Indiabulls
REAL ESTATE

Date: 11/06/2019

To,

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

Subject : **Submission of Six monthly compliance as per Terms & Conditions stipulated in Environmental Clearance letter for our proposed rental housing component in EC issued to rental housing project at village Kon & Arivali Tal Panvel Dist. Raigad**

Reference. No. : **Environmental clearance letter No. SEAC-2010/ CR-526/TC-2 dated 4th February, 2013 subsequently amended on 1st April 2015 with environmental clearance letter No- SEAC-2010/ CR-526/TC-1**

Respected Sir/ Madam,

In reference to the above referred letter of your highly revered office we would like to submit the Current Status of our construction work and Point wise compliance status to various stipulations in its clearance letter **No- SEAC-2010/ CR-526/TC-2 dated 4th February, 2013 subsequently amended on 1st April 2015 with environmental clearance letter No- SEAC-2010/ CR-526/TC-1** along with the necessary annexure.

This compliance report is submitted for the period from **October 2018 to March 2019.**

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

Thanking you,

Yours Sincerely,

For, **DIANA INFRASTRUCTURE LTD**

DIANA INFRASTRUCTURE LIMITED

Authorized Signatory

Encl : Part A: Current Status of Construction Work.
Part B: Point wise compliance status.
Datasheets
Annexures

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

Indiabulls
REAL ESTATE

Date: 11/06/2019

To,

13.6.19.
अवर सचिव
पर्यावरण विभाग
मंत्रालय, मुंबई

Environment Department Government of Maharashtra,
Regional Office,
15th Floor, New Administrative Building,
Madam Cama Road,
Mantralaya, Mumbai - 400032

Subject : **Submission of Six monthly compliance as per Terms & Conditions stipulated in Environmental Clearance letter for our proposed rental housing component in EC issued to rental housing project at village Kon & Arivali Tal Panvel Dist. Raigad**

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Annexures

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

Indiabulls
REAL ESTATE

Date: 11/06/2019

To,

S.R.O. Mumbai,
Raigad Bavan,
7th floor Sector - 11,
C.B.D Belapur, Navi Mumbai.

Subject	:	**Submission of Six monthly compliance as per Terms & Conditions stipulated in Environmental Clearance letter for our proposed rental housing component in EC issued to rental housing project at village Kon & Arivali Tal Panvel Dist. Raigad**
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Thanking you,

Yours Sincerely,

For, **DIANA INFRASTRUCTURE LTD**

DIANA INFRASTRUCTURE LIMITED

Authorized Signatory

12-6-19
-Regional Office, Raigad
M.P.C. Board Raigad Bhavan, 6th Floor,
C.B.D. Belapur, Navi Mumbai-400 614.

Encl : Part A: Current Status of Construction Work.
Part B: Point wise compliance status.
Datasheets
Annexures

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

Indiabulls
REAL ESTATE

Date: 12/06/2019

To,

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

Subject : **Submission of Six monthly compliance as per Terms & Conditions stipulated in Environmental Clearance letter for our proposed rental housing component in EC issued to rental housing project at village Kon & Arivali Tal Panvel Dist. Raigad**

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Authorized Signatory

Encl : Part A: Current Status of Construction Work.
Part B: Point wise compliance status.
Datasheets
Annexures

<Dial 1800 266 6868>

भारतीय डाक
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PIN:390023, Subhanpura SO
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Regional Office C.B.D Belapur, Navi Mumbai
Department of Environment Mantralaya, Mumbai

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Annexure – 02	Environmental clearance
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: PART A :

Current Status of Work

Status of construction work		:	**As per attached sheet.**
a.	Date of commencement (Actual and/or planned)	:	**15/11/2015 (Actual)**
b.	Date of completion (Actual and/or planned)	:	**January, 2024 (Planned)**

Current Status of construction work as on March, 2019

MMMRDA Rental Housing Project, Indiabulls Greens, Panvel, Raigad.

Location	**Status**
Rental Buildings :	
'A' Wing	Foundation Completed
'B' Wing	6th Slab Completed
'C' Wing	Terrace slab completed
'D' Wing	Terrace Slab Completed
'E' Wing	Foundation work started
Sale Buildings :	
1	Foundation work started
2 A	Foundation work started
2 B	Foundation work started
3 A	Foundation completed
3 B	Foundation completed
3 C	Foundation completed
4 A	Foundation completed
4 B	Foundation completed
4 C	5th Slab completed
4 D	5th Slab Completed
4 E	5th Slab completed
5 A	Foundation completed
5 B	Foundation completed
5 C	Foundation completed

: PART B :

Point-wise compliance status to various stipulations laid down by the SEIAA in its Environmental Clearance letter no. SEAC-2010/CR-526/TC-2, dated: 04/02/2013 subsequently amendment in EC Vide letter no. SEAC-2010/CR-526/TC-1, dated: 01/04/2015 are as follows;

