

TAPIR CONSTRUCTIONS LTD.

Date: 06.06.2018

To,

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

Sub : Six Month Compliance submission as per Terms & Conditions stipulated in Environmental Clearance for Proposed residential project at at S.No. 70/1p, 70/2A, 70/4p, 70/6p, 70/7p, 70/8p, 71/1/A/1, 71/2, 71/3A, 55,53/1, 511p, Pokhran road no.2, Panchpakhadi, Thane (W)

Ref. No. : Environment clearance letter no. Amended SEAC-II-2016/C.R.170/TC-1 dated on 29th March, 2017.

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 Amended SEAC-II-2016/C.R.170/TC-1 dated on 29th March, 2017 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. TAPIR CONSTRUCTIONS LTD.



Authorized Signatory



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

Copy to Regional Office, Mulund / Thane
Department of Environment Mantralaya, Mumbai
Regional office, CPCB Vadodara

भारतीय डाक



EM122563536IN IVR:6977122563536

SP JEKEGRAM S.O <400606>

Counter No:4, 13/06/2018, 11:18

To:MINI OF ENVIRONMENT, NAGPUR

PIN:440001, Nagpur GPO

From:ULTRA TECH LABS, THANE

Wt:302gms

Amt:70.80 (Cash) Tax:10.80

(Track on www.indiapost.gov.in)

Tapir Constructions Limited

Correspondence Add. Indiabulls Finance Centre, Tower-1, 16th Floor, S. B. Marg, Near Kamgar Stadium, Elphinstone Road Mumbai - 400 013.

Registered Office: M - 62 & 63, First Floor, Connaught Place, New Delhi, Delhi - 110001;

CIN No.U70200DL2014PLC267441

TAPIR CONSTRUCTIONS LTD.

Date: 06.06.2018

To,

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

Sub : Six Month Compliance submission as per Terms & Conditions stipulated in Environmental Clearance for Proposed residential project at at S.No. 70/1p, 70/2A, 70/4p, 70/6p, 70/7p, 70/8p, 71/1/A/1, 71/2, 71/3A, 55,53/1, 511p, Pokhran road no.2, Panchpakhadi, Thane (W)

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Copy to Regional Office, MoEF, Nagpur
Regional Office, Mulund / Thane
Regional Office, CPCB Vadodara

Marek
11-6-18
जा.स. वि.स.क.
पर्यावरण विभाग
मंत्रालय, मुंबई-४०००३२

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Registered Office: M - 62 & 63, First Floor, Connaught Place, New Delhi, Delhi - 110001;

CIN No.U70200DL2014PLC267441

TAPIR CONSTRUCTIONS LTD.

Date: 06.06.2018

To,
S.R.O. Thane-II,
Plot No. P - 30, 5th floor, Office Complex
Mulund Check naka, Thane.

Sub : Six Month Compliance submission as per Terms & Conditions stipulated in Environmental Clearance for Proposed residential project at at S.No. 70/1p, 70/2A, 70/4p, 70/6p, 70/7p, 70/8p, 71/1/A/1, 71/2, 71/3A, 55,53/1, 511p, Pokhran road no.2, Panchpakhadi, Thane (W)

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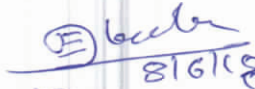
With warm regards,

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


३१/०६/१८
भारदेशिक कार्यालय
म.प्र.नि.मं.वणे
कार्यालयीन संकुल इमारत
वा मजला, मुलुड चेकनाक्याजवळ
मंगळे इस्टेट वॉने (प) ४०० ६०४

Tapir Constructions Limited

Correspondence Add. Indiabulls Finance Centre, Tower-1, 16th Floor, S. B. Marg, Near Ramgar Stadium, Elphinstone Road Mumbai - 400 013.

Registered Office: M - 62 & 63, First Floor, Connaught Place, New Delhi, Delhi - 110001;

CIN No.U70200DL2014PLC267441

TAPIR CONSTRUCTIONS LTD.

