Indiabulls Real Estate Company Private Limited

Date:22.05.2018

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 our proposed residential development and Commercial Development at Elphinstone Mill at 612 and 613 Lower Parel Division, Elphinstone Mill, Senapati Bapat Marg, Mumbai, Maharashtra.**

Ref. No. : **Environmental Clearance letter NO. SEAC 2010/CR.180/TC.2 Dated: 23rd January 2012 ; and subsequently amended on 3rd July 2017 vide letter no SEAC-2016/C.R.424/TC-1**

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 in clearance letter No **SEAC 2010/CR.180/TC.2 Dated: 23rd January 2012 ; and subsequently amended on 3rd July 2017 vide letter no SEAC-2016/C.R.424/TC-1** along with the necessary annexure.

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

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

Thanking you,

With warm regards,

For, **M/s. INDIABULLS REAL ESTATE CO. PVT. LTD.**

Authorized Signatory

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

Copy to *Regional Office, Govandi, Mumbai*
Department of Environment Mantralaya, Mumbai
Regional office, CPCB Vadodara

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Indiabulls Real Estate Company Private Limited

Date:22.05.2018

To,

Environment Department Government of Maharashtra,
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 our proposed residential development and Commercial Development at Elphinstone Mill at 612 and 613 Lower Parel Division, Elphinstone Mill, Senapati Bapat Marg, Mumbai, Maharashtra.**

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Copy to *Regional Office, MoEF, Nagpur*
Regional Office Govandi, Mumbai
Regional Office, CPCB Vadodara

30-5-18
आवक लिपिक
पर्यावरण विभाग
मंत्रालय, मुंबई-३२.

Indiabulls Real Estate Company Private Limited

Date:22.05.2018

To,
S.R.O. Mumbai-I,
201-202, Raikar Chambers,
Govandi Station Road, near Jain Temple,
Govandi, Mumbai 400 088.

Sub : **Six Month Compliance submission as per Terms & Conditions stipulated in Environmental Clearance for our proposed residential development and Commercial Development at Elphinstone Mill at 612 and 613 Lower Parel Division, Elphinstone Mill, Senapati Bapat Marg, Mumbai, Maharashtra.**

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Authorized Signatory

Encl : *Part A: Current Status of Construction Work*
Part B. Point wise compliance status.
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Copy to *Regional Office, MoEF, Nagpur*
Department of Environment Mantralaya, Mumbai
Regional Office, CPCB Vadodara

29/5/18
REGIONAL OFFICE, MUMBAI
MAHARASHTRA POLLUTION CONTROL BOARD,
RAIKAR CHAMBERS, "A" WING, 216, 2ND FLOOR
DEONAR GAON ROAD, NEAR JAIN MANDIR,
GOVANDI (E), MUMBAI - 400088

Indiabulls Real Estate Company Private Limited

Date:22.05.2018

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 our proposed residential development and Commercial Development at Elphinstone Mill at 612 and 613 Lower Parel Division, Elphinstone Mill, Senapati Bapat Marg, Mumbai, Maharashtra.**

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Regional Office, MPCB, Govandi, Mumbai
Department of Environment, Mantralaya, Mumbai

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Annexure – 02	HRC NOC
Annexure – 03	DP Remark
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Annexure – 05	Layout Plan
Annexure – 06	Consent to Establish
Annexure – 07	Health Screening Reports of Worker's
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Annexure – 10	PUC Certificate
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: PART A :

Current Status of Work

Status of construction		**:**	**1.** 18th Floor RCC work completed. **2**. 19th Floor RCC work is in progress.
a.	Date of commencement (Actual and/or planned)	**:**	**15th November 2012 (Actual)**
b.	Date of completion (Actual and/or planned)	**:**	**March 2019 (Planned)**

PART B:

POINT WISE COMPLIANCE STATUS

Point wise compliance status to various stipulations laid down by the Ministry in its clearance letter No. SEAC 2010/CR.180/TC.2 Dated: 23rd January 2012 ; Amended SEAC-2016/C.R.424/TC-1 dated 3rd July 2017 are as follows:

