

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 Information Technology Park and Residential Development at Bharat & Podar Mills at C.S. No. 131, 132 & 1/132, Ganpatrao Kadam Marg, Lower Parel, Worli Naka, Mumbai.

**Ref. No. :** Environmental clearance letter No. SEAC-2010/ CR-772/TC2 dated 24<sup>th</sup> March, 2015 and subsequently amended on 9<sup>th</sup> August 2017 vide letter no SEIAA-EC-0000000165

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-772/TC2 dated 24<sup>th</sup> March, 2015 and subsequently amended on 9<sup>th</sup> August 2017 vide letter no SEIAA-EC-0000000165 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 INFRAESTATE 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 Infraestate Limited**

Corp.off-Indiabulls Finance Centre, 16th Floor, Tower 1, Elphinstone (W), Mumbai - 400 013.  
Regd.office: M - 62 & 63, First Floor, Connaught Place, New Delhi - 110 001.  
CIN: U70102DL2007PLC157384

Date:22.05.2018

To,

Environment Department Government of Maharashtra,  
2<sup>nd</sup> 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 Information Technology Park and Residential Development at Bharat & Podar Mills at C.S. No. 131, 132 & 1/132, Ganpatrao Kadam Marg, Lower Parel, Worli Naka, Mumbai.

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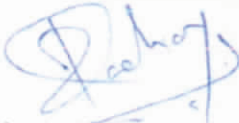
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Regional Office Govandi, Mumbai  
Regional Office, CPCB Vadodara

*Manish*  
1-6-18  
आवक लिपिक  
पर्यावरण विभाग  
मंत्रालय, मुंबई-२२

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Date:22.05.2018

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

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**Part B: Point wise compliance status.**  
**Datasheet**  
**Annexure**

**Copy to Regional Office, MoEF, Nagpur**  
**Department of Environment Mantralaya, Mumbai**  
**Regional Office, CPCB Vadodara**

  
**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 Infraestate Limited**

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Regd.office: M - 62 & 63, First Floor, Connaught Place, New Delhi - 110 001.  
CIN: U70102DL2007PLC157384



Date:22.05.2018

To,

**Central Pollution Control Board**

Parivesh Bhawan, Atmajyoti Ashram Rd,  
Opp.VMC Ward Office No. 10,  
Shubhanpura,  
Vadodara, Gujarat -390023

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**: PART A :**

**Current Status of Work**

Status of construction work		:	<div> <div>Tower A- Tower B- Tower C-</div> <div> </div> </div> RCC Completed, Finishing work is in progress.  Tower D - South side RCC work completed up to 27 <sup>th</sup> floors and North side RCC work completed up to 26 <sup>th</sup> floors.
a.	Date of commencement (Actual and/or planned)	:	15/09/2012 (Actual)
b.	Date of completion (Actual and/or planned)	:	Tower A, B & C : 31/12/2020 (Planned)  Tower D : 30/06/2021 (Planned)

**: PART B :**

**Point wise compliance status to various stipulations laid down by the Ministry in its clearance letter No. SEAC-2010/C.R.772/TC-2, dated : 24<sup>th</sup> March, 2015 and Amendment in Environmental clearance Letter no. SEIAA-EC-0000000165, dated : 9<sup>th</sup> August, 2017 are as follows;**

<b>Sr. No.</b>	<b>Condition</b>	<b>Status</b>
i	E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.	Not Applicable for this project as this is a residential project.
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.	<b>Agreed to comply with.</b>
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	<b>Agreed to comply with.</b>
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.	<b>Agreed to comply with.</b> <ul style="list-style-type: none"> <li>❖ Height of the building will be as per the approved building plan.</li> <li>❖ Please refer <b>Annexure – 1</b> for <b>High Rise Clearance.</b></li> <li>❖ As per DP remarks the project site is in residential zone.</li> <li>❖ Please refer <b>Annexure – 2</b> for <b>DP Remarks.</b></li> <li>❖ <b>Commencement certificate</b> is attached as <b>Annexure – 3.</b></li> <li>❖ <b>Approved Layout Plan</b> is attached as <b>Annexure – 4.</b></li> </ul>
vi	If applicable Consent for Establishment" shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site.	<ul style="list-style-type: none"> <li>❖ MPCB granted consent to establish vide order no. Format BO/RO(HQ)/CE/CAC.587, dated : 06/09/2012.</li> <li>❖ Revalidated consent to establish vide order no. Format 1.0/BO/CAC-</li> </ul>



