric supply. The doors provided for the service room shall have fire resistance of not less than two hours.

In addition to the above, all provision under the National Building Code of India-2005 shall be strictly adhered, also if any change in activity or Proposed expansion or Subletting of Plot, NOC from this department is essential.

This is a "**Provisional No-Objection Certificate**" which shall be treated valid for the period of one year from the date of issue. After compliance with above mentioned recommendations / conditions, inspection of the fire prevention & protection systems provided by you will be carried out by this department & after satisfactory performance of the system "**Final No-Objection Certificate**" will be issued.

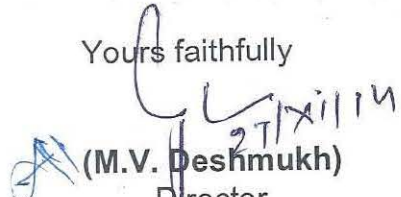
As per the gross built-up area certificate given by M/s. Crystal Arch, Architect of the proposed construction having total gross built-up area of **2,91,724.19 Sq Mtrs**. The fire protection fund fees as per Maharashtra Fire Prevention and Life Safety Measures Act, 2006, Section 25-Annexure-Part III was levied vide Demand Note No. MFS/52/2012/1650 dated 26.11.14 is paid by the applicant. The details of payment are as under:

As per Maharashtra Fire Prevention and Life Safety Measures Act, 2006, Section 25-Annexure-Part III, M/s. Sharad & Pinni Co-operative Housing Society Ltd has paid Fire Protection Fund Fees amounting to Rs. 35,00.690/- (Rs. Thirty Five Lac Six Hundred Ninety only) Vide UTR no- N330140043332891, dated 26.11.2014

The undersigned reserves right to amend any additional recommendations deemed fit during the final inspection due to the statutory provisions amended from time to time and in the interest of the protection of the company.

Thanking you.



Yours faithfully

(M.V. Deshmukh)
Director
Maharashtra Fire Services.



TCN/14-0079/2017-2018/0507

June 9, 2017

TO WHOMSOEVER IT MAY CONCERN

Subject: Project Godrej Infinity at S. No. 9 to 14, Hissa No. 1/1 to 1/11, 1/13, 1/17, 1/18, 1/20 to 1/26 and 1/28, Village Mundhawa, Pune, for Oxford Realty LLP.

This is to certify that the building in captioned project has been designed by us as mentioned below:

Tower 1	2 Parking plus 28 upper floors
Tower 2 Building- A & B	2 Parking plus 24 upper floors
Tower 3 Building- A , B & C	Basement plus 2 Parking plus 24 upper floors
Tower 4 Building- A &, B	Basement plus 2 Parking plus 24 upper floors
Tower 4 Building- C	3 Parking plus 24 upper floors
Tower 5 Building- A, B & C	3 Parking plus 24 upper floors
Tower 6 Building- A & B	2 Parking plus 19 upper floors

I further certify that my Structural Design for the captioned project is based on following Indian Standard Codes of Practice and shall render the buildings safe and stable.

1. IS - 456 - 2000 - Code of Practice for Plain & Reinforced Concrete Structure.
2. IS - 875 - 1987 - Code of Practice for Design Loads.
3. IS - 1893 - 2002 - Criteria for Earthquake Resistant Design of Structure.

ACHYUT WATVE
B. E., F. I. E.
Structural Engineer
PMC Lic No 18
For & On behalf of
JW Consultants LLP

JW CONSULTANTS LLP
Formerly Y S Sane Associates

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Converted into a Limited Liability Partnership (LLP Identity No AAA-2650) w.e.f 28.10.2010 from JW Consultants (previously Y S Sane Associates) Registration No. MPA9324

