

Date: 31.05.2018

To,
Ministry of Environment and Forest,
Climate Change, Regional Offices (WCZ),
Ground Floor East Wing,
New Secretariat Building,
Civil Line, Nagpur -440001

Sub : Six month Compliance Submission as per Terms & Conditions stipulated in Environmental Clearance for proposed Residential scheme including MRTD rental scheme called "Indiabulls Greens" at Village: Kon & Arivali, Taluka: Panvel, District: Raigad

Ref. No. : Environmental Clearance No. SEAC-2010/CR/TC.2, Dated: 22nd November, 2010 amended No. SEIAA-2011/CR/TC.2 dated: 9th August, 2012

Respected Sir/Madam,

In reference to the above referred letter of your highly revered office we would like to submit the Current Status of our construction work and Point wise compliance status to various stipulations laid down by the Ministry in its clearance letter No. SEAC-2010/CR/TC.2, Dated: 22nd November, 2010 amended No. SEIAA-2011/CR/TC.2 dated: 9th August, 2012 along with the necessary annexure.

This Compliance report is submitted to for the period from October 2017 to March 2018.

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

Thanking you,

Yours Sincerely,

For, LUCINA LAND DEVELOPMENT LTD.


Authorized Signatory

Encl: Part A: Current Status of Construction Work
Part B: Point wise compliance status.
Datasheet
Annexure

Copy to Regional Office C.B.D Belapur, Navi Mumbai
Department of Environment Mantralaya, Mumbai
Regional Office CPCB, Vadodara

Q131 1350 266 6868



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Lucina Land Development Limited

Corp. Off: 15th Floor, Indiabulls Financial Centre, Elphinstone Mills Compound, 612, Senapati Bapat Marg, Elphinstone, Mumbai 400 013
Tel: (022) 61899701, Fax (022) 61899725 CIN: U70109DL2006PLC151260
Regd. Off: M - 62 & 63, First Floor, Connaught Place, New Delhi - 110 001 Tel: (011) 4152 3700 Fax (011) 4152 9071

Date: 31.05.2018

To,
Environment Department Government of Maharashtra,
Regional Office,
2nd Floor, New Administrative Building,
Madam Cama Road,
Mantralaya, Mumbai - 400032

Sub : Six month Compliance Submission as per Terms & Conditions stipulated in Environmental Clearance for proposed Residential scheme including MRTP rental scheme called "Indiabulls Greens" at Village: Kon & Arivali, Taluka: Panvel, District: Raigad

Ref. No. : Environmental Clearance No. SEAC-2010/CR./TC.2, Dated: 22nd November, 2010 amended No. SEIAA-2011/CR./TC.2 dated: 9th August, 2012

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Copy to Regional Office, MoEF Nagpur
Regional Office C.B.D Belapur, Navi Mumbai
Regional Office CPCB, Vadodara


04/6/2018
आवक लापेक
पर्यावरण विभाग
मंत्रालय, मुंबई-२२.

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Date: 31.05.2018

To,
S.R.O. Mumbai,
Raigad Bhavan
7th Floor Sector- 11
C.B.D Belapur, Navi Mumbai

Sub : Six month Compliance Submission as per Terms & Conditions stipulated in Environmental Clearance for proposed Residential scheme including MRTP rental scheme called "Indiabulls Greens" at Village: Kon & Arivali, Taluka: Panvel, District: Raigad

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Department of Environment Mantralaya, Mumbai
Regional Office CPCB, Vadodara

-Regional Office, Raigad
M.P.C. Board, Raigad Bhavan, 6th Floor
C.B.D. Belapur, Navi Mumbai-400 614

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Corp. Off: 15th Floor, Indiabulls Financial Centre, Elphinstone Mills Compound, 612, Senapati Bapat Marg, Elphinstone, Mumbai 400 013
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Regd. Off: M-62 & 63, First Floor, Connaught Place, New Delhi - 110 001 Tel: (011) 4152 3700 Fax: (011) 4152 9071

Date: 31.05.2018

To,
Central Pollution Control Board
Parivesh Bhawan, Atmajyoti Ashram Rd.
Opp. VMC Ward Office No. 10,
Shubhanpura,
Vadodara, Gujarat -390023

Sub : Six month Compliance Submission as per Terms & Conditions stipulated in Environmental Clearance for proposed Residential scheme including MRTP rental scheme called "Indiabulls Greens" at Village: Kon & Arivali, Taluka: Parnel, District: Raigad

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Department of Environment Mantralaya, Mumbai
Regional Office, MoEF Nagpur

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Lucina Land Development Limited

Corp. Off: 13th Floor, Indiabulls Financial Centre, Elphinstone Mills Compound, 612, Senapati Bapat Marg, Elphinstone, Mumbai 400 014
Tel: (022) 61899701, Fax: (022) 61899723 CIN: U70100IN2006PLC151260
Regd. Off: M - 62 & 63, First Floor, Connaught Place, New Delhi - 110 001 Tel: (011) 4152 3700 Fax: (011) 4152 9071

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: PART A :

Current Status of Work

Status of construction work	:	As per attached sheet.
a. Date of commencement (Actual and/or planned)	:	05/01/2011 (Actual)
b. Date of completion (Actual and/or planned)	:	December 2020 (Planned)

CURRENT STATUS OF WORK – Indiabulls Greens, Panvel

Location		Status
Sector 1	<u>Building 21:</u>	RCC completed. Finishing works in progress.
Sector 2	<u>Building 1:</u>	OC received
	<u>Building 2:</u>	OC received
	<u>Building 3:</u>	OC received
Sector 3	<u>Building 4:</u>	OC received
	<u>Building 5:</u>	OC received
	<u>Building 6:</u>	OC received
	<u>Building 20:</u>	OC received
Sector 4	<u>Building 8:</u>	OC received
	<u>Building 9:</u>	OC received
	<u>Building 10:</u>	OC received
	<u>Building 11:</u>	RCC, Finishing completed.
	<u>Building 17:</u>	RCC completed. Finishing works in progress.
	<u>Building 18:</u>	RCC completed. Finishing works in progress.
	<u>Building 19:</u>	RCC completed. Finishing works in progress.
Sector 5	<u>Building 14:</u>	RCC completed. Finishing works in progress.
	<u>Building 15:</u>	RCC completed. Finishing works in progress.
	<u>Building 16:</u>	RCC completed. Finishing works in progress.
Rental A	<u>Building 1:</u>	OC received
	<u>Building 2:</u>	OC received
Rental B	<u>Building 3:</u>	OC received
	<u>Building 4:</u>	OC received
	<u>Building 5:</u>	OC received
	<u>Building 6:</u>	OC received
	<u>Building 7:</u>	OC received
	<u>Building 8:</u>	OC received
	<u>Building 9:</u>	OC received
	<u>Building 10:</u>	OC received
	<u>Building 11:</u>	OC received

❖ Please refer **Annexure – 1** for **Occupancy Certificate**.