Sr. No.	Condition	Status
		Cell/UAN no. 0000033035/ Revalidation of CE/CAC-1803000693, dated: 14/03/2018. <b>❖ Please refer Annexure – 5 for Consent to Establish.</b>
vii	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	<b>Agreed to comply with.</b>  <b>❖</b> About 750 nos of residential & 350 nos of non-residential workers are working on project site. <b>❖</b> Total 290 nos of hutments are provided on site during construction. <b>❖</b> Proper housekeeping & regular pest control have been carried out throughout construction. <b>❖</b> First Aid and medical facilities have been provided during construction. <b>❖</b> Site sanitation like safe & adequate Municipal water for drinking purpose and tanker water for domestic purpose, toilets, bathrooms and periodical medical checkup facilities have been provided. <b>❖</b> Please refer <b>Annexure – 6 for Health Screening Reports.</b> <b>❖</b> Waste generated from toilets and bathrooms is being disposed off to connected sewer line. <b>❖</b> Please refer <b>Annexure – 7 for Sewerage NOC.</b>
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.	<b>Agreed to comply with.</b>  <b>❖</b> Site sanitation like safe & adequate Municipal water for drinking & domestic purpose, 50 nos of toilets, 80 nos of bathrooms provided at site and periodical medical checkup facilities have been provided <b>❖</b> Please refer <b>Annexure – 6 for Health Screening reports of workers.</b> <b>❖</b> Waste generated from toilets and bathrooms is being disposed off to connected sewer line. <b>❖</b> Please refer <b>Annexure – 7 for Sewerage NOC.</b>

Sr. No.	Condition	Status
		<ul style="list-style-type: none"> <li>❖ Provision is made for a temporary room within the project site for collection, segregation and storage of biodegradable &amp; non-biodegradable waste.</li> <li>❖ Solid waste is handed over to local solid waste management facility for further treatment on daily basis.</li> </ul>
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.	<b>Agreed to comply with.</b> <ul style="list-style-type: none"> <li>❖ Provision is made for a temporary room within the project site for collection, segregation and storage of biodegradable &amp; non-biodegradable waste.</li> <li>❖ Solid waste is handed over to local solid waste management facility for further treatment on daily basis.</li> </ul>
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.	<b>Complied.</b> <ul style="list-style-type: none"> <li>❖ 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.</li> </ul>
xi	Arrangement shall be made that waste water and storm water do not get mixed.	<b>Agreed to comply with.</b> <ul style="list-style-type: none"> <li>❖ Provisions are made for storm water collection through the storm water drains of adequate capacity will be discharged into the municipal SWD.</li> </ul>
xii	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.	<ul style="list-style-type: none"> <li>❖ Top soil is used in landscape development.</li> </ul>
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.	<ul style="list-style-type: none"> <li>❖ Excavated soil is partly used for backfilling and leveling within the project site.</li> </ul>
xiv	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant	<ul style="list-style-type: none"> <li>❖ Various varieties of trees shall be planted on RG area of 9636 Sq. meters.</li> </ul>
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.	<b>Complied.</b> <ul style="list-style-type: none"> <li>❖ The construction process does not involve any activity which may lead to</li> </ul>