Sr. No.	Stipulated clearance condition	Compliance status
i	E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.	**Agreed to comply with.**
ii	The Occupancy Certificate shall be issued by the Local Planning Authority to the project only after ensuring sustained availability of drinking water, connectivity of sewer line to the project site and proper disposal of treated water as per environmental norms.	**Agreed to comply with**. ❖ Refer **Part Occupation Certificate** which is attached as **Annexure 01** (for Wing A,B & C)
iii	This environmental clearance is issued subject to obtaining NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for Wild life as if applicable & this environment clearance does not necessarily implies that Forestry & Wild life clearance granted to the project which will be considered separately on merit.	❖ NOC from Wild Life Board is Not Applicable as per final Notification reg. ESZ of SGNP published by MOEF & CC u/no. S.O.3645 (E) dated 05/12/2016 as our project site is not affected by the ESZ belt**.**
iv	PP has to abide by the conditions stipulated by SEAC & SEIAA	**Agreed to comply with.**
v	The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.	**Agreed to comply with.** ❖ Height of the building will be as per the approved building plan. ❖ Please refer **Annexure 02** for **HRC** ❖ As per DP remarks the project site is in residential zone. **DP remark** is attached as **Annexure 03** ❖ **Commencement Certificate** is attached as **Annexure 04.** ❖ **Approved Layout Plan** is attached as **Annexure 05.**
vi	If applicable Consent for Establishment" shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any	❖ MPCB granted consent to establish Consent No. BO/RO (HQ)/CO/CAC- 667 dated 23.10.2012.

Sr. No.	Stipulated clearance condition	Compliance status
	construction work at the site.	❖ **Consent to Establish** is attached as **Annexure – 06.**
vii	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	**Agreed to comply with.** ❖ About 250 no's of residential & 100 no's of non- residential workers are working on project site. ❖ Proper housekeeping & regular pest control have been carried out throughout construction. ❖ First Aid and medical facilities have been provided during construction. ❖ 18 no's of Toilets and 03 no's of bathrooms have been provided on the project site. ❖ Site sanitation like safe & adequate Municipal water for drinking & domestic purpose, toilets, bathrooms and periodical medical checkup facilities have been provided. ❖ **Annexure-07** for **Health Screening reports of worker's**. ❖ Waste generated from toilets and bathrooms is being disposed off to connected sewer line. ❖ Refer **Annexure 08** for **Sewerage NOC.**
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.	**Agreed to comply with.** ❖ 18 no's of Toilets and 03 no's of bathrooms have been provided on the project site. ❖ Site sanitation like safe & adequate Municipal water for drinking & domestic purpose, toilets, bathrooms and periodical medical checkup facilities have been provided. ❖ **Annexure-07** for **Health Screening reports of worker's**. ❖ Waste generated from toilets and bathrooms is being disposed off to

Sr. No.	Stipulated clearance condition	Compliance status
		connected sewer line. ❖ Refer **Annexure 08** for **Sewerage NOC.** ❖ Provision is made for a temporary room within the project site for collection, segregation and storage of biodegradable & non-biodegradable waste. ❖ Solid waste is handed over to local solid waste management facility for further treatment on daily basis.
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.	❖ Construction waste generated during construction activity is partly reused on the site and partly disposed to authorized landfill site. ❖ Wastes generated by construction labors have been segregated into biodegradable and non-biodegradable and has been handed over to M.C.G.M. ❖ During operation phase dried STP sludge will be used as manure.
x	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	**Complied.** ❖ Excavated material is partly reused for plot leveling and partly disposed to authorized sites as per the approval of solid waste management division of MCGM
Xi	Arrangement shall be made that waste water and storm water do not get mixed.	**Agreed to comply with.**
Xii	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.	**Agreed to comply with.** ❖ Top soil is used in landscape development.
xiii	Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.	❖ Excavated soil is partly used for backfilling and leveling within the project site.
Xiv	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant	❖ Various Varieties of trees shall be planted on RG area of 7901.07 sq. m.
xv	Soil and ground water samples will be tested to	**Complied.**