Date: 06.06.2018

To,

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

Sub : Six Month Compliance submission as per Terms & Conditions stipulated in Environmental Clearance for Proposed residential project at at S.No. 70/1p, 70/2A, 70/4p, 70/6p, 70/7p, 70/8p, 71/1/A/1, 71/2, 71/3A, 55,53/1, 511p, Pokhran road no.2, Panchpakhadi, Thane (W)

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Copy to Regional Office, MoEF, Nagpur
Regional Office, Mulund / Thane
Department of Environment, Mantralaya, Mumbai

Visit us at www.tapirconstructionsguy.com
<Dial 1800 266 6868>



EM122563540IN IVR:6977122563540
SP JEKEGRAM S.O <400606>
Counter No:4,13/06/2018,11:18
To:CENTRAL POLLUTION,VADODARA
PIN:390023, Subhanpura S.O
From:ULTRA TECH LABS,THANE
Wt:318gms
Amt:70.80(Cash)Tax:10.80
(Touch on www.indiapost.gov.in)

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Registered Office: M - 62 & 63, First Floor, Connaught Place, New Delhi, Delhi - 110001;

CIN No.U70200DL2014PLC267441

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Annexure – 06	Structural stability certificate
Annexure – 07	Advertisement copy

: PART A :

Current Status of Work

Current status of construction work	:	Construction is not yet started.
Date of commencement (Actual and/or planned)	:	Construction is not yet started.
Date of completion (Actual and/or planned)	:	March, 2023 (Planned)

: PART B :

Compliance status of conditions stipulated in environmental clearance for proposed residential project at S.No. 70/1p, 70/2A, 70/4p, 70/6p, 70/7p, 70/8p, 71/1/A/1, 71/2, 71/3A, 55,53/1, 511p, Pokhran road no. 2, Panchpakhadi, Thane (west), Thane by the Ministry in its clearance letter no. SEAC-II-2016/C.R.170/TC-1, dated : 29th March, 2017 are as follows:

Sr. No	Stipulated Conditions	Compliance Status
i	This prior environment clearance is restricted for approved BUA of 159820.16 Sq. m.	Noted.
ii	This environmental clearance is issued subject to land use verification. Local authority/ planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any. Judgments/orders issued by Hon'ble High Court, Hon'ble NGT, Hon'ble Supreme Court regarding DCR provisions, environmental issues applicable in this matter should be verified. If any discrepancy found in the plans submitted or details provided in the above para may be reported to environment department. 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.	Complied. All necessary permissions have been obtained from the competent authorities; ❖ Obtained Environmental clearance from SEIAA, Govt. of Maharashtra vide letter no. SEAC-II-2016/C.R.170/TC-1, dated: 29/03/2017 and attached as Annexure – 01. ❖ Obtained Fire NOC from Chief fire officer, TMC vide letter no. TMC/CFO/M-44/44, dated : 04/07/2017 and attached as Annexure – 02.
iii	E-waste shall be disposed through Authorized vendor as per E-waste (management and handling) Rules, 2016	Noted.
iv	The occupancy certificate shall be issued by the local planning authority to the project only after ensuring sustained availability of drinking water, connectivity of sewer line to the project and proper disposal of treated water as per environmental norms.	Agreed to comply with. ❖ Municipal water for drinking purpose and sewer line connection for disposal of treated sewage water will be provided prior to occupation.
v	The Environmental Clearance is issued subject to obtaining NOC from Forestry & Wildlife angle including clearance from the standing committee of the national board of wildlife as if applicable & this environment clearance does not necessarily implies that Forestry & Wildlife clearance granted to the project which will be considered separately on merit.	❖ NOC from Wild Life Board is Not Applicable as per final Notification reg. ESZ of SGNP published by MoEF & CC u/no. S.O.3645 (E), dated 05/12/2016 as our project site is not affected by the ESZ belt.