Sr. No.	Condition	Status
		<p>leaching of heavy metals and toxic contaminants.</p> <ul style="list-style-type: none"> <li>❖ Ground water table was not encountered as per geotechnical report. However, seasonal and annual fluctuations in ground water levels can be expected to occur, quality and levels of which will be monitored at project site through proposed recharge pits (construction of which are under progress) and the reports of the same will be submitted accordingly.</li> <li>❖ There is no source of ground water on project site. Hence, there is no threat of contamination to sub-soil and ground water.</li> <li>❖ Soil quality is being monitored.</li> <li>❖ Please refer <b>Annexure – 8</b> for <b>Soil test reports</b>.</li> </ul>
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.	No hazardous waste generation during construction phase.
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.	No hazardous waste generation during construction phase.
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.	No DG set is being used for construction purpose.
xix	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.	No DG set is being used for construction purpose.
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.	<p><b>Complied.</b></p> <ul style="list-style-type: none"> <li>❖ 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.</li> </ul>



Sr. No.	Condition	Status
		<ul style="list-style-type: none"> <li>❖ Please refer <b>Annexure – 9</b> for <b>PUC certificates</b>.</li> <li>❖ Air quality levels and Noise levels is to be within prescribe standards.</li> <li>❖ Please refer <b>Annexure – 8</b> for Monitoring reports.</li> </ul>
xxi	Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/MPCB.	<b>Complied.</b> <ul style="list-style-type: none"> <li>❖ During construction adequate measures are taken to maintain ambient air and noise quality within the prescribed limits.</li> <li>❖ Ambient air and Noise levels monitoring is being carried out during the construction phase.</li> <li>❖ Please refer <b>Annexure – 8</b> for Monitoring reports.</li> </ul>
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).	<b>Complied</b> Fly ash along with cement, metals & River Cruss and sand are being used.
xxiii	Ready mixed concrete must be used in building construction.	<b>Complied.</b> Ready mixed concrete is used in building construction.
xxiv	Storm water control and its re-use as per CGWB and BIS standards for various applications.	<b>Agreed to comply with.</b>
xxv	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.
xxvi	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.	<ul style="list-style-type: none"> <li>❖ Ground water table was not encountered as per geotechnical report. However, seasonal and annual fluctuations in ground water levels can be expected to occur, quality and levels of which will be monitored at project site through proposed recharge pits (construction of which are under progress) and the reports of the same will be submitted accordingly.</li> </ul>
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	<b>Agreed to comply with.</b> 2 nos of STP will be proposed on the project site. 1) STP of capacity 200 KLD will be installed for Tower A and Tower B.

Sr. No.	Condition	Status
	for operation. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.	2) STP of capacity 125 KLD will be installed for Tower C and Tower D.  ❖ Treated sewage will be reused for flushing & gardening.
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	❖ Ground water extraction is not proposed for construction and operation phase, Hence permission from CGWA is not required.  ❖ Tanker water is being used for construction work.
xxix	Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.	<b>Agreed to comply with.</b> Dual plumbing system will be provided for buildings for using the treated wastewater for flushing and gardening.
xxx	Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.	<b>Agreed to comply with.</b> Low flow fixtures will be used for toilets, drinking water and showers.
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.	<b>Agreed to comply with.</b>  Glass is 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.	<b>Agreed to comply with.</b>
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	<b>Agreed to comply with.</b>  ❖ Use of energy efficient, BEE labeled electrical fixtures. Use of T5 tubes having 2.5 to 3 times life over conventional tubes and hence rate of disposal of tubes will be reduced drastically.  ❖ Energy efficient fluorescent tube lights & Light Emitting Diode (LED) lamps which give approx. 30% more light output for the same watts consumed and therefore require less nos. of fixtures.

Sr. No.	Condition	Status
	energy source as source of energy.	❖ Solar Electrical Power + LED lighting is complimentary in Residential as in day time, it is used effectively in night time in Common areas like staircase, area lighting.
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.	<b>Agreed to comply with.</b>  ❖ DG sets conform to rules made under Environment (Protection) Act 1986. ❖ Use of low sulfur DG sets with inbuilt storage with proper stack height is proposed for use in case of emergency in operation phase. ❖ 3 nos of DG Sets having capacity 1000 kVA each have been installed for use during power failure.
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.	<b>Agreed to comply with.</b>  ❖ 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 MPCB. ❖ Please refer <b>Annexure – 8</b> 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.	<b>Agreed to comply with.</b>  ❖ 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.	<b>Agreed to comply with</b>
xxxvii i	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	<b>Agreed to comply with.</b> ❖ Adequate distance will be provided between two buildings to allow movement of fresh air and passage of natural light, air and ventilation.



