o/c

KUMAR KERING DEVELOPERS LLP

KUMAR CAPITAL, 2413 EAST STREET, CAMP, PUNE: 411001 Ph. No.: 30528888, 30583663 FAX: 020-2026353365
Website: www.kumarworld.com Email ID: contact@kumarworld.com LLPIN: AAG

Date: 1st June 2017

To,

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

Subject: **Submission of Post Monitoring Report for the period of January, 2017 to June, 2017, forproposed Residential Group Housing Scheme at village Undri, Taluka Haveli, Dist – Pune.**

Reference:**Clearance letterNo. SEAC -2010/CR-776/TC-2dtd.25.07.2013.**

Dear Sir,

This is with reference to the above subject. We are submitting the half yearly, post monitoring report along with all relevant documents needed as follows:

1. Data Sheet.
2. EC compliance Report.
3. Post Environment Monitoring Report.
4. Energy Conservation measures.
5. EC letter.
6. Copy of consent to Establish.
7. Copy of Newspaper Advertisement (English & Marathi).

Hope the above are in line with your requirement and kindly acknowledge the receipt.

Thanking you,

Yours faithfully,

For M/S. KUMAR KERING PROPERTIES P. LTD.,

1/6/2017

Received 31-10-17
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
Ministry of Environment, Forest & Climate Change
क्षेत्रीय कार्यालय (पश्चिम मध्य क्षेत्र)
Regional Office (Western Central Zone)
भू-तल, पूर्व खंड / Ground Floor, East Wing
नया सचिवालय भवन / New Secretariat Building
सिविल लाईन्स / Civil Lines
Nagpur-440 001

C.C. to: - Environmental Department, Mantralaya, Mumbai.
- The MS, MPCB, Sion, Mumbai.

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11/06/2017

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- The MS, MPCB, Sion, Mumbai.

8-11-17
आवक लिपिक
पर्यावरण विभाग
मंत्रालय, मुंबई-३२.

0/c/6

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11/06/2017

C.C. to: - Environmental Department, Mantralaya, Mumbai.
- The MS, MPCB, Sion, Mumbai.

DATA

SHEET

MONITORING THE IMPLEMENTATION OF ENVIRONMENTAL SAFEGUARDS

Ministry of Environmental and Forests

Regional Office, West Central Zone, Nagpur.

Monitoring Report

PART – I

DATA SHEET

1.	Project type: river - valley/ mining/ Industry / thermal / nuclear/ Other (specify)	**Residential Group Housing Project**
2.	Name of the project	**"Palm Spring"**
3.	Clearance letter (s) / OM/ no and date:	**File No. : SEAC-2010/CR-776/TC-2** **Dtd. 25th July, 2013.**
4.	Location	**Sr. No. 12/1/2, 12/1/3, 12/1/4, 12/2, 12/3A, 12/3B, 12/4, 12/5A/1, 12/5B, 12/6/1, 12/7, 12/8, 12/12/1, 12/12/3, 13/1/2/1 Village Undri, Tal. Haveli, Pune, Maharashtra.**
a.	District (s)	**Pune**
b.	State (s)	**Maharashtra**
c.	Latitude / Longitude	**Latitude : 180 28' 02.22" N** **Longitude : 730 52' 51.63" E**
5.	Address for correspondence	
a.	Address of concerned project Chief Engineer (with pin code & telephone / telex / fax number)	**Mr. Rohit Sardesai – Vice President technical** **2413, Kumar Capital, East Street, Camp Pune** **912030583661/662**

b.	Address of Executive Project Engineer /Manager (with pin code / fax number)	**Mr. Mandar Raykar.** **Project Manager** **Village Undri, Taluka Haveli, Dist. – Pune.**
6.	Salient features	
a.	of the project	**Total Plot Area = 78600.00sq.mtrs.** **As per FSI: 68452.50 sq.m.** **Non FSI: 22715.66 sq.m.** **Total Built–Up Area: 91168.16 sq.m.** **Total No. of Buildings 9 & 44 bungalows:** **Nos. of Tenements: 440** **Buildings A1 to A8: P + 12 Floors** **Bungalows B1 (6 Nos.), B2 (6 Nos.), B3 (6 Nos.), B4 (6 Nos.), Cl (5 Nos.), C2 (5 Nos.), C3 (5 Nos.), D1 (2 Nos.) & D2 (3 Nos.): G + 1** **Building E: P + 10.**
b.	of the environmental management plans	**1. *Sewage Treatment Plant:*** **Sewage Treatment Plant with capacity of 300 m^3/day will be provided for treating the wastewater.** **STP Technology: Sequential Batch Reactor** **2. *Water Management:*** **Rain Water Harvesting shall be provided to recharge the ground water table.** **3. *Solid Waste Management:*** **Mode of Disposal of Waste:** • **Dry waste: Handed over to authorized recycler for further handling and disposal.** • **Wet Waste: Will be converted to compost using Organic Waste processor (OWC) Model No. EPL 1000** • **E-waste: Handed over to authorized vendor** • **Hazardous Waste: Handed over to authorized vendor** • **STP Sludge (Dry Sludge): Will be used as manure for gardening.**
7.	Break Up Of the project Area	
a.	Submerge area : forest & :non-forest	**Non Forest**
b.	Others	**Total Plot Area = 78600.00sq.mtrs.** **As per FSI: 68452.50 sq.m.**

		Non FSI: 22715.66 sq.m. **Total Built–Up Area: 91168.16 sq.m.**
8.	Break up of the project affected: Population with enumeration of those losing houses / dwelling units, only agriculture land only, both dwelling units and agriculture land and landless labourers / artisan.	**Not Applicable.**
a.	SC, ST / Adivasis:	---
b.	Others	---
	(Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey is carried out give details and years of survey).	
9.	Financial details	
a.	Project cost as originally planned and subsequent revised estimates and the year of price reference	**Total cost : 113.79 Cr. (Approx.)**
b.	Allocation made for environmental management plans with item wise and year wise break-up	**Capital EMP Cost: 314.63 Lakhs** **Cost for EMP O & M: 30.25 Lakhs**
c.	Benefit cost ratio/ Internal rate of return and the year of assessment	---
d.	Whether (c) includes the cost of environmental management as shown in the above	---
e.	Actual expenditure incurred on the project so far	**Rs. 49.02 Cr.**
f.	Actual expenditure incurred on the environmental management plans so far	**Rs. 48.31 Lakhs**
10.	Forest land required	
a.	The status of approval for diversion of forest land for non-forestry use	**The land is of non-forest type hence not applicable.**

b.	The status of clearing and felling	**R.G. Area on ground: 8690.57 Sq. mt.** **R.G. Area on podium: 7023.94 Sq. mt.** **A combination of native evergreen trees and ornamental flowering trees, shrubs and palms are planned in the complex. There will be tree plantation of about 805 Nos. Different species will be selected as per CPCB green belt guidelines and common species available in the proposed area.**
c.	The status of compensatory afforestation, if any	**---**
d.	Comments on the viability & sustainability of compensatory afforestation program in the light of actual field experience so far	**N.A.**
11.	The status of clear felling in non-forest areas (such as submergence area of reservoir, approach roads), if any with quantitative information.	**N.A.**
12.	Status of construction	
a.	Date of commencement (Actual and/or planned)	**Excavation Started: Phase-I excavation completed & Phase II excavation not yet started.**
b.	Date of completion (Actual and/ of planned)	**December, 2018**
13.	Reasons for the delay if the project is yet to start	**NA**
14.	Dates of site visits	
a.	The date on which the project was monitored by the regional office on previous occasions, if any	**16.04.2017**
b.	Date of site visit for this monitoring report	**19.01.2017, 15.04.2017.**
15.	Details of correspondence with project authorities for obtaining action plans/ information on status on compliance to safeguards other than the routine letters for logistic support for site visits	**File No.: SEAC-2010/CR.776/TC-2** **Dtd. 25th July, 2013**

COMPLIANCE

REPORT

COMPLIANCE REPORT

TERMS & CONDITIONS:

1.	Occupancy certificate should not be issued to the project unless adequate water supply is available to the project and sewerage line is ready in all respect to receive treated sewerage from the project.	**Noted and will be complied.**
2.	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, and Circulars etc. issued if any. 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.	**1. Land use is for the residential purpose as per the DP.** **2. Planning authority has approved the same as per the prevailing DCR.** **3. Hon'ble NGT/Supreme court orders regarding RG, wild life act etc. are being followed from time to time.**
3.	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.	**The maximum height of building is 36 m. for all wings has been in accordance with DCR and FSI. Approval is already obtained.**
4.	"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.	**Consent to Establish is received from MPCB.** **Format-1.0/BO/ROHQ/PN-19850-13CE/CC-2756 dated 21/03/2014.** **(Copy enclosed).**
5.	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	**Complied. Proper Sanitation facility is provided & Hygiene measures are taken care as** **Toilets are provided at site.** **(Photographs enclosed).**
6.	Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the	**Noted and will be complied.** **Septic tank is provided in Phase I.**

	buildings. 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.	
7.	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 etc.	**The provision for the construction labor within the site with all necessary infrastructure and facilities for cooking, toilets, septic tank, safe drinking water etc. is made. (Photographs enclosed).**
8.	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.	**Adequate portable water facility for drinking purpose is provided for the workers at the site during construction phase.** **(Photographs enclosed).**
9.	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.	**Vermicomposting method is adopted for managing the solid waste.**
10.	Wet garbage should be treated by Organic Waste Converter and treated waste (Manure) should be utilized in existing premise for gardening. And no wet garbage will be disposed outside the premises. Local authority should ensure this.	**Condition is noted and will be adhered too.** **Vermicomposting method is adopted for managing the Solid waste.**
11.	Arrangement shall be made that waste water and storm water do not get mixed.	**Noted and will be complied.** **Septic Tank has been provided.**
12.	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.	**All the top soil will be used for the landscaping.**
13.	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.	**There is no need of importing any soil from outside. The reformation of soil surface shall be done by using the soil generated in the plot.**