: PART B :

Point wise compliance status to various stipulations laid down by the Ministry in its clearance letter no. SEAC-2010/CR./TC.2, dated: 22nd November, 2010 and amended in EC letter no. SEIAA-2011/CR./TC.2, dated: 9th August, 2012 as follows:

Sr. No	Stipulated clearance condition	Compliance status
i.	This environmental clearance is subject to conditions stipulated in Rental Housing project scheme of MMRDA.	Noted.
ii.	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.	Agreed to comply with. ❖ STP's of capacity 1851 KLD and 2900 KLD are installed on the site and also STP of 103 KLD will be provided on the site. It will be used during operation phase. ❖ OWC for treatment of 11,985 Kgs/day biodegradable wastes will be provided during operation phase. ❖ 7,990 Kgs/day non-biodegradable waste has been sorted into recycled and non-recycled waste and handed over to Panvel Municipal Corporation/allied authority. ❖ RG area has been developed over an area of 26,065.07 Sq. meters.
iii.	Local Body should ensure that no occupation certificate will be issued prior to operation of STP/MSW site with due permission of MPCB. Physical Possession should be given only after completion of environmental & other infrastructure for which development charges are being collected by local body.	Noted & adhered to. ❖ STP's of capacity 1851 KLD and 2900 KLD are installed on the site and also STP of 103 KLD will be provided on the site. It will be used during operation phase.
iv.	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.	Agreed to comply with. ❖ Height of the building is as per the approved building plan. ❖ Please refer Annexure – 2 for Civil Aviation certificate. ❖ Zone certificate is attached as Annexure – 3. ❖ Approved Layout plan is attached as Annexure – 4. ❖ Commencement certificate is attached as Annexure – 5.

Sr. No	Stipulated clearance condition	Compliance status
v.	“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.	<ul style="list-style-type: none"> ❖ MPCB granted consent to establish vide order no. BO/RO(HQ)/CE/CAC-46, dated: 30/12/2010 & Revalidated consent order no. Format 1.0/BO/CAC Cell/CE(Reval)/CAC-0216, dated: 18/01/2017. ❖ Please refer Annexure – 6 for Consent to Establish.
vi.	All the required sanitary and hygiene measure should be in the place before starting construction activities and to be maintained throughout the construction phase.	<ul style="list-style-type: none"> ❖ 90 nos of toilets and 18 bathrooms have been provided on the project site. ❖ Site sanitation like safe & adequate MIDC water for drinking and domestic purpose, toilets, bathrooms and periodical medical checkup facilities have been provided. ❖ Please refer Annexure – 7 for Health Screening reports of workers. ❖ Waste generated from toilets and bathrooms is being disposed off to septic tank. ❖ Provision is made for a temporary room within the project site for collection, segregation and storage of biodegradable & non-biodegradable waste. ❖ Biodegradable waste is treated in OWC & non-biodegradable waste is being handed over to local Municipal solid waste treatment facility on daily basis.
vii.	The first aid room will be provided in the project both during construction and operational phase.	A First-Aid facility is provided at site.
iii.	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.	<ul style="list-style-type: none"> ❖ About 330 nos of residential & 240 nos of non-residential workers are working on project site. ❖ 68 nos of hutments have been provided on the site. ❖ Proper housekeeping & regular pest control have been carried out throughout construction. ❖ First Aid and medical facilities have been provided during construction. ❖ 90 nos of Toilets and 18 nos of bathrooms have been provided on the project site. ❖ Waste generated from toilets and bathrooms is being disposed off to septic tank.

Sr. No	Stipulated clearance condition	Compliance status
ix.	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.	<ul style="list-style-type: none"> ❖ 90 nos of toilets and 18 bathrooms have been provided on the project site. ❖ Site sanitation like safe & adequate MIDC water for drinking and domestic purpose, toilets, bathrooms and periodical medical checkup facilities have been provided. ❖ Please refer Annexure – 7 for Health Screening reports of workers. ❖ Waste generated from toilets and bathrooms is being disposed off to septic tank. ❖ Provision is made for a temporary room within the project site for collection, segregation and storage of biodegradable & non-biodegradable waste. ❖ Biodegradable waste is treated in OWC & non-biodegradable waste is being handed over to local Municipal solid waste treatment facility on daily basis.
x.	Arrangement shall be made that waste water and storm water do not get mixed.	<p>Agreed to comply with.</p> <ul style="list-style-type: none"> ❖ Provisions are made of channelization of storm water from site by using proper internal SWD system and discharge points of having adequate capacity.
xi.	All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.	<p>Agreed to comply with</p> <ul style="list-style-type: none"> ❖ Top soil is partly used in landscape development.
xii.	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.	<ul style="list-style-type: none"> ❖ Excavated material is already used for back filling and leveling within the project site.
iii.	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agricultural Dept.	<ul style="list-style-type: none"> ❖ Various varieties of trees shall be planted in RG area of 26,065.07 Sq. meters.
iv.	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority	<p>Complied.</p> <p>Excavated soil (part) is already used for back filling and plot leveling within the project site.</p>

Sr. No	Stipulated clearance condition	Compliance status
xv.	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.	<ul style="list-style-type: none"> ❖ The construction process does not involve any activity which may lead to leaching of heavy metals and toxic contaminants. ❖ No source of ground water on site hence, there is no threat of contamination to sub-soil and ground water. ❖ Soil is tested and the monitoring report for soil is attached as Annexure – 8.
vi.	Construction spoils including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such materials must be secured so that they should not leach in to the ground water.	No hazardous waste generation during construction phase.
vii.	Any hazardous waste generated during construction phase should be disposed off as per applicable rules & norms with necessary approvals of the Maharashtra Pollution Control Board.	No hazardous waste generation during construction phase.
iii.	The diesel generator sets to be used during construction phase should be of low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.	Agreed to comply with. <ul style="list-style-type: none"> ❖ During construction phase, the DG will be used in case of power failure. The diesel storage is within the DG unit. ❖ Proposed CPCB approved DG sets: 1) 630 KVA - 2 No's (Temporary)
ix.	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.	Agreed to comply with. <ul style="list-style-type: none"> ❖ During operation phase, the DG will be used in case of power failure. The diesel storage is within the DG unit. ❖ Provided & Proposed CPCB approved DG sets: 1) 750 KVA - 3 Nos. (Permanent) 2) 1250 KVA - 1 No. (Permanent) 3) 400 KVA - 1 No. (Permanent) 3) 500 KVA - 1 No. (Permanent)
xx.	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.	Complied. <ul style="list-style-type: none"> ❖ Vehicles having valid pollution check certificates are being allowed to enter the project site for bringing construction material. Also the vehicles are being operated only during non-peak hours.