Sr. No.	Stipulated clearance condition	Compliance status
	ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.	❖ The construction process does not involve any activity which may lead to leaching of heavy metals and toxic contaminants. There is no source of ground water on project site. Hence, there is no threat of contamination to sub-soil and ground water. ❖ Soil quality is being monitored. ❖ Please refer **Annexure – 09** for **Soil test reports.**
xvi	Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not Leach into the ground water.	**Agreed to comply with.** ❖ As per consent granted by MPCB, there is no hazardous waste generated during construction.
xvii	Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.	**Agreed to comply with.** ❖ As per consent granted by MPCB, there is no hazardous waste generated during construction.
xviii	The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.	**Agreed to comply with.** ❖ DG set is not being used during construction phase & it will only be used during power failure.
xix	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.** ❖ DG set is not being used during construction phase & it will only be used during power failure.
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.** ❖ Vehicles hired for bringing construction material to site has valid PUC and are being allowed to enter the project site. ❖ Monitoring data conform to applicable air and noise emission standards and will be operated only during non-peak hours. ❖ Please refer **Annexure – 10 for PUC Certificates.**
xxi	Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient	**Agreed to comply with.** ❖ Adequate measures are taken to maintain ambient air and noise quality within the prescribed limits.

Sr. No.	Stipulated clearance condition	Compliance status
	air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/MPCB.	❖ Ambient air and noise level monitoring is being carried out during the construction phase. ❖ Please refer **Annexure – 09** for **Monitoring reports.**
xxii	Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations).	**Complied.** ❖ Pozzalona Portland cement is being used which already contains Fly ash.
xxiii	Ready mixed concrete must be used in building construction.	**Complied.** ❖ Ready mixed concrete is being used on site.
xxiv	Storm water control and its re-use as per CGWB and BIS standards for various applications.	**Agreed to comply with.**
xxv	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	**Agreed to comply with.** ❖ Ready mixed concrete along with fly ash is being used.
xxvi	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.	❖ No source of ground water on project site.
xxvii	The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Discharge of this unused treated 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.	❖ A full-fledged STP of capacity 200 KLD for Wing D will be provided during operation phase, and 450 KLD for Wing A,B & C is installed and it is in operation phase. ❖ Treated sewage will be reuse for flushing, gardening & cooling tower makeup water (part requirement) No discharge of treated sewage.
xxviii	Permission to draw ground water and construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project	❖ No source of ground water on project site.
xxix	Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.	**Complied.** ❖ Dual plumbing system has been provided.
xxx	Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or	**Complied.** ❖ Low flow fixtures have been

Sr. No.	Stipulated clearance condition	Compliance status
	pressure reducing devices or sensor based control.	provided for showers, toilets & in kitchen.
xxxi	Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.	**Agreed to comply with** ❖ Double glazed Glass shall be used only for windows.
xxxii	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.	**Agreed to comply with**
xxxiii	Energy conservation measures like installation of CFLs /TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible like installing solar street lights, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional energy source as source of energy.	**Agreed to comply with** ❖ Use of CFL, T5 Lamps, and Timer based external lightings and all cables de-rated.
xxxiv	Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.	**Agreed to comply with.** ❖ DG sets conform to rules made under Environment (Protection) Act 1986. ❖ CPCB approved D.G. sets with enclosed type and proper stack height will be provided. ❖ DG sets of following capacities will be used for project during power failure. 1) Wing A,B,C- 7x2000 KVA 2) Wing D- 4x2000 KVA. 3) MCGM,Car parking (PPL)- 2x1250KVA
xxxv	Noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.	**Agreed to comply with** ❖ The green belt design along the periphery of the plot will be such that it can attenuate the day and night noise levels to the standard prescribed for residential use by

Sr. No.	Stipulated clearance condition	Compliance status
		MPCB. ❖ Please refer **Annexure – 09** for Noise monitoring reports.
xxxvi	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.	**Agreed to comply with.** ❖ 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.
xxxvii	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspiration for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.	**Agreed to comply with**
xxxviii	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 will be provided between two buildings to allow movement of fresh air and passage of natural light, air and ventilation.
xxxix	Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.	**Complied.** ❖ Regular supervision is being carried out under competent staff.
xl	Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.	**Complied.** ❖ Received **Environmental Clearance** from **SEIAA, Maharashtra** before starting the construction of project. ❖ Please refer **Annexure – 11** for **Environmental clearance** (**EC)** copy.
Xli	Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.	**Complied.** ❖ Submitted six monthly compliance reports regularly since the grant of EC.
Xlii	Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SEIAA meeting, PP to explore possibility of utilizing	**Agreed to comply with**. ❖ A full-fledged STP of capacity 200 KLD for Wing D will be provided during operation phase,