महामार्ग ओलांडणाऱ्या मेंढ्यांना ट्रकने चिरडले; ६ मेंढ्या ठार

■ तिवसा : राष्ट्रीय महामार्ग ओलांडून पत्तीकडे चराईच्या भागात जाणाऱ्या मेंढ्यांच्या कळपात अचानक ट्रक शिरल्याने ६ मेंढ्या चिरडल्या जाऊन त्यांचा जागीत मृत्यू झाला. अन्य ४ मेंढ्या गंभीररीत्या जखमी झाल्या आहेत. ही घटना शनिवार, २२ एप्रिल रोजी भारवाडीजवळ दुपारी २ वाजता घडली. घटनेनंतर संतस झालेल्या मेंढ्यामालकांनी आपली सर्व जनावरे महामार्गावर आणून काही वेळ वाहतूक रोखून धरली आणि आपला रोष व्यक्त केला. या प्रकरणे महामार्गावर काही वेळ वाहतूक खोळंबून वाहनाच्या रांगाच रांगा लागल्या होत्या. फजलापूर येथील रहिवासी रंगराव शंकर कोरडकर यांनी चराईकरिता आपल्या मेंढ्या तिवसा तालुक्यात आणल्या होत्या. भारवाडीनजीक महामार्गावर रस्ता ओलांडताना समोरून येणारा एक अज्ञात ट्रक थेट या मेंढ्यांच्या कळपात घुसला. यात ६ मेंढ्यांचा जागीच मृत्यू झाला, तर ४ मेंढ्या गंभीररीत्या जखमी झाल्या.

झाडावर कार आदळून तिघे ठार

■ नाशिक : सटाणा – मालेगाव रस्त्यावरील आराई फाटालगत रिवफ्ट कार निबाच्या झाडाला धडकल्याने झालेल्या अपघातात तीन जणांचा मृत्यू झाला आहे. मुतामध्ये १३ वर्षीय बालिकेचा समावेश आहे. देवळा येथील सेवानिवृत्त मुख्याध्यापक रामराव वामन आहेर (६५) हे त्यांच्या कार (क्र एम. एच. ४१ व्ही ३७२१) ने मालेगाव तालुक्यातील आघार येथून सटाण्याकडे जात होते. यावेळी त्यांच्यासोबत त्यांचे नातेवाईक विजय गोविंद जाधव (६२) व त्यांची नात गौरी गोरख निकम (१३) हीदेखील होती. आराई फाट्यालगत कारचे उजवीकडील टायर फुटल्याने आहेर यांचा कारवरील ताबा सुटल्याने कार निबाच्या झाडावर आदळल्याने भीषण अपघात झाला. परिसरातील शेतामधील शेतकऱ्यांनी घटनास्थळी धाव घेतली. त्यांनी कारचे दरवाजे तोडून आतील प्रवाशांना बाहेर काढले. रामराव आहेर यांचा जागीच मृत्यू झाला होता, तर विजय जाधव व गौरी निकम हिचा उपचारासाठी मालेगाव येथे नेत असताना मृत्यू झाला.

दुसऱ्या पाकळणीला लाखो भाविक जोतिबा चरणी

■ कोल्हापूर : जोतिबा डोंगरावर पाकळणीचा दुसरा रविवार मोठ्या उत्साहात पार पडला. लाखो भाविकांनी जोतिबा दर्शनासाठी एकच गर्दी केली होती. स्थानिक पुजाऱ्यांनी रात्रभर स्वच्छता मोहीम राबवून जोतिबा मंदिर चकाचक केले. जोतिबा मंदिरात पहाटेपासूनच भाविकांनी दर्शनासाठी गर्दी करण्यास सुरुवात केली. पाकळणीचा दुसरा रविवार असल्याने सकाळी ८ ते ९ यादरम्यान जोतिबा मूर्तीस अभिषेक विधी झाला. तोपर्यंत दर्शन रांग थांबविण्यात आल्याने अभिषेक विधीच्या वेळी होणाऱ्या गर्दीवर नियंत्रण राहिले. सकाळी ११ वाजता उंट, घोडे, वाजंत्री, देवसेवकच्या लवाजम्यासह जोतिबाचा धुपराती सोहळ्य मंदिर प्रदक्षिणेसाठी बाहेर पडला. यावेळी भाविकांनी गुलाल-खोबऱ्यांची उधळण करून ‘चांगभल’चा गजर केला. जोतिबा मंदिरासभोवती चार पदरी लागलेली दर्शन रांग टाकने मिटके गल्लीपर्यंत पोहोचली होती. दर्शन रांग व्यवस्थेसाठी पोलीस, देवस्थान कर्मचारी व पुजारी समितीचे कर्मचारी तैनात होते. भरउन्हातही जोतिबा दर्शनासाठी भाविक मोठ्या संख्येने थांबून होते. रात्री ८