Sr. No	Stipulated clearance condition	Compliance status
		<ul style="list-style-type: none"> ❖ Please refer Annexure – 9 for PUC certificates. ❖ Air quality levels and Noise levels is to be within prescribe standards. ❖ Please refer Annexure – 8 for Monitoring reports.
xi.	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. <ul style="list-style-type: none"> ❖ During construction adequate measures are taken to maintain ambient air and noise quality within the prescribed limits. ❖ Ambient air and Noise levels monitoring is being carried out during the construction phase. ❖ Please refer Annexure – 8 for Monitoring reports.
xii.	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 27 th August, 2003.(The above condition is applicable only if the project sites located within the 100 Km of Thermal Power Stations).	Complied Fly ash along with cement, metals & River Cruss and sand are being used.
iii.	Ready mixed concrete must be used in building construction.	Complied. Ready mixed concrete is used in building construction.
iv.	The approval of the competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of firefighting equipment, etc. as per National Building Code including measures from lighting.	Complied. Structural stability : <ul style="list-style-type: none"> ❖ Mr. Achyut Watve, (Consulting Structural Engineer certified the structural stability of the building vide letter no. TCN/2012-2013/1004, dated : 07/09/2012. ❖ Please refer Annexure – 10 for Structural stability certificate. Fire NOC : <ul style="list-style-type: none"> ❖ Fire NOC obtained from Director, Maharashtra Fire Services vide letter no. MFS/51/2013/487, dated : 18/07/2013. ❖ Please refer Annexure – 11 for Fire NOC.
xv.	Storm water control and its re-use as per CGWB and BIS standards for various applications.	Agreed to comply with.

Sr. No	Stipulated clearance condition	Compliance status
vi.	Water demand during construction should be reduced by use of pre mixed concrete, curing agents and other best practices referred.	Ready mixed concrete and curing agents are being used.
vii.	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.	❖ No source of ground water on the project site.
iii.	The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.	Agreed to comply with. ❖ STP's of capacity 1851 KLD and 2900 KLD are installed on the site to treat waste water and also STP of 103 KLD will be provided on the site. ❖ Treated sewage is reused for flushing, gardening & cooling tower make up.
ix.	Project proponent shall ensure completion of STP, MSW disposal Facility, prior to occupation of the buildings and should obtain completion certification for these/aspects from MPCB	Agreed to comply with. ❖ STP's of capacity 1851 KLD and 2900 KLD are installed on the site to treat waste water and also STP of 103 KLD will be provided on the site. ❖ Treated sewage is reused for flushing; gardening & cooling tower make up. ❖ OWC for treatment of 11,985 Kgs/day biodegradable wastes is provided. ❖ 7,990 Kgs/day non-biodegradable waste has been sorted into recycled and non-recycled garbage and handed over to Panvel Municipal Corporation/allied authority on daily basis. ❖ RG area has been developed over an area of 26,065.07 Sq. meters.
xx.	Local Body should ensure that no occupation certificate will be issued prior to operation of STP/MSW site with due permission of MPCB. Physical Possession should be given only after completion of environmental & other infrastructure for which development charges are being collected by local body.	❖ MPCB granted consent to establish vide order no. BO/RO(HQ)/CE/CAC-46, dated: 30/12/2010 & Revalidated consent order no. Format 1.0/BO/CAC Cell/CE(Reval)/CAC-0216, dated: 18/01/2017.
xi.	Permission to draw ground water and construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.	No source of ground water on project site.

Sr. No	Stipulated clearance condition	Compliance status
ii.	Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.	Agreed to comply with. Dual plumbing system will be provided for buildings for using the treated wastewater for flushing and gardening.
iii.	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.	Agreed to comply with. Low flow fixtures will be used for toilets, drinking water and showers.
iv.	The solid waste generated should be properly collected & segregated. Wet garbage should be composed and dry/inert solid waste should be disposed of for land filling after recovering recyclable material.	<ul style="list-style-type: none"> ❖ The solid waste has been collected & segregated into wet & dry waste. ❖ The wet garbage has been treated in an Organic Waste Converter (OWC) and the dry garbage has been handed over to Panvel Municipal Corporation/allied authority on daily basis. ❖ During operation phase dried STP sludge will be used as manure for gardening.
xv.	Use of glass may be reduced 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.	Agreed to comply with. Glass is used only for windows.
vi.	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.	Agreed to comply with. ❖ We will use appropriate thermal insulation material to fulfill the prescriptive requirement as per energy conservation building code.
vii.	Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under 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 DG sets may be decided with in consultation with Maharashtra Pollution Control Board.	Agreed to comply with. CPCB approved enclosed type D.G. sets with proper stack height will only be used in case of power failure. DG sets of capacity 1) 630 KVA- 2 Nos.(Temporary) 2) 750 KVA - 3 Nos. (Permanent) 3) 1250 KVA - 1 No. (Permanent) 4) 400 KVA - 1 No. (Permanent) 5) 500 KVA - 1 No. (Permanent)

Sr. No	Stipulated clearance condition	Compliance status
iii.	Energy conservation measures like installation of CFLs/TFLs for lighting the area 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 heater system. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional energy as source as a source of energy.	Energy conservation measures: <ul style="list-style-type: none"> ❖ All lifts are proposed on VFD drives which results in 15% saving in consumption. ❖ Most of the common area lighting is proposed to work on high energy efficient lamps (LED) with low watt loss ballast, as specifies in bureau of energy efficiency, which again results in saving in general consumption. The LPD is working less than 1W/m². ❖ Solar water heating is provided for residential flats for preheating geysers. ❖ All internal common area lighting system is provided/proposed to have high efficiency lamps LED/CFL. The LUX levels achieved are 150/200 LUX for ambient lighting ❖ Use of solar based pole lights for landscape lighting.
ix.	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.	Agreed to comply with. <ul style="list-style-type: none"> ❖ Landscape development will be carried out to mitigate noise pollution and to maintain noise levels within permissible standards. ❖ Also the proposed DG sets will be acoustic enclose type. ❖ Please refer Annexure – 8 for Noise monitoring reports.
xl.	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.	Agreed to comply with. <ul style="list-style-type: none"> ❖ Public road and public areas are not being used for project activity purpose and are free for smooth traffic movement. ❖ Provisions will be made for adequate parking facilities within the project complex. ❖ Parking area of 1,22,643 Sq. meter is provided.

