

# Indiabulls Properties 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 monthly Compliance Submission as per Terms & Conditions stipulated in Environmental Clearance letter for proposed 'Construction project '841 India Bulls (Jupiter Mills)', at C.S No. 841 of Lower Parel Division (G-South Ward), Senapati Bapat Marg, Mumbai.
- Ref. No. : Environmental clearance letter No. SEAC 2013/CR.490/TC.2, dated 23<sup>rd</sup> January, 2012 and subsequently amended and modified on 11<sup>th</sup> December 2015 vide letter No. SEAC-2010/C.R.198/TC.2

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 2013/CR.490/TC.2, dated 23<sup>rd</sup> January, 2012 and subsequently amended and modified on 11<sup>th</sup> December 2015 vide letter No. SEAC-2010/C.R.198/TC.2 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 PROPERTIES 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



Track on [www.indiapost.gov.in](http://www.indiapost.gov.in) <Track on>  
<Track on> <Track on>

EM122554256IN IVR:6977122554256  
SP JEKEGRAM S.O <400606>  
Counter No:4,02/06/2018,12:28  
To:MINISTRY OF E,  
PIN:440001, Nagpur GPO  
From:ULTRA TECH,  
Wt:370gms  
Amt:70.80(Cash)Tax:10.80



# Indiabulls Properties Private Limited

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 monthly Compliance Submission as per Terms & Conditions stipulated in Environmental Clearance letter for proposed Construction project '841 India Bulls (Jupiter Mills)', at C.S No. 841 of Lower Parel Division (G-South Ward), Senapati Bapat Marg, Mumbai.

**Ref. No. :** Environmental clearance letter No. SEAC 2013/CR.490/TC.2, dated 23<sup>rd</sup> January, 2012 and subsequently amended and modified on 11<sup>th</sup> December 2015 vide letter No. SEAC-2010/C.R.198/TC.2

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


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

  
04/06/2018  
आवरक विधिक  
पर्यावरण विभाग  
मंत्रालय, मुंबई-४०००३२

# Indiabulls Properties 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 monthly Compliance Submission as per Terms & Conditions stipulated in Environmental Clearance letter for proposed Construction project '841 India Bulls (Jupiter Mills)', at C.S No. 841 of Lower Parel Division (G-South Ward), Senapati Bapat Marg, Mumbai.

Ref. No. : Environmental clearance letter No. SEAC 2013/CR.490/TC.2, dated 23<sup>rd</sup> January, 2012 and subsequently amended and modified on 11<sup>th</sup> December 2015 vide letter No. SEAC-2010/C.R.198/TC.2

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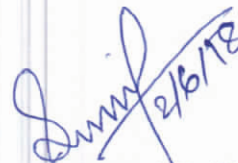


Authorized Signatory



Encl : Part A: Current Status of Construction Work.  
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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 Properties 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 monthly Compliance Submission as per Terms & Conditions stipulated in Environmental Clearance letter for proposed Construction project '841 India Bulls (Jupitor Mills)', at C.S No. 841 of Lower Parel Division (G-South Ward), Senapati Bapat Marg, Mumbai.

Ref. No. : Environmental clearance letter No. SEAC 2013/CR.490/TC.2, dated 23<sup>rd</sup> January, 2012 and subsequently amended and modified on 11<sup>th</sup> December 2015 vide letter No. SEAC-2010/C.R.198/TC.2

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For, **M/s. INDIABULLS PROPERTIES PVT. LTD.**



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Copy to Regional Office, MoEF, Nagpur  
Regional Office, MPCB, Govandi, Mumbai  
Department of Environment, Mantralaya, Mumbai

<Dial 1800 266 6868>

भारतीय डाक

India Post

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**: PART A :**

**Current Status of Work**

Status of construction work	:	<ul style="list-style-type: none"><li>Residential 1 Building with 2 wings : 46<sup>th</sup> floor RCC completed.</li><li>IT Park with 2 Buildings : Work completed. (Obtained Part occupation certificate attached as <b>Annexure - 1)</b></li></ul>
a.	Date of commencement (Actual and/or planned)	: 15/11/2012 (Actual)
b.	Date of completion (Actual and/or planned)	: 30/09/2022 (Planned)

**: PART B :**

**Point wise compliance status to various stipulations laid down by the Ministry in its Environmental Clearance letter No. SEAC.2010/CR.284/TC2, dated : 23<sup>rd</sup> January, 2012 and amended in Environmental clearance letter no. SEAC.2010/CR.198/TC2, dated : 11<sup>th</sup> December, 2015 are as follows;**