Sl. No.	Stipulated Conditions	Compliance Status
I	**Construction Phase**	
i.	Construction of the rental component restricted to the plinth level.	❖ This condition is removed in revised approvals.
ii.	This environmental clearance is issued subject to land use verification. Local authority/planning authority should ensure this with request to rules, regulations, Notifications, Government resolution, circulars, etc. issued if any, this environmental Clearance issued with respect to the environmental consideration and it does not means that State Level Impact assessment Authority (SEIAA) approved the proposed land use.	❖ CIDCO-NAINA approved the layout plan for sale building vide dated: 6/11/2015 & for Rental building vide dated: 22/07/2015. ❖ Please refer **Annexure – 1** for **Approved Layout Plan.** ❖ Obtained Environmental clearance from SEIAA, Maharashtra vide letter no. SEAC-2010/CR-526/TC-2, dated: 04/02/2013 and amendment in EC vide letter no. SEAC-2010/CR-526/TC-1, dated: 01/04/2015. ❖ Please refer **Annexure – 2** for **Environmental clearance copy.** ❖ Obtained Commencement certificate from CIDCO vide letter no. CIDCO/NAINA/PANVEL/Kon/BP-89 / CC/2015/2061, dated: 06/11/2015 for Sale building and for Rental building vide letter no. CIDCO/NAINA/PANVEL/Kon/BP-89 /CC/2015/1017, dated: 22/07/2015. ❖ Please refer **Annexure – 3** for **Commencement certificate.** ❖ Obtained Fire NOC from fire officer, CIDCO Fire Service vide letter no. CIDCO/FIRE/KLM/540/2015, dated: 16/04/2015, for the rental component & fire NOC vide letter no. CIDCO/FIRE/KHA//005/2015, dated: 2/10/2015, for the sale component. ❖ Please refer **Annexure – 4** for **Fire NOC.**
iii.	The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along	❖ Height of the building is as per the approved building plan. ❖ Obtained Height clearance NOC from Airport Authority of India vide letter no.

	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.	BT-1/NOC/MUM/13/NM/1302, dated: 22/01/2014. ❖ Please refer **Annexure – 5** for **Height NOC.** ❖ Obtained Zone certificate from Assistant Director, City Development, Alibagh, Raigad vide letter dated: 19/06/2009 & 10/07/2009. ❖ Please refer **Annexure – 6** for **Zone Certificate.**
iv.	"Consent for Establish" 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.	❖ Obtained consent to establishment from MPCB vides order no. format 1.0/BO/RO(HQ)/EIC-RO-2559-13/CE/CAC-5943, dated: 15/07/2013 & ❖ Consent to establishment from MPCB vides order no. BO/ROHQ/EIC-RO-2559-13/CE-CAC-5943-A, dated: 14/11/2013. ❖ Please refer **Annexure – 7** for **Consent to Establish.** ❖ Also obtained **MOM** for **renewal of C2E.** ❖ Please refer **Annexure – 8** for **MOM.**
v.	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	❖ All necessary facility has been provided on site for the construction workers. ❖ Site sanitation like safe & adequate RO treated water for drinking and tanker water for domestic purpose, 40 nos of toilets with septic tank, 12 nos of bathrooms and periodical medical check-up facilities have been provided during construction. ❖ Proper housekeeping & regular pest control have been carried out.
vi.	Project proponent shall ensure completion of STP, MSW, disposal facility, green belt development prior to occupation of the buildings. NO physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in para2. Prior certification from appropriate authority shall be obtained.	❖ STP of capacity 4.2 MLD will be provided on site to treat waste water. ❖ OWC for treatment of 16,166 Kgs/day bio-degradable wastes will be provided during operation phase. ❖ Non-biodegradable waste has been sorted into recycled and non-recycled waste and handed over to local municipal solid waste management facility on daily basis. ❖ RG area has been developed over an area of 20,058.49 Sq. meters.
vii.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche and first aid room etc.	❖ 165 nos of temporary hutments are provided on site for 322 nos of residential workers. ❖ Site sanitation like safe & adequate RO treated water for drinking & tanker water for domestic purpose and periodical

		medical check-up facilities has been provided. ❖ Please refer **Annexure – 9** for **Health Screening reports.**
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.	❖ Adequate RO treated water for drinking and tanker water for domestic purpose has been provided. ❖ 40 nos of toilets and 12 nos of bathrooms have been provided with septic tank facility.
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.	❖ Provision will be made for storage, collection and segregation of biodegradable & non-biodegradable waste at source generation. ❖ Biodegradable waste will be treated in OWC during operation phase. ❖ Non-biodegradable waste has been sorted into recycled and non-recycled waste and handed over to local municipal solid waste management facility on daily basis.
x.	Wet garbage should be treated by Organic waste converter and treated waste (manure) should be utilized in the existing premises for gardening. And no wet garbage will be disposed outside the premises, local authority should ensure this.	❖ OWC for treatment of 16,166 Kgs/day biodegradable wastes will be provided prior to occupancy. ❖ Further, compost will be used as manure for gardening.
xi.	Arrangement shall be made that waste water and storm water do not get mixed.	❖ Separate drains will be provided for the storm water. ❖ STP of capacity 4.2 MLD will be provided on site to treat waste water.
xii.	All the topsoil excavated during construction activities should be stored for use in horticulture/ landscape development within the project site.	❖ Top soil is being used in landscape development.
xiii.	Additional soil for levelling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.	❖ Excavated soil is partly used for backfilling and levelling within the project site.
xiv.	Green belt development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture department.	❖ Green belt has been developed over an area of 20058.49 Sq. meters with the plantation of 1105 nos of trees of different species.
xv.	Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approval sites with the approval of competent authority.	❖ Excavated soil is partly used for backfilling and levelling within the project site.