Sr. No.	Condition	Status
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.	<b>Agreed to comply with.</b> Regular supervision of the above measures is being monitored by competent person.
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.	<b>Complied.</b> ❖ Obtained <b>Environmental clearance</b> from <b>SEIAA, Maharashtra</b> before starting the construction of project. ❖ Please refer <b>Annexure – 10</b> for <b>Environmental clearance (EC)</b> .
Xli	Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.	<b>Complying with.</b> Six monthly monitoring reports are being submitted.
Xlii	Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SEIAA meeting, PP to explore possibility of utilizing excess treated water in the adjacent area for gardening before discharging it into sewer line No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained.	<b>Agreed to comply with.</b> ❖ STP of capacity 200 KLD will be installed for Tower A and Tower B. ❖ STP of capacity 125 KLD will be installed for Tower C and Tower D. ❖ OWC for treatment of 500 Kgs/day to treat biodegradable waste will be provided for Tower A, B & C and 250 Kgs/day to treat biodegradable waste will be provided for Tower D. ❖ 583 Kgs/day non-biodegradable wastes shall be handed over to MCGM on daily basis. ❖ RG are shall be developed over an area of 9636 Sq. meters.
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.	<b>Agreed to comply with.</b> ❖ OWC for treatment of 500 Kgs/day to treat biodegradable waste will be provided for Tower A, B & C and 250 Kgs/day to treat biodegradable waste will be provided for Tower D. ❖ Further dried compost will be used as manure for gardening.
Xliv	Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.	<b>Agreed to comply with.</b>
Xlv	A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.	<b>Complied.</b> ❖ A complete set of all the documents have been submitted to MPCB along with the application of consent to application.

Sr. No.	Condition	Status
Xlvi	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.	<b>Noted.</b>
Xlvii	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	<b>Complied.</b>  ❖ 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 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.	<b>Complying with.</b>  ❖ Rs. 353.04 Lakhs has been spent on environmental protection measures. ❖ Capital cost : Rs. 871 Lakhs ❖ O & M cost : Rs. 165.4 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 <a href="http://ec.maharashtra.gov.in">http://ec.maharashtra.gov.in</a> .	<b>Complied.</b>  ❖ After getting Environmental clearance from SEIAA, Maharashtra, we published public notice in local newspapers. ❖ Please refer <b>Annexure – 11</b> for <b>Advertisement copy</b> .
1	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1 <sup>st</sup> June & 1st December of each calendar year.	<b>Agreed to comply with.</b>  ❖ Submitting six monthly report on the status of the compliance of 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.	<b>Agreed to comply with.</b>

Sr. No.	Condition	Status
lii	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM. SO <sub>2</sub> , NO <sub>x</sub> (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.	<b>Agreed to comply with.</b>
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.	<b>Agreed to comply with.</b> <ul style="list-style-type: none"> <li>❖ Submitting six monthly report on the status of the compliance of the stipulated EC conditions to Regional office</li> <li>❖ MPCB, Govandi.</li> <li>❖ MoEF &amp; CC, Nagpur.</li> <li>❖ Environmental department Mantralaya and CPCB, Vadodara.</li> </ul>
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.	<b>Complied.</b> <ul style="list-style-type: none"> <li>❖ Environmental statement has been submitted to MPCB online portal for the FY 2016-17.</li> <li>❖ Environmental statement for the FY 2017-18 will be submitted to MPCB online portal after submission of this report (Oct'17-Mar'18)</li> </ul>
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.	<b>Agreed to Comply with.</b>