वाजता पालखी सोहळ्यास प्रारंभ झाला. भाविकांनी गुलाल, खोबऱ्याची उधळण करून जोतिबा उत्सव मूर्तीचे दर्शन घेतले आणि ९ वाजता तोफेच्या सलामीने पालखी सोहळ्याची सांगता झाली. रात्री ९ वाजेपासून जोतिबा डोंगर

इंजिनिअर पती, डॉक्टर पत्नीसह मुलीची आत्महत्या

नवी मुंबईतील हृदयद्रावक घटना : आर्थिक विवंचना आणि आजाराला कंटाळून संपवले जीवन

■ नवी मुंबई : कामोटेतील एकाच कुटुंबातील इंजिनीअर पती आणि डॉक्टर पत्नीने आपल्या १६ वर्षांच्या मुलीसह राहत्या घरी गळफास घेऊन आत्महत्या केल्याची धक्कादायक घटना रविवारी सकाळी घडली. घटनास्थळी पोलिसांना आढळलेल्या चिड्डीवरून हा प्रकार नैराश्येतून केल्याचा प्राथमिक अंदाज व्यक्त होत आहे. इंद्रजित दत्ता (५०), डॉ. जस्मिन पटेल (४५) आणि मुलगी ओसीन (१६) अशी आत्महत्या केलेल्यांची नावे आहेत. ते कामोटे सेक्टर ३६ मधील इंद्रविहार रॅसिडेन्सीमधील फ्लॅट क्र. ५०३ मध्ये भाड्याच्या घरात राहात होते.

जस्मिन पटेल या डॉक्टर असून त्या तिरुपती इमारतीत स्वतःचे क्लिनिक चालवत होत्या. मात्र, मणक्याच्या त्रासाने ग्रासल्याचे त्यांनी मृत्यूपूर्वी लिहून ठेवलेल्या चिड्डीत असल्याचे पोलिसांचे म्हणणे

देहदान करण्याची इच्छा

मृतदेहांजवळ पोलिसांना दोन चिड्ड्या आढळल्या असून पोलिसांनी दिलेल्या माहितीनुसार जस्मिन पटेल यांनी आपण आजारपणाला कंटाळून आत्महत्या करत असल्याचे चिड्डीत म्हटले आहे. गेल्या बऱ्याच काळापासून आजारी असल्याने मला जगण्यात अर्थ वाटत नाही तसेच माझ्या मागे मुलीला एकटी सोडण्याची इच्छा नाही. त्यामुळे मी माझ्या मुलीसह आत्महत्या करत आहे. मृत्यूनंतर आमचे मृतदेह विद्यार्थ्यांच्या अभ्यासासाठी केईएम रुग्णालयाला दान करण्यात यावेत, असे चिड्डीत म्हटले आहे.

आहे. तसेच त्यांचे पती इंद्रजित कुठेही नोकरीला नव्हते. बऱ्याच वर्षांपासून ते घरीच होते. ते पत्नीच्या आजारपणांमुळे व स्वतःला नोकरी नसल्याने मानसिक तणावात होते. इंद्रजित दत्ता आणि जस्मिन पटेल हे लिन्क इन रिलेशनशिपमध्ये राहात होते, असे कळते. जस्मिन यांची तब्बेत ठीक नव्हती तसेच त्यांची मुलगी देखील गतिमंद व अंगाने जाड होती. आर्थिक विवंचनेत सापडलेल्या या

कुटुंबातील इंद्रजित दत्ता कामधंद्या करत नसल्यामुळे त्यांना दारुचे व्यसन जडले होते. त्यातून ते पत्नी व मुलीला मारझोड करायचे तसेच तीन-चार महिन्यांपासून मुलीचे शिक्षण त्यांनी थांबवले होते तसेच या कुटुंबाने घरमालकाचे तीन महिन्यांचे भाडेही थकवले होते तर कामवालीचा दोन महिन्यांचा पगारही दिला नव्हता, अशी माहिती कामोटे पोलीस ठाण्याचे वरिष्ठ पोलीस निरीक्षक अशोक नाईक

यांनी दिली.