xvi.	Soil and ground water samples will be tested to ascertain that there is no treat to ground water quality by leaching of heavy metals and other toxic contaminations.	❖ No extraction of ground water for construction purpose. ❖ Soil quality and ground water from recharge pits is being monitored. ❖ Please refer **Annexure – 10 for Monitoring reports.**
xvii.	Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminant watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.	❖ As per consent granted by MPCB, No hazardous waste generation during construction phase.
xviii.	Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.	❖ As per consent granted by MPCB, No hazardous waste generation during construction phase.
xix.	The diesel generator sets to be used during construction phase should be low Sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.	❖ 02 nos of DG set of capacity 230 kVA & 630 kVA is being used during power failure only.
xx.	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.	❖ 02 nos of DG set of capacity 230 kVA & 630 kVA is being used during power failure only.
xxi.	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.	❖ Vehicles with valid PUC are allowed during construction to enter the site. ❖ Vehicles are operated only during non-peak hours. ❖ Ambient air and Noise levels monitoring is being carried out. ❖ Please refer **Annexure – 10** for **Monitoring reports.** ❖ Please refer **Annexure – 11** for **PUC Certificates.**
xxii.	Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/MPCB.	❖ Ambient air and Noise levels monitoring is being carried out. ❖ Please refer **Annexure – 10** for **Monitoring reports.**
xxiii.	Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th August, 2003.	❖ Fly ash along with cement, metals & River Cruss and sand are being used.

	(The above condition is applicable only if the project site is located within the 100 km of Thermal Power Stations)	
xxiv.	Ready mixed concrete must be used in building construction.	❖ Ready mixed concrete is used in building construction.
xxv.	The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of fire fighting equipment's etc. as per National Building Code including measures from lighting.	**Structural stability :** ❖ Mr. Achyut Watve, (Consulting Structural Engineer certified the structural stability of the building vide letter no. TCN/11-1063/2014-2015/2730, dated: 13/03/2015. ❖ Please refer **Annexure – 12** for **Structural Stability certificate.** **Fire NOC :** ❖ Obtained Fire NOC from fire officer, CIDCO Fire Service vide letter no. CIDCO/FIRE/KLM/540/2015, dated: 16/04/2015, for the rental component & fire NOC vide letter no. CIDCO/FIRE/KHA//005/2015, dated: 2/10/2015, for the sale component.
xxvi.	Storm water control and its re-use as per CGWB and BIS standards for various applications	❖ Storm water drains will be provided. ❖ 5 Rain water collection tanks of capacity 2045 KLD will be provided on site. ❖ 24 nos of recharge pits have been provided.
xxvii.	Water demand during construction should be reduced by use of pre-mixed concrete, Agents and other best practices referred.	❖ Ready mixed concrete is used in building construction.
xviii.	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.	❖ No extraction of ground water for construction purpose. ❖ Soil quality and ground water from recharge pits is being monitored. ❖ Please refer **Annexure – 10 for Monitoring reports.**
xxix.	The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the Ministry before the project is commissioned for operation. Treated effluent emanating from STP shall be recycled/ reused to the maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done. Discharge of unused treated effluent 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.	❖ STP of capacity 4.2 MLD will be provided on the site to treat waste water generated. ❖ Treated sewage will be reused for flushing and gardening.

xxx.	Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.	❖ STP and OWC will be provided prior to Occupancy.
xxxi.	Permission to drawn ground water shall be obtained from the competent Authority prior to construction/operation of the project.	❖ No extraction of ground water for construction purpose also we are not planning to withdraw ground water for any purpose in future, hence permission from CGWA is not applicable.
xxxii.	Separation of grey & black water should be done by the use of dual pumping line for separation of grey and black water.	❖ Dual plumbing line will be provided for buildings for using the treated wastewater for flushing and gardening.
xxiii.	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.	❖ Low flow fixtures will be provided for the toilet flushing.
xxiv.	Use of glass may reduce 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 window.	❖ Use of single glazed glass for windows.
xxxv.	Roof should meet prescriptive requirement as per energy conservation building code by using appropriate thermal insulation material to fulfil requirement.	❖ We will use appropriate thermal insulation material to fulfil the prescriptive requirement as per energy conservation building code.
xxvi.	Energy conservation measures like installation of CFLs/ TFLs for lighting the area outside the building should be integral part of the project design and should be in place before project commissioning. Used CFLs and TFLs should be properly collected and disposed of/sent for recycling as per the prevailing guidelines/ rule of the regulatory authority to avoid mercury contamination. Use of solar panel may be done to the extent possible like installing solar street lights, common solar water heater system, project proponent should install, after checking feasibility, Solar plus hybrid non-conventional energy source as source of energy	**Energy conservation measures are as follows;** ❖ Use of energy efficient, BEE labelled electrical fixtures. ❖ Energy efficient fluorescent tube light& CFL lamps which gives Approx. 305 more light output for the same watts consumed and therefore require less nos of fixtures. ❖ Use of T5/LED tubes having 2.5 to 3 times over conventional tubes and hence the rate of disposal; of tubes will be reduced drastically ❖ All fluorescent light fixtures will be specified to incorporate electronic ballast with THD less than 105 which have less watt-loss compared to electronic ballast and result in superior operating power factor. Electronic chokes also improves the life of the fluorescent lamps. ❖ Occupants of residents premises will be made aware of energy saving measures on continuous basis ❖ Variable frequency drives will be