<b>Sr. No.</b>	<b>Condition</b>	<b>Status</b>
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.	<b>Agreed to Comply with.</b>
6.	The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.	<b>Agreed to Comply with.</b>
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.	The environmental clearance accorded is valid for 7 years as per MoEF & CC Notification dated 29 <sup>th</sup> April, 2015.
8.	In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.	<b>Agreed to comply with.</b>
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.	<b>Agreed to comply with.</b>
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.	<b>Agreed to comply with.</b>

**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	:	Indiabulls Intrastate Ltd. Proposed Residential Development Project at Bharat & Poddar Mills at Lower Parel, Worli, Mumbai.	
3.	Clearance letter ( s ) / OM No. and Date	:	SEAC-2010/CR-772/TC-2, dated : 24 <sup>th</sup> March, 2017 and subsequently amended on dated : 9 <sup>th</sup> August, 2017.	
4.	Location			
	a.	District (s)	:	Mumbai.
	b.	State (s)	:	Maharashtra.
	c.	Latitude/ Longitude	:	Latitude : 18° 59'51.67" N Longitude : 2°49'13.92" E
5.	Address for correspondence		:	<b>Mr. Purav Acharya</b> <b>Indiabulls Intrastate Ltd.</b> 16 <sup>th</sup> 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	:	<b>Col. S.S. Kadyan (Retd.)</b> <b>Indiabulls Intrastate Ltd.</b> 16 <sup>th</sup> floor, Indiabulls, Finance Center Elphinstone Mills compound, 612-613, Senapati Bapat Marg, Mumbai - 400 013.
	b.	Address of Executive Project: Engineer/Manager ( with pin code/ Fax numbers )	:	<b>Mr. Manish Wakade</b> <b>Indiabulls Intrastate Ltd.</b> 16 <sup>th</sup> floor, Indiabulls, Finance Center Elphinstone Mills compound, 612-613, Senapati Bapat Marg, Mumbai - 400 013. Email id: <a href="mailto:manish.wakade@indiabulls.com">manish.wakade@indiabulls.com</a> Mobile No. 9819274250
6.	Salient features			
	a.	of the project	:	Tower A- 46 floors Tower B- 50 floors. Tower C- 55 floors Tower D- 32 floors

	b.	of the environmental management plans	:	<b>Construction:</b> Rs.127 Lakhs have been allocated for the entire construction period. <b>Operation:</b> Capital cost- 871 Lakhs per annum O & M -165.4 Lakhs per annum
7.	Breakup of the project area			
	a.	submergence area forest & non-forest	:	Not Applicable.
	b.	Others	:	FSI area : 85,463 Sq. meter Non-FSI area : 1,17,249 Sq. meter Total BUA area : 2,02,712 Sq. meter
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.	:	<b>Rs. 1197 Crores</b>
	b.	Allocation made for environ-mental management plans with item wise and year wise Break-up.	:	<b>During construction phase :</b> Rs.127 Lakhs have been allocated for the entire construction period. <b>During operation phase :</b> Capital cost Rs. 871 Lakhs per annum. O & M cost Rs. 165.4 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.	:	Yes
	e.	Actual expenditure incurred on the project so far	:	<b>Rs.585 Crores</b>
	f.	Actual expenditure incurred on the Environmental Management plans so far.	:	<b>Rs. 353.04 Lakhs.</b>

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		: Tower A- Tower B- RCC Completed, Finishing work is in progress. Tower C-  Tower D - South side RCC work completed up to 27 <sup>th</sup> floors and North side RCC work completed up to 26 <sup>th</sup> floors.
	a.	Date of commencement ( Actual and/or planned )	: 15/09/2012 (Actual)
	b.	Date of completion ( Actual and/of planned )	: Tower A, B & C : 31/12/2020 (Planned) Tower D : 30/06/2021 (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	: 19/03/2018
	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. INDIABULLS INFRAESTATE LTD.