14.	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/Agriculture Dept.	• **Total green area will be approx. 15714.51 m^2.** • **A combination of native evergreen trees and ornamental flowering trees, shrubs and palms are planned in the complex.** • **There will be tree plantation of about 805 nos.** • **Plantation Details: Species will be selected as per CPCB greenbelt guidelines and common species available in the proposed area.**
15.	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.	**Excavated earth, demolitions waste is likely to generated, and shall be reuse for the leveling off. Adequate measures are provided.**
16.	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.	**Soil testing was done, according to the reports all the parameters are within limit and so there is no threat to groundwater quality by leaching of heavy metals and other toxic contaminants. (Report enclosed).**
17.	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.	• **There will be no generation of hazardous waste at site but proper care would be taken following the norms to disposal of the bituminous and other hazardous material at site.**
18.	Any hazardous waste generator during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra pollution Control Board.	**No such hazardous waste is generated on site.**
19.	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.	**Complied. DG Set is having acoustic enclosures.**

20.	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.	**Condition is noted.**
21.	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.	**The PUC checked/authorized vehicles are allowed on the site for transfer of material.**
22.	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.	**Complied.** **1. Use of well maintained equipment fitted with silencers.** **2. Construction activities are limited to daytime hours only.** **Also used Personal Protective Equipment (PPE) like ear muffs and ear plug during construction activities. (Copy of Noise test report as per the frequency of monitoring (03 monthly) has enclosed).**
23.	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, Ready mixed concrete with fly ash was used in the construction.**
24.	Ready mixed concrete must be used in building construction.	**Yes, Ready mixed concrete with fly ash was used in the construction.**
25.	The approval of competent authority shall be obtained for structural safety of the building due to any possible earthquake, adequacy of fire fighting equipments etc. as per National Building Code including measures from lighting.	**Condition is noted.**
26.	Storm water control and its re-use as per CGWB and BIS standards for various applications.	**Rainwater from terraces and other open area will be diverted to recharge pits for ground water recharge.**

27.	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	**Rainwater from terraces has been diverted to rainwater harvesting tank. Run off from the rest of the area shall be discharged into municipal drain.**
28.	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.	**The ground water levels and its quality will be monitored regularly.**
29.	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 Ministry before the project is commissioned for operation. Treated effluent emanating from STP shall be recycled / refused to the maximum extent possible. Treatment of 100% gray water by decentralized treatment should be done. Discharge of unused treated affluent shall conform to the norms and standards of the Maharashtra Pollution Control Board. Necessary measures should be made to mitigate the odor problem from STP.	**Condition is noted. Will be complied.**
30.	Local body should ensure that no occupation certification is issued prior tom operation of STP/MSW site etc. with due permission of MPCB.	**Condition is noted.**
31.	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.	**The ground water will not be used for construction purpose.**
32.	Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.	**Will be complied.**
33.	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.	**Adequate measures will be taken into consideration to minimize the wastage of water.**
34.	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.	**Glazing area is maintained around 25% of the façade area for the residential buildings.**

35.	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.	• **Roof insulation 50 mm expanded polystyrene or equivalent insulation.** • **Heat reflective double glazed glass provided on external façade for the residential buildings.**
36.	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.	• **All fluorescent lights/LED with electronic ballast in place of copper chokes & tube- T5 type, in place of T8 type, to reduce the power consumption by 12 watts per lamp & increase in lumens by 14%. Further reduction by use of sensors (Power saving 1, 63,146 KWH/year). r/l= 7760x0.8x6hr/dayx365d/yrx12 watts** • **Hot water requirement for low rise will be met by solar water heating system (** • **Power saving 1256661.00 KWH/ year).** • **All building/ areas will be equipped with Capacitors Banks, with heavy duty compact gas filled capacitors with harmonic filters to maintain THD's less than 10 % with auto power factor correction panels to be connected with LT panels at load end. This is to reduce the power losses caused by low power factor & harmonic distortions of power wave form.** • **Electrical distribution system will be monitored regularly and energy consumption will have check meter, so that any energy loss will be detected and will be rectified immediately.** • **Insulated roof to reduce heat gain.** • **Common light load requirement in high rise building/street lighting will be met by use of solar if feasible. Energy will be saved 50,000 KWH/year.**
37.	Diesel power generating sets proposed as sources 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 GD sets. Use low Sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.	**Noted and will be complied.**

38.	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.	• **Construction equipment's producing the most amount of noise are fitted with noise shields. This shield is a physical barrier (composed of brick and mud, with a non-reflective internal plastering) approx. 3 mtrs. In height which provides adequate noise attenuation.** • **Noisy construction equipment's are not permitted during night hours.** • **Works employed in high noise areas gets rotated. Earplugs / muffs or other hearing protective wear are provided to those working very close to the noise generating machinery.**
39.	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.	• **This effect would be prominent during construction as well as operation phase. The probability of inconvenience faced due to the frequency of truck movement during construction phase would be minimized by better control of traffic movement in the area. Noise levels expected from the planned operating conditions have been assessed and are likely to be within acceptable levels.** • **The project will be provided with sufficient road facilities within the project premises and there will be a large area provided for the parking of vehicles.**
40.	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 aspirational for non air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.	**Efforts for the Opaque wall will meet prescriptive requirement as per draft Energy Conservation Building Code by use of appropriate thermal insulation material to fulfill requirement.**
41.	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	**The buildings have adequate distance between them to allow movement of fresh air and natural light, Ventilation.**
42.	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.	**Regular supervision done by our site engineer to take care of the construction activity and of the surroundings.**

43.	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 is already obtained.** **Obtained Consent to Establish.**
44.	Six monthly monitoring reports should be submitted to the department and MPCB.	**Six monthly reports are submitted and attached.**
45.	A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.	**A complete set of all the documents submitted to MPCB at the time of obtaining consent to establish.**
46.	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.	**Condition is noted.**
47.	A separate environment management cell with qualified staff shall be set up for implantation of the stipulated environmental safeguards.	**Site engineers with qualified staff is formed and implementing the same.**
48.	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 and this department.	**EMP cost is worked out and complied.**
49.	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.	**The advertisement is published in Marathi and English language local newspaper. In Marathi newspaper 'Punyanagari' dtd. 5th October 2013 & in English newspaper 'Mid Day Nation' dtd. 5th October 2013 Respectively. Xerox copies of same are enclosed for your ready reference.** **Also, the advertisement is displayed on website of company.**
50.	Project management should submit half yearly compliance reports in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the MPCB	**We are regularly submitting six monthly reports to Environment Department, Mantralaya & MPCB.**

	and this department, on 1st June and 1st December of each calendar year.	
51.	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.	**The PP comply the condition.**
52.	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 mainly; SPM, RSPM, SO_2, NOx (Ambient levels as well as stack emissions) or critical sectorial parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	**The PP will comply the condition.**
53.	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 email) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	**Condition is noted and submitted to regional office of MoEF. We are submitting herewith six monthly reports to environment department, Mantralaya & MPCB.**
54.	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.	**The PP shall comply the condition.**
55.	The environmental Clearance is being issued without prejudice to the 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	**Condition is noted.**

	decision of the Hon`ble court will be binding on the project proponent. Hence this clearance doesn't not give immunity to the project proponent in the case filed against him.	
56.	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.	**Condition is noted.**
57.	The Environment department reserves the right to add any stringent condition or to revoke the clearance of conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.	**Condition is noted.**
58.	**Validity of Environmental Clearance:** The environmental clearance accorded shall be valid for the period of 5 years.	**Condition is noted and the PP will validate it once it expires.**
59.	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.	**The PP agrees to comply the condition.**
60.	The above stipulations would be enforced among others under the Water (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.	**Condition is noted.**
61.	Any appeal against this environmental clearance shall lie with the National Environmental Appellate Authority, if preferred, within 30 days as prescribed under Section 11 of the National Environmental Appellate Act, 1997.	**Condition is noted.**

Drinking Water Facility

Labour Housing

Toilet Facilities

Solar System

Rain Water System

Tree Plantation

Tree Plantation

ENERGY CONSERVATION MEASURES

ENERGY CONSERVATION MEASURES

Energy saving measures:

- All fluorescent lights/LED with electronic ballast in place of copper chokes & tube- T5 type, in place of T8 type, to reduce the power consumption by 12 watts per lamp & increase in lumens by 14%. Further reduction by use of sensors (Power saving 1, 63,146 KWH/year). r/l= 7760x0.8x6hr/dayx365d/yrx12 watts
- Hot water requirement for low rise will be met by solar water heating system (Power saving 1256661.00 KWH/ year).
- All building/ areas will be equipped with Capacitors Banks, with heavy duty compact gas filled capacitors with harmonic filters to maintain THD's less than 10 % with auto power factor correction panels to be connected with LT panels at load end. This is to reduce the power losses caused by low power factor & harmonic distortions of power wave form.
- Electrical distribution system will be monitored regularly and energy consumption will have check meter, so that any energy loss will be detected and will be rectified immediately.
- Insulated roof to reduce heat gain.
- Common light load requirement in high rise building/street lighting will be met by use of solar if feasible. Energy will be saved 50,000 KWH/year.