		incorporated on energy efficient motors which will save considerable energy. ❖ The water supply to the tower is by gravity system. ❖ Additional energy and water flow meters for measurement and verification need to be additionally in corporate in the electrical design for measurement and verification purposes. ❖ Use of CFC –free refrigerants in the installed heating, ventilation & air conditioning (HVAC) equipment and unitary air-conditioners.
xxvii.	Diesel power generating sets proposed as source of backup power for elevator and common area illumination during operational phase should be of enclosed type and conform to the rules made under the Environmental (protection) Act, 1986. The height of stack of DG sets should be equal to 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.	❖ CPCB approved enclosed type D.G. sets will be provided in operation phase and will be used in case of power failure only.
xviii.	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.	❖ Green belt has been developed over an area of 20058.49 Sq. meters with the plantation of 1105 nos of trees of different species. ❖ Please refer **Annexure – 10** for **Monitoring reports.**
xxix.	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.	❖ Public road and public areas is not being used for project activity purpose and are free for smooth traffic movement. ❖ Provision has been made for adequate parking facilities within the project complex. ❖ Parking area of 141,898.61 Sq. Meters is provided.
xl.	Opaque wall should meet prescriptive requirement as per energy conservation building code, which is proposed to be mandatory for all air-conditioned spaces. While it is aspirational for non-air– conditioned spaces by use of appropriate thermal insulation material to fulfil requirement.	❖ Agreed to comply with.
xli.	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air, ventilation.	❖ Adequate distance is provided between two buildings to allow movement of fresh air, passage of natural light & ventilation.

xlii.	Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.	❖ Regular supervision of the above measures is being monitored by competent person.
xliii.	Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.	❖ Obtained Environmental clearance prior to start the construction work; ❖ Obtained Environmental clearance from SEIAA, Maharashtra vide letter no. SEAC-2010/CR-526/TC-2, dated: 04/02/2013 and amendment in EC vide letter no. SEAC-2010/CR-526/TC-1, dated: 01/04/2015. ❖ Please refer **Annexure – 2** for **EC copy.**
xliv.	Six monthly monitoring reports should be submitted to the Department and MPCB.	❖ Six monthly monitoring reports are being submitted.
xlv.	A complete set of all the documents submitted to Department should be forwarded to the MPCB.	❖ A complete set of all the documents has been submitted to MPCB with the consent to establish application.
xlvi.	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.	❖ Noted.
xlvii.	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	❖ A separate environment management cell has been established. ❖ Environmental quality is being monitored through external approved laboratory.
lviii.	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.	**Environmental Management Plan :** **During construction phase :** ❖ Rs. 44 Lakhs have been allocated for the entire construction period. **During operation phase :** ❖ Capital cost : Rs. 5443.42 Lakhs and ❖ O & M cost: Rs. 453.84 Lakhs per annum. ❖ Rs. 6.0 Lakhs has been spent on environmental protection measures as on March, 2019.
xlix.	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://envis.maharashtra.gov.in	❖ After getting Environmental clearance from SEIAA, Maharashtra vide letter no. SEAC-2010/CR-526/TC-2, dated: 04/02/2013 and amendment in EC vide letter no. SEAC-2010/CR-526/TC-1, dated: 01/04/2015 we published public notice in local newspapers. ❖ Please refer **Annexure – 13** for **Advertisement copy.**

l.	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department on 1st June & 1st December of each calendar year.	❖ Submitting six monthly compliance reports regularly to; ❖ RO, MPCB, CBD, Belapur, Navi Mumbai. ❖ RO, 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.	❖ Environmental clearance copy submitted to CIDCO (NAINA).
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 the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO2 , NOx (Ambient level as well as stack emissions) or critical sectored 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. CPCB and displayed at a convenient location near the main gate of the company in the public domain	❖ Agreed to comply with.
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.	❖ Submitting six monthly compliance reports regularly to; ❖ RO, MPCB, CBD, Belapur, Navi Mumbai. ❖ RO, MoEF & CC, Nagpur. ❖ Environmental department Mantralaya and CPCB, Vadodara.
liv.	The Environmental statement for each financial year ending 31st March in form V as is mandated to be submitted by the project proponent to the concerned state pollution control board as Prescribed under the Environment (Protection) Rules 1986 as amended subsequently shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective regional offices of MoEF by email.	❖ Environmental statement for the year 2017-2018 has been submitted on the MPCB online portal, after uploading the six monthly environmental compliance reports.

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, 1986.	❖ Noted.
5.	In case of submission of false document and noncompliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environmental Clearance without any intimation and initiate appropriate legal action under EP Act, 1986.	❖ Noted.
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.	❖ Noted.
7.	Validity of environmental clearance: 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: 29/04/2015.
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.	❖ Noted.
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.	❖ Noted.
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.	❖ Noted.

Compliance as per

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)		:	MMRDA Rental Housing Project
2.	Name of the project		:	Indiabulls Green, Phase II at Panvel by M/s. Diana Infrastructure Ltd.
3.	Clearance letter (s) / OM No. and Date		:	1st Environmental clearance received from SEIAA, Maharashtra vide letter no. SEAC-2010/CR-526/TC-2, dated: 04/02/2013 and amendment in EC vide letter no. SEAC-2010/CR-526/TC-1, dated: 01/04/2015.
4.	Location			
	a.	District (s)	:	Panvel, Raigad.
	b.	State (s)	:	Maharashtra.
	c.	Latitude/ Longitude	:	Latitude : 18°57'15.79" N Longitude: 73°09'01.37"E
5.	Address for correspondence		:	**Mr. Purav Acharya** **M/s. Diana Infrastructure Limited.** 16th floor, Indiabulls Finance Centre, Elphinstone Mills Compound, 612-613, Senapati Bapat Marg, Elphinstone - west, Mumbai – 400 013. Tel. No.: 022-6189 9700.
	a.	Address of Concerned Project Chief Engineer (with pin code & Telephone / telex / fax numbers	:	**Col. S. S. Kadyan (Retd.)** **M/s. Diana Infrastructure Limited.** 16th floor, Indiabulls Finance Centre, Elphinstone Mills Compound, 612-613, Senapati Bapat Marg, Elphinstone - west, Mumbai – 400 013. Tel. No.: 022-6189 9700.
	b.	Address of Executive Project: Engineer/Manager (with pin code/ Fax numbers)	:	**Mr. Vithal Shinde** **M/s. Diana Infrastructure Limited.** 63/0, 64/1, 64/2, 65/1 to 65/3, 66/2, 66/3,66/5 to 66/8, 66/13 to 66/15, 67/1A, 67/1B, 67/2, 68/1 to 7, 69/1A, 69/1B, 69/2, 69/6, 69/7, 70/1, 70/2, 71/1B, 71/1A + 2A+ 5B, 71/3, 71/4 + 25K, 71/5A, 71/6A, 71/6B, 71/7, 71/8A +9B, 71/8B + 9K, 71/10 + 9A, 71/11 to 71/16,