For Your Site : "I.T Park & Residential Development of Bharat & Poddar Mills"  
CS No131,132 & 1/132 of Lower Parel Division, Ganpatrao Kadam Marg,  
Worli Naka, G/South Ward Mumbai.

REPORT NO. : UT/ELS/REPORT/C-088/03-2018

ISSUE DATE : 30/03/2018

YOUR REF. : 3317001942

REF. DATE : 13/07/2017

### SAMPLE PARTICULARS :

Sampling Plan Ref. No.: : C-06/03-2018  
Sample Registration Date : 06/03/2018  
Date of Sampling : 05/03/2018  
Time of Sampling : 13:00 Hrs. to 21:00 Hrs.  
Analysis Starting Date : 07/03/2018  
Analysis Completion Date : 09/03/2018  
Sample Lab Code : UT/ELS/C-030/03-2018  
Ambient Air Temperature : 29.5 °C to 35.2 °C

### AMBIENT AIR QUALITY MONITORING

Location Code : 01  
Sample Location : Near Main Gate  
(08 meter off towards east direction)  
Collected By : ULTRA-TECH  
Height of Sampler : 1.0 Meter  
Sampling Duration : 08 Hours  
Relative Humidity : 44.7 % to 68.2 %

Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part 02) : 2001	14	µg/m <sup>3</sup>
2.	Oxides of Nitrogen (NO <sub>x</sub> )	IS 5182 (Part 06) : 2006	32	µg/m <sup>3</sup>
3.	Particulate Matter (PM <sub>10</sub> )	EPA/625/R-96/010a Method IO-2.1	89	µg/m <sup>3</sup>
4.	Particulate Matter (PM <sub>2.5</sub> )	UT/LQMS/SOP/AA05	51	µg/m <sup>3</sup>
5.	Carbon Monoxide (CO) †	IS 5182 (Part 10) : 1999	1.2	mg/m <sup>3</sup>

†: 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

- te:
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 during day & clear at night.

- 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  
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## TEST REPORT

**ISSUED TO:** M/s. INDIABULLS INFRAESTATE LTD.

For Your Site : "I.T Park &amp; Residential Development of Bharat &amp; Poddar Mills"

CS No131,132 &amp; 1/132 of Lower Parel Division, Ganpatrao Kadam Marg,

Worli Naka, G/South Ward Mumbai.

**REPORT NO.** : UT/ELS/REPORT/C-089/03-2018**ISSUE DATE** : 30/03/2018**YOUR REF.** : 3317001942**REF. DATE** : 13/07/2017**SAMPLE PARTICULARS :**

**Sampling Plan Ref. No.:** : C-06/03-2018  
**Sample Registration Date** : 06/03/2018  
**Date of Sampling** : 05/03/2018 to 06/03/2018  
**Time of Sampling** : 21:30 Hrs. to 05:30 Hrs.  
**Analysis Starting Date** : 07/03/2018  
**Analysis Completion Date** : 09/03/2018  
**Sample Lab Code** : UT/ELS/C-031/03-2018  
**Ambient Air Temperature** : 28.2 °C to 32.1 °C

**AMBIENT AIR QUALITY MONITORING**

**Location Code** : 02  
**Sample Location** : Near Gate No. 02  
(05 Meter off towards north direction)  
**Collected By** : ULTRA-TECH  
**Height of Sampler** : 1.0 Meter  
**Sampling Duration** : 08 Hours  
**Relative Humidity** : 55.2 % to 72.9 %

Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part 02) : 2001	15	µg/m <sup>3</sup>
2.	Oxides of Nitrogen (NO <sub>x</sub> )	IS 5182 (Part 06) : 2006	28	µg/m <sup>3</sup>
3.	Particulate Matter (PM <sub>10</sub> )	EPA/625/R-96/010a Method IO-2.1	72	µg/m <sup>3</sup>
4.	Particulate Matter (PM <sub>2.5</sub> )	UT/LQMS/SOP/AA05	45	µg/m <sup>3</sup>
5.	Carbon Monoxide (CO) †	IS 5182 (Part 10): 1999	1.2	mg/m <sup>3</sup>

†: 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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  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)

**Laboratory :** G. V. Brothers Building, Bata Compound, Khopat, Near Flower Valley, Thane (West) - 400 601, Maharashtra, India  
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## TEST REPORT

**ISSUED TO:** M/s. INDIABULLS INFRAESTATE LTD.

For Your Site : "I.T Park & Residential Development of Bharat & Poddar Mills"

CS No131,132 & 1/132 of Lower Parel Division, Ganpatrao Kadam Marg,

Worli Naka, G/South Ward Mumbai.