दरम्यान, जस्मिन पटेल यांनी दोन-तीन दिवसांपूर्वी आम्ही बाहेर जाणार असल्याने दोन-तीन दिवस कामावर येऊ नको, रविवारी कामावर ये, असे सांगितल्याची माहिती कामवालीने पोलिसांना दिली. त्यानुसार रविवारी सकाळी कामवाली त्यांच्या घरी गेली असता घराबाहेर ठेवलेल्या एका पिशवीत तिला घराची चावी आढळली. तिने घर उघडले असता तिला हॉलमध्ये इंद्रजित दत्ता गळफास लावलेल्या अवस्थेत तर आतल्या खोलीत जस्मिन पटेल व ओसिन यांचे मृतदेह आढळले.

याबाबत तिने शेजाऱ्यांना सांगितल्यानंतर पोलिसांना पाचारण करण्यात आले. मृतदेह पनवेल येथील रुग्णालयात शवविच्छेदनासाठी पाठवण्यात आले आहेत. शवविच्छेदन अहवालानंतर आत्महत्येचे गूढ उलगडण्याची शक्यता आहे.

सोनू निगमने शेअर केला अजानचा व्हिडीओ

नव्या वादाला तोंड फुटणार

■ मुंबई : प्रतिनिधी मशिदींच्या भोंग्यांवरून दिल्या जाणाऱ्या अजानवर आक्षेप नोंदवून वादाच्या भोवऱ्यात सापडलेला प्रसिद्ध पार्श्वगायक सोनू निगम याने आपल्या विधानावर ठाम राहत रविवारी त्यासंदर्भातील एक व्हिडीओ दिवटरवरून शेअर केला. अजान रेकॉर्ड केलेला व्हिडीओ तसेच ‘गुड मॉर्निंग इंडिया’ हे खोचक दिवट यामुळे पुन्हा एकदा नव्या वादाला तोंड फुटण्याची चिन्हे आहेत. सोनू निगमने गेल्या आठवड्यात मशिदींच्या भोंग्यांवरून दिल्या जाणाऱ्या अजानवर जाहीर आक्षेप नोंदवला होता. ‘मी मुस्लिम नसतानाही मला अजानच्या आवाजाने जागे व्हावे लागते. भारतातील ही

धार्मिक बळजबरी केव्हा थांबणार? असे दिवट करत सोनूने अजानवर उघड नाराजी प्रकट केली होती. त्या दिवटमुळे त्याला सोशल मीडियासह अन्य माध्यमांतून टीकेला सामोरे जावे लागले.

मात्र, त्या टीकेनंतरही त्याने आपल्या भूमिकेत नरमाई घेतली नाही. मी धर्माच्या विरोधात नसून लाऊडस्पीकरच्या विरोधात बोललो. तसेच मी माझ्या मतावर ठाम आहे, असे चोख प्रत्युत्तर त्याने टीकाकारांना दिले होते. याच दरम्यान सोनूला पाठिंब्या देणाऱ्या प्रतिक्रियाही उमटल्या होत्या.हा वाद शांत होतो न होतो, तोच सोनूने रविवारी पुन्हा एकदा यासंदर्भात दिवट केले. त्याने आपल्या विधानाचे समर्थन करणारा व अजानचे रेकॉर्डिंग असलेला व्हिडीओ दिवटरच्या माध्यमातून शेअर केला. त्यामुळे पुन्हा एकदा वाद उफाळून येण्याची शक्यता आहे.

पोलिसांनी पाच पोत्यांत भरून नेले सव्वानऊ कोटी!