<b>Sr. No.</b>	<b>Stipulated clearance condition</b>	<b>Compliance status</b>
i.	This environmental clearance is issued subject to the project proponent restricting the total construction up to 4,45,000 sq. m.	<b>Complied.</b> <ul style="list-style-type: none"> <li>❖ We have obtained amended Environmental vide letter no. SEAC 2010/CR.198/TC-2, dated : 11<sup>th</sup> December, 2015 for revised built-up area.</li> <li>❖ Please refer <b>Annexure – 2</b> for <b>EC copy</b>.</li> </ul>
ii.	This environmental clearance is only for building upto 170.33 m height. Local authority should ensure this.	<b>Complied.</b> <ul style="list-style-type: none"> <li>❖ We have obtained revised civil aviation NOC for height clearance.</li> <li>❖ Please refer <b>Annexure – 3</b> for <b>Civil Revised Aviation NOC</b>.</li> </ul>
iii.	The proposed height of the building requires NOC from Ministry of Civil Aviation for increased height. If there is any change in the plans suggested by Ministry of Civil Aviation, Project proponent should approach SEIAA with corrected building plans.	<b>Complied.</b> <p>All necessary permissions have been obtained from the competent authorities;</p> <ul style="list-style-type: none"> <li>❖ Obtained Civil aviation NOC from Airport Authority of India vide letter no. BT-1/NOCC/CS/MUM/10/449/1020/1716-19, dated : 22/05/2015.</li> <li>❖ Please refer <b>Annexure – 3</b> for <b>Revised Civil Aviation NOC</b>.</li> <li>❖ Obtained HRC NOC from MCGM, Mumbai vide letter no. CHE/HRB-282/DPWS, dated : 09/07/2012.</li> <li>❖ Pleases Refer <b>Annexure – 4</b> for <b>High Rise Clearance NOC</b>.</li> </ul>
iv.	This Environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this. This environmental clearance issued with respect to the environmental consideration and it does not mean that State Level Impact assessment Authority (SEIAA) approved the proposed land use.	<b>Complied.</b> <p>All necessary permissions have been obtained from the competent authorities;</p> <ul style="list-style-type: none"> <li>❖ Obtained Environmental clearance from SEIAA, Govt. of Maharashtra vide letter no. SEAC.2010/CR.284/TC-2, dated : 23<sup>rd</sup> January, 2012.</li> </ul>



		<ul style="list-style-type: none"> <li>❖ Amended in Environmental clearance vide letter no. SEAC.2010/CR.198/TC-2, dated : 11<sup>th</sup> December, 2015.</li> <li>❖ Please refer <b>Annexure – 2</b> for <b>EC copies.</b></li> <li>❖ Obtained <b>Commencement certificate</b> from MCGM vide letter no. EB/1258/GS/A, dated : 01/11/2017.</li> <li>❖ Please refer <b>Annexure – 5 for CC.</b></li> <li>❖ Obtained <b>Fire NOC</b> from CFO, <b>MCGM</b> and attached as <b>Annexure – 6.</b></li> </ul>
v.	Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained.	<p><b>Agreed to comply with.</b></p> <ul style="list-style-type: none"> <li>❖ STP of capacity 300 KLD for Residential building will be provided and 500 KLD for IT Park is installed.</li> <li>❖ OWC for treatment of biodegradable waste will be provided and Non-biodegradable waste have been sorted into recycled and non-recycled waste and handed over to MCGM on daily basis.</li> <li>❖ RG area shall be developed over an area of 9772.48 Sq. meters.</li> </ul>
vi.	Local body should ensure that no occupation certificate will be issued prior to operation of STP/MSW site with due permission of MPCB, Physical possession should be given only after completion of environmental & other infrastructure for which development charges are being collected by local body.	<p><b>Agreed to comply with.</b></p> <ul style="list-style-type: none"> <li>❖ STP of capacity 300 KLD for Residential building will be provided and 500 KLD for IT Park is installed.</li> </ul>
vii.	The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. ULB should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.	<p><b>Agreed to comply with.</b></p> <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 – 7 for Approved Layout plan.</b></li> <li>❖ Project site is in residential zone as per DP remarks.</li> <li>❖ Please refer <b>Annexure – 8 for DP Remarks.</b></li> </ul>
viii.	“Consent for Establishment “shall be obtained from Maharashtra Pollution Control Board under the Air and Water Act and a copy of the same shall be submitted to the Environment Department before start of any construction work at the site.	<p><b>Complied.</b></p> <ul style="list-style-type: none"> <li>❖ MPCB granted consent to establish vide letter no. BO/RO(HQ)CE/CAC-669, dated : 02/11/2012.</li> <li>❖ Please refer <b>Annexure – 9 for Consent to Establish.</b></li> </ul>