Sr. No.	Stipulated clearance condition	Compliance status
	excess treated water in the adjacent area for gardening before discharging it into sewer line No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained.	and 450 KLD for Wing A,B & C is installed and it is in operation phase. ❖ Treated waste water is being used for flushing, gardening and cooling tower makeup to reduce fresh water demand. ❖ OWC for treatment of 1665 Kg/Day biodegradable garbage will be provided during operation phase. ❖ 833 Kg/Day non-biodegradable garbage shall be handed over to MCGM(Municipal Corporation Greater Mumbai). ❖ Plantation of trees of different species shall be done over an RG area of 7901.07 Sq.mt
xliii	Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises. Local authority should ensure this.	**Agreed to comply with.** ❖ OWC for treatment of 1665 Kg/Day biodegradable waste will be provided during operation phase.
Xliv	Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.	**Agreed to comply with**
Xlv	A complete set of all the documents submitted to Department should be forwarded to the 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.
Xlvi	In the 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.**
Xlvii	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	**Complied.** ❖ A separate environment management cell with qualified staff is appointed for implementation of the stipulated environmental safeguards under competent person.
Xlviii	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with	**Complied.** ❖ Separate funds have been

Sr. No.	Stipulated clearance condition	Compliance status
	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.	allocated for implementation of environmental protection measures; **Environmental Management Plan::** ❖ **During construction phase**: Rs.23.8 Lakhs have been allocated for the entire construction period. ❖ **During operation phase** : Capital cost- 312.11 Lakhs per annum O & M -42.1 Lakhs per annum
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.	**Complied.** ❖ After getting Environmental clearance from SEIAA, Govt. of Maharashtra for the project vide letter no SEAC-2016/ CR-424/TC-1, dated: 03/07/2017 we published public notice in local newspapers. ❖ Please refer **Annexure – 12 for Advertisement copy.**
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.	**Complied.** ❖ Six monthly compliance reports regularly submitted as per the stipulated EC conditions to Regional office ❖ MPCB, Govandi. ❖ MoEF & CC, Nagpur. ❖ Environmental department Mantralaya and ❖ CPCB, Vadodara.
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.	**Agreed to comply with**
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	**Agreed to comply with**

Sr. No.	Stipulated clearance condition	Compliance status
	same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM. SO2, 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.	**Complied.** ❖ Six monthly compliance reports regularly submitted as per the stipulated EC conditions to Regional office ❖ MPCB, Govandi. ❖ MoEF & CC, Nagpur. ❖ Environmental department Mantralaya and CPCB, Vadodara.
lix	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.	**Complied.** ❖ Environmental statement has been submitted to MPCB online portal for the FY 2016-17. ❖ Environmental statement for the FY 2017-18 will be submitted to MPCB online portal after submission of this report (Oct'17-Mar'18)
4.	The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.	**Agreed to comply with**
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.	**Agreed to comply with**
6.	The Environment department reserves the right to add any stringent condition or to revoke the clearance if	**Agreed to comply with**

Sr. No.	Stipulated clearance condition	Compliance status
	conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.	
7.	Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, and amendments by MoEF&CC Notification dated 29th April, 2015.	**Agreed to comply with.** ❖ As per MoEF & CC OM dated 29th April, 2015, validity of Environmental clearance is for 7 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.	**Agreed to comply with.**
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.	**Agreed to comply with.**
10.	Any appeal against this environmental clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune),New Administrative Building, 1stFloor, D-, Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	**Agreed to comply with.**