Detail calculation and % of saving

Sr. No.	Energy Conservation Measures	Saving %
1	Lighting fixtures With CFL & T5 with Electronic Ballast +Power	20 % on entire lighting load
2	Lighting Control system on BMS &Sensors	10% street and common light
3	Solar water heating/lighting	20%
4	Solar	Common lighting & small power

HALF YEARLY POST ENVIRONMENTAL MONITORING REPORT

OF

RESIDENTIAL GROUP HOUSING PROJECT

"PALM SPRING"

For

January, 2017 – June, 2017

Developer

M/S. KUMAR KERING PROPERTIES PVT. LTD.,

S.No.12/1/2, 12/1/3, 12/1/4, 12/2, 12/3A&B,
12/4, 12/5A/1, 12/5B, 12/6/1, 12/7, 12/8,
12/12/1, 12/7, 12/8, 12/12/1, 12/12/3, 13/1/2/1,
Village: Undri, Tal-Haveli, Dist-Pune-411001.

Prepared by

ENVIRO ANALYSTS & ENGINEERS P. LTD.,

ENVIRO ANALYSTS & ENGINEERS PVT. LTD.

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Ambient Air Quality Monitoring Report

Report No. - EAEPL/PM/KKDL/17-05/04/2017			**Report Date – 24.04.2017**
Name of Customer	**M/s Kumar Kering Developers LLP.**		**Reference** – Verbal
Site Address	"Palm Spring" Kondhwa, Pune.		
Nature and Description of Sample	Ambient Air	**Sample Collected by**	EAEPL Laboratory
Sampling locations and Sample Code	1) PM/A/17-05/a,b/04/17 (Near Main Gate)	**Sample quantity and packing**	PM_{10} = 1 * 1 No. Filter paper. $PM_{2.5}$ = 1 * 1 No. Filter paper. SOx = 1 * 1 No. PVC bottle. NOx = 1 * 1 No. PVC bottle.
		Sample Preservation	Filter papers – Transported and stored in desiccator. PVC bottles - Transported and stored at 5°C (±1 °C).
Date of Sampling	15.04.2017	**Date of Receipt**	17.04.2017
Sampling Procedure	CPCB, Conceptual guidelines and common methodology for air quality monitoring, emission inventory & source apportionment studies for Indian cities, was referred while drafting this SOP.		
Period of Analysis	17.04.2017 to 24.04.2017		
Report for the month	April, 2017.		

Environmental Conditions		
Ambient air Temperature (°C)	**Relative Humidity (%)**	**Duration of Monitoring**
32.0	64.0	8 Hours

RESULTS

Monitoring Locations	**Main Gate**	**NAAQS LIMITS**	**METHOD**
Pollution Parameters	PM/A/17-05/a,b/04/17		
R.S.P.M (PM_{10}) ($\mu g/m^3$)	38.75	100 $\mu g/m^3$	Gravimetric
R.S.P.M ($PM_{2.5}$) ($\mu g/m^3$)	15.24	100 $\mu g/m^3$	Gravimetric
SO_2 ($\mu g/m^3$)	11.54	80 $\mu g/m^3$	Improved West & Gaeke method
NOx ($\mu g/m^3$)	15.30	80 $\mu g/m^3$	Modified Jacob & Hochheiser (Na- Arsenite)

Remark: All the measured values are within NAAQS limits.

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

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

Lab Incharge

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

Report No - EAEPL/PM/KKDL/17-06/04/2017			**Report Date – 24.04.2017**
Name of Customer	**M/s Kumar Kering Developers LLP.**		**Reference –** Verbal
Site Address	"Palm Spring" Kondhwa, Pune.		
Nature and Description of Sample	Ground Water	**Sample Collected by**	EAEPL Laboratory
Sampling locations and Sample Code	1) PM/W/17-06/04/17	**Sample quantity and packing**	2 L X 1 No. PVC Can. 500 ml X 1 No. Sterilized Glass Bottle
		Sample Preservation	Cool -Transported and stored at 5 °C (± 1°C).
Date of Sampling	15.04.2017	**Date of Receipt**	17.04.2017
Sampling Procedure	Guideline for water quality monitoring- CPCB, 2007-08.		
Period of Analysis	17.04.2017 to 24.04.2017		
Report for the month	April, 2017.		

Parameters	Unit	Results	IS 10500:2012 Limits		Method
		PM/W/17-06/04/17	Acceptable Limits	Permissible Limits	
pH	-	7.52	6.5-8.5	No relaxation	IS 3025 (Part 11) (1983)
TDS	mg / l	251.40	500	2000	By EC-TDS Meter
Alkalinity	mg / l	55.00	200	600	IS: 3025 (Part 23) (1986)
Chlorides as Cl	mg / l	87.47	250	1000	APHA 4500 Cl B (22nd Edition)
Total Hardness	mg / l	170.00	200	600	APHA 2340 C (22nd Edition)
Calcium	mg / l	28.08	75	200	APHA 3500 Ca B (22nd Edition)
Residual chlorine	mg / l	Nil	0.20	1	IS 3025 part 26 (1986)
Sulphate	mg / l	18.1	200	400	IS3025 part24 (1986)
Nitrate	mg / l	1.09	45	No relaxation	EPA 352.1
Fluoride	mg / l	0.30	1	1.5	APHA 4500 F, D (22nd Edition)
Dissolved Oxygen	mg / l	5.20	-	-	IS3025 part 38 (1989)
Turbidity	NTU	0.05	1	5	APHA 2130 B (22nd Edition)
Heavy Metals:					
Iron (Fe)	mg / l	0.110	0.3	No relaxation	APHA 3111 (22nd Edition)
Copper (Cu)	mg / l	0.032	0.05	1.5	APHA 3111 (22nd Edition)
Zinc (Zn)	mg / l	0.064	5	15	APHA 3111 (22nd Edition)
Lead (Pb)	mg / l	0.001	0.01	No relaxation	APHA 3111 (22nd Edition)
Chromium (Cr)	mg / l	0.045	0.05	No relaxation	APHA 3111 (22nd Edition)
Ground Water level	Meters	3.3	-	-	Piezometer
Microbiological Analysis					
Total Coliform	MPN/ 100ml	Nil	Nil	Shall not be detectable in any 100ml sample	APHA 9221(B & C)(22nd Edition)
E coli	MPN/ 100ml	Absent	Absent	Absent	APHA 9221 (G)(22nd Edition)

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

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Lab Incharge

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Soil Sample Analysis Report

Report No. - EAEPL/PM/KKDL/17-07/04/2017			**Report Date - 24.04.2017**
Name of Customer	**M/s Kumar Kering Developers LLP.**		**Reference –** Work order dated 10.07.2015
Site Address	"Palm Spring" Kondhwa, Pune.		
Nature and Description of Sample	Soil	**Sample Collected by**	EAEPL Laboratory
Sampling locations and Sample Code	1) PM/S/17-07/04/17	**Sample quantity and packing**	500 gm X 1 zip lock bag
		Preservation	Transported & stored in dry area
Date of Sampling	15.04.2017	**Date of Receipt**	17.04.2017
Sampling Procedure	Characterization of Hazardous Waste Sites - A Methods Manual: Volume II. Available Sampling Methods, Second Edition. EPA 600/4-84-076. December 1984.		
Period of Analysis	17.04.2017 to 24.04.2017		
Report for the month	April, 2017.		

Parameters	Unit	Results	Methods
pH	-	7.50	As per manual
EC	µS/cm	397.30	As per manual
Organic Matter	%	2.96	Maiti, pg.no. - 168
Available Phosphorus	mg/100gm	4.00	Goal, pg. no. 102
Sulphate	mg/100gm	21.90	Goal, pg. no.- 101
Soil Moisture	%	11.42	Maiti, pg. no. - 153
Water Holding Capacity	%	35.59	Ex.16. Text Book By S. Anand Net Port-80
Total Kjeldhal Nitrogen	%	0.64	Maiti, pg.no. - 171
Calcium	mg/100gm	145.56	Goal, pg. no.- 110
Magnesium	mg/100gm	21.88	Goal, pg. no.- 110
Sodium (Na)	ppm	26.50	Maiti, pg. no.- 188
Potassium (K)	ppm	35.89	Maiti, pg. no.- 188
Chlorides	mg/100gm	9.01	Goal, pg. no. - 100
Heavy Metals:			
Iron	ppm	803.82	Maiti, pg. no. 188
Lead	ppm	0.20	Maiti, pg. no. 188
Copper	ppm	1.80	Maiti, pg. no. 188
Zinc	ppm	1.67	Maiti, pg. no. 188

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

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

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Ambient Noise Level Monitoring Report

Report No. - EAEPL/PM/KKDL/17-08/04/2017			**Report Date - 24.04.2017**
Name of Customer	**M/s Kumar Kering Developers LLP.**		**Reference** – Verbal
Site Address	"Palm Spring" Kondhwa, Pune.		
Nature and Description of Sample	Noise	**Sample Collected by**	EAEPL Laboratory
Sampling locations and Sample Code	1) PM/N/17-08/04/17	**Sample quantity and packing**	Not Applicable
Date of Sampling	15.04.2017	**Date of Receipt**	Not Applicable
Sampling Procedure	Environmental Noise Survey Guidance document by EPA. Noise pollution (Regulation and Control) Amendment Rule 2010.		
Period of Analysis	Not Applicable		
Report for the month	April, 2017.		