**REPORT NO. :** UT/ELS/REPORT/C-090/03-2018

**ISSUE DATE :** 30/03/2018

**YOUR REF. :** 3317001942

**REF. DATE :** 13/07/2017

### SAMPLE PARTICULARS :

**Sampling Plan Ref. No.:** : C-06/03-2018  
**Sample Registration Date** : 06/03/2018  
**Date of Sampling** : 06/03/2018  
**Time of Sampling** : 06:00 Hrs. to 14:00 Hrs.  
**Analysis Starting Date** : 07/03/2018  
**Analysis Completion Date** : 09/03/2018  
**Sample Lab Code** : UT/ELS/C-032/03-2018  
**Ambient Air Temperature** : 30.9 °C to 34.1 °C

### AMBIENT AIR QUALITY MONITORING

**Location Code** : 03  
**Sample Location** : South Side From Tower  
(05 meter off from tower)  
**Collected By** : ULTRA-TECH  
**Height of Sampler** : 1.0 Meter  
**Sampling Duration** : 08 Hours  
**Relative Humidity** : 48.7 % to 61.7 %

Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part 02) : 2001	13	µg/m <sup>3</sup>
2.	Oxides of Nitrogen (NO <sub>x</sub> )	IS 5182 (Part 06) : 2006	30	µg/m <sup>3</sup>
3.	Particulate Matter (PM <sub>10</sub> )	EPA/625/R-96/010a Method IO-2.1	80	µg/m <sup>3</sup>
4.	Particulate Matter (PM <sub>2.5</sub> )	UT/LQMS/SOP/AA05	48	µg/m <sup>3</sup>
5.	Carbon Monoxide (CO) †	IS 5182 (Part 10): 1999	1.0	mg/m <sup>3</sup>

†: 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 during day and Clear at night.

**- END OF REPORT -**



For ULTRA-TECH,

*Deepa Tamhane-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 <sub>2</sub> ), µg/m <sup>3</sup>	Annual*	50	20
		24 Hours**	80	80
02.	Oxides of Nitrogen (NO <sub>x</sub> ), µg/m <sup>3</sup>	Annual*	40	30
		24 Hours**	80	80
03.	Particulate Matter (PM <sub>10</sub> ), µg/m <sup>3</sup>	Annual*	60	60
		24 Hours**	100	100
04.	Particulate Matter (PM <sub>2.5</sub> ), µg/m <sup>3</sup>	Annual*	40	40
		24 Hours**	60	60
05.	Carbon Monoxide (CO), mg/m <sup>3</sup>	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.



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## TEST REPORT

**ISSUED TO:** M/s. INDIABULLS INFRAESTATE LTD.

For Your Site : "I.T Park & Residential Development of Bharat & Poddar Mills"

CS No131,132 & 1/132 of Lower Parel Division, Ganpatrao Kadam Marg,

Worli Naka, G/South Ward Mumbai.