				71/17A, 71/17B,71/17K, 71/18 to 71/20, 71/21B, 71/22 + 21A, 71/23B, 71/24 + 23A, 71/25A + 5K, 71/25B, 81/3 to 81/14, 82/1 to 82/4, 83/1,83/4A, 83/5A, 83/6 at Village – Kon, Taluka – Panvel, District – Raigad.
6.	Salient features			
	a.	of the project	:	**Sale Building -** 14 nos of Residential building. 14 buildings with B + LG + UG + Podium + 36 floors. **Rental Building** - 6 nos of Rental building. 6 buildings of G + 26 floors.
	b.	of the environmental management plans	:	**Environmental Management Plan :** **During construction phase :** ❖ Rs. 44 Lakhs have been allocated for the entire construction period. **During operation phase :** ❖ Capital cost : Rs. 5443.42 Lakhs and ❖ O & M cost: Rs. 453.84 Lakhs per annum. ❖ Rs. 6.0 Lakhs has been spent on environmental protection measures as on March, 2019.
7.	Breakup of the project area			
	a.	submergence area forest & non-forest	:	--
	b.	Others	:	❖ FSI area : 366,959.72 Sq. Meters ❖ Total construction area: 728,773.35 Sq. Meters.
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 laborers/ 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.	:	**Project Cost : 1,775.58 Crores**
	b.	Allocation made for environ-mental management plans with item wise and year wise Break-up.	:	**Environmental Management Plan :** **During construction phase :** ❖ Rs. 44 Lakhs have been allocated for the entire construction period. **During operation phase :** ❖ Capital cost : Rs. 5443.42 Lakhs and ❖ O & M cost: Rs. 453.84 Lakhs per annum. ❖ Rs. 6.0 Lakhs has been spent on environmental protection measures as on March, 2019.
	c.	Benefit cost ratio/ Internal rate of Return and the year of assessment	:	--
	d.	Whether (c) includes the Cost of environmental management as shown in the above.	:	--
	e.	Actual expenditure incurred on the project so far	:	**Rs. 146.35 Cr.**
	f.	Actual expenditure incurred on the Environmental Management plans so far.	:	**Rs. 6 Lakhs**
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

<table>
<tr><td>11.</td><td colspan="2">The status of clear felling in Non-forest areas (such as submergence area of reservoir, approach roads), it any with quantitative information</td><td>:</td><td>Nil</td></tr>
<tr><td>12.</td><td colspan="2">Status of construction</td><td>:</td><td>
<table>
<tr><th>Location</th><th>Status</th></tr>
<tr><td colspan="2">Rental Buildings :</td></tr>
<tr><td>‘A’ Wing</td><td>Foundation Completed</td></tr>
<tr><td>‘B’ Wing</td><td>6th Slab Completed</td></tr>
<tr><td>‘C’ Wing</td><td>Terrace slab completed</td></tr>
<tr><td>‘D’ Wing</td><td>Terrace Slab Completed</td></tr>
<tr><td>‘E’ Wing</td><td>Foundation work started</td></tr>
<tr><td colspan="2">SALE Buildings :</td></tr>
<tr><td>1</td><td>Foundation work started</td></tr>
<tr><td>2 A</td><td>Foundation work started</td></tr>
<tr><td>2 B</td><td>Foundation work started</td></tr>
<tr><td>3 A</td><td>Foundation completed</td></tr>
<tr><td>3 B</td><td>Foundation completed</td></tr>
<tr><td>3 C</td><td>Foundation completed</td></tr>
<tr><td>4 A</td><td>Foundation completed</td></tr>
<tr><td>4 B</td><td>Foundation completed</td></tr>
<tr><td>4 C</td><td>5th Slab completed</td></tr>
<tr><td>4 D</td><td>5th Slab Completed</td></tr>
<tr><td>4 E</td><td>5th Slab completed</td></tr>
<tr><td>5 A</td><td>Foundation completed</td></tr>
<tr><td>5 B</td><td>Foundation completed</td></tr>
<tr><td>5 C</td><td>Foundation completed</td></tr>
</table>
</td></tr>
<tr><td></td><td>a.</td><td>Date of commencement
(Actual and/or planned)</td><td>:</td><td>15/11/2015 (Actual)</td></tr>
<tr><td></td><td>b.</td><td>Date of completion
(Actual and/of planned)</td><td>:</td><td>January, 2024 (Planned)</td></tr>
</table>

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	:	--
	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.)		:	--

ULTRA-TECH

ULR -TC560019 000001983F

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QCI-NABET Accredited EIA Consulting Organization
STP/ETP/WTP Project Management Consultants

ISO 9001 : 2015
OHSAS 18001 : 2007

Laboratory : G V Brothers Building, Bata Compound, Khopat, Near Flower Valley, Thane (West) - 400 601. Maharashtra, India
Tele : +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. DIANA INFRASTRUCTURE LTD.
For Your Site: **"Indiabulls Greens – Phase II"**
Village : Kon, Near NITCO Logistics, opp. Honda Godown,
TalukaPanvel, District –Raigad, Maharashtra – 410216.