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		:	**PROPOSED COMMERCIAL DEVELOPMENT** on plot bearing at C.S. No. 612 & 613, Lower Parel Division, Elphinstone Mill, Senapati Bapat Marg,Mumbai – 400013. State- Maharashtra.
3.	Clearance letter (s) / OM No. and Date		:	SEAC 2010/CR.180/TC.2 Dated: 23rd January 2012 ; Amended SEAC-2016/C.R.424/TC-1 dated 3rd July 2017
4.	Location			
	a.	District (S)	:	**Mumbai**
	b.	State (S)	:	**Maharashtra.**
	c.	Latitude/ Longitude	:	18^{0}59'51.67" N Latitude 2^{0}49'13.92" E Longitude
5.	Address for correspondence		:	**Mr. Purav Acharya** **M/s. Indiabulls Real Estate Co. Pvt. Ltd.** 16th floor, Indiabulls, Finance Center Elphinstone Mills Compound 612-613, Senapati Bapat Marg, Mumbai- 400 013.
	a.	Address of Concerned Project Chief Engineer (with pin code & Telephone / telex / fax numbers	:	**Col. S.S. Kadyan (Retd.)** **M/s. Indiabulls Real Estate Co. Pvt. Ltd.** 15th floor, Indiabulls Finance Centre, Elphinstone Mills Compound 612-613, Senapati Bapat Marg, Elphinstone (West), Mumbai- 400 013.
	b.	Address of Executive Project: Engineer/Manager (with pin code/ Fax numbers)	:	**Mr. Amit Ghose** **M/s. Indiabulls Real Estate Co. Pvt. Ltd.** IFC, Tower 2, 2nd floor, 612 & 613, Lower Parel Division, Elphinstone Mill, Senapati Bapat Marg, Elphinstone (West), Mumbai-

				400 013 Email Id: ghose.amit@indiabulls.com Mobile No. 9819274250
6.	Salient features		:	
	a.	of the project	:	Proposed Commercial Development with MCGM car parking facilities
	b.	of the environmental management plans	:	**Construction:** Rs.23.8 Lakhs have been allocated for the entire construction period. **Operation:** Capital cost- 312.11 Lakhs per annum O & M -42.1 Lakhs per annum
7.	Break up of the project area		:	
	a.	submergence area forest & non-forest	:	**Not Applicable.**
	b.	Others	:	**FSI area (sq. m.)**: **1,26,168** **Non FSI area (sq. m.): 2,33,931** **Total BUA area (sq. m.)**: **3,60,099**
8.	Breakup of the project affected Population with enumeration of Those losing houses/dwelling units Only agricultural land only, both Dwelling units & agricultural Land & landless labourers/artisan		:	Not Applicable.
	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.	:	**Rs.589 Crores**
	b.	Allocation made for environ-mental management plans with item wise and year wise Break-up.	:	**Construction:** Rs.23.8 Lakhs have been allocated for the entire construction period. **Operation:** Capital cost- 312.11 Lakhs per annum O & M -42.1 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.275 Crores**
	f.	Actual expenditure incurred on the	:	**Rs. 219.02 Lakhs**

		Environmental Management plans so far.		
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, if any	:	Not Applicable
	d.	Comments on the viability & sustainability of compensatory afforestation program in the light of actual field experience so far	:	Not Applicable
11.	The status of clear felling in Non-forest areas (such as submergence area of reservoir, approach roads), it any with quantitative information		:	Not Applicable
12.	Status of construction		:	**As per 'Part A'**
	a.	Date of commencement (Actual and/or planned)	:	**15th November 2012 (Actual)**
	b.	Date of completion (Actual and/of planned)	:	**March 2019 (Planned)**
13.	Reasons for the delay if the Project is yet to start		:	**Not Applicable**
14	Dates of site visits		:	
	a.	The dates on which the project was monitored by the Regional Office on previous Occasions, if any	:	No site visit till date
	b.	Date of site visit for this monitoring report	:	--
15.	Details of correspondence with Project authorities for obtaining Action plans/information on Status of compliance to safeguards Other than the routine letters for Logistic support for site visits)		:	Not Applicable
16.	(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.)		:	**--**

ULTRA-TECH™

Environmental Consultancy & Laboratory
Lab.Gazetted by MoEF-Govt. of India [Recognized for period 02.06.2016 to 01.06.2021]
Lab. Accredited by NABL - ISO/IEC 17025:2005 [TC-5600,Valid until 27.05.2019 in the field of Testing]
QCI-NABET Accredited EIA Consulting Organization
STP/ETP/WTP Project Management Consultants