Sr. No	Stipulated clearance condition	Compliance status
li.	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.	Agreed to comply with.
lii.	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	Agreed to comply with. ❖ Adequate distance is provided between two buildings to allow movement of fresh air and passage of natural light, air and ventilation.
iii.	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.	Agreed to comply with. Regular supervision of the above measures is being monitored by competent person.
iv.	Under the provision of the Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it is found that construction of the project has been started without obtaining environmental clearance.	Complied. ❖ Obtained Environmental clearance from SEIAA, Maharashtra vide letter no. SEAC-2010/CR./TC.2, dated: 22 nd November, 2010 and amended in EC letter no. SEIAA-2011/CR./TC.2, dated: 9 th August, 2012 before starting the construction of project. ❖ Please refer Annexure – 12 for Advertisement copy.
lv.	Six monthly monitoring reports should be submitted to the Regional office MoEF, Nagpur with copy to the department and MPCB.	Complied. ❖ Submitted six monthly compliance reports regularly since the grant of EC.
vi.	A complete set of all documents submitted to Department should be forwarded to Local authority and MPCB.	Complied. ❖ A complete set of all the documents have been submitted to MPCB along with the application of consent to application.
vii.	In case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.	Agreed to comply with.
iii.	No land development / constriction work preliminary or otherwise relating to the project shall be taken up without obtaining due clearance from respective authorities.	Agreed to comply with.
ix.	A separate environment management cell with qualified staff shall be set up for implementation of stipulated environment safeguards.	❖ We have appointed an Environment consultant for the required compilation.

Sr. No	Stipulated clearance condition	Compliance status
i.	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with time-wise break-ups. 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 purpose and year-wise expenditure should reported to the MPCB & this department.	Complying with. ❖ Rs. 32.30 Cr. has been spent on environmental protection measures. During operation phase : Capital cost : Rs. 1055.32 lakhs and O & M cost : Rs.324.82 lakhs per annum.
ii.	The project management shall advertise at least two local newspapers widely circulated in the region around the project, one of which shall be in 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	Complied. ❖ After getting Environmental clearance from SEIAA, Maharashtra, we published public notice in local newspapers. ❖ Please refer Annexure – 13 for Advertisement copy.
iii.	Project management should submit half yearly compliance reports in respect of the stipulated prior environmental clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1 st June & 1 st December of each calendar year.	Complied. ❖ Six monthly compliance reports regularly submitted as per the stipulated EC conditions to Regional office ❖ MPCB, Raigad Bhavan, Belapur. ❖ MoEF & CC, Nagpur. ❖ Environmental department Mantralaya and CPCB, Vadodara.
iii.	A copy of the clearance letter shall be sent by the proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggested/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.	Agreed to comply with.
iv.	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO ₂ , NO _x (ambient levels	Agreed to comply with.

Sr. No	Stipulated clearance condition	Compliance status
	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.	
lv.	The project proponent shall also submit six monthly reports on the status of the 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.	Complied. <ul style="list-style-type: none"> ❖ Six monthly compliance reports regularly submitted as per the stipulated EC conditions to Regional office ❖ MPCB, Raigad Bhavan, Belapur. ❖ MoEF & CC, Nagpur. ❖ Environmental department Mantralaya and CPCB, Vadodara.
vi.	The environmental statement of each financial year ending with 31 st 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.	Agreed to comply with. <ul style="list-style-type: none"> ❖ Environmental statement for the year 2016-2017 has been submitted on the MPCB portal and the statement for the year 2017-2018 will be submitted, post submission of this compliance report
vii.	The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.	Noted.
4	Project proponent should submit exactly same documents for approval of building plans to the concern authority as per the documents submitted to the SEIAA for prior Environmental Clearance.	Noted.

Sr. No	Stipulated clearance condition	Compliance status
5	In case of submission of false document and non-compliance of stipulated condition, authority/ environment department will revoke or suspend the environmental clearance with any intimation and initiate appropriate legal action under Environment Protection Act, 1986.	Noted.
7	The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.	Noted.
8	Validity of Environment Clearance: The environmental clearance accorded shall be valid for a period of 7 years.	The environmental clearance accorded is valid for 7 years as per MoEF & CC Notification dated 29 th April, 2015.
9	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.	Agreed to comply with.
10	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.	Agreed to comply with.
11	Any appeal against this environmental clearance shall lie with the National Green Tribunal, Van Vigyan Bhawan, Sec- 5, R.K. Puram, New Delhi – 110022, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act,2010	Noted.

Monitoring the Implementation of Environmental Safeguards
Ministry of Environment, Forests & Climate Change
Regional Office (WCZ), Nagpur

Monitoring Report

DATA SHEET

1.	Project type: River - valley/ Mining / Industry / Thermal / Nuclear / Other (specify)	:	Construction Project
2.	Name of the project	:	Residential scheme including MMRDA rental scheme called "INDIABULLS GREEN"
3.	Clearance letter (s) / OM No. and Date	:	SEAC-2010/CR./TC.2, Dated: 22 nd November, 2010 Amended no. SEIAA-2011/CR./TC.2, Dated: 9 th August, 2012
4.	Location	:	Kon & Arivali
	a. District (s)	:	Raigad.
	b. State (s)	:	Maharashtra.
	c. Latitude/ Longitude	:	Latitude : 18°57'10.45" N Longitude: 73°8'53.80"E
5.	Address for correspondence	:	Mr. Purav Kiranbhai Acharya Lucina Land Development Ltd. 16 th floor, Indiabulls Finance Centre, Elphinstone Mills Compound, 612-613, Senapati Bapat Marg, Elphinstone West, Mumbai-400013 Tel. No.: 022-6189 9700.
	a. Address of Concerned Project Chief Engineer (with pin code & Telephone/ telex/ fax numbers	:	Col. S. S. Kadyan (Retd.) Lucina Land Development Ltd. 16 th floor, Indiabulls Finance Centre, Elphinstone Mills Compound, 612-613, Senapati Bapat Marg, Elphinstone West, Mumbai-400013 Tel. No.: 022-6189 9700.
	b. Address of Executive Project: Engineer/Manager (with pincode/ Fax numbers)	:	Mr. Pritam Bhanushali Lucina Land Development Limited. S. NO. 80A, 83/2A, 83/3, 83/7 + 4B + 5B, 85/0, 86/1, 90/1A, 90/1B, 90/3B, 90/4, 90/7, 90/8, 90/9, 90/10, 90/11 & 91/5, Village: Kon & Arivali, Taluka: Panvel, District: Raigad.