■ कोल्हापूर : प्रतिनिधी वारणानगर येथील शिक्षक कॉलनीत तपासाच्या बहाण्याने सांगली पोलिसांनी मार्च २०१६ मध्ये छाप्या टाकला. त्यावेळी नोटांचे बंडल पाहून तपास अधिकारी अवाक झाले. त्यांनी पाच पोत्यांत नोटांचे बंडल भरले आणि ते सांगलीला निघून गेले. ही कारवाई करताना मैनुदीन मुल्लास व्हॅनमध्येच बसवले होते, अशी माहिती पोलीस तपासात पुढे आली आहे. दरम्यान, स्थानिक गुन्हे अन्वेषणच्या पथकाने मैनुदीनच्या दोघा साथीदारांना शनिवारी जेरबंद केले. त्यातील गुंड्या हा टिप्पर म्हणून काम करीत होता.

संशयित संदीप तोरस्कर याच्याकडून मिळवलेल्या माहितीच्या आधारे, ९ कोटी १८ लाखांच्या चोरी प्रकरणात मुख्य सूत्रधार मैनुदीन मुल्लास मदत करणाऱ्या दोघा साथीदारांना पकडले; मात्र त्यांची नावे पोलिसांनी अद्याप सांगितलेली नाहीत. या चोरीत उडल्या मारलेल्या सांगली पोलिसांनी मोठ्या रकमेवर हात मारण्याच्या उद्देशाने त्यावेळी वागेणेत छाप्या टाकल्याचे आपल्या वरिष्ठांपासूनही लपवल्याचे स्पष्ट झाले आहे. वारणानगर चोरी प्रकरणात आता चार प्रकारचे गुन्हे दाखल झाले आहेत. त्यामध्ये संशयित मैनुदीन व त्याच्या साथीदारांवर चोरीचा गुन्हा दाखल झाला आहे, तर तत्कालीन सांगली गुन्हे अन्वेषण शाखेच्या सात पोलिसांवर बनावट तपास करून ९ कोटी १८ लाख हडप केल्याचा गुन्हा दाखल झाला आहे. यातील चोरीच्या गुन्द्याचा तपास कोडोली व स्थानिक गुन्हे अन्वेषण शाखेचे पोलीस करत आहेत, तर पोलिसांनी कोट्यवधी रुपयांच्या रकमेवर मारलेल्या उडल्याचा तपास सीआयडीचे पथक करत आहे.

सांगलीत मैनुदीनला अटक केल्यानंतर गुन्हे अन्वेषण शाखेच्या पोलिसांनी १३ व १५ मार्च २०१६ रोजी वागेणेत तपासाच्या बहाण्याने छाप्या टाकला. त्यावेळी त्यांनी कोल्हापूर पोलिसांना काहीच कल्पना दिली नव्हती, तसेच ज्या घराची झडती घेतली

एस.टी.कर्मचाऱ्यांच्या वेतनप्रश्नी लवकरच मुख्यमंत्र्यांसोबत बैठक

■ सांगली : प्रतिनिधी एस.टी. कर्मचाऱ्यांना अगुरे वेतन आहे. मी स्वतः कामगाराचा मुलगा असल्याने कामगारांच्या प्रश्नांची मला जाण असून एस.टी. कामगारांच्या वेतनाची मागणी रास्त आहे. या प्रश्नावर मुख्यमंत्री देवेंद्र फडणवीस, परिवहनमंत्री दिवाकर रावते यांच्याशी बैठक आयोजित करून निश्चितच सकारात्मक तोडगा काढला जाईल, असे प्रतिपादन राज्याचे महसूल तथा सार्वजनिक बांधकाममंत्री चंद्रकांतदादा पाटील यांनी केले. ते एस.टी. कामगार संघटनेच्या ५३ व्या राज्य अधिवेशनात प्रमुख पाहुणे म्हणून बोलत होते. सांगली-मिरज रोडवरील चंदनवाडी येथे हे अधिवेशन झाले.