Sr. No	Stipulated Conditions	Compliance Status
vi	PP has to abide by the conditions stipulated by SEAC & SEIAA.	Agreed to comply with.
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. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.	Agreed to comply with. <ul style="list-style-type: none"> ❖ Height of the building will be as per the approved building plan. ❖ Project site is in residential zone as per DP remarks. ❖ Please refer Annexure – 03 for DP Remarks.
viii	“Consent for Establishment” shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment Department before start of any construction work at the site.	<ul style="list-style-type: none"> ❖ We are already applied to MPCB for Consent to establishment and the application is attached as Annexure – 04.
ix	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	Agreed to comply with. <ul style="list-style-type: none"> ❖ Construction work is not yet started. ❖ All necessary facility will be provided on site for the workers during construction phase. ❖ Site sanitation like safe & adequate Municipal water for drinking and tanker water for domestic purpose, toilets, bathrooms and periodical medical checkup facilities will be provided during construction. ❖ Proper housekeeping & regular pest control will be carried out.
i	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.	Agreed to comply with. <ul style="list-style-type: none"> ❖ Construction is not yet started. ❖ Proper housekeeping & regular pest control will be carried throughout construction. ❖ First Aid room will be provided for construction workers. ❖ Site sanitation like safe & adequate Municipal water for drinking and tanker water for domestic purpose, toilets, bathrooms and periodical medical checkup facilities have been provided during construction.

Sr. No	Stipulated Conditions	Compliance Status
ii	Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.	Agreed to comply with. <ul style="list-style-type: none"> ❖ Construction is not yet started. ❖ Proper housekeeping & regular pest control will be carried throughout construction. ❖ First Aid room will be provided for construction workers. ❖ Site sanitation like safe & adequate Municipal water for drinking and tanker water for domestic purpose, toilets, bathrooms and periodical medical checkup facilities have been provided during construction.
iii	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.	Agreed to comply with. <ul style="list-style-type: none"> ❖ Construction work is not yet started. ❖ Proper housekeeping & regular pest control will be carried out throughout construction. ❖ Provision will be made for a temporary room within the project site for collection, segregation and storage of biodegradable & non-biodegradable waste. ❖ The biodegradable waste will be treated in an Organic Waste Converter (OWC) and the Non-biodegradable waste will be handed over to local solid waste management facility for further treatment on daily basis.
iv	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority	Agreed to comply with. <ul style="list-style-type: none"> ❖ Debris and excavated material shall be disposed to authorized site with prior permission from Thane Municipal Corporation.
v	Arrangement shall be made that waste water and storm water do not get mixed.	Agreed to comply with. <ul style="list-style-type: none"> ❖ Arrangement will be made of channelization of storm water from site by using proper internal SWD system and discharge points of having adequate capacity.

Sr. No	Stipulated Conditions	Compliance Status
vi	All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.	Agreed to comply with. ❖ Top soil will be used in landscape development.
vii	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.	Agreed to comply with.
viii	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agricultural Dept.	Agreed to comply with. Various varieties of trees will be planted in RG area of 6,116.85 Sq. meters.
ix	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.	Agreed to comply with. ❖ Construction work is not yet started. ❖ Soil is tested and the monitoring report for Soil is attached as Annexure – 05.
x	Construction spoils including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such materials must be secured so that they should not leach in to the ground water.	❖ No hazardous waste generation during construction phase.
xi	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.
xii	The diesel generator sets to be used during construction phase should be of low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.	❖ No DG set is being used for construction purpose.
xiii	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.	No DG set is being used for construction purpose.
xiv	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.	Agreed to comply with. ❖ Construction work is not yet started hence PUC certificates are not provided.

Sr. No	Stipulated Conditions	Compliance Status
xv	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.	Agreed to comply with. ❖ During construction adequate measures will be taken to maintain ambient air and noise quality within the prescribed limits. ❖ Ambient air and noise levels will be monitor during the construction phase. ❖ Please refer Annexure – 5 for Monitoring reports.
xvi	Fly ash should be used as building material in the construction as per the provisions of Fly ash Notification of September 1999 and amended as on 27 th August, 2003. (The above condition is applicable only if the project sites located within the 100 Km of Thermal Power Stations).	Complied Fly ash along with cement, metals & River Cruss and sand are being used.
xvii	Ready mixed concrete must be used in building construction.	Complied. Ready mixed concrete is used in building construction.
xviii	The approval of the competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of firefighting equipments, etc as per National Building Code including measures from lighting.	Complied. Structural stability : ❖ Mr. Achyut Watve, (Consulting Structural Engineer certified the structural stability of the building vide letter no. TCN/15-1044/2017-2018/1063, dated : 11/08/2017. ❖ Please refer Annexure – 6 for Structural stability certificate. Fire NOC : ❖ Fire NOC from Chief fire officer (CFO), TMC vide letter no. TMC/CFO/M-44/44, dated: 04/07/2017. ❖ Please refer Annexure – 2 for Fire NOC.
xix	Storm water control and its re-use as per CGWB and BIS standards for various applications.	Agreed to comply with.
xx	Water demand during construction should be reduced by use of pre mixed concrete, curing agents and other best practices referred.	Ready mixed concrete and curing agents are being used.