Location name	Day Time		Night Time	
	Results	CPCB Permissible Limit	Results	CPCB Permissible Limit
Main gate	54.8	55	42.7	45
Centre side	54.1	55	43.5	45
Back side	55.0	55	44.1	45
Near gate No.2	52.7	55	42.6	45

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

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

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

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Ambient Air Quality Monitoring Report

Report No. - EAEPL/PM/KKDL/21-13/01/2017			**Report Date - 28/01/2017**
Name of Customer	**M/s Kumar Kering Developers LLP.**		**Reference** – Verbal
Site Address	"Palm Spring" Kondhwa, Pune.		
Nature and Description of Sample	Ambient Air	**Sample Collected by**	EAEPL Laboratory
Sampling locations and Sample Code	1) PM/A/21-13/a,b/01/17 (Near Main Gate)	**Sample quantity and packing**	PM_{10} = 1 * 1 No. Filter paper. $PM_{2.5}$ = 1 * 1 No. Filter paper. SOx = 1 * 1 No. PVC bottle. NOx = 1 * 1 No. PVC bottle.
		Sample Preservation	Filter papers – Transported and stored in desiccator. PVC bottles - Transported and stored at 5°C (±1 °C).
Date of Sampling	19.01.2017	**Date of Receipt**	21.01.2017
Sampling Procedure	CPCB, Conceptual guidelines and common methodology for air quality monitoring, emission inventory & source apportionment studies for Indian cities, was referred while drafting this SOP.		
Period of Analysis	21.01.2017 to 28.01.2017		
Report for the month	January, 2017.		

Environmental Conditions		
Ambient air Temperature (°C)	**Relative Humidity (%)**	**Duration of Monitoring**
28.0	54.0	8 Hours

RESULTS

Monitoring Locations	**Main Gate**	**NAAQS**	**METHOD**
Pollution Parameters	PM/A/21-13/a,b/01/17	**LIMITS**	
R.S.P.M (PM_{10}) (µg/m^3)	39.60	100 µg/m^3	Gravimetric
R.S.P.M ($PM_{2.5}$) (µg/m^3)	15.80	100 µg/m^3	Gravimetric
SO_2 (µg/m^3)	11.83	80 µg/m^3	Improved West & Gaeke method
NOx (µg/m^3)	15.56	80 µg/m^3	Modified Jacob & Hochheiser (Na- Arsenite)

Remark: All the measured values are within NAAQS limits.

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

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

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Water Sample Analysis Report

Report No - EAEPL/PM/KKDL/21-14/01/2017			**Report Date – 28.01.2017**
Name of Customer	**M/s Kumar Kering Developers LLP.**		**Reference** – Verbal
Site Address	"Palm Spring" Kondhwa, Pune.		
Nature and Description of Sample	Ground Water	**Sample Collected by**	EAEPL Laboratory
Sampling locations and Sample Code	1) PM/W/21-14/01/17	**Sample quantity and packing**	2 L X 1 No. PVC Can. 500 ml X 1 No. Sterilized Glass Bottle
		Sample Preservation	Cool -Transported and stored at 5 °C (± 1°C).
Date of Sampling	19.01.2017	**Date of Receipt**	21.01.2017
Sampling Procedure	Guideline for water quality monitoring- CPCB, 2007-08.		
Period of Analysis	21.01.2017 to 28.01.2017		
Report for the month	January, 2017.		

Parameters	Unit	Results	IS 10500:2012 Limits		Method
		PM/W/21-14/01/17	Acceptable Limits	Permissible Limits	
pH	-	7.30	6.5-8.5	No relaxation	IS 3025 (Part 11) (1983)
TDS	mg / l	263.20	500	2000	By EC-TDS Meter
Alkalinity	mg / l	50.00	200	600	IS: 3025 (Part 23) (1986)
Chlorides as Cl	mg / l	102.47	250	1000	APHA 4500 Cl B (22nd Edition)
Total Hardness	mg / l	195.00	200	600	APHA 2340 C (22nd Edition)
Calcium	mg / l	40.08	75	200	APHA 3500 Ca B (22nd Edition)
Residual chlorine	mg / l	Nil	0.20	1	IS 3025 part 26 (1986)
Sulphate	mg / l	22.1	200	400	IS3025 part24 (1986)
Nitrate	mg / l	0.89	45	No relaxation	EPA 352.1
Fluoride	mg / l	0.40	1	1.5	APHA 4500 F, D (22nd Edition)
Dissolved Oxygen	mg / l	5.10	-	-	IS3025 part 38 (1989)
Turbidity	NTU	0.05	1	5	APHA 2130 B (22nd Edition)
Heavy Metals:					
Iron (Fe)	mg / l	0.151	0.3	No relaxation	APHA 3111 (22nd Edition)
Copper (Cu)	mg / l	0.040	0.05	1.5	APHA 3111 (22nd Edition)
Zinc (Zn)	mg / l	0.072	5	15	APHA 3111 (22nd Edition)
Lead (Pb)	mg / l	0.001	0.01	No relaxation	APHA 3111 (22nd Edition)
Chromium (Cr)	mg / l	0.043	0.05	No relaxation	APHA 3111 (22nd Edition)
Ground Water level	Meters	3.9	-	-	Piezometer
Microbiological Analysis					
Total Coliform	MPN/ 100ml	Nil	Nil	Shall not be detectable in any 100ml sample	APHA 9221(B & C)(22nd Edition)
E coli	MPN/ 100ml	Absent	Absent	Absent	APHA 9221 (G)(22nd Edition)

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

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Soil Sample Analysis Report

Report No. - EAEPL/PM/KKDL/21-15/01/2017			**Report Date - 28.01.2017**
Name of Customer	**M/s Kumar Kering Developers LLP.**		**Reference –** Work order dated 10.07.2015
Site Address	"Palm Spring" Kondhwa, Pune.		
Nature and Description of Sample	Soil	**Sample Collected by**	EAEPL Laboratory
Sampling locations and Sample Code	1) PM/S/21-15/05/17	**Sample quantity and packing**	500 gm X 1 zip lock bag
		Preservation	Transported & stored in dry area
Date of Sampling	19.01.2017	**Date of Receipt**	21.01.2017
Sampling Procedure	Characterization of Hazardous Waste Sites - A Methods Manual: Volume II. Available Sampling Methods, Second Edition. EPA 600/4-84-076. December 1984.		
Period of Analysis	21.01.2017 to 28.01.2017		
Report for the month	January, 2017.		

Parameters	Unit	Results	Methods
pH	-	7.38	As per manual
EC	µS/cm	343.20	As per manual
Organic Matter	%	2.67	Maiti, pg.no. - 168
Available Phosphorus	mg/100gm	6.00	Goal, pg. no. 102
Sulphate	mg/100gm	21.20	Goal, pg. no.- 101
Soil Moisture	%	18.78	Maiti, pg. no. - 153
Water Holding Capacity	%	37.61	Ex.16. Text Book By S. Anand Net Port-80
Total Kjeldhal Nitrogen	%	0.54	Maiti, pg.no. - 171
Calcium	mg/100gm	171.37	Goal, pg. no.- 110
Magnesium	mg/100gm	38.93	Goal, pg. no.- 110
Sodium (Na)	ppm	27.30	Maiti, pg. no.- 188
Potassium (K)	ppm	36.24	Maiti, pg. no.- 188
Chlorides	mg/100gm	11.01	Goal, pg. no. - 100
Heavy Metals:			
Iron	ppm	799.50	Maiti, pg. no. 188
Lead	ppm	0.17	Maiti, pg. no. 188
Copper	ppm	1.94	Maiti, pg. no. 188
Zinc	ppm	1.85	Maiti, pg. no. 188

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

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Ambient Noise Level Monitoring Report

Report No. - EAEPL/PM/KKDL/21-16/01/2017			**Report Date - 28.01.2017**
Name of Customer	**M/s Kumar Kering Developers LLP.**		**Reference –** Verbal
Site Address	"Palm Spring" Kondhwa, Pune.		
Nature and Description of Sample	Noise	**Sample Collected by**	EAEPL Laboratory
Sampling locations and Sample Code	1) PM/N/21-16/01/17	**Sample quantity and packing**	Not Applicable
Date of Sampling	19.01.2017	**Date of Receipt**	Not Applicable
Sampling Procedure	Environmental Noise Survey Guidance document by EPA. Noise pollution (Regulation and Control) Amendment Rule 2010.		
Period of Analysis	Not Applicable		
Report for the month	January, 2017.		