6.	Salient features															
	a.	of the project	: <table><tr><td rowspan="5">Sale Buildings</td><td>Sector 1</td><td>1building 2B+G+P+31 floors</td></tr><tr><td>Sector 2</td><td>3 buildings 2B+G+P+32 floors</td></tr><tr><td>Sector 3</td><td>3 buildings 2B+G+P+32 floors 1 building 2B+G+P+37 floors</td></tr><tr><td>Sector 4</td><td>7 buildings 2B+G+P+37 floors</td></tr><tr><td>Sector 5</td><td>3 buildings 2B+G+P+37 floors</td></tr><tr><td>Rental Building</td><td>Sector 6</td><td>2 building: G+7 4 building: G+17 4building : G+18 1 building: G+19</td></tr></table>	Sale Buildings	Sector 1	1building 2B+G+P+31 floors	Sector 2	3 buildings 2B+G+P+32 floors	Sector 3	3 buildings 2B+G+P+32 floors 1 building 2B+G+P+37 floors	Sector 4	7 buildings 2B+G+P+37 floors	Sector 5	3 buildings 2B+G+P+37 floors	Rental Building	Sector 6
Sale Buildings	Sector 1	1building 2B+G+P+31 floors														
	Sector 2	3 buildings 2B+G+P+32 floors														
	Sector 3	3 buildings 2B+G+P+32 floors 1 building 2B+G+P+37 floors														
	Sector 4	7 buildings 2B+G+P+37 floors														
	Sector 5	3 buildings 2B+G+P+37 floors														
Rental Building	Sector 6	2 building: G+7 4 building: G+17 4building : G+18 1 building: G+19														
b.	of the environmental management plans	: <														

	a.	SC, ST/Adivasis	:	Not Applicable.
	b.	Others (Please indicate whether these Figures are based on any scientific And systematic survey carried out Or only provisional figures, it a Survey is carried out give details And years of survey)	:	Not Applicable.
9.	Financial details			
	a.	Project cost as originally planned and subsequent revised estimates and the year of price reference :		
	1.	Total Cost of the Project	:	Rs. 1208 Crores
	b.	Allocation made for environmental management plans with item wise and year wise Break-up.	:	❖ Rs. 32.30 Cr. has been spent on environmental protection measures. During operation phase : Capital cost : Rs. 1055.32 lakhs and O & M cost : Rs.324.82 lakhs per annum.
	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. 993.20 Cr.
	f.	Actual expenditure incurred on the environmental management plans so far	:	Rs.32.30 Cr.
10.	Forest land requirement			
	a.	The status of approval for diversion of forest land for non-forestry use	:	Not Applicable
	b.	The status of clearing felling	:	Not Applicable
	c.	The status of compensatory afforestation, it any	:	Not Applicable
	d.	Comments on the viability & sustainability of compensatory afforestation program in the light of actual field experience so far	:	Not Applicable
11.	The status of clear felling in Non-forest areas (such as submergence area of reservoir, approach roads), it any with quantitative information			Not Applicable

12.	Status of construction		:	As per part 'A'
	a.	Date of commencement (Actual and/or planned)	:	05/01/2011 (Actual)
	b.	Date of completion (Actual and/or planned)	:	December 2020 (Planned)
13.	Reasons for the delay if the Project is yet to start		:	--
14.	Dates of site visits			
	a.	The dates on which the project was monitored by the Regional Office on previous Occasions, if any	:	--
	b.	Date of site visit for this monitoring report	:	--
15.	Details of correspondence with Project authorities for obtaining Action plans/information on Status of compliance to safeguards Other than the routine letters for Logistic support for site visits) (The first monitoring report may contain the details of all the Letters issued so far, but the Later reports may cover only the Letters issued subsequently.)		:	--

Laboratory : G. V. Brothers Building, Bata Compound, Khopat, Near Flower Valley, Thane (West) - 400 601, Maharashtra, India
Telefax : +91 22 2547 49 07 / +91 22 2547 62 17 Email : lab@ultratech.in Visit us at : www.ultratech.in

TEST REPORT

ISSUED TO: M/s. LUCIANA LAND DEVELOPMENT LTD.

For Your Site : "LLDL Panvel Greens - Phase I"

Village : Kon, Near NITCO Logistics, Opp. Honda Godown,
Taluka Panvel, District Raigad- 410 216. Maharashtra.

REPORT NO. : UT/ELS/REPORT/C-103/03-2018

ISSUE DATE : 30/03/2018

YOUR REF. : 3266102479

REF. DATE : 17/06/2017

SAMPLE PARTICULARS :

Sampling Plan Ref. No.: C-11/03-2018

Sample Registration Date : 12/03/2018

Date of Sampling : 10/03/2018

Time of Sampling : 09:30 Hrs. to 17:30 Hrs.

Analysis Starting Date : 12/03/2018

Analysis Completion Date : 15/03/2018

Sample Lab Code : UT/ELS/C-063/03-2018

Ambient Air Temperature : 30.5 °C to 34.2 °C

AMBIENT AIR QUALITY MONITORING

Location Code : 01

Sample Location : Near Site Office

(10 meter off towards South direction)

Collected By : ULTRA-TECH

Height of Sampler : 1.0 Meter

Sampling Duration : 08 Hours

Relative Humidity : 45.8 % to 62.8 %

Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	Sulphur Dioxide (SO ₂)	IS 5182 (Part 02) : 2001	20	µg/m ³
2.	Oxides of Nitrogen (NO _x)	IS 5182 (Part 06) : 2006	31	µg/m ³
3.	Particulate Matter (PM ₁₀)	EPA/625/R-96/010a Method 10-2.1	77	µg/m ³
4.	Particulate Matter (PM _{2.5})	UT/LQMS/SOP/AA05	40	µg/m ³
5.	Carbon Monoxide (CO) †	IS 5182 (Part 10): 1999	1.2	mg/m ³

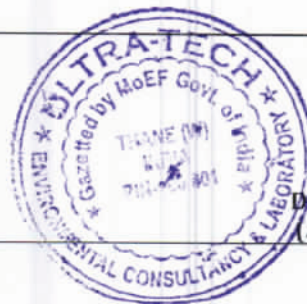
†: Sampling Period 1 Hr.

Opinions / Interpretations: National Ambient Air Quality Monitoring Standard, Part III- Section IV is enclosed as Enclosure-I for your reference.

Sampling Equipment Details	Instrument Used	Make & Model	Calibration Status
	Respirable Dust Sampler	Make - ENVIROTECH; Model - APM460BL ; Sr. No. 853-DTD-2007	Valid up to - 15/01/2019
	Fine Dust Sampler	Make - ENVIROTECH; Model - APM 550; Sr. No. 488-DTJ-2010	Valid up to - 15/01/2019

- Note:
1. This test report refers only to the sample tested.
 2. Monitoring area coming under Residential areas and observed values are relevant to sample collected only.
 3. This test report may not be reproduced in part, without the permission of this laboratory.
 4. Any correction invalidates this test report.
 5. Weather was Sunny throughout monitoring period.