REPORT NO. : UT/ELS/REPORT/2580/04-2019
ISSUE DATE : 26/04/2019
YOUR REF. : 3266003698
REF. DATE : 15/04/2019

SAMPLE PARTICULARS : AMBIENT AIR QUALITY MONITORING

Sampling Plan Ref. No.: : C-06/11-2018
Sample Registration Date : 03/11/2018
Date of Sampling : 02/11/2018
Time of Sampling : 15:00 Hrs. to 23:00 Hrs.
Analysis Starting Date : 05/11/2018
Analysis Completion Date : 07/11/2018
Sample Lab Code : UT/ELS/C-034/11-2018
Ambient Air Temperature : 27.6 °C to 32.0 °C

Location Code : 01
Sample Location : Near Gate No.2 (15 meter off towards West direction)
Collected By : ULTRA-TECH
Height of Sampler : 1.0 Meter
Sampling Duration : 08 Hours
Relative Humidity : 49.0% to 63.0%

Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	Sulphur Dioxide (SO_2)	IS 5182 (Part 02) : 2001	18	µg/m³
2.	Oxides of Nitrogen (NO_x)	IS 5182 (Part 06) : 2006	28	µg/m³
3.	Particulate Matter (PM_{10})	EPA/625/R-96/010a Method IO-2.1	87	µg/m³
4.	Particulate Matter ($PM_{2.5}$)	UT/LQMS/SOP/AA05	49	µg/m³
5.	Carbon Monoxide (CO) †	IS 5182 (Part 10): 1999	1.3	mg/m³

†: Sampling Period 1 Hr.

Opinions / Interpretations: *National Ambient Air Quality Monitoring Standard, Part III- Section IV is provided as Annexure-I for your reference. (Turnover to find Annexure)..*

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

Note:
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 & Clear during sampling period.

– END OF REPORT –

ULTRA-TECH Gazetted by MoEF Govt. of India THANE (W) INDIA PIN-400 601 ENVIRONMENTAL CONSULTANCY & LABORATORY

For ULTRA-TECH,

Dr. Rahul Kolhapurkar
(Authorized Signatory)

H.O.: Unit No. 224,225,206, Jai Commercial Complex, Eastern Express Highway, Opp. Cadbury Factory, Khopat, Thane (W) 400 601.
Tel : +91-22-2534 27 76 / 2538 01 98 / 2533 14 33 Fax : +91-22-2542 96 50 **Email :** sales@ultratech.in
Pune : +91-20-27293043 - pune@ultratech.in **Kochi :** +91-484-4011173 / +91-9895200526 - kochi@ultratech.in
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ULR -TC560019000001984F

ISO 9001 : 2015
OHSAS 18001 : 2007

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TEST REPORT

ISSUED TO:M/s. DIANA INFRASTRUCTURE LTD.
For Your Site : **"Indiabulls Greens – Phase II"**
Village : Kon, Near NITCO Logistics, opp. Honda Godown,
TalukaPanvel, District –Raigad, Maharashtra – 410216.

REPORT NO. : UT/ELS/REPORT/2581/04-2019
ISSUE DATE : 26/04/2019
YOUR REF. : 3266003698
REF. DATE : 15/04/2019

SAMPLE PARTICULARS : AMBIENT AIR QUALITY MONITORING

Sampling Plan Ref. No.: : C-06/11-2018
Sample Registration Date : 03/11/2018
Date of Sampling : 02/11/2018 to 03/11/2018
Time of Sampling : 23:30 Hrs. to 07:30 Hrs.
Analysis Starting Date : 05/11/2018
Analysis Completion Date : 07/11/2018
Sample Lab Code : UT/ELS/C-035/11-2018
Ambient Air Temperature : 27.4 °C to 32.0 °C

Location Code : 02
Sample Location : Near RMC Plant (15 Meter off towards East direction)
Collected By : ULTRA-TECH
Height of Sampler : 1.0 Meter
Sampling Duration : 08 Hours
Relative Humidity : 54.0 % to 69.0 %

Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	Sulphur Dioxide (SO_2)	IS 5182 (Part 02) : 2001	14	µg/m³
2.	Oxides of Nitrogen (NO_x)	IS 5182 (Part 06) : 2006	26	µg/m³
3.	Particulate Matter (PM_{10})	EPA/625/R-96/010a Method IO-2.1	82	µg/m³
4.	Particulate Matter ($PM_{2.5}$)	UT/LQMS/SOP/AA05	50	µg/m³
5.	Carbon Monoxide (CO) †	IS 5182 (Part 10): 1999	1.0	mg/m³

†: Sampling Period 1 Hr.

Opinions / Interpretations: *National Ambient Air Quality Monitoring Standard, Part III- Section IV is provided as Annexure-I for your reference. (Turnover to find Annexure)..*

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

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

– END OF REPORT –

For ULTRA-TECH,

ULTRA-TECH Gazetted by MoEF Govt. of India THANE (W) INDIA PIN-400 601 ENVIRONMENTAL CONSULTANTS & LABORATORY

Dr. Rahul Kolhapurkar
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OHSAS 18001 : 2007

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TEST REPORT

ISSUED TO :M/s. DIANA INFRASTRUCTURE LTD.
For Your Site: **"Indiabulls Greens – Phase II"**
Village : Kon, Near NITCO Logistics, opp. Honda Godown,
TalukaPanvel, District –Raigad, Maharashtra – 410216.