Sr. No	Stipulated Conditions	Compliance Status
xxi	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.
xxii	The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treatment of 100 % gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.	Agreed to comply with. ❖ Suitable capacity of Sewage Treatment Plant will be provided for Residential building. ❖ Treated sewage will be reused for flushing & gardening purpose.
xxiii	Permission to draw ground water and construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.	❖ Construction work is not yet started. ❖ Ground water has been not used during construction and operation phase hence permission from CGWA is not required.
xxiv	Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.	Agreed to comply with. Dual plumbing system will be provided for buildings for using the treated wastewater for flushing and gardening.
xxv	Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.	Agreed to comply with. Low flow fixtures will be used for toilets, drinking water and showers.
xxvi	Use of glass may be reduced to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.	Agreed to comply with. Glass is used only for windows.
xxvii	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.	Agreed to comply with. ❖ We will use appropriate thermal insulation material to fulfill the prescriptive requirement as per energy conservation building code.

Sr. No	Stipulated Conditions	Compliance Status
xxviii	Energy conservation measures like installation of CFLs/TFLs for lighting the area outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/ sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible like installing solar street lights, common solar water heater system. Project proponent should install, after checking feasibility, solar plus hybrid non conventional energy as source as a source of energy.	<p>Energy conservation measures is as follows;</p> <ul style="list-style-type: none"> ❖ Car parking level lights- Providing T5 Lamps instead of T8 florescent lamps ❖ Staircase lights- Providing T5 Lamps instead of T8 florescent lamps ❖ Solar hot water- providing solar hot water for top five floor apartments. ❖ Garden area lighting road- providing LED lamps instead of T8 fluorescent lamps and Providing street lighting on solar ❖ Usage of energy efficient Lifts (VVVF Non gear lifts)- energy efficiency of VVVF motors 5% more than conventional lifts. ❖ Ventilation load x Operational Hours x Days x usage factor with energy efficient motors and co sensors (6 hours as peak + 10 mins every hour) ❖ PHE load x Operational Hours x days x usage factor
xxix	Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of DG sets may be decided with in consultation with Maharashtra Pollution Control Board.	<p>Agreed to comply with.</p> <ul style="list-style-type: none"> ❖ CPCB approved enclosed type D.G. sets with proper stack height will only be used in case of power failure.
xxx	Noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.	<p>Agreed to comply with.</p> <ul style="list-style-type: none"> ❖ Landscape development will be carried out to mitigate noise pollution and to maintain noise levels within permissible standards. ❖ Also the proposed DG sets will be acoustic enclose type. ❖ Please refer Annexure – 5 for Noise monitoring reports.

Sr. No	Stipulated Conditions	Compliance Status
xxxii	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.	Agreed to comply with. <ul style="list-style-type: none"> ❖ Public road and public areas will not be used for project activity purpose and are free for smooth traffic movement. ❖ Provision will be made for adequate parking facilities within the project complex. ❖ Parking area of 88606 Sq. mt. will be provided.
xxxiii	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspirational for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.	Agreed to comply with.
xxxiv	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	Agreed to comply with. <ul style="list-style-type: none"> ❖ Adequate distance will be provided between two buildings to allow movement of fresh air and passage of natural light, air and ventilation.
xxxv	Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.	Agreed to comply with. <p>Regular supervision of the above measures is being monitored by competent person.</p>
xxxvi	Under the provision of the Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it is found that construction of the project has been started without obtaining environmental clearance.	Complied. <ul style="list-style-type: none"> ❖ Obtained Environmental clearance from SEIAA, Govt. of Maharashtra vide letter no. SEAC-II-2016/C.R.170/TC-1, dated: 29/03/2017 and attached as Annexure – 01.
xxxvii	Six monthly monitoring reports should be submitted to the Regional office MoEF, Nagpur with copy to the department and MPCB.	Complied. <ul style="list-style-type: none"> ❖ Submitted six monthly compliance reports regularly since the grant of EC.