- END OF REPORT -



For ULTRA-TECH,

D.A. Karnik

Deepa Tamhane-Karnik
(Authorized Signatory)

Laboratory : G. V. Brothers Building, Bata Compound, Khopat, Near Flower Valley, Thane (West) - 400 601, Maharashtra, India
Telefax : +91 22 2547 49 07 / +91 22 2547 62 17 **Email :** lab@ultratech.in **Visit us at :** www.ultratech.in

TEST REPORT

ISSUED TO: M/s. LUCIANA LAND DEVELOPMENT LTD.

For Your Site : "LLDL Panvel Greens - Phase I"

Village : Kon, Near NITCO Logistics, Opp. Honda Godown,

Taluka Panvel, District Raigad- 410 216, Maharashtra.

REPORT NO. : UT/ELS/REPORT/C-104/03-2018

ISSUE DATE : 30/03/2018

YOUR REF. : 3266102479

REF. DATE : 17/06/2017

SAMPLE PARTICULARS :

Sampling Plan Ref. No.: C-11/03-2018
Sample Registration Date : 12/03/2018
Date of Sampling : 10/03/2018
Time of Sampling : 10:00 Hrs. to 18:00 Hrs.
Analysis Starting Date : 12/03/2018
Analysis Completion Date : 15/03/2018
Sample Lab Code : UT/ELS/C-064/03-2018
Ambient Air Temperature : 31.1 °C to 34.7 °C

AMBIENT AIR QUALITY MONITORING

Location Code : 02
Sample Location : Near Gate No. 01
(12 Meter off towards South West direction)
Collected By : ULTRA-TECH
Height of Sampler : 1.0 Meter
Sampling Duration : 08 Hours
Relative Humidity : 45.7 % to 63.0 %

Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	Sulphur Dioxide (SO ₂)	IS 5182 (Part 02) : 2001	15	µg/m ³
2.	Oxides of Nitrogen (NO _x)	IS 5182 (Part 06) : 2006	29	µg/m ³
3.	Particulate Matter (PM ₁₀)	EPA/625/R-96/010a Method IO-2.1	84	µg/m ³
4.	Particulate Matter (PM _{2.5})	UT/LQMS/SOP/AA05	45	µg/m ³
5.	Carbon Monoxide (CO) †	IS 5182 (Part 10): 1999	1.0	mg/m ³

†: Sampling Period 1 Hr.

Opinions / Interpretations: National Ambient Air Quality Monitoring Standard, Part III- Section IV is enclosed as Enclosure-I for your reference.

Sampling Equipment Details	Instrument Used	Make & Model	Calibration Status
	Respirable Dust Sampler	Make Poltech; Model -PEM-RDS 8NL ; Sr. No. 3413	Valid up to - 12/01/2019
	Fine Dust Sampler	Make - Netel; Model - NPM FDS2.5/10µ (A); Sr. No. 243	Valid up to - 15/01/2019

Note:
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2. Monitoring area coming under Residential areas and observed values are relevant to sample collected only.
3. This test report may not be reproduced in part, without the permission of this laboratory.
4. Any correction invalidates this test report.
5. Weather was Sunny throughout monitoring period..

- END OF REPORT -

For ULTRA-TECH,



D.A. Karnik

Deepa Tamhane-Karnik
(Authorized Signatory)

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TEST REPORT

ISSUED TO: M/s. LUCIANA LAND DEVELOPMENT LTD.

For Your Site: "LLDL Panvel Greens - Phase I"

Village : Kon, Near NITCO Logistics, Opp. Honda Godown,

Taluka Panvel, District Raigad- 410 216. Maharashtra.

REPORT NO. : UT/ELS/REPORT/C-105/03-2018

ISSUE DATE : 30/03/2018

YOUR REF. : 3266102479

REF. DATE : 17/06/2017

SAMPLE PARTICULARS :

Sampling Plan Ref. No.: C-11/03-2018

Sample Registration Date : 12/03/2018

Date of Sampling : 10/03/2018

Time of Sampling : 10:30 Hrs. to 18:30 Hrs.

Analysis Starting Date : 12/03/2018

Analysis Completion Date : 15/03/2018

Sample Lab Code : UT/ELS/C-065/03-2018

Ambient Air Temperature : 30.7 °C to 33.9 °C

AMBIENT AIR QUALITY MONITORING

Location Code : 03

Sample Location : Near Sector No.5
(10 meter off towards East direction)

Collected By : ULTRA-TECH

Height of Sampler : 1.0 Meter

Sampling Duration : 08 Hours

Relative Humidity : 46.2 % to 65.8 %

Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	Sulphur Dioxide (SO ₂)	IS 5182 (Part 02) : 2001	18	µg/m ³
2.	Oxides of Nitrogen (NO _x)	IS 5182 (Part 06) : 2006	30	µg/m ³
3.	Particulate Matter (PM ₁₀)	EPA/625/R-96/010a Method 10-2.1	87	µg/m ³
4.	Particulate Matter (PM _{2.5})	UT/LQMS/SOP/AA05	55	µg/m ³
5.	Carbon Monoxide (CO) †	IS 5182 (Part 10): 1999	1.2	mg/m ³

†: Sampling Period 1 Hr.

Opinions / Interpretations: National Ambient Air Quality Monitoring Standard, Part III- Section IV is enclosed as Enclosure-I for your reference.

Sampling Equipment Details	Instrument Used	Make & Model	Calibration Status
	Respirable Dust Sampler	Make - Polltech; Model - PEM-RDS 8NL ; Sr. No. 3213	Valid up to - 12/01/2019
	Fine Dust Sampler	Make - Netel; Model - NPM FDS2.5/10µ (A); Sr. No. 154	Valid up to - 15/01/2019

Note:

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4. Any correction invalidates this test report.
5. Weather was Sunny throughout monitoring period.

- END OF REPORT -



For ULTRA-TECH,

D. A. Karnik

Deepa Tamhane-Karnik
(Authorized Signatory)

ENCLOSURE-I

NATIONAL AMBIENT AIR QUALITY STANDARDS, PART III-SECTION IV

The Gazette of India with Effect from Wednesday, November 18, 2009/KARTIKA 27, 1931

Sr. No.	Pollutants	Time Weighted Average	National Ambient Air Quality Standards	
			Industrial, Residential, Rural and Other Area	Ecological Sensitive Area (Notified by Central Government)
01.	Sulphur Dioxide (SO ₂), µg/m ³	Annual* 24 Hours**	50 80	20 80
02.	Oxides of Nitrogen (NO _x), µg/m ³	Annual* 24 Hours**	40 80	30 80
03.	Particulate Matter (PM ₁₀), µg/m ³	Annual* 24 Hours**	60 100	60 100
04.	Particulate Matter (PM _{2.5}), µg/m ³	Annual* 24 Hours**	40 60	40 60
05.	Carbon Monoxide (CO), mg/m ³	08 Hours* 01 Hours**	02 04	02 04

* Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.