ix.	All required Sanitary & Hygienic Measures should be in Place before starting Construction activities and to be maintained throughout the Construction phase.	<b>Complied.</b> <ul style="list-style-type: none"> <li>❖ 21 nos of Toilets and common bathroom with 16 tabs have been provided on the project site.</li> <li>❖ Site sanitation like safe &amp; adequate Municipal water for drinking purpose and tanker water for domestic purpose and periodical medical checkup facilities have been provided.</li> <li>❖ Please refer <b>Annexure - 10 for Health Screening reports.</b> .</li> </ul>
x.	Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in para 2. Prior certification from appropriate authority shall be obtained.	<b>Agreed to comply with.</b> <ul style="list-style-type: none"> <li>❖ STP of capacity 300 KLD for Residential building will be provided and 500 KLD for IT Park is installed.</li> <li>❖ OWC for treatment of biodegradable waste will be provided and Non-biodegradable waste have been sorted into recycled and non-recycled waste and handed over to MCGM on daily basis.</li> <li>❖ RG area shall be developed over an area of 9772.48 Sq. meters.</li> </ul>
xi.	Provision shall be made for the housing of construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche and First Aid Room, etc.	<b>Agreed to comply with.</b> <ul style="list-style-type: none"> <li>❖ Total 590 nos of Residential workers are staying at 250 nos of hutments and 80 nos of non-residential workers have been working on site.</li> <li>❖ Proper housekeeping &amp; regular pest control have been carried out throughout construction.</li> <li>❖ First Aid and medical facilities have been provided during construction.</li> <li>❖ Site sanitation like safe &amp; adequate Municipal water for drinking purpose and tanker water for domestic purpose, toilets, bathrooms and periodical medical checkup facilities have been provided.</li> <li>❖ Waste generated from toilets and bathrooms is being disposed off to STP of IT Park (which is temporary connected) during construction phase.</li> <li>❖ STP of capacity 300 KLD for Residential building will be provided and 500 KLD for IT Park is installed.</li> </ul>

xii.	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> <ul style="list-style-type: none"> <li>❖ Total 590 nos of Residential workers are staying at 250 nos of hutments and 80 nos of non-residential workers have been working on site.</li> <li>❖ Proper housekeeping &amp; regular pest control have been carried out throughout construction.</li> <li>❖ First Aid and medical facilities have been provided during construction.</li> <li>❖ Site sanitation like safe &amp; adequate Municipal water for drinking purpose and tanker water for domestic purpose, toilets, bathrooms and periodical medical checkup facilities have been provided.</li> <li>❖ 21 nos of Toilets and common bathroom with 16 tabs have been provided on the project site.</li> <li>❖ Waste generated from toilets and bathrooms is being disposed off to STP of IT Park (which is temporary connected) during construction phase.</li> <li>❖ STP of capacity 300 KLD for Residential building will be provided and 500 KLD for IT Park is installed.</li> </ul>
xiii.	The solid waste generated should be properly collected & 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 for storage, collection and segregation of biodegradable &amp; non-biodegradable waste at source generation.</li> <li>❖ Biodegradable waste will be treated in OWC.</li> <li>❖ Non-biodegradable waste will be handed over to local solid waste management facility on daily basis.</li> </ul>
xiv.	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> <ul style="list-style-type: none"> <li>❖ OWC for treatment of 1566 Kgs/day Biodegradable waste will be provided during operation phase.</li> </ul>
xv.	Arrangement shall be made that waste water and Storm water does not get mixed.	<b>Agreed to comply with.</b> <ul style="list-style-type: none"> <li>❖ Provisions will be made of channelization of storm water from site by using proper internal SWD system and discharge points of having adequate capacity.</li> </ul>