Location name	Day Time		Night Time	
	Results	CPCB Permissible Limit	Results	CPCB Permissible Limit
Main gate	53.7	55	41.2	45
Centre side	54.5	55	43.0	45
Back side	53.9	55	42.8	45
Near gate No.2	51.5	55	40.7	45

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

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

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

Lab Incharge

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CIN No.: U28900MH1995PTC093129

B - 1003, Enviro House, 10th Flr., Western Edge II, Western Express Highway, Borivali (E), Mumbai - 400 066
Tel.: +91 22 2854 1647 / 48 / 49 / 67 / 68 E-mail : info@eaepl.com Website : www.eaepl.com

Stack Emission Analysis Report

Report No. - EAEPL/PM/KKDL/21-18/01/2017			Report Date – 28.01.2017
Name of Customer	M/s. Kumar Kering Developers LLP.		Reference –Verbal
Site Address	"Palm Spring" Kondhwa, Pune.		
Nature and Description of Sample	Stack	Sample Collected by	EAEPL Laboratory.
Sampling locations and Sample Code	1. DG set 1(320KVA) (PM/SE/21-18/01/17)	Sample quantity and packing	100 ml X 1 No. PVC bottle. TPM = 1 X 1 No. Filter paper
		Preservation	Cool -Transported and stored at 5 °C (± 1°C)
Date of Sampling	19.01.2017	Date of Receipt	21.01.2017
Sampling Procedure	Indian Standard Method for measurement of emissions from stationary sources, 11255 (Part-1 & 2)		
Period of Analysis	21.01.2017 to 28.01.2017		
Report for the month	January, 2017		

Sr. No.	Particulars	Stack Details (PM/SE/21-18/01/17)	Limits
1	Stack attached to	DG Set	-
2	Height from Ground level	47.9 m	
3	Type of Fuel	Diesel	-
4	Temp. of Flue Gas	115 °C	-
5	Flue Gas Velocity	11.90 m/sec	-
6	Total Particulate Matter (TPM)	14.26 mg/Nm^3	150 mg/Nm^3
7	Sulphur Dioxide (SO_2)	0.94 kg/day	5.0 kg/day

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

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

Lab Incharge

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Pune Branch :
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Tarankit Co Op.Hsg Soc Ltd.,
City S.No 209, B/1 Sadashiv Peth,
L.B.S. Road, Nr. Dnyanal Mangal Hall,
Pune – 411 030.
Tel.No. : +91 9324430071

Lab. :
Row House No 2, Shalom Garden,
Opp. Kanakia College,
100 FT., Kanakia Road,
Mira Rd. (E), Thane - 401 107.
Tel. 8879976441

Factory :
Plot No. E - 122,
MIDC Tarapur
Boisar
Thane - 401 506

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Stack Emission Analysis Report

Report No. - EAEPL/PM/KKDL/17-10/04/2017			Report Date – 24.04.2017
Name of Customer	M/s. Kumar Kering Developers LLP.		Reference –Verbal
Site Address	"Palm Spring" Kondhwa, Pune.		
Nature and Description of Sample	Stack	Sample Collected by	EAEPL Laboratory.
Sampling locations and Sample Code	1. DG set 1(320KVA) (PM/SE/17-10/04/17)	Sample quantity and packing	100 ml X 1 No. PVC bottle. TPM = 1 X 1 No. Filter paper
		Preservation	Cool -Transported and stored at 5 °C (± 1°C)
Date of Sampling	15.04.2017	Date of Receipt	17.04.2017
Sampling Procedure	Indian Standard Method for measurement of emissions from stationary sources, 11255 (Part-1 & 2)		
Period of Analysis	17.04.2017 to 24.04.2017		
Report for the month	April, 2017		

Sr. No.	Particulars	Stack Details (PM/SE/17-10/04/17)	Limits
1	Stack attached to	DG Set	-
2	Height from Ground level	47.9 m	
3	Type of Fuel	Diesel	-
4	Temp. of Flue Gas	119 °C	-
5	Flue Gas Velocity	12.28 m/sec	-
6	Total Particulate Matter (TPM)	14.70 mg/Nm^3	150 mg/Nm^3
7	Sulphur Dioxide (SO_2)	1.02 kg/day	5.0 kg/day

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

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

Lab Incharge

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Stack Emission Analysis Report

Report No. - EAEPL/PM/KKDL/21-19/01/2017			Report Date – 28.01.2017
Name of Customer	M/s. Kumar Kering Developers LLP.		Reference –Verbal
Site Address	"Palm Spring" Kondhwa, Pune.		
Nature and Description of Sample	Stack	Sample Collected by	EAEPL Laboratory.
Sampling locations and Sample Code	1. DG set 2(125 KVA) (PM/SE/21-19/01/17)	Sample quantity and packing	100 ml X 1 No. PVC bottle. TPM = 1 X 1 No. Filter paper
		Preservation	Cool -Transported and stored at 5 °C (± 1°C)
Date of Sampling	19.01.2017	Date of Receipt	21.01.2017
Sampling Procedure	Indian Standard Method for measurement of emissions from stationary sources, 11255 (Part-1 & 2)		
Period of Analysis	21.01.2017 to 28.01.2017		
Report for the month	January, 2017		

Sr. No.	Particulars	Stack Details (PM/SE/21-19/01/17)	Limits
1	Stack attached to	DG Set	-
2	Height from Ground level	10 m	
3	Type of Fuel	Diesel	-
4	Temp. of Flue Gas	104 °C	-
5	Flue Gas Velocity	12.10 m/sec	-
6	Total Particulate Matter (TPM)	12.96 mg/Nm^3	150 mg/Nm^3
7	Sulphur Dioxide (SO_2)	0.86 kg/day	5.0 kg/day

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

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

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Stack Emission Analysis Report

Report No. - EAEPL/PM/KKDL/17-11/04/2017			Report Date – 24.04.2017
Name of Customer	M/s. Kumar Kering Developers LLP.		Reference –Verbal
Site Address	"Palm Spring" Kondhwa, Pune.		
Nature and Description of Sample	Stack	Sample Collected by	EAEPL Laboratory.
Sampling locations and Sample Code	1. DG set 2(125 KVA) (PM/SE/17-11/04/17)	Sample quantity and packing	100 ml X 1 No. PVC bottle. TPM = 1 X 1 No. Filter paper
		Preservation	Cool -Transported and stored at 5 °C (± 1°C)
Date of Sampling	15.04.2017	Date of Receipt	17.04.2017
Sampling Procedure	Indian Standard Method for measurement of emissions from stationary sources, 11255 (Part-1 & 2)		
Period of Analysis	17.04.2017 to 24.04.2017		
Report for the month	April, 2017		

Sr. No.	Particulars	Stack Details (PM/SE/17-11/04/17)	Limits
1	Stack attached to	DG Set	-
2	Height from Ground level	10 m	
3	Type of Fuel	Diesel	-
4	Temp. of Flue Gas	108 °C	-
5	Flue Gas Velocity	11.98 m/sec	-
6	Total Particulate Matter (TPM)	13.02 mg/Nm^3	150 mg/Nm^3
7	Sulphur Dioxide (SO_2)	0.80 kg/day	5.0 kg/day

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

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

Lab Incharge

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Factory : Plot No. E - 122, MIDC Tarapur, Boisar, Tha... 401 506

Government of Maharashtra

SEAC-2010/CR-776/TC-2
Environment department,
Room No. 217, 2nd floor,
Mantralaya Annexe,
Mumbai 400 032
Date: 25th July, 2013

To,
M/s. Kumar Kering Properties Pvt. Ltd.
Kumar Capital 1st Floor 2413,
East Street, Camp, Pune - 411 001

Subject: Environmental clearance for proposed Residential Group Housing Scheme at village Undri, Tal Haveli, Dist. Pune by M/s. Kumar Kering Properties Pvt. Ltd - Environmental clearance regarding.

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, Maharashtra in its 60th meetings and decided to 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 52nd & 62nd Meetings.

2. It is noted that the proposal is for grant of Environmental Clearance for proposed Residential Group Housing Scheme at village Undri, Tal Haveli, Dist. Pune. SEAC considered the project under screening category 8(a) B2 as per EIA Notification 2006.

Brief Information of the project submitted by Project Proponent is as:

Name of Project	"Residential Group Housing Project"	
Project Proponent	M/s. Kumar Kering Properties Pvt. Ltd.	
Consultant	M/s. Saitech Research & Development Organization	
Type of Project	Group Housing Project	
Location of the Project	At Sr. No. 12/1/2, 12/1/3, 12/1/4, 12/2, 12/3A, 12/3B, 12/4, 12/5A/1, 12/5B, 12/6/1, 12/7, 12/8, 12/12/1, 12/12/3, 13/1/2/1, Village Undri, Ta. Haveli, Pune, Maharashtra	
Total Plot Area	78600.00 m^2	
Deductions	25405.25 m^2	
Net Plot area	53194.75 m^2	
Net Permissible FSI	71124.51 m^2	
Proposed Built up area (FSI & Non FSI)	• FSI area (m^2)	68452.50m^2
	• Non FSI area (m^2)	22715.66 m^2
	• Total BUA area (m^2)	91168.16 m^2
Ground-coverage Percentage (%)	42 %	

Estimated cost of the project	Rs. 113.79 Crores (Approx)
No. of buildings & its configurations	Total Number of Buildings 9 & 44 Bungalows • Nos. of Tenements: 440 • Buildings A1 to A8: P + 12 Floors • Bungalows B1 (6 Nos.), B2 (6 Nos.), B3 (6 Nos.), B4 (6 Nos.), C1 (5 Nos.), C2 (5 Nos.), C3 (5 Nos.) , D1 (2 Nos.) & D2 (3 Nos.): G + 1 • Building E: P + 10
Number of tenants and shops	Total tenants: 440 nos.
Number of expected residents / users	2200 persons
Tenant density per hector	58 Tenants/Hector
Height of the building	36 m
Right of way	24 m Wide RP road adjacent to the site
Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	12 m
Total Water Requirement	Dry season: • Source: Gram Panchayat • Fresh water : 205 m^3/day • Recycled water (Flushing) : 103 m^3/day • Recycled water (Gardening) : 94 m^3/day • Total Water Requirement : 402 m^3/day • Fire fighting (Underground water tank) : 300 m^3 • Fire fighting (Overhead water tank) : 10 m^3 • Excess treated water : 66 m^3/day Wet Season: • Source : Gram Panchayat • Fresh water : 205 m^3/day • Recycled water (Flushing) : 103 m^3/day • Total Water Requirement : 308 m^3/day • Fire fighting (Underground water tank) : 300 m^3 • Fire fighting (Overhead water tank) : 10 m^3 • Excess treated water : 161 m^3/day