ISO 9001 : 2015
OHSAS 18001 : 2007

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@ultreatech.in **Visit us at :** www.ultratech.in

TEST REPORT

ISSUED TO: M/s. INDIA BULLS REAL ESTATE CO PVT LTD.
For Your Site:" **SKY-SUITES**"
C S No. 612-613, Senapati Bapat Marg,
Elphinstone Road, Mumbai – 400 013

REPORT NO. : UT/ELS/REPORT/C-083/03-2018
ISSUE DATE : 30/03/2018
YOUR REF. : 3100100376
REF. DATE : 14/07/2017

SAMPLE PARTICULARS : AMBIENT AIR QUALITY MONITORING

Sampling Plan Ref. No.:	:	C-05/03-2018	**Location Code**	:	01
Sample Registration Date	:	06/03/2018	**Sample Location**	:	Near Gate No. 07 (06 meter off towards west direction)
Date of Sampling	:	05/03/2018			
Time of Sampling	:	10:30 Hrs. to 18:30 Hrs.			
Analysis Starting Date	:	06/03/2018	**Collected By**	:	ULTRA-TECH
Analysis Completion Date	:	08/03/2018	**Height of Sampler**	:	1.0 Meter
Sample Lab Code	:	UT/ELS/C-025/03-2018	**Sampling Duration**	:	08 Hours
Ambient Air Temperature	:	30.2 °C to 35.0 °C	**Relative Humidity**	:	42.1 % to 57.7 %

Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	Sulphur Dioxide (SO_2)	IS 5182 (Part 02) : 2001	19	µg/m³
2.	Oxides of Nitrogen (NO_x)	IS 5182 (Part 06) : 2006	31	µg/m³
3.	Particulate Matter (PM_{10})	EPA/625/R-96/010a Method IO-2.1	84	µg/m³
4.	Particulate Matter ($PM_{2.5}$)	UT/LQMS/SOP/AA05	41	µg/m³
5.	Carbon Monoxide (CO) †	IS 5182 (Part 10): 1999	1.2	mg/m³

†: **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. 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 and Clear throughout monitoring period.

– END OF REPORT –

ULTRA-TECH * Gazetted by MoEF Govt. of India * ENVIRONMENTAL CONSULTANCY & LABORATORY * THANE (W) INDIA

For **ULTRA-TECH,**

D.A.Karnik

Deepa Tamhane-Karnik
(Authorized Signatory)

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STP/ETP/WTP Project Management Consultants

ISO 9001 : 2015
OHSAS 18001 : 2007

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@ultreatech.in **Visit us at :** www.ultratech.in

TEST REPORT

ISSUED TO: M/s. INDIA BULLS REAL ESTATE CO PVT LTD.
For Your Site:" **SKY-SUITES**"
C S No. 612-613, Senapati Bapat Marg,
Elphinstone Road, Mumbai – 400 013

REPORT NO. : UT/ELS/REPORT/C-084/03-2018
ISSUE DATE : 30/03/2018
YOUR REF. : 3100100376
REF. DATE : 14/07/2017

SAMPLE PARTICULARS : AMBIENT AIR QUALITY MONITORING

Sampling Plan Ref. No.:	:	C-05/03-2018	**Location Code**	:	02
Sample Registration Date	:	06/03/2018	**Sample Location**	:	Near Gate No. 06 (05 Meter off towards east direction)
Date of Sampling	:	05/03/2018 to 06/03/2018			
Time of Sampling	:	19:00 Hrs. to 03:00 Hrs.			
Analysis Starting Date	:	06/03/2018	**Collected By**	:	ULTRA-TECH
Analysis Completion Date	:	08/03/2018	**Height of Sampler**	:	1.0 Meter
Sample Lab Code	:	UT/ELS/C-026/03-2018	**Sampling Duration**	:	08 Hours
Ambient Air Temperature	:	28.2 ^{0}C to 32.1 ^{0}C	**Relative Humidity**	:	52.5 % to 71.1 %

Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	Sulphur Dioxide (SO_2)	IS 5182 (Part 02) : 2001	16	µg/m³
2.	Oxides of Nitrogen (NO_x)	IS 5182 (Part 06) : 2006	26	µg/m³
3.	Particulate Matter (PM_{10})	EPA/625/R-96/010a Method IO-2.1	81	µg/m³
4.	Particulate Matter ($PM_{2.5}$)	UT/LQMS/SOP/AA05	49	µg/m³
5.	Carbon Monoxide (CO) †	IS 5182 (Part 10): 1999	1.0	mg/m³

†: Sampling Period 1 Hr.