**REPORT NO. :** UT/ELS/REPORT/C-091/03-2018

**ISSUE DATE :** 30/03/2018

**YOUR REF. :** 3317001942

**REF. DATE :** 13/07/2017

### SAMPLE PARTICULARS :

**Sampling Plan Ref. No. :** C-06/03-2018

**Date of Monitoring :** 05/03/2018

### NOISE LEVEL QUALITY MONITORING

**Sample Lab Code :** UT/ELS/C-033/03-2018

**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	16:30 to 16:35	66.8	02:00 to 02:05	44.2
02.	Near Gate No. 02	16:45 to 16:50	62.7	02:15 to 02:20	44.7
03.	South Side from Project Site	17:00 to 17:05	64.1	02:30 to 02:35	42.1
04.	West Side from Project Site	17:15 to 17:20	65.8	02:45 to 02:50	43.8

**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 - 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.  
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:
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**

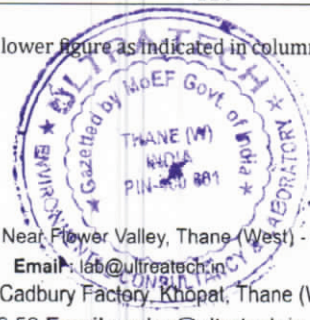
(The Model Rules Of The Factories Act, 1948)

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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## TEST REPORT

ISSUED TO: M/s. INDIABULLS INFRAESTATE LTD.

For Your Site : "I.T Park & Residential Development of Bharat & Poddar Mills"

CS No131,132 & 1/132 of Lower Parel Division, Ganpatrao Kadam Marg,

Worli Naka, G/South Ward Mumbai.

REPORT NO. : UT/ELS/REPORT/C-092/03-2018

ISSUE DATE : 30/03/2018

YOUR REF. : 3317001942

REF. DATE : 13/07/2017

### SAMPLE PARTICULARS

Sampling Plan Ref. No. : C-06/03-2018  
Sample Registration Date : 06/03/2018  
Date & Time of Sampling : 06/03/2018 at 15:00 Hrs.  
Analysis Starting Date : 07/03/2018  
Analysis Completion Date : 15/03/2018  
Sample Collected By : ULTRA-TECH  
Sample Lab Code : UT/ELS/C-034/03-2018

### SOIL QUALITY MONITORING

Sample Type : Surface Soil (at 15cm depth)  
Sample Location : At Project Site  
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	2.6	%
3.	Bulk Density	UT/LQMS/SOP/S03	1007	kg/m <sup>3</sup>
4.	Organic Matter	IS:2720 (Part 22) : 1972	1.3	%
5.	Total Organic Carbon	IS:2720 (Part 22) : 1972	0.7	%
6.	pH	IS:2720 (Part 26) : 1987	7.3	-
7.	Conductivity(1:2soil:Water Extract)	IS:14767- 2000	0.449	mS/cm
8.	Salinity (1:2 soil: Water Extract)*	Calculated in terms of Total Dissolved Solids	278	mg/L
9.	Sodium as Na (Water Extractable)*	UT/LQMS/SOP/S19	71	mg/kg
10.	Magnesium as Mg (Water Extractable)*	UT/LQMS/SOP/S22	30	mg/kg
11.	Chlorides as Cl <sup>-</sup> (Water Extractable)*	UT/LQMS/SOP/S23	87	mg/kg
12.	Sulphate as SO <sub>4</sub> <sup>2-</sup> (Water Extractable)*	UT/LQMS/SOP/S24	121	mg/kg
13.	Sodium Adsorption Ratio*	UT/LQMS/SOP/S26	1.5	(meq/kg) <sup>1/2</sup>
14.	Cation Exchange Capacity	USEPA 846 9080	15.1	meq/100g
15.	Water Holding Capacity	ASTM- T7367-07	51.2	%
16.	Available Boron as B (Available)	UT/LQMS/SOP/S27	BDL [DL=0.5]	mg/kg
17.	Phosphorous as P <sub>2</sub> O <sub>5</sub> (Available)	UT/LQMS/SOP/S28	212	kg/ha
18.	Potassium as K <sub>2</sub> O (Available)	UT/LQMS/SOP/S29	679	kg/ha
19.	Nitrogen as N (Available)	UT/LQMS/SOP/S30	334	Kg/ha
20.	Iron as Fe	USEPA SW846 7380	69521	mg/kg
21.	Zinc as Zn	USEPA SW846 7950	147	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)