xvi.	All the top soil excavated during construction activities should be stored for use in horticulture/ landscape development within the project site.	<b>Agreed to comply with</b>  ❖ Top soil is partly used in landscape development.
xvii.	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 material is already used for back filling and leveling within the project site.
xviii.	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.	❖ Various varieties of trees shall be planted in RG area of 9772.48 sq. m.
xix.	Disposal of muck during construction phase should not create any adverse effects 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>  Excavated soil (part) is already used for back filling and plot leveling within the project site.
xx.	Soil & 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.	❖ The construction process does not involve any activity which may lead to leaching of heavy metals and toxic contaminants.  ❖ No source of ground water on site hence, there is no threat of contamination to sub-soil and ground water.  ❖ Soil is tested and the <b>monitoring report for soil</b> is attached as <b>Annexure – 11</b> .
xxi.	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.
xxii.	Any hazardous waste generated during construction phase should be disposed off as per applicable rules & norms with necessary approvals of the Maharashtra Pollution Control Board.	No hazardous waste generation during construction phase.
xxiii.	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.
xxiv.	The diesel required for operating DG sets shall be Stored in underground tanks and if required, clearance from concerned authority shall be taken.	No DG set is being used for construction purpose.

xxv.	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.	<b>Complied.</b> <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> <li>❖ Please refer <b>Annexure – 12</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 – 11</b> for Monitoring reports.</li> </ul>
xxvi.	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 – 11</b> for Monitoring reports.</li> </ul>
xxvii.	Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27 <sup>th</sup> August, 2003. (The above condition is applicable only if the project site is located within the 100 Km of Thermal Power Stations.)	<b>Complied</b>  Fly ash along with cement, metals & River Cruss and sand are being used.
xxviii.	Ready mixed concrete must be used in buildings construction.	<b>Complied.</b> Ready mixed concrete is used in building construction.
xxix.	The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of firefighting equipment etc. as per the National Building Code including measures from lighting.	<b>Complied.</b>  <b>Structural stability :</b> <ul style="list-style-type: none"> <li>❖ Mr. Achyut Watve, (Consulting Structural Engineer certified the structural stability of the building vide letter no. TCN/2010-2011/228, dated : 14/05/2010.</li> <li>❖ Please refer <b>Annexure – 13</b> for <b>Structural stability certificate.</b></li> </ul> <b>Fire NOC :</b> <ul style="list-style-type: none"> <li>❖ Fire NOC from Chief fire officer (CFO), MCGM obtained vide letter no. FB/HR/CITY/527, dated : 04/04/2012.</li> <li>❖ Please refer <b>Annexure – 6</b> for <b>Fire NOC.</b></li> </ul>

xxx.	Storm water control and its re-use as per CGWB and BIS standards for various applications.	<b>Agreed to comply with.</b>
xxxi.	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and best practices referred.	Ready mixed concrete and curing agents are being used.
xxii.	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.	❖ No source of ground water on the project site.
xxiii.	The installation of the sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the Ministry before the project is commissioned for operation. Treated effluent emanating from STP shall be recycled/ reused to the maximum extent possible. Treatment of 100% gray water by decentralized treatment should be done. Discharge of unused treated affluent shall conform to the norms and standards of the Maharashtra Pollution Control Board. Necessary measures should be made to mitigate the odour problem from STP.	<b>Agreed to comply with.</b>  ❖ STP of capacity 300 KLD for Residential building will be provided and 500 KLD for IT Park is installed. ❖ Treated sewage will be reused for flushing, gardening & cooling tower make up.
xxiv.	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>  ❖ STP and OWC will be provided prior to occupation.
xxv.	Permission to draw ground water shall be obtained from competent authority prior to Construction/operation of project.	Ground water has been not used during construction and operation phase hence permission from CGWA is not required.
xxvi.	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.
xxvii.	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.
xxviii.	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.
xxix.	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>  ❖ We will use appropriate thermal insulation material to fulfill the prescriptive requirement as per energy conservation building code.



xli.	Energy conservation measures like installation of CFLs/TFLs for the lightning the areas outside the building should be integral part of the project design and should be in place before 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.	<p><b>Agreed to comply with.</b></p> <p>Following energy conservation measures are provided;</p> <ul style="list-style-type: none"> <li>❖ Use of CFL, T5 lamps.</li> <li>❖ Timer based external lightings.</li> <li>❖ All cables de-rated</li> </ul>
xlii.	Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under Environment (Protection) Act 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.	<p><b>Agreed to comply with.</b></p> <p>CPCB approved enclosed type D.G. sets with proper stack height will only be used in case of power failure.</p> <ul style="list-style-type: none"> <li>❖ Proposed DG sets :- <ol style="list-style-type: none"> <li>1) 2 X 1010 kVA each (Residential)</li> <li>2) 9 X 2000 kVA each (IT Park)</li> </ol> </li> </ul>
xlii.	Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.	<p><b>Agreed to comply with.</b></p> <ul style="list-style-type: none"> <li>❖ Landscape development will be carried out to mitigate noise pollution and to maintain noise levels within permissible standards.</li> <li>❖ Also the proposed DG sets will be acoustic enclose type.</li> <li>❖ Please refer <b>Annexure – 11 for Noise monitoring reports.</b></li> </ul>
xliii.	Traffic congestion near the entry and exit points from the roads adjoining the proposed site must be avoided. Parking should be fully internalized and no public space should be utilized.	<p><b>Agreed to comply with.</b></p> <ul style="list-style-type: none"> <li>❖ Public road and public areas are not being used for project activity purpose and are free for smooth traffic movement.</li> <li>❖ Provisions will be made for adequate parking facilities within the project complex.</li> <li>❖ Parking area of <b>1,69,271 Sq. m</b> (which includes MCGM PPL car parking area) will be provided.</li> </ul>