Rain Water Harvesting (RWH)	• Level of the Ground water table : 3 m • Size, no of recharge pits and Quantity : • Size of the recharge pit = 3.0 m x 3.0 m x 3.0 m • No of recharge pit proposed = 10 Nos. • Budgetary allocation (Capital cost and O&M cost) • Capital Cost: 22 Lakhs • O & M Cost per Annum: 0.25 Lakhs
Storm water drainage	• Quantity of storm water : • Size of SWD: Strom water drain of 0.45m width & 0.2m depth @ slope 1:200 will be provided along the road in project area.
Sewage and Waste water	• Sewage generation : 277 m^3/day • STP technology : -Sequential Batch Reactor • Capacity of STP : 300 m^3/day • Location of the STP : Ground • DG sets (during emergency) : 1 X 125 KVA 2 X 250 KVA 2 X 500 KVA • Budgetary allocation (Capital cost and O&M cost) : • Capital Cost: Rs. 100 Lakhs • O & M Cost per Annum: Rs. 10 Lakhs
Solid waste Management	Waste generation in the Pre Construction & Construction phase: • Waste generation : 38 kg /day • Quantity of the top soil to be preserved : • Disposal of the construction way debris: Construction debris. Waste concrete and broken bricks will be utilized in low-land leveling, secondary concrete, below roads. Some quantity of Excavation soil will be use for backfilling and remaining will be hand over to authorized vendor. Waste generation in the operation Phase: • Dry waste : 410 kg/day • Wet waste : 616 kg/day • E – waste : very less amount • Hazardous waste: spent oil or oil grease for DG sets paints etc. STP Sludge (Dry sludge) : 33 kg/day Mode of Disposal of waste: • Dry waste : Handed over to authorized recycler for further handling and disposal • Wet waste: Will be converted to compost using Organic Waste Processor [OWP] model no. EPL 1000 • E – waste : Handed over to authorized Vendor • Hazardous waste : Handed over to authorized Vendor • STP Sludge (Dry sludge) : Will be used as manure for gardening Area requirement: 1. Location(s) : On Ground

	2. Total area provided for the storage & Treatment of the solid waste : For EPL 1000 - 100 m^2 3. Budgetary allocation (Capital cost and O&M cost) Capital Cost : 10 Lakhs O & M Cost : 2 Lakhs/Annum

Green Belt Development
RG on the ground : 8690.57 m^2
RG on the podium: 7023.94 m^2

Plantation:
Trees to be planted on the Ground 738 Nos. & Shrubs 21 Nos.
Trees to be planted on podium: 25 Nos.
Shrubs to be planted on podium: 21 Nos.
Budgetary allocation (Capital cost and O&M cost) :
Capital Cost : 85 Lakhs
O & M Cost : 6 Lakh/annum

Energy
Power supply:

Sr. No.	Power Requirement	
1	Source of power supply :MSEB	
2	During Construction Phase	63 KVA
3	During Operation Phase, Demand Load Connected Load	 6500 KVA 11500 KVA
4	DG set as Power Back – up during operation phase	1 no. x 125 KVA 2 nos. x 250 KVA 2 nos. x 500 KVA
5	Fuel used	Diesel

Energy saving by non-conventional method:

Energy saving measures

- All Fluorescent lights/ LED with Electronic ballast in place of Copper chokes & Tube - T5 type, in place of T8 type, to reduce the power consumption by 12 watts per lamp & increase in lumens by 14%. Further reduction by use of sensors (Power saving 1,63,146 KWH /year). r/l =7760x0.8x6hr/dayx365d/yrx12watts
- Hot water requirement for low rise, will be met by Solar water heating system (Power saving 12,56,661 KWH /year).
- All Buildings/ Areas will be equipped with Capacitor Banks, with heavy duty compact gas

filled capacitors with harmonic filters to maintain THD's less than 10% with auto power factor correction panels to be connected with LT panels at load end. This is to reduce the power losses caused by low power factor & Harmonic distortions of power wave form.

- Electrical distribution system will be monitored regularly and energy consumption will have check meter, so that any energy loss will be detected and will be rectified immediately.
- Insulated Roof to reduce heat gain.
- Common light load requirement in high rise buildings/ street lighting will be met by use of solar if feasible. Energy will be saved 50,000 KWH /year.

- Detail calculations & % of saving:

Sr. No.	Energy Conservation Measures	Saving %
1.	Lighting Fixtures with CFL & T5 with Electronic Ballast +Power.	20% on entire lighting load
2.	Lighting Control System on BMS & Sensors	10% street and common lights
3.	Solar water heating system/ lighting	20%
4.	Solar	Common lighting & small power.

- Budgetary allocation (Capital cost and O&M cost)

Capital Cost: Rs. 83.63 Lakhs
O & M Cost: Rs.1.5 Lakhs/Annum

DG Set:

- Number and capacity of the DG sets to be used :

During Construction Phase : 1 nos. X 80 KVA
During Operational phase: Residential: - 1 no. X 125 KVA
2 nos. X 250 KVA
2 nos. X 500 KVA

- Type of fuel used : Diesel

Traffic Management

Buildings	Wing	Number of tenements	Parking required 20+3+1.4=24.4 m² per tenement	Parking provided m
P+12	A1	47	1147	Stilt parking 4940 m² + Podium Parking 10760m² = 15700
P+12	A2	47	1147	
P+12	A3	47	1147	
P+12	A4	47	1147	
P+12	A5	47	1147	
P+12	A6	47	1147	
P+12	A7	47	1147	
P+12	A8	47	1147	
G+1	B1	6	146	146
G+1	B2	5	122	122
G+1	B3	5	122	122
G+1	B4	6	146	146
G+1	C1	5	122	122
G+1	C2	6	146	146
G+1	C3	6	146	146
G+1	D1	2	49	49
G+1	D2	3	73	73
P+10	E	20	488	488
TOTAL		440	10736	17262

Width of all Internal roads (m): 7.5 m, 9 m & 12 m Wide

Environmental Management plan Budgetary Allocation :

During Construction Phase:

Sr. No.	Parameter	Total cost in Lacs
1	Water for Dust Suppression	0.7
2	Site Sanitation & Safety	1.5
3	Environmental Monitoring	2.4
4	Disinfection	1.4
5	Health Check up	1.5
6	Total Cost	7.5

During Operation Phase:

Sr. No.	Pollution Control Measures	Recurring Cost Per Annum (Rs. Lakhs)	Capital Cost (Rs. Lakhs)
1.	Pollution Control – STP & Noise Control Measures	10 (Includes cost of power, operation & maintenance)	100 (Construction of STP)
2.	Environment Monitoring	5 (Monitoring charges for air, water, waste water, soil, DG stack, noise etc.)	Nil
3.	Solid Waste Management	2 (includes cost of waste collection, storage and disposal)	10 (Includes cost of waste collection, storage and disposal.)
4.	Solar water heater	1.5	83.63

	system		
5.	Occupational Health	2.5 (includes cost of medical checkup, PPE & first aid kit)	4 (includes cost of PPE, first aid facility)
6.	Green Belt development	6 (includes cost of landscaping of plot area)	85 (includes landscaping of plot area)
7.	Rain water harvesting	0.25	22
8	Others (EHS orientation & training)	3 (Environment & safety training)	10 (other equipments)
	Total	30.25	314.63

3. The proposal has been considered by SEIAA in its 52nd & 62nd meetings and 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:-

(i) Occupancy certificate should not be issued to the project unless adequate water supply is available to the project and sewerage line is ready in all respects to receive treated sewerage from the project.

(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. 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) 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.

(iv) "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.

(v) All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.

(vi) Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. 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.

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

(viii) Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.

(ix) The solid waste generated should be properly collected and segregated. dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material

(x) 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.

(xi) Arrangement shall be made that waste water and storm water do not get mixed.

(xii) All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.

(xiii) Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.

(xiv) Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.

(xv) 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.

(xvi) 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.

(xvii) 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.

(xviii) 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.

(xix) 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.

(xx) The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.

(xxi) 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.

(xxii) 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.

(xxiii) 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).

(xxiv) Ready mixed concrete must be used in building construction.

(xxv) The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of fire fighting equipments etc. as per National Building Code including measures from lighting.

(xxvi) Storm water control and its re-use as per CGWB and BIS standards for various applications.

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

(xxviii) The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.

(xxix) 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 Ministry before the project is commissioned for operation. Discharge of this unused treated affluent, 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 affluent, 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.

(xxx) Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.

(xxxi) Permission to draw ground water shall be obtained from the competent Authority prior to construction/operation of the project.

(xxxii) Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.

(xxxiii) 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.

(xxxiv) 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.

(xxxv) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement

(xxxvi) 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.

(xxxvii) Diesel power generating sets proposed as source of back up 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.

(xxxviii) 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.

(xxxix) 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.

(xl) 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 aspirational for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement

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

(xlii) 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.

(xliii) 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.

(xliv) Six monthly monitoring reports should be submitted to the Department and MPCB.

(xlv) A complete set of all the documents submitted to Department should be forwarded to the MPCB

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

(xlvii) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.

(xlviii) Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise 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.

(xlix) The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in.

(l) Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.

(li) A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.

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

(liii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.

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

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 bindfng on the project proponent. Hence this clearance does not give immunity to the project propoent 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 5 years.

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 , Van Vigyan Bhawan, Sec- 5, R.K. Puram, New Dehli – 110 022, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Rajeev

(R.A. Rajeev)
Principal Secretary,
Environment department &
MS, SEIAA

Copy to:

1. Shri. P.M.A Hakeem, IAS (Retd.), Chairman, SEIAA, 'Jugnu' Kottaram Road, Calicut- 673 006 Kerla.

2. Dr. S. Devotta, Chairman, SEAC, T2/302 Sky City, Vanagaram –Ambattur Road, Chennai – 600 095

3. Additional Secretary, MOEF, 'Paryavaran Bhawan' CGO Complex, Lodhi Road, New Delhi – 110510

4. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.