** 24 hourly or 8 hourly or 1 hourly monitored values, as applicable, shall be complied with 98% of the time in a year. 2% of the time, they may exceed the limits but not on two consecutive days of monitoring.

NOTE: Whenever and wherever monitoring results on two consecutive days of monitoring exceed the limits specified above for the respective category, it shall be considered adequate reason to institute regular or continuous monitoring and further



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TEST REPORT

ISSUED TO: M/s. LUCIANA LAND DEVELOPMENT LTD.
For Your Site : "LLDL Panvel Greens - Phase I"
Village : Kon, Near NITCO Logistics, Opp. Honda Godown,
Taluka Panvel, District Raigad- 410 216. Maharashtra.

REPORT NO. : UT/ELS/REPORT/C-106/03-2018
ISSUE DATE : 30/03/2018
YOUR REF. : 3266102479
REF. DATE : 17/06/2017

SAMPLE PARTICULARS :

Sampling Plan Ref. No. : C-11/03-2018
Date of Monitoring : 10/03/2018

NOISE LEVEL QUALITY MONITORING

Sample Lab Code : UT/ELS/C-066/03-2018
Survey Done By : ULTRA-TECH

Sr. No.	Location	Noise Level Reading in dB(A)			
		Time (Hrs)	Day dB(A)	Time (Hrs)	Night dB(A)
01.	Near Main Gate	11:00 to 11:05	73.2	22:00 to 22:05	44.2
02.	Near Site Office	11:15 to 11:20	64.2	22:15 to 22:20	41.8
03.	Near Sector 5	11:30 to 11:35	70.5	22:30 to 22:35	43.7
04.	Near RMC Plant	11:45 to 11:50	69.2	22:45 to 22:50	42.8

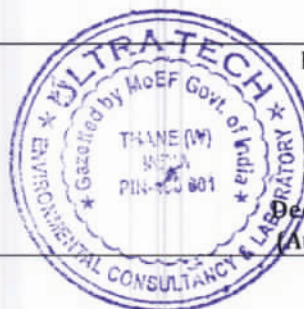
Opinions / Interpretations: The Noise Pollution (Regulation And Control) Rules, 2000: Standard Is Enclosed as Enclosure II for Your Reference.

Note: 1. Monitoring area coming under Residential Area.
2. Noise level monitored is an average for period as stated above, the permissible sound pressure level is to be determined with respect to the total time a workman is being exposed (continuously or a number of short term exposures per day) in Hrs.

Sampling Equipment Details	Instrument Used	Make & Model	Calibration Status
	Sound Level Meter	Make - OPTTEL; Model - dB Meter; Sr. no. 6N-91	Valid up to - 10/10/2018

Note: 1. This test report refers only to the monitoring conducted.
2. This test report may not be reproduced in part, without the permission of this laboratory.
3. Any correction invalidates this test report.

- END OF REPORT -



For ULTRA-TECH,

D.A. Karnik

Deepa Tamhane-Karnik
(Authorized Signatory)

ENCLOSURE - II

THE NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000

(The Principal Rules were published in the Gazette of India, vide S.O. 123(E), dated 14.2.2000 and subsequently amended vide S.O. 1046(E), dated 22.11.2000, S.O. 1088(E), dated 11.10.2002, S.O. 1569 (E), dated 19.09.2006 and S.O. 50 (E) dated 11.01.2010 under the Environment (Protection) Act, 1986.)

• SCHEDULE

(See rule 3(1) and 4(1))

Ambient Air Quality Standards in respect of Noise

Area Code	Category of Area / Zone	Limits in dB(A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

- Note:
- Day time shall mean from 6.00 a.m. to 10.00 p.m.
 - Night time shall mean from 10.00 p.m. to 6.00 a.m.
 - Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
 - Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

* dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

A "decibel" is a unit in which noise is measured.

"A", in dB(A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear.

Leq: It is energy mean of the noise level over a specified period.

• CONSTRUCTION ACTIVITIES

The maximum noise levels near the construction site should be limited to 75 dB(A) Leq(5 min.) in industrial areas and to 65 dB(A) Leq(5 min.) in other areas.

• THE PERMISSIBLE LEVELS FOR NOISE EXPOSURE FOR WORK ZONE

(The Model Rules Of The Factories Act, 1948)

Peak sound pressure level in dB	Permitted number of impulses or impact/day
140	100
135	315
130	1000
125	3160
120	10000

- Notes:
- No exposure in excess of 140 dB peak sound pressure level is permitted.
 - For any peak sound pressure level falling in between any figure and the next higher or lower figure as indicated in column 1, the permitted number of impulses or impacts per day is to be determined by extrapolation on a proportionate basis.

Total time exposure (continuous or a number of short term exposures per day) in Hrs	Sound Pressure Level in dB(A)
8	90
4	93
2	96
1	99
1/2	102
1/8	108
1/16	111
1/32 (2 minutes) or less	114

- Notes:
- No exposure in excess of 115 dB(A) is to be permitted.
 - For any period of exposure falling in between any figure and the next higher or lower figure as indicated in column 1, the permissible sound pressure level is to be determined by extrapolation on a proportionate basis.



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TEST REPORT

ISSUED TO: M/s. LUCIANA LAND DEVELOPMENT LTD.

For Your Site : "LLDL Panvel Greens - Phase I"

Village : Kon, Near NITCO Logistics, Opp. Honda Godown,

Taluka Panvel, District Raigad- 410 216. Maharashtra.

REPORT NO. : UT/ELS/REPORT/C-107/03-2018

ISSUE DATE : 30/03/2018

YOUR REF. : 3266102479

REF. DATE : 17/06/2017

SAMPLE PARTICULARS :

Sampling Plan Ref. No. : C-11/03-2018
Sample Registration Date : 12/03/2018
Date & Time of Sampling : 10/03/2018 at 16:30 Hrs
Analysis Starting Date : 12/03/2018
Analysis Completion Date : 24/03/2018
Sample Collected By : ULTRA-TECH
Sample Lab Code : UT/ELS/C-067/03-2018

WATER SAMPLE ANALYSIS

Sample Type : Ground Water
Sample Location : --
Sample Quantity & Packing Details : 2 L in Plastic Container and 100ml in Sterile Corning Bottle.