xliv.	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspirational for non-air-conditioned spaces by use of appropriate thermal insulation to fulfill requirement.	<b>Agreed to comply with.</b>
xlv.	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.
xlvi.	Regular supervision of 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.
xlvii.	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 Environmental clearance from SEIAA, Govt. of Maharashtra vide letter no. SEAC.2010/CR.284/TC-2, dated : 23 <sup>rd</sup> January, 2012. ❖ Amended in Environmental clearance vide letter no. SEAC.2010/CR.198/TC-2, dated : 11 <sup>th</sup> December, 2015. ❖ Obtained <b>Commencement certificate</b> from MCGM vide letter no. EB/1258/GS/A, dated : 01/11/2017 before starting the construction of project.
lviii.	Six monthly monitoring reports should be submitted to the Department and MPCB.	<b>Complied.</b> ❖ Submitted six monthly compliance reports regularly since the grant of EC.
xliv.	A complete set of all documents submitted to the Department should be forwarded to the MPCB.	<b>Complied.</b> ❖ A complete set of all the documents have been submitted to MPCB along with the application of consent to application.
i.	In case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department	<b>Agreed to comply with.</b>
li.	A separate environmental 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.

lii.	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 any other purposes and year- wise expenditure should reported to the MPCB & this Department.	<b>Complying with.</b> <ul style="list-style-type: none"> <li>❖ Rs. 174.09 Lakhs has been spent on environmental protection measures. Environmental Management Plan : <b>During construction phase :</b></li> <li>❖ Rs. 29.82 Lakhs have been allocated for the entire construction period. <b>During operation phase :</b></li> <li>❖ Capital cost : Rs. 322.87 Lakhs and Recurring cost: Rs. 68.73 Lakhs per annum.</li> </ul>
liii.	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 the 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>Agreed to comply with.</b>
liv.	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms & conditions in hard & soft copies to the MPCB & this department, on 1 <sup>st</sup> June & 1 <sup>st</sup> December of each calendar year.	<b>Complied.</b> <ul style="list-style-type: none"> <li>❖ Six monthly compliance reports regularly submitted as per 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>
lv.	A copy of 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>Noted.</b>
lvi.	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	<b>Agreed to comply with.</b>

	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.	
lvii.	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>Complied.</b> <ul style="list-style-type: none"> <li>❖ Six monthly compliance reports regularly submitted as per 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>
lviii.	The environmental statement for each financial year ending 31 <sup>st</sup> 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 any 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>
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	<b>Validity of Environmental Clearance:</b> The environmental clearance accorded shall be valid for a period of 5 years.	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 provisions of 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 waste (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, Van Vigyan Bhawan, Sec-5, R.K. Puram, New Delhi – 110 022, 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)	:	Proposed Construction at 841 Indiabulls at CST no. 841 of Lower Parel Division (G-South Ward), Senapati Bapat Marg, Mumbai
2.	Name of the project	:	Proposed Construction of Residential building & IT park with MCGM Parking at 841 Indiabulls at CST no. 841 of Lower Parel Division (G-South Ward), Senapati Bapat Marg, Mumbai.
3.	Clearance letter ( s ) / OM No. and Date	:	Environment Clearance letter no. SEAC-2010/CR. 284/TC-2, dated : 23 <sup>rd</sup> January, 2012 and  Amended in clearance letter no. SEAC.2010/CR.198/ TC2, dated : 11 <sup>th</sup> December, 2015.
4.	Location		
	a.	District (s)	: Mumbai.
	b.	State (s)	: Maharashtra.
	c.	Latitude/ Longitude	: Latitude : 19°00'28.30" N Longitude : 72°49'58.02" E
5.	Address for correspondence	:	<b>Mr. Purav Acharya</b> <b>Indiabulls Properties Pvt. Ltd.</b> 16 <sup>th</sup> floor, Indiabulls Finance Centre, Elphinstone Mills Compound, 612-613, Senapati Bapat Marg, Elphinstone (west), 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 Properties Pvt. Ltd.</b> 15 <sup>th</sup> 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 pincode/ Fax numbers )	: <b>Mr. K. Bhatnagar</b> <b>Indiabulls Properties Pvt. Ltd.</b> CTS No. 841 of Lower Parel Division, (G-South Ward), Senapati Bapat Marg, Mumbai.