REPORT NO. : UT/ELS/REPORT/2582/04-2019
ISSUE DATE : 26/04/2019
YOUR REF. : 3266003698
REF. DATE : 15/04/2019

SAMPLE PARTICULARS : AMBIENT AIR QUALITY MONITORING

Sampling Plan Ref. No.: : C-06/11-2018
Sample Registration Date : 03/11/2018
Date of Sampling : 03/11/2018
Time of Sampling : 08:00 Hrs. to 16:00 Hrs.
Analysis Starting Date : 05/11/2018
Analysis Completion Date : 07/11/2018
Sample Lab Code : UT/ELS/C-036/11-2018
Ambient Air Temperature : 28.0 ^{0}C to 33.0 ^{0}C

Location Code : 03
Sample Location : Entrance Rental Building Complex (08meter off towards East direction)
Collected By : ULTRA-TECH
Height of Sampler : 1.0 Meter
Sampling Duration : 08 Hours
Relative Humidity : 56.0 % to 69.0 %

Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	Sulphur Dioxide (SO_2)	IS 5182 (Part 02) : 2001	13	µg/m³
2.	Oxides of Nitrogen (NO_x)	IS 5182 (Part 06) : 2006	23	µg/m³
3.	Particulate Matter (PM_{10})	EPA/625/R-96/010a Method IO-2.1	76	µg/m³
4.	Particulate Matter ($PM_{2.5}$)	UT/LQMS/SOP/AA05	43	µg/m³
5.	Carbon Monoxide (CO) †	IS 5182 (Part 10): 1999	1.1	mg/m³

†: Sampling Period 1 Hr.

Opinions / Interpretations: *National Ambient Air Quality Monitoring Standard, Part III- Section IV is provided as Annexure-I for your reference. (Turnover to find Annexure)..*

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

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5. Weather was Sunny during sampling period.

– END OF REPORT –

For ULTRA-TECH,

Dr. Rahul Kolhapurkar
(Authorized Signatory)

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ULTRA-TECH (TM)

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TEST REPORT

ISSUED TO: M/s. DIANA INFRASTRUCTURE LTD.
For Your Site : **"Indiabulls Greens – Phase II"**
Village : Kon Near NITCO Logistics, opp. Honda Godown,
Taluka Panvel, District –Raigad, Maharashtra – 410216.

REPORT NO. : UT/ELS/REPORT/2583/04-2019
ISSUE DATE : 26/04/2019
YOUR REF. : 3266003698
REF. DATE : 15/04/2019

SAMPLE PARTICULARS :
Sampling Plan Ref. No. : C-06/11-2018
Date of Monitoring : 02/11/2018 to 03/11/2018

NOISE LEVEL QUALITY MONITORING
Sample Lab Code : UT/ELS/C-037/11-2018
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	14:00 to 14:05	54.1	02:00 to 02:05	44.2
02.	Centre Of Site	14:10 to 14:15	53.2	02:10 to 02:15	43.5
03.	Entrance Of Rental Building Complex	14:20 to 14:25	52.8	02:20 to 02:25	43.7
04.	Near Gate No.2	14:30 to 14:35	53.6	02:30 to 02:35	42.6
05.	Near RMC Plant	14:40 to 14:45	53.4	02:40 to 02:45	42.4

Opinions / Interpretations: *The Noise Pollution (Regulation And Control) Rules, 2000: Is Provided as Annexure II for Your Reference.*
(Turnover to find Annexure).

Note:
1. Monitoring area coming under Residentail 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 – 09/10/2019

Note:
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ULTRA-TECH Gazetted by MoEF Govt. of India THANE (W) INDIA PIN-400 601 ENVIRONMENTAL CONSULTANTS & LABORATORY

For ULTRA-TECH,

Dr. Rahul Kolhapurkar
(Authorized Signatory)

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ULR -TC560019000001986P

ULTRA-TECH

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

ISO 9001 : 2015
OHSAS 18001 : 2007

Laboratory : G V Brothers Building, Bata Compound, Khopat, Near Flower Valley, Thane (West) - 400 601. Maharashtra, India
Tele : +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. DIANA INFRASTRUCTURE LTD.
For Your Site : **"Indiabulls Greens – Phase II"**
Village : Kon, Near NITCO Logistics, opp. Honda Godown,
TalukaPanvel, District –Raigad, Maharashtra – 410216.

REPORT NO. : UT/ELS/REPORT/2584/04-2019
ISSUE DATE : 26/04/2019
YOUR REF. : 3266003698
REF. DATE : 15/04/2019

SAMPLE PARTICULARS :

Sampling Plan Ref. No. : C-06/11-2018
Sample Registration Date : 03/11/2018
Date & Time of Sampling : 03/11/2018 at 11:30 Hrs
Analysis Starting Date : 05/11/2018
Analysis Completion Date : 19/11/2018
Sample Collected By : ULTRA-TECH
Sample Lab Code : UT/ELS/C-038/11-2018