5. 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).

6. Regional Office, MPCB, Pune.

7. Collector, Pune.

8. Commissioner, Pune Municipal Corporation, Pune.

9. IA- Division, Monitoring Cell, MoEF, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi-110003.

10. Director (TC-1), Dy. Secretary (TC-2), Scientist-1, Environment Department.

11. Select file (TC-3).

MAHARASHTRA POLLUTION CONTROL BOARD

Phone : - 24010437/24020781/24014701

Fax : - 24044532 / 24023516

Email :- enquiry@mpcb.gov.in

Visit At:- http://mpcb.gov.in

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

Infrastructure/Orange/L.S.I

Consent order No: Format 1.0/BO/ROHQ/PN-19850-13CE/CAC - 2756 *Date: 21/03/2014*

To,

M/s. Kumar Kering Properties Pvt. Ltd. "Palmspring"
S.No. 12/1/2, 12/1/3, 12/1/4, 12/2, 12/3A&B, 12/4, 12/5A/1, 12/5B, 12/6/1, 12/7, 12/8, 12/12/1, 12/12/3, 13/1/2/1,
Village : Undri, Tal : Haveli, Dist : Pune 411001

Subject: Consent to Establish in Orange category Residential / construction project.

Ref : Minutes of Consent Committee meeting held on 13/03/2014

Your application CE1311000495 date 18/11/2013.

For: Consent to Establish.

Under Section 25 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Municipal Solid Waste (Management & Handling) Rule 2000 and E-Waste (Management & Handling Rule 2011 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. The consent to Establish is granted for a period upto:- **Commissioning of the unit or five years, whichever is earlier.**
2. The Proposed Capital investment of the Project is **Rs 113.79 Cr.** (As per CA certificate).
3. The Consent to Establish is valid for Residential project develop by **M/s. Kumar Kering Properties Pvt. Ltd. names as "Palmspring" at S.No. 12/1/2, 12/1/3, 12/1/4, 12/2, 12/3A&B, 12/4, 12/5A/1, 12/5B, 12/6/1, 12/7, 12/8, 12/12/1, 12/12/3, 13/1/2/1, Village : Undri Tal : Haveli, Dist : Pune 411001.** on total plot area of **78,600.0 Sq. mtrs** and total construction built up area of **91,168.16 Sq. mtrs.** 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	Standards to be achieved	Disposal
1.	Trade effluent	Nil	NA	NA
2.	Domestic effluent	277.00 CMD	As per Schedule –I	60% shall be reused & recycled and remaining shall be discharged in municipal sewer.

Maharashtra Pollution Control Board MAHARASHTRA Mumbai

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

Sr. No.	Description of stack / source	Number of Stack	Standards to be achieved
1.	DG sets (180 KVA)	1	As per Schedule –II
2.	DG sets (125 KVA)	1	As per Schedule –II
3.	DG sets (250 KVA) 2 Nos	2	As per Schedule –II
4.	DG sets (500 KVA) 2 Nos	2	As per Schedule –II

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

Sr. No.	Type Of Waste	Quantity	UOM	Treatment	Disposal
1.	Biodegradable Waste	616.0	Kg/Day	On site Composting	Used as manure
2.	Non Biodegradable Waste	410.0	Kg/Day	Segregation	By sale
3.	STP Sludge	45.0	Kg/D	---	Used as manure

7. **This Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.**

8. **This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government agencies.**

9. **The applicant shall comply with the conditions stipulated in Environment Clearance granted by GOM, vide no: SEAC-2010/CR-776/TC-2, dated 25th July 2013.**

10. **The applicant shall submit Board Resolution from Company Board, towards starting of construction work without obtaining consent to establish from the MPC Board thus violated the provisions of Environmental laws and in future, they will not do such violations and B.G. of Rs. 2 laks towards submission of Board Resolution by 01/04/2014.**

For and on behalf of the
Maharashtra Pollution Control Board

Maharashtra Pollution Control Board MAHARASHTRA Mumbai

(Rajeev Kumar Mital) IAS
Member Secretary

Received Consent fee of –

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	2,27,680/-	001534	22/10/2013	HDFC Bank

Copy to:

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

Maharashtra Pollution Control Board MAHARASHTRA Mumbai

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

1) **A] As per your consent application, you have proposed to provide the sewage treatment system with the design capacity of 300.0 CMD.**

B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards/ prescribed under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

1	pH	Not to exceed	6.5 to 9.0
2	Suspended Solids	Not to exceed	100 mg/l.
3	BOD 3 Days 27 degree C	Not to exceed	100 mg/l.
4	Detergent	Not to exceed	01 mg/l.

C] The treated domestic effluent shall be 60% recycled and reused for flushing, fire fighting and cooling of Air conditioners etc. The remaining shall be discharged into Municipal sewer/ utilized on land for gardening after conforming to above standards. The firm shall affix the separate meter for ensurance of 60% recycling of treated sewage and keep the records of the same. In no case effluent shall find its way to any water body directly /indirectly at any time.

2) **The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of water, works 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 an extension or addition thereto.**

3) **The firm 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 thereunder 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.	Domestic purpose	308.00

5) **The firm shall provide Specific Water Pollution control system as per the conditions of EPAct,1986 and rule made there under from time to time/ Environmental Clearance.**

Maharashtra Pollution Control Board MAHARASHTRA Mumbai

Schedule-II

Terms & conditions for compliance of Air & Noise Pollution Control:

1. **As per your application, you have proposed to erect following stack (s) and to observe the following fuel pattern-**

Sr. No.	Stack Attached To	Height in Mtrs. (Above roof top)	Type of Fuel	Quantity
1.	DG sets (180.0 KVA)	5.0	HSD	120Lit/Hr.
2.	DG sets (125.0 KVA)	5.0		
3.	DG sets (250.0 KVA) 2 Nos	5.0		
4.	DG sets (500.0 KVA) 2 Nos	5.0		

* D.G. Set shall be operate only in case of power failure.

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	150.00 mg/Nm^3.

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

4. **The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary)**

5. **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 generating activity shall be carried out during day time only.**

Maharashtra Pollution Control Board MAHARASHTRA Mumbai

Schedule-III
Details of Bank Guarantees

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Establish	Rs. 5.0 lakhs	15 days	Rs. 5.0 lakhs for ensuring the compliance of consent conditions.	Upto Commissioning of the unit	Five years
2	Establish	Rs. 2.0 Lakh	15 days	Rs. 2.0 Lakh towards submission of Board resolution by 31/03/2014	1/04/2014	30/08/14

Maharashtra Pollution Control Board
MAHARASHTRA
Mumbai

Schedule-IV

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 and E-Waste (Management & Handling Rule 2011.
3) Drainage system shall be provided for collection of sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No sewage shall be admitted in the pipes/sewers downstream of the terminal manholes. No sewage shall find its way other than in designed and provided collection system.
4) Vehicles hired for bringing construction material to the site should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
5) Conditions for D.G. Set
   a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
   b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
   c) The industry shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise to less than 55 dB(A) during day time and 45 dB(A) during the night time. Day time is reckoned between 6 a.m. to 10 p.m and night time is reckoned between 10 p.m to 6 a.m.
   d) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper sitting and control measures.
   e) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
   f) 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.
   g) D.G. Set shall be operated only in case of power failure.
   h) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
   i) 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) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
9) The treated sewage shall be disinfected using suitable disinfection method.
10) The firm shall submit to this office, the 30th day of September every year, the environment statement report for the financial year ending 31st march in the prescribed Form-V as per the provision of rule 14 of the Environmental (Protection) Second Amended rule 1992.
11) **The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before commissioning of the project.**

Maharashtra Pollution Control Board MAHARASHTRA Mumbai

Public Notice

English New paper Public Notice

07 MiD DAY NATION 05.10.2013 > PUNE, www.mid-day.com

REALTY EXPO-NENTS

MiD DAY HOT PROPERTY

The eighth edition of MiD DAY's Hot Property exhibition was kicked off yesterday at Viva Melange Ground, Virar (West). The exhibition, which began yesterday, will go on till tomorrow. Hitendra Thakur, president, Bahujan Vikas Aghadi inaugurated the event by lighting the lamp and cutting the ribbon with Rupesh Jadhav, deputy mayor, Vasai-Virar Municipal Corporation. Thakur said, "I am happy to see all the developers from Vasai-Virar area and members of team MiD DAY here. It's a wonderful initiative to promote housing in far-flung suburbs. This event signifies the region is developing."

...in groups of four or five while wearing through the streets and weaving between vehicles at breakneck speeds at night.

"We are now fishing out information on many other bikers who are involved in rash driving and illegal bike races. We are getting details about them from those bikers who are caught red-handed," said Deputy Commissioner of Police (Traffic) Pratap Dighavkar. These bikers will be booked under various sections of the Criminal Procedure Code (CrPC), he added.

Police said their approach to coaxing information on net- ...and street credibility.

Racing hubs

Traffic policemen claim that for the time being, they are targeting road stretches at Vakola, Kherwadi, Nirmal Nagar, Dion-Matunga, Worli Sea Face, Western and Eastern Express Highways, Bandra Bandstand and Reclamation areas. These locations are the preferred hotspots of speed demons and have gained notoriety for late-night races, said cops. Traffic cops will also seize the motorbikes and licences of the bikers that are caught driving rashly or speeding.