यावेळी कृषी राज्यमंत्री सदाभाऊ खोत, आ. सुरेश खाडे, आ. सुधीर गाडगीळ, आ. शिवाजीराव नाईक, भाजपचे जिल्हाध्यक्ष पृथ्वीराज देशमुख, माजी केंद्रीय राज्यमंत्री प्रतीक पाटील, संघटनेचे जनरल सेक्रेटरी हनुमंत ताटे, अध्यक्ष संदीप शिंदे, विभागीय अध्यक्ष विराज साळूंखे, विभागीय सचिव विलासराव यादव, संघटनेचे कार्याध्यक्ष सदाशिव शिवणकर आदींसह



चंद्रकांतदादा पाटील : देणी देण्यासाठी बजेटमध्ये तरतूद, कामगार संघटनेचे ५३ वे राज्यस्तरीय अधिवेशन

महाराष्ट्रातून आलेले एस.टी. कामगार मोठ्या संख्येने उपस्थित होते.

चंद्रकांतदादा पाटील म्हणाले, मुख्यमंत्र्यांचा प्रतिनिधी म्हणून मी अधिवेशनाला आलो आहे. एस. टी. कामगारांच्या प्रश्नांची मला जाण आहे. त्यांच्या प्रश्नांची मी माहिती घेतली आहे. कामगारांच्या इतर मागण्यांपेक्षा वेतनाची मागणी

ही केंद्रबिंदू आहे. तो प्रश्न सोडवण्यासाठी मुख्यमंत्री देवेंद्र फडणवीस, परिवहनमंत्री दिवाकर रावते यांच्यासोबत लवकरच बैठक आयोजित करून वेतनाच्या प्रश्नावर सकारात्मक निर्णय घेऊन तो सोडवण्यात येईल.

वेतनाच्या मागणीशिवाय ज्या इतर मागण्या आहेत, त्याही लवकरच सोडवल्या जातील. शासनाकडून एस.टी.चे देणे आहे, त्याबाबत बजेटमध्ये तरतूद करण्यात आल्याचेही मंत्री पाटील यांनी सांगितले. महाराष्ट्राच्या ४३ हजार गावांमध्ये एस.टी. जाते. एस.टी. शिवाय इतर कोणतेही वाहन या ठिकाणी जाऊन सेवा देणार नसल्याचेही पाटील यांनी स्पष्ट केले.

सीआयडीच्या अधिकाऱ्यांची बैठक

या प्रकरणात मुख्यमंत्री देवेंद्र फडणवीस यांनी लक्ष घातल्यामुळे सीआयडीने तपास गतिमान केला आहे. यातील संशयितांचा शोध सुरू केला असून प्रकरणाशी संबंधित असणाऱ्या प्रत्येकाची चौकशी सुरू केली आहे. शनिवारी सीआयडीच्या पथकाची पुतयात बैठक झाली. मुख्यमंत्र्यांना तातडीने अहवाल पाठवायचा असल्याने माहिती संकलित करण्याचे काम सुरू झाले आहे.

जात होती, त्या मालकांनाही यापासून दूर ठेवले होते. मोठी रक्कम मिळेल या उद्देशाने त्यांनी छाप्या टाकला. त्यावेळी तेथील नोटांचे बंडल पाहून पोलीस अवाक झाले. पाच पोत्यांत बसेल इतकी रक्कम मौजूद वाटणी केल्यानंतर त्यांनी वरिष्ठांना ठराविक रक्कम जप्त केल्याचे सांगितले.

या प्रकरणात सांगली पोलीस अटककल्यामुळे कोल्हापूर पोलिसांनी सावध पवित्रा घेत जो तपास वर्षभरापूर्वी करायला हवा होता, तो आता सुरू केला आहे. संदीप तोरस्कर याला चार दिवसांपूर्वीच ताब्यात घेतले आहे. त्याच्याकडे कसून तपास केल्यानंतर शुक्रवारी त्याला अटक दाखवत न्यायालयात हजर केले. त्यानंतर पोलिसांनी तोरस्कर याच्याकडे केलेल्या तपासात मैनुदीनबद्दल धक्कादायक माहिती समोर येत आहे. मोठा हात मारून आयुष्यभर चैन करायची, या उद्देशाने मैनुदीन मुल्लाने वारणानगर येथील

महाराष्ट्र शासन कृषि विभाग जाहिरात

उन्नत शेती – समृद्ध शेतकरी मोहीम : २०१७-१८

कृषि विभागच्या प्रचलीत योजनेंतर्गत यांत्रिकीकरणाकरीता अनुदान लाभासाठी पुणे जिल्ह्यातील इच्छुक शेतकऱ्यांचे अर्ज मागविण्यात येत आहेत.