6.	Salient features		
	a.	of the project	: <b>Residential Building :</b> North Tower- 3B+S+56 Floors. South Tower – 3B+S+56 Floors. <b>IT Buildings :</b> Tower 1 ( C ) – 2B+S+18 Floors. Tower 2 ( B ) – 2B+S+20 Floors
	b.	of the environmental management plans	: <b>Expenditure on Environmental Management Plans :</b>  <b>During construction phase :</b> Rs. 29.82 Lakhs have been allocated for the entire construction period.  <b>During operation phase :</b> Capital cost : Rs. 322.87 lakhs O & M cost : Rs. 68.73 lakhs per annum.
7.	Break up of the project area		
	a.	submergence area forest & non-forest	: Project site is not a forest area.
	b.	Others	: FSI area : 1,50,986.08 Sq. meters Non-FSI area : 3,37,869.63 Sq. meters Total BUA : 4,88,855.71 Sq. meters
8.	Break up 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, if a Survey is carried out give details And years of survey)	: Not Applicable
9.	Financial details		
	a.	Project cost as originally planned and subsequent revised estimates and the year of price reference :	
	1.	Total Cost of the Project	: <b>Rs. 1278 Crores.</b>

	b.	Allocation made for environmental management plans with item wise and year wise Break-up.	:	<b>Expenditure on Environmental Management Plans :</b> <b>During construction phase :</b> Rs. 29.82 Lakhs have been allocated for the entire construction period. <b>During operation phase :</b> Capital cost : Rs. 322.87 lakhs O & M cost : Rs. 68.73 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	:	<b>Rs. 583 Crores</b>
	f.	Actual expenditure incurred on the environmental management plans so far	:	<b>Rs. 174.09 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), if any with quantitative information			Not Applicable
12	Status of construction			<ul style="list-style-type: none"> <li>Residential 1 Building with 2 wings : 46<sup>th</sup> floor RCC completed.</li> <li>IT Park with 2 Buildings : Work completed. (Obtained Part occupation certificate attached as <b>Annexure - 1</b>)</li> </ul>
	a.	Date of commencement ( Actual and/or planned )	:	15/11/2012 (Actual)
	b.	Date of completion ( Actual and/or planned )	:	30/09/2022 (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	<p>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 )</p> <p>(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.)</p>		
		:	--

**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 REAL ESTATE LTD.**

For Your Site : "SKY - FOREST"

CS No.841, Senapati Bapat Marg,

Elphinstone Road, Mumbai - 400013.

**REPORT NO. :** UT/ELS/REPORT/C-078/03-2018**ISSUE DATE :** 30/03/2018**YOUR REF. :** 3200013697**REF. DATE :** 14/07/2017**SAMPLE PARTICULARS :****AMBIENT AIR QUALITY MONITORING****Sampling Plan Ref. No.:** C-04/03-2018**Location Code :** 01**Sample Registration Date :** 06/03/2018**Sample Location :** Near Gate No. 05 (New)  
(10 meter off towards west direction)**Date of Sampling :** 05/03/2018**Time of Sampling :** 09:30 Hrs. to 17:30 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-020/03-2018**Sampling Duration :** 08 Hours**Ambient Air Temperature :** 29.5 °C to 34.2 °C**Relative Humidity :** 42.8 % to 60.0 %

Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part 02) : 2001	20	µg/m <sup>3</sup>
2.	Oxides of Nitrogen (NO <sub>x</sub> )	IS 5182 (Part 06) : 2006	34	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	52	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 - ENVIROTECH; Model - APM460BL ; Sr. No. 853-DTD-2007	Valid up to - 15/01/2019
	Fine Dust Sampler	Make - ENVIROTECH; Model - APM 550; Sr. No. 488-DTJ-2010	Valid up to - 15/01/2019

**Note:**

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

**- END OF REPORT -**

For ULTRA-TECH,

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



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## TEST REPORT

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For Your Site : "SKY - FOREST"

CS No.841, Senapati Bapat Marg,

Elphinstone Road, Mumbai - 400013.