Sr. No.	Test Parameter	Test Method	Test Result	Unit
PHYSICAL PARAMETERS:-				
1.	Turbidity*	IS 3025 (Part 10) 1984	0.8	NTU
CHEMICAL PARAMETERS:-				
2.	pH	IS 3025 (Part 11) 1983	7.1	-
3.	Electrical Conductivity*	IS 3025 (Part 14) 1984	474	µS/cm
4.	Total Dissolved Solids	IS 3025 (Part 16) 1984	308	mg/L
5.	Total Hardness as CaCO ₃	IS 3025 (Part 21) 2009	198	mg/L
6.	Total Alkalinity as CaCO ₃	IS 3025 (Part 23) 1986	192	mg/L
7.	Phenolphthalein Alkalinity as CaCO ₃	IS 3025 (Part 23) 1986	BDL [DL=1]	mg/L
8.	Sulphate as SO ₄ ²⁻	APHA 4500- SO ₄ ²⁻ E	39	mg/L
9.	Phosphate as PO ₄ ³⁻	APHA 4500 P E	BDL [DL=0.03]	mg/L
10.	Chlorides as Cl ⁻	IS 3025 (Part 32) 1988	45	mg/L
11.	Ammonical Nitrogen as NH ₃ -N	IS 3025 (Part 34) 1988	BDL [DL=0.1]	mg/L
12.	Nitrates as NO ₃ ⁻	IS 3025 (Part 34) 1988	6.60	mg/L
13.	Calcium Hardness as CaCO ₃	IS 3025 (Part 40) 1991	110	mg/L
14.	Calcium as Ca	IS 3025 (Part 40) 1991	44	mg/L
15.	Potassium as K ⁺	IS 3025 (Part 45) 1993	2.1	mg/L
16.	Sodium as Na ⁺	IS 3025 (Part 45) 1993	32	mg/L
17.	Magnesium as Mg	IS 3025 (Part 46) 1994	21	mg/L
18.	Lead as Pb	IS 3025 (Part 47) 1994	BDL [DL=0.01]	mg/L
19.	Iron as Fe	IS 3025 (Part 53) 2003	BDL [DL=0.06]	mg/L
20.	Fluoride as F ⁻	APHA 4500-F D	BDL [DL=0.2]	mg/L
BACTERIOLOGICAL PARAMETERS:				
21.	Total Coliform*	IS 1622 : 1981	40	MPN/100 ml
22.	F.Coli*	IS 1622 : 1981	BDL [DL=2]	MPN/100 ml
23.	E.Coli*	IS 1622 : 1981	Absent	-

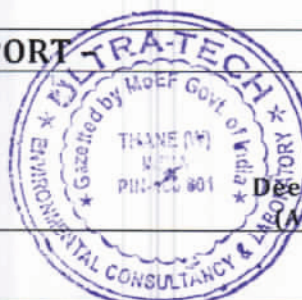
DL - Detection Limit

BDL - Below Detection Limit

Opinions / Interpretations: The given sample confirms with standard specifications as per IS 10500:2012 for above analyzed parameters.

Note: 1. This test report refers only to the sample tested.
2. This test report may not be reproduced in part, without the permission of this laboratory.
3. Any correction invalidates this test report.
4. *Parameters are not covered under NABL Scope.

- END OF REPORT



For ULTRA-TECH

Deepa Tamhane-Karnik
(Authorized Signatory)

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TEST REPORT

ISSUED TO: M/s. LUCIANA LAND DEVELOPMENT LTD.

For Your Site : "LLDL Panvel Greens - Phase I"

Village : Kon, Near NITCO Logistics, Opp. Honda Godown,

Taluka Panvel, District Raigad- 410 216, Maharashtra.

REPORT NO. : UT/ELS/REPORT/C-108/03-2018

ISSUE DATE : 30/03/2018

YOUR REF. : 3266102479

REF. DATE : 17/06/2017

SAMPLE PARTICULARS

Sampling Plan Ref. No. : C-11/03-2018
Sample Registration Date : 12/03/2018
Date & Time of Sampling : 10/03/2018 at 15:30 Hrs.
Analysis Starting Date : 12/03/2018
Analysis Completion Date : 30/03/2018
Sample Collected By : ULTRA-TECH
Sample Lab Code : UT/ELS/C-068/03-2018

SOIL QUALITY MONITORING

Sample Type : Surface Soil (at 15cm depth)
Sample Location : Near Labour Colony
Sample Quantity & Packing Details : 1kg In Plastic Bag Contained in Zip Lock Bag

Sr. No.	Test Parameter	Test Methods	Test Result	Unit
1.	Colour*	-	Brown	-
2.	Moisture Content	IS:2720 (Part 2) : 1973	9.4	%
3.	Bulk Density	UT/LQMS/SOP/S03	1087	kg/m ³
4.	Organic Matter	IS:2720 (Part 22) : 1972	1.1	%
5.	Total Organic Carbon	IS:2720 (Part 22) : 1972	0.6	%
6.	pH	IS:2720 (Part 26) : 1987	7.3	-
7.	Conductivity(1:2soil:Water Extract)	IS:14767- 2000	0.383	mS/cm
8.	Salinity (1:2 soil: Water Extract)*	Calculated in terms of Total Dissolved Solids	237	mg/L
9.	Sodium as Na (Water Extractable)*	UT/LQMS/SOP/S19	63	mg/kg
10.	Magnesium as Mg (Water Extractable)*	UT/LQMS/SOP/S22	40	mg/kg
11.	Chlorides as Cl ⁻ (Water Extractable)*	UT/LQMS/SOP/S23	81	mg/kg
12.	Sulphate as SO ₄ ²⁻ (Water Extractable)*	UT/LQMS/SOP/S24	135	mg/kg
13.	Sodium Adsorption Ratio*	UT/LQMS/SOP/S26	0.4	(meq/kg) ^{1/2}
14.	Cation Exchange Capacity	USEPA 846 9080	23.8	meq/100g
15.	Water Holding Capacity	ASTM- T7367-07	50.8	%
16.	Available Boron as B (Available)	UT/LQMS/SOP/S27	1.5	mg/kg
17.	Phosphorous as P ₂ O ₅ (Available)	UT/LQMS/SOP/S28	88	kg/ha
18.	Potassium as K ₂ O (Available)	UT/LQMS/SOP/S29	201	kg/ha
19.	Nitrogen as N (Available)	UT/LQMS/SOP/S30	188	kg/ha
20.	Iron as Fe	USEPA SW846 7380	61234	mg/kg
21.	Zinc as Zn	USEPA SW846 7950	82	mg/kg

BDL= Below Detection Limit

DL= Detection Limit

Opinions / Interpretations: NIL

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- END OF REPORT -



For ULTRA-TECH

D. A. Karnik

Deepa Tamhane-Karnik
(Authorized Signatory)