१. अनुदान पात्र यंत्र / औजारांची यादी :

	२	३	४	५	६
अ.	ट्रॅक्टर				
१	ट्रॅक्टर (०८-२० पी.टी.ओ/एच पी)	रु. १.०० लाख	३५ टक्के	रु. ०.७५ लाख	२५ टक्के
२	ट्रॅक्टर (२०-७० पी.टी.ओ/एच पी)	रु. १.२५ लाख	३५ टक्के	रु. १.०० लाख	२५ टक्के
ब.	स्वयंमचलित यंत्रे				
१	पांच टिलर	रु. ०.५० ते ०.७५ लाख	५० टक्के	रु. ०.४० ते ०.६० लाख	४० टक्के
२	स्वयंचलीत पंढी ट्रान्सप्लान्ट (४ रांगा / ओळी)	रु. ०.९४ लाख	५० टक्के	रु. ०.७५ लाख	४० टक्के
३	स्वयंचलीत पंढी ट्रान्सप्लान्ट (४-१६ रांगा व त्यापेक्षा जास्त)	रु. २.०० लाख	४० टक्के	रु. २.०० लाख	४० टक्के
४	स्वयंचलीत यंत्रे - रिपर कम बाईंडर	रु. १.२५ लाख	५० टक्के	रु. १.०० लाख	४० टक्के
५	रिपर, न्यूमॅटीक/इतर प्लान्टर	रु. ०.६३ लाख	५० टक्के	रु. ०.५० लाख	४० टक्के
क.	ट्रॅक्टर / पावर टिलर बलीत यंत्रे / औजारे				
१	कल्टीव्हेटर	रु. ०.१५ ते ०.४४ लाख	५० टक्के	रु. ०.१२ ते ०.३५ लाख	४० टक्के
२	रोटारिव्हेटर/सब सॉइलर/रोटो कल्टीव्हेटर	रु. ०.३५ ते ०.६३ लाख	५० टक्के	रु. ०.१२ ते ०.५० लाख	४० टक्के
३	सर्व प्रकारचे प्लॉटर (खत व बी टोंकण यंत्र) / मलचर (ऊसाकरीत)	रु. ०.१५ ते ०.६३ लाख	५० टक्के	रु. ०.१२ ते ०.५० लाख	४० टक्के
४	पावर बींडर	रु. ०.१५ ते ०.६३ लाख	५० टक्के	रु. ०.१२ ते ०.५० लाख	४० टक्के
५	शुगर केन ब्रेश करर / स्ट्रॉ रिपर	रु. ०.१५ ते ०.६३ लाख	५० टक्के	रु. ०.१२ ते ०.५० लाख	४० टक्के
६	सर्व प्रकारचे ग्रेजर व रिपर	रु. ०.२० ते ०.६३ लाख	५० टक्के	रु. ०.१६ ते ०.५० लाख	४० टक्के
७	ट्रॅक्टर माऊंटेड / ऑपरेटेड स्प्रेंचर (२० बी. एच. पी पेक्षा कमी ते ३५ बी. एच. पी पेक्षा जास्त)	रु. ०.१० ते ०.६३ लाख	५० टक्के	रु. ०.०८ ते ०.५० लाख	४० टक्के
८	मिनी राईस मील/मिनी दाल मील/ पॅन्कींग मशीन	रु. १.५० लाख	५० टक्के	रु. १.२५ लाख	४० टक्के
९	राईस मील व दाल मीलसाठी सर्व प्रकारचे पॉलीशर / क्लीनर कम ग्रेडर / ग्रॅंडींगट सेपरेटर / स्पेसीफिक ग्रॅन्हीटी सेपरेटर	रु. ०.४४ लाख	५० टक्के	रु. ०.३५ लाख	४० टक्के