**REPORT NO.** : UT/ELS/REPORT/C-079/03-2018

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

**YOUR REF.** : 3200013697

**REF. DATE** : 14/07/2017

### SAMPLE PARTICULARS :

**Sampling Plan Ref. No.:** C-04/03-2018

**Sample Registration Date** : 06/03/2018

**Date of Sampling** : 05/03/2018 to 06/03/2018

**Time of Sampling** : 18:00 Hrs. to 02:00 Hrs.

**Analysis Starting Date** : 06/03/2018

**Analysis Completion Date** : 08/03/2018

**Sample Lab Code** : UT/ELS/C-021/03-2018

**Ambient Air Temperature** : 27.2 °C to 30.5 °C

### AMBIENT AIR QUALITY MONITORING

**Location Code** : 02

**Sample Location** : Near Gate No. 01

(05 Meter off towards east direction)

**Collected By** : ULTRA-TECH

**Height of Sampler** : 1.0 Meter

**Sampling Duration** : 08 Hours

**Relative Humidity** : 52.7 % to 68.9 %

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	27	µg/m <sup>3</sup>
3.	Particulate Matter (PM <sub>10</sub> )	EPA/625/R-96/010a Method IO-2.1	76	µg/m <sup>3</sup>
4.	Particulate Matter (PM <sub>2.5</sub> )	UT/LQMS/SOP/AA05	46	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 - ENVIROTECH; Model - APM460BL ; Sr. No. 853-DTD-2007	Valid up to - 15/01/2019
	Fine Dust Sampler	Make - ENVIROTECH; Model - APM 550; Sr. No. 488-DTJ-2010	Valid up to - 15/01/2019

- Note:**
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  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)

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## TEST REPORT

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For Your Site : "SKY - FOREST"

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Elphinstone Road, Mumbai - 400013.

**REPORT NO.** : UT/ELS/REPORT/C-080/03-2018

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

**YOUR REF.** : 3200013697

**REF. DATE** : 14/07/2017

**SAMPLE PARTICULARS :**

**Sampling Plan Ref. No.:** : C-04/03-2018  
**Sample Registration Date** : 06/03/2018  
**Date of Sampling** : 06/03/2018  
**Time of Sampling** : 02:30 Hrs. to 10:30 Hrs.  
**Analysis Starting Date** : 06/03/2018  
**Analysis Completion Date** : 08/03/2018  
**Sample Lab Code** : UT/ELS/C-022/03-2018  
**Ambient Air Temperature** : 28.1 °C to 33.9 °C

**AMBIENT AIR QUALITY MONITORING**

**Location Code** : 03  
**Sample Location** : Near Gate No. 05 (Old)  
(12 meter off towards south direction)  
**Collected By** : ULTRA-TECH  
**Height of Sampler** : 1.0 Meter  
**Sampling Duration** : 08 Hours  
**Relative Humidity** : 48.2 % to 57.7 %

Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part 02) : 2001	18	µg/m <sup>3</sup>
2.	Oxides of Nitrogen (NO <sub>x</sub> )	IS 5182 (Part 06) : 2006	29	µg/m <sup>3</sup>
3.	Particulate Matter (PM <sub>10</sub> )	EPA/625/R-96/010a Method IO-2.1	82	µg/m <sup>3</sup>
4.	Particulate Matter (PM <sub>2.5</sub> )	UT/LQMS/SOP/AA05	50	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 - ENVIROTECH; Model - APM460BL ; Sr. No. 853-DTD-2007	Valid up to - 15/01/2019
	Fine Dust Sampler	Make - ENVIROTECH; Model - APM 550; Sr. No. 488-DTJ-2010	Valid up to - 15/01/2019

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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 and Clear at night.

**- END OF REPORT -**



For ULTRA-TECH,

*D.A. Karnik*

**Deepa Tamhane-Karnik**  
(Authorized Signatory)



## ENCLOSURE-I

**NATIONAL AMBIENT AIR QUALITY STANDARDS, PART III-SECTION IV**  
**The Gazette of India with Effect from Wednesday, November 18, 2009/KARTIKA 27, 1931**

Sr. No.	Pollutants	Time Weighted Average	National Ambient Air Quality Standards	
			Industrial, Residential, Rural and Other Area	Ecological Sensitive Area (Notified by Central Government)
01.	Sulphur Dioxide (SO <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 REAL ESTATE LTD.

For Your Site : "SKY - FOREST"

CS No.841, Senapati Bapat Marg,

Elphinstone Road, Mumbai - 400013.