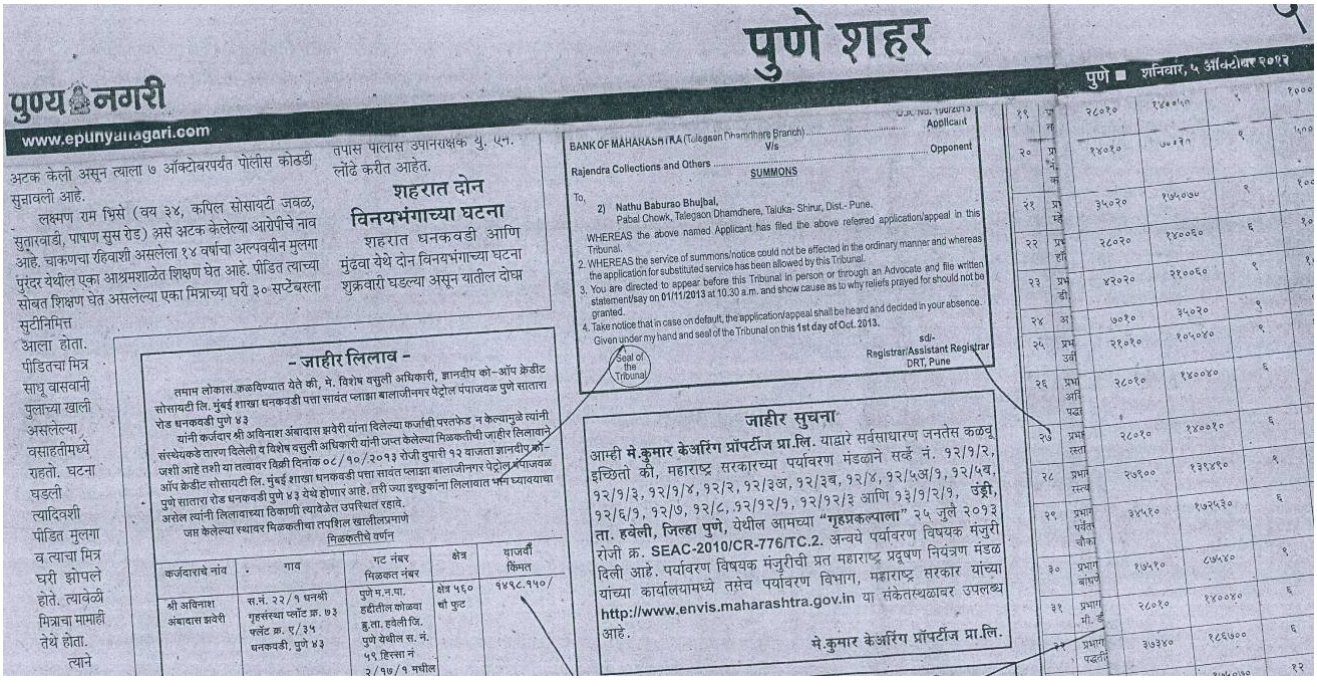
PUBLIC NOTICE

We, **M/s Kumar Kering Properties Pvt. Ltd.,** hereby bring to the kind notice of general Public that **Environment Department of Government Of Maharashtra** has granted environmental clearance for proposed **"Residential Group Housing Scheme"** situated at **S.No.12/1/2, 12/1/3, 12/1/4, 12/2, 12/3A, 12/3B, 12/4, 12/5A/1, 12/5B, 12/6/1, 12/7, 12/8. 12/12/1. 12/12/3, 13/1/2/1, Village Undri, Tal. Haveli, Pune, Maharashtra** vide their letter dated **25th July 2013** bearing file No. **SEAC-2010/CR-776/TC.2.**

The copies of the Clearance letter is available with Maharashtra Pollution Control board and may also be seen on the website of Department of Environment, Government of Maharashtra at **http://www.envis.maharashtra.gov.in**

M/s. Kumar Kering Properties Pvt. Ltd.

Marathi New Paper Public Notice



पुणे शहर

पुण्य नगरी

www.epunyanagari.com

पुणे ■ शनिवार, ५ ऑक्टोबर २०१३

अटक केली असून त्याला ७ ऑक्टोबरपर्यंत पोलीस कोठडी सुनावली आहे.

लक्ष्मण राम भिसे (वय ३४, कपिल सोसायटी जवळ, सुतारवाडी, पाषाण सुस रोड) असे अटक केलेल्या आरोपीचे नाव आहे. चाकणचा रहिवाशी असलेला १४ वर्षाचा अल्पवयीन मुलगा पुरंदर येथील एका आश्रमशाळेत शिक्षण घेत आहे. पीडित त्याच्या सोबत शिक्षण घेत असलेल्या एका मित्राच्या घरी ३० सप्टेंबरला सुटीनिमित्त आला होता. पीडितचा मित्र साधू वासवानी पुलाच्या खाली असलेल्या वसाहतीमध्ये राहतो. घटना घडली त्यादिवशी पीडित मुलगा व त्याचा मित्र घरी झोपले होते. त्यावेळी मित्राचा मामाही तेथे होता. त्याने तपास पोलीस उपनिरीक्षक यु. एन. लोंढे करीत आहेत.

शहरात दोन विनयभंगाच्या घटना

शहरात धनकवडी आणि मुंढवा येथे दोन विनयभंगाच्या घटना शुक्रवारी घडल्या असून यातील दोघ

- जाहीर लिलाव -

तमाम लोकास कळविण्यात येते की, मे. विशेष वसुली अधिकारी, ज्ञानदीप को-ऑप क्रेडीट सोसायटी लि. मुंबई शाखा धनकवडी पत्ता सायंत प्लाझा बालाजीनगर पेट्रोल पंपाजवळ पुणे सातारा रोड धनकवडी पुणे ४३

यांनी कर्जदार श्री अविनाश अंबादास झवेरी यांना दिलेल्या कर्जाची परतफेड न केल्यामुळे त्यांनी संस्थेकडे तारण दिलेली व विशेष वसुली अधिकारी यांनी जप्त केलेल्या मिळकतीची जाहीर लिलावाने जशी आहे तशी या तत्वावर विक्री दिनांक ०८/१०/२०१३ रोजी दुपारी १२ वाजता ज्ञानदीप को-ऑप क्रेडीट सोसायटी लि. मुंबई शाखा धनकवडी पत्ता सायंत प्लाझा बालाजीनगर पेट्रोल पंपाजवळ पुणे सातारा रोड धनकवडी पुणे ४३ येथे होणार आहे. तरी ज्या इच्छुकांना लिलावात भाग घ्यावयाचा असेल त्यांनी लिलावाच्या ठिकाणी त्यावेळेत उपस्थित रहावे.

जास मिळकतीचा तपशिल खालीलप्रमाणे

मिळकतीचे वर्णन

कर्जदाराचे नांव	गाव	गट नंबर मिळकत नंबर	क्षेत्र	वाजवी किंमत
श्री अविनाश अंबादास झवेरी	स.नं. २२/१ धनश्री गृहसंस्था प्लॉट क्र. ७३ फ्लॅट क्र. ए/३५ धनकवडी, पुणे ४३	पुणे म.न.पा. हद्दीतील मोळवा हु.ता. हवेली जि. पुणे येथील स. नं. ५९ हिस्सा नं २/१७/१ मधील	क्षेत्र ५६० चौ फुट	१४९८.१५०/-

BANK OF MAHARASHTRA (Talegaon Dhamdhere Branch) ..... Applicant

V/s

Rajendra Collections and Others ..... Opponent

SUMMONS

To,

2) Nathu Baburao Bhujbal,
Pabal Chowk, Talegaon Dhamdhere, Taluka- Shirur, Dist.- Pune.

WHEREAS the above named Applicant has filed the above referred application/appeal in this Tribunal.

2. WHEREAS the service of summons/notice could not be effected in the ordinary manner and whereas the application for substituted service has been allowed by this Tribunal.

3. You are directed to appear before this Tribunal in person or through an Advocate and file written statement/say on 01/11/2013 at 10.30 a.m. and show cause as to why reliefs prayed for should not be granted.

4. Take notice that in case on default, the application/appeal shall be heard and decided in your absence.

Given under my hand and seal of the Tribunal on this 1st day of Oct. 2013.

(Seal of the Tribunal)

sd/-
Registrar/Assistant Registrar
DRT, Pune

जाहीर सुचना

आम्ही **मे.कुमार केअरिंग प्रॉपर्टीज प्रा.लि.** याद्वारे सर्वसाधारण जनतेस कळवू इच्छितो की, महाराष्ट्र सरकारच्या पर्यावरण मंडळाने सर्व्हे नं. १२/१/२, १२/१/३, १२/१/४, १२/२, १२/३अ, १२/३ब, १२/४, १२/५अ/१, १२/५ब, १२/६/१, १२/७, १२/८, १२/१२/१, १२/१२/३ आणि १३/१/२/१, उंड्री, १२/६/१, ता. हवेली, जिल्हा पुणे, येथील आमच्या **"गृहप्रकल्पाला"** २५ जुलै २०१३ रोजी क्र. **SEAC-2010/CR-776/TC.2.** अन्वये पर्यावरण विषयक मंजुरी दिली आहे. पर्यावरण विषयक मंजुरीची प्रत महाराष्ट्र प्रदुषण नियंत्रण मंडळ यांच्या कार्यालयामध्ये तसेच पर्यावरण विभाग, महाराष्ट्र सरकार यांच्या **http://www.envis.maharashtra.gov.in** या संकेतस्थळावर उपलब्ध आहे.

मे.कुमार केअरिंग प्रॉपर्टीज प्रा.लि.