प्रमुख अटी / शर्ती खालील प्रमाणे आहेत. १. प्रत्येकी औजारासाठी शेतकऱ्याने विहीत नमुन्यात स्वतंत्र अर्ज करणे आवश्यक आहे तथापी, ज्या औजारास जास्तीत जास्त अनुदान देय आहे त्या एकाच यंत्र / औजारास अनुदान दिले जाईल. २. लाभार्थीची निवड तालुका हा घटक मानून जिहासस्तरावर सोडत पध्दतीने करण्यात येईल. ३. शेतकऱ्यांनी विहीत नमुन्यातील अर्ज दि. १५ ते २०१७ पर्यंत कृषि सहाय्यक / कृषि पर्यवेक्षक / मंडळ कृषि अधिकारी / तालुका कृषि अधिकारी यांचेकडे जमा करावेत. ४. अर्जांचा विहीत नमुना तालुका कृषि अधिकारी कार्यालय व कृषि विभागाच्या संकेतस्थळावर उपलब्ध आहे. ५. अनुदानाची रक्कम लाभार्थीच्या आधार संलग्न बँक खात्यामध्ये थेट जमा केली जाईल. अधिक माहितीसाठी नजीकच्या कृषि विभागाच्या कार्यालयाशी संपर्क साधावा अथवा कृषि विभागाच्या

www.krishi.maharashtra.gov.in संकेतस्थळावरून याबाबत माहिती घ्यावी.

सही / -
जिल्हा अधिक्षक कृषि अधिकारी
पुणे

जा.क्र. जिअकृअ/तंत्र-४/जाहिरात/२३५५/२०१७

ज्याहीर नोटीस

स.न. ९ ते १४ हिस्सा न. १/११, १/१५, १/१७, १/१८, १/२० ते १/२६ व १/२८, मौजे मुंडवा, ता. पुणे शहर, पुणे, महाराष्ट्र या मिळकतीवरील मे.ऑक्सफर्ड रिप्लिटी एल एल पी गोदेज इन्फिमिटी प्रकल्पाचा पर्यावरण विषयक मंजूरी देण्यात आली आहे. सदर पर्यावरण विषयक मंजूरीची प्रत महाराष्ट्र प्रदुषण नियंत्रण मंडळ यांचे कार्यालयामध्ये तसेच पर्यावरण मंत्रालय यांच्या वेबसाईटवर <http://moef.nic.in> येथे उपलब्ध आहे.

सही/-
मे.ऑक्सफर्ड रिप्लिटी एल एल पी

पुण्यनगरी

APPOINTMENT

ऑफर साईज १० X ८ Sq.Cm.

आता सवलतीच्या दरात

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टीप : हे दर दि. ०१ फेब्रुवारी २०१७ पासून लागू.

स्पेशल दिवस : बुधवार/शनिवार

Customer Service
9922961842.
skumar.kshirsagar@gmail.com

जाहिरातीसाठी - संपर्क -
मो. 9922961842

VANASHREE (Register No. : MAH/536/2007)

Survey No. 78 / 1, Bhusari Colony, Kalagram D-I, Paudroad, Kothrud, Pune – 411 038
Contact No. : 09730013889



Date: 10th July 2016

To,
Oxford Realty LLP,
501, Kensington Court,
Lane no.5, Off. North Main Road,
Koregaon Park, Pune-411 001.

Kind Atten: Mr. Nilesh Bahrekar

Sub: Acknowledgement on request for receipt of Environmental Clearance copy for construction of "Godrej Infinity" Residential complex at Keshavnagar, Mundhwa, Pune State: Maharashtra.

Reference No.: SEAC-III-2015/CR-17/TC-2 dated 4^h June 2016.

Dear Sir,

With reference to the above subject, we are appreciating the concern of Environment Department. We have received the copy of Environmental Clearance of above project on 9th July 2016. We are pleased to give you letter of acknowledgment for the same on your request.

Thanking you

Regards

FOR VANASHREE

PRESIDENT