WATER SAMPLE ANALYSIS

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

Sr. No.	Test Parameter	Test Method	Test Result	Unit
PHYSICAL PARAMETERS:-				
1.	Turbidity*	IS 3025 (Part 10) 1984	1.7	NTU
CHEMICAL PARAMETERS:-				
2.	pH	IS 3025 (Part 11) 1983	7.8	-
3.	Electrical Conductivity*	IS 3025 (Part 14) 1984	511	µS/cm
4.	Total Dissolved Solids	IS 3025 (Part 16) 1984	332	mg/L
5.	Total Hardness as $CaCO_3$	IS 3025 (Part 21) 2009	210	mg/L
6.	Total Alkalinity as $CaCO_3$	IS 3025 (Part 23) 1986	204	mg/L
7.	Phenolphthalein Alkalinity as $CaCO_3$	IS 3025 (Part 23) 1986	BDL[DL=1]	mg/L
8.	Sulphate as SO_4^{2-}	APHA 4500- SO_4^{2-} E	44	mg/L
9.	Phosphate as PO_4^{3-}*	APHA 4500 P E	BDL[DL=0.03]	mg/L
10.	Chlorides as Cl^-	IS 3025 (Part 32) 1988	43	mg/L
11.	Ammonical Nitrogen as NH_3-N	IS 3025 (Part 34) 1988	BDL [DL=0.1]	mg/L
12.	Nitrates as NO_3^-	IS 3025 (Part 34) 1988	2.97	mg/L
13.	Calcium Hardness as $CaCO_3$	IS 3025 (Part 40) 1991	110	mg/L
14.	Calcium as Ca	IS 3025 (Part 40) 1991	44	mg/L
15.	Potassium as K*	IS 3025 (Part 45) 1993	1.2	mg/L
16.	Sodium as Na*	IS 3025 (Part 45) 1993	30	mg/L
17.	Magnesium as Mg	IS 3025 (Part 46) 1994	24	mg/L
18.	Lead as Pb	IS 3025 (Part 47) 1994	BDL [DL=0.01]	mg/L
19.	Iron as Fe	IS 3025 (Part 53) 2003	BDL [DL=0.06]	mg/L
20.	Fluoride as F^-	APHA 4500-F^- D	0.3	mg/L
BACTERIOLOGICAL PARAMETERS:				
21.	Total Coliform*	IS 1622 : 1981	40	MPN/100 ml
22.	F.Coli*	IS 1622 : 1981	BDL[DL=2]	MPN/100 ml
23.	E.Coli*	IS 1622 : 1981	Absent	-

DL – Detection Limit **BDL – Below Detection Limit**

Opinions / Interpretations: *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 are not covered under NABL Scope.

– END OF REPORT –

For ULTRA-TECH

ULTRA-TECH ★ Gazetted by MoEF Govt. of India ★ THANE (W) INDIA PIN-400 601 ★ ENVIRONMENTAL CONSULTANCY & LABORATORY

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ULTRA-TECH (TM)

ULR -TC560019O00001987P

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TEST REPORT

ISSUED TO: M/s. DIANA INFRASTRUCTURE LTD.
For Your Site : **"Indiabulls Greens – Phase II"**
Village : Kon, Near NITCO Logistics, opp. Honda Godown,
TalukaPanvel, District –Raigad, Maharashtra – 410216.

REPORT NO. : UT/ELS/REPORT/2585/04-2019
ISSUE DATE : 26/04/2019
YOUR REF. : 3266003698
REF. DATE : 15/04/2019

SAMPLE PARTICULARS :

Sampling Plan Ref. No. : C-06/11-2018
Sample Registration Date : 03/11/2018
Date & Time of Sampling : 03/11/2018 at 12:00Hrs.
Analysis Starting Date : 05/11/2018
Analysis Completion Date : 20/11/2018
Sample Collected By : ULTRA-TECH
Sample Lab Code : UT/ELS/C-039/11-2018

SOIL QUALITY MONITORING

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

Sr. No.	Test Parameter	Test Methods	Test Result	Unit
1.	Colour*	-	Brown	-
2.	Moisture Content	IS:2720 (Part 2) : 1973	3.7	%
3.	Bulk Density	UT/LQMS/SOP/S03	1159	kg/m^3
4.	Organic Matter	IS:2720 (Part 22) : 1972	1.1	%
5.	Total Organic Carbon	IS:2720 (Part 22) : 1972	0.6	%
6.	pH	IS:2720 (Part 26) : 1987	7.6	-
7.	Conductivity(1:2soil:Water Extract)	IS:14767- 2000	0.347	mS/cm
8.	Salinity (1:2 soil: Water Extract)*	Calculated in terms of Total Dissolved Solids	215	mg/L
9.	Sodium as Na (Water Extractable)*	UT/LQMS/SOP/S19	64	mg/kg
10.	Magnesium as Mg (Water Extractable)*	UT/LQMS/SOP/S22	61	mg/kg
11.	Chlorides as Cl^- (Water Extractable)*	UT/LQMS/SOP/S23	81	mg/kg
12.	Sulphate as SO_4^{2-} (Water Extractable)*	UT/LQMS/SOP/S24	74	mg/kg
13.	Sodium Adsorption Ratio*	UT/LQMS/SOP/S26	1.6	$(meq/kg)^{1/2}$
14.	Cation Exchange Capacity	USEPA 846 9080	22.7	meq/100g
15.	Water Holding Capacity	ASTM- T7367-07	54.3	%
16.	Available Boron as B (Available)	UT/LQMS/SOP/S27	0.8	mg/kg
17.	Phosphorous as P_2O_5 (Available)	UT/LQMS/SOP/S28	78	kg/ha
18.	Potassium as K_2O (Available)	UT/LQMS/SOP/S29	148	kg/ha
19.	Nitrogen as N (Available)	UT/LQMS/SOP/S30	111	Kg/ha
20.	Iron as Fe	USEPA SW846 7380	59432	mg/kg
21.	Zinc as Zn	USEPA SW846 7950	92	mg/kg

BDL= Below Detection Limit DL= Detection Limit

Opinions / Interpretations: *NIL*

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For ULTRA-TECH

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