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

	Instrument Used	Make & Model	Calibration Status
Sampling Equipment Details	Respirable Dust Sampler	Make – Polltech; 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 Clear throughout monitoring period.

– END OF REPORT –

For **ULTRA-TECH,**

D.A.Karnik

Deepa Tamhane-Karnik
(Authorized Signatory)

H.O.: Unit No. 224,225,206, Jai Commercial Complex, Eaxstern Express Highway, Opp. Cadbury Factory, Khopat, Thane (W) 400 601.
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TEST REPORT

ISSUED TO: M/s. INDIA BULLS REAL ESTATE CO PVT LTD.
For Your Site:" **SKY-SUITES**"
C S No. 612-613, Senapati Bapat Marg,
Elphinstone Road, Mumbai – 400 013

REPORT NO. : UT/ELS/REPORT/C-085/03-2018
ISSUE DATE : 30/03/2018
YOUR REF. : 3100100376
REF. DATE : 14/07/2017

SAMPLE PARTICULARS : AMBIENT AIR QUALITY MONITORING

Sampling Plan Ref. No.:	:	C-05/03-2018	**Location Code**	:	03
Sample Registration Date	:	06/03/2018	**Sample Location**	:	Near Eastern Boundary of Project Site (05 meter off towards west direction)
Date of Sampling	:	06/03/2018			
Time of Sampling	:	03:30 Hrs. to 11:30 Hrs.			
Analysis Starting Date	:	06/03/2018	**Collected By**	:	ULTRA-TECH
Analysis Completion Date	:	08/03/2018	**Height of Sampler**	:	1.0 Meter
Sample Lab Code	:	UT/ELS/C-027/03-2018	**Sampling Duration**	:	08 Hours
Ambient Air Temperature	:	30.1 ^{0}C to 34.5 ^{0}C	**Relative Humidity**	:	44.1 % to 52.8 %

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	28	µg/m^3
3.	Particulate Matter (PM_{10})	EPA/625/R-96/010a Method IO-2.1	86	µg/m^3
4.	Particulate Matter ($PM_{2.5}$)	UT/LQMS/SOP/AA05	46	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. 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

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4. Any correction invalidates this test report.
5. Weather was Sunny during day and Clear at night.

– END OF REPORT –

ULTRA-TECH * Gazetted by MoEF Govt. of India * THANE (W) INDIA ENVIRONMENTAL CONSULTANCY & LABORATORY

For **ULTRA-TECH,**

D. A. Karnik

Deepa Tamhane-Karnik
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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), $\mu g/m^3$	Annual*	50	20
		24 Hours**	80	80
02.	Oxides of Nitrogen (NO_X), $\mu g/m^3$	Annual*	40	30
		24 Hours**	80	80
03.	Particulate Matter (PM_{10}), $\mu g/m^3$	Annual*	60	60
		24 Hours**	100	100
04.	Particulate Matter ($PM_{2.5}$), $\mu g/m^3$	Annual*	40	40
		24 Hours**	60	60
05.	Carbon Monoxide (CO), mg/m^3	08 Hours**	02	02
		01 Hours**	04	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 investigations.

Lab :Survey No. 93/A, Conformity Hissa No.2 G V.Brothers Bldg., Bata Compound, Khopat, Near Flower Valley, Thane (West) - 400 601. Maharashtra. India
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TEST REPORT

ISSUED TO: M/s. INDIA BULLS REAL ESTATE CO PVT LTD.
For Your Site:" **SKY-SUITES**"
C S No. 612-613, Senapati Bapat Marg,
Elphinstone Road, Mumbai – 400 013

REPORT NO. : UT/ELS/REPORT/C-086/03-2018
ISSUE DATE : 30/03/2018
YOUR REF. : 3100100376
REF. DATE : 14/07/2017

SAMPLE PARTICULARS :
Sampling Plan Ref. No. : C-05/03-2018
Date of Monitoring : 05/03/2018