**REPORT NO.** : UT/ELS/REPORT/C-081/03-2018

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

**YOUR REF.** : 3200013697

**REF. DATE** : 14/07/2017

### SAMPLE PARTICULARS :

**Sampling Plan Ref. No.** : C-04/03-2018

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

### NOISE LEVEL QUALITY MONITORING

**Sample Lab Code** : UT/ELS/C-023/03-2018

**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. 01	10:00 to 10:05	61.2	22:00 to 22:05	44.1
02.	Near Gate No. 05 (Old)	10:15 to 10:20	62.8	22:15 to 22:20	44.2
03.	Near gate No. 05 (New)	10:30 to 10:35	66.7	22:30 to 22:35	42.7
04.	Near Gate No. 03	10:45 to 10:50	61.2	22:45 to 22:50	42.1
05.	Near Gate No. 04	11:00 to 11:05	60.7	23:00 to 23:05	44.5

**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 - OPTTEL; Model - dB Meter; Sr. no. 6N-91	Valid up to - 10/10/2018

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

**- END OF REPORT -**



For ULTRA-TECH,

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

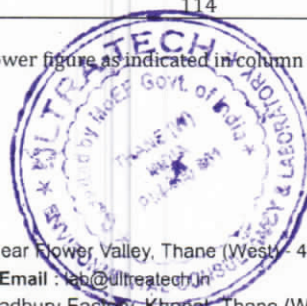
(The Model Rules Of The Factories Act, 1948)

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.



*D. H. D. H. D. H.*

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## TEST REPORT

**ISSUED TO:** M/s. INDIABULLS REAL ESTATE LTD.

For Your Site : "SKY - FOREST"

CS No.841, Senapati Bapat Marg,

Elphinstone Road, Mumbai - 400013.

**REPORT NO.** : UT/ELS/REPORT/C-082/03-2018**ISSUE DATE** : 30/03/2018**YOUR REF.** : 3200013697**REF. DATE** : 14/07/2017**SAMPLE PARTICULARS**

**Sampling Plan Ref. No.** : C-04/03-2018  
**Sample Registration Date** : 06/03/2018  
**Date & Time of Sampling** : 05/03/2018 at 15:00 Hrs.  
**Analysis Starting Date** : 06/03/2018  
**Analysis Completion Date** : 14/03/2018  
**Sample Collected By** : ULTRA-TECH  
**Sample Lab Code** : UT/ELS/C-024/03-2018

**SOIL QUALITY MONITORING**

**Sample Type** : Surface Soil (at 15cm depth)  
**Sample Location** : Near BEST Substation  
**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	1.7	%
3.	Bulk Density	UT/LQMS/SOP/S03	1032	kg/m <sup>3</sup>
4.	Organic Matter	IS:2720 (Part 22) : 1972	0.6	%
5.	Total Organic Carbon	IS:2720 (Part 22) : 1972	0.3	%
6.	pH	IS:2720 (Part 26) : 1987	7.3	-
7.	Conductivity(1:2soil:Water Extract)	IS:14767- 2000	1.241	mS/cm
8.	Salinity (1:2 soil: Water Extract)*	Calculated in terms of Total Dissolved Solids	769	mg/L
9.	Sodium as Na (Water Extractable)*	UT/LQMS/SOP/S19	134	mg/kg
10.	Magnesium as Mg (Water Extractable)*	UT/LQMS/SOP/S22	91	mg/kg
11.	Chlorides as Cl- (Water Extractable)*	UT/LQMS/SOP/S23	99	mg/kg
12.	Sulphate as SO <sub>4</sub> <sup>2-</sup> (Water Extractable)*	UT/LQMS/SOP/S24	174	mg/kg
13.	Sodium Adsorption Ratio*	UT/LQMS/SOP/S26	0.1	(meq/kg) <sup>1/2</sup>
14.	Cation Exchange Capacity	USEPA 846 9080	26.5	meq/100g
15.	Water Holding Capacity	ASTM- T7367-07	55.6	%
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	33	kg/ha
18.	Potassium as K <sub>2</sub> O (Available)	UT/LQMS/SOP/S29	110	kg/ha
19.	Nitrogen as N (Available)	UT/LQMS/SOP/S30	63	Kg/ha
20.	Iron as Fe	USEPA SW846 7380	49521	mg/kg
21.	Zinc as Zn	USEPA SW846 7950	124	mg/kg

BDL= Below Detection Limit

DL= Detection Limit

**Opinions / Interpretations:** NIL

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  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)