NOISE LEVEL QUALITY MONITORING
Sample Lab Code : UT/ELS/C-028/03-2018
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 Gate No. 07	13:30 to 13:35	64.2	00:00 to 00:05	43.1
02.	Near Gate No. 06	13:45 to 13:50	60.2	00:15 to 00:20	44.0
03.	Centre of Project Site	14:00 to 14:05	63.2	00:30 to 00:35	41.5

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 – OPTEL; 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.
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– END OF REPORT –

For **ULTRA-TECH,**

Deepa Tamhane-Karnik
(Authorized Signatory)

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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:
1. Day time shall mean from 6.00 a.m. to 10.00 p.m.
2. Night time shall mean from 10.00 p.m. to 6.00 a.m.
3. 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.
4. 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:
1. No exposure in excess of 140 dB peak sound pressure level is permitted.
2. 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:
1. No exposure in excess of 115 dB(A) is to be permitted.
2. 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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ULTRA-TECH™

Environmental Consultancy & Laboratory
Lab.Gazetted by MoEF-Govt. of India [Recognized for period 02.06.2016 to 01.06.2021]
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TEST REPORT

ISSUED TO: M/s. INDIA BULLS REAL ESTATE CO PVT LTD.
For Your Site:" **SKY-SUITES**"
C S No. 612-613, Senapati Bapat Marg,
Elphinstone Road, Mumbai – 400 013

REPORT NO. : UT/ELS/REPORT/C-087/03-2018
ISSUE DATE : 30/03/2018
YOUR REF. : 3100100376
REF. DATE : 14/07/2017

SAMPLE PARTICULARS :

SOIL QUALITY MONITORING

Sampling Plan Ref. No. : C-05/03-2018
Sample Registration Date : 06/03/2018
Date & Time of Sampling : 05/03/2018 at 12:30 Hrs.
Analysis Starting Date : 06/03/2018
Analysis Completion Date : 14/03/2018
Sample Collected By : ULTRA-TECH
Sample Lab Code : UT/ELS/C-029/03-2018

Sample Type : Surface Soil (at 15cm depth)
Sample Location : Near Gate No. 06
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	5.5	%
3.	Bulk Density	UT/LQMS/SOP/S03	1099	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	8.6	-
7.	Conductivity(1:2soil:Water Extract)	IS:14767- 2000	0.281	mS/cm
8.	Salinity (1:2 soil: Water Extract)*	Calculated in terms of Total Dissolved Solids	174	mg/L
9.	Sodium as Na (Water Extractable)*	UT/LQMS/SOP/S19	132	mg/kg
10.	Magnesium as Mg (Water Extractable)*	UT/LQMS/SOP/S22	71	mg/kg
11.	Chlorides as Cl^- (Water Extractable)*	UT/LQMS/SOP/S23	79	mg/kg
12.	Sulphate as SO_4^{2-} (Water Extractable)*	UT/LQMS/SOP/S24	52	mg/kg
13.	Sodium Adsorption Ratio*	UT/LQMS/SOP/S26	0.3	$(meq/kg)^{1/2}$
14.	Cation Exchange Capacity	USEPA 846 9080	16.9	meq/100g
15.	Water Holding Capacity	ASTM- T7367-07	41.3	%
16.	Available Boron as B (Available)	UT/LQMS/SOP/S27	BDL [DL=0.5]	mg/kg
17.	Phosphorous as P_2O_5 (Available)	UT/LQMS/SOP/S28	75	kg/ha
18.	Potassium as K_2O (Available)	UT/LQMS/SOP/S29	239	kg/ha
19.	Nitrogen as N (Available)	UT/LQMS/SOP/S30	192	Kg/ha
20.	Iron as Fe	USEPA SW846 7380	68529	mg/kg
21.	Zinc as Zn	USEPA SW846 7950	154	mg/kg

BDL= Below detection Limit **DL= Detection Limit**

Opinions / Interpretations: *NIL*

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 not covered under NABL scope.

– END OF REPORT –

For **ULTRA-TECH**
D.A.Karnik
Deepa Tamhane-Karnik
(Authorized Signatory)

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