Sr. No	Stipulated Conditions	Compliance Status
i	<p>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.</p> <p>2. Prior certification from appropriate authority shall be obtained.</p>	<p>Agreed to comply with.</p> <ul style="list-style-type: none"> ❖ STP of capacity 690 KLD will be provided for the project. ❖ OWC for treatment of 1,131 Kgs/day biodegradable wastes will be provided during operation phase. ❖ 1,697 Kgs/day non-biodegradable wastes will be sorted into recycled and non-recycled waste and handed over to Thane Municipal Corporation on daily basis. ❖ RG area shall be developed over an area of 6,116.85 Sq. meters.
ii	<p>Wet Garbage should be treated by composting method 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.</p>	<p>Agreed to comply with.</p> <ul style="list-style-type: none"> ❖ The biodegradable waste will be treated in an Organic Waste Converter and the Non-biodegradable waste will be handed over to local solid waste management facility for further treatment on daily basis. ❖ Further, treated compost will be used in gardening.
iii	<p>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>	<p>Agreed to comply with.</p>
iv	<p>A complete set of all documents submitted to Department should be forwarded to Local authority and MPCB.</p>	<p>Complied.</p> <p>A complete set of all the documents has been submitted to MPCB with the consent to establish application.</p>
v	<p>Separate funds shall be allocated for implementation of environmental protection measures/EMP along with time-wise break-ups. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purpose and year-wise expenditure should reported to the MPCB & this department.</p>	<p>Agreed to comply with.</p> <p>During construction phase :</p> <p>Rs. 1626.2 Lakhs are allocated for the entire construction period.</p> <p>During operation phase :</p> <p>O & M cost : Rs. 64.20 Lakhs per annum.</p>

Sr. No	Stipulated Conditions	Compliance Status
vi	In case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.	Agreed to comply with.
vii	A separate environment management cell with qualified staff shall be set up for implementation of stipulated environment safeguards.	Agreed to comply with.
viii	The project management shall advertise at least two local newspapers widely circulated in the region around the project, one of which shall be in Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in	Complied. <ul style="list-style-type: none"> ❖ After getting Environmental clearance from SEIAA, Maharashtra, we published public notice in local newspapers. ❖ Please refer Annexure – 7 for Advertisement copy.
ix	Project management should submit half yearly compliance reports in respect of the stipulated prior environmental clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1 st June & 1 st December of each calendar year.	Complied. <ul style="list-style-type: none"> ❖ Six monthly compliance reports regularly submitted as per the stipulated EC conditions to Regional office ❖ MPCB, Thane. ❖ MoEF & CC, Nagpur. ❖ Environmental department Mantralaya and CPCB, Vadodara.
x	A copy of the clearance letter shall be sent by the proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggested/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	Noted.
xi	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Agreed to comply with.

Sr. No	Stipulated Conditions	Compliance Status
xii	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	Complied. <ul style="list-style-type: none"> ❖ Six monthly compliance reports regularly submitted as per the stipulated EC conditions to Regional office ❖ MPCB, Thane. ❖ MoEF & CC, Nagpur. ❖ Environmental department Mantralaya and CPCB, Vadodara.
xiii	The environmental statement of each financial year ending with 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	❖ Environmental statement will be submitted.
4	The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.	Agreed to comply with.
5	In case of submission of false document and non compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environmental Clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.	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 Environment 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 th April, 2015.

Sr. No	Stipulated Conditions	Compliance Status
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 – 110022, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act,2010	Noted.

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

Monitoring Report

DATA SHEET

1.	Project type: River - valley/ Mining / Industry / Thermal / Nuclear / Other (specify)		:	Residential Project (TDR Housing Scheme)
2.	Name of the project		:	Tapir Constructions Ltd.
3.	Clearance letter (s) / OM No and Date		:	SEAC-II-2016/C.R.170/TC-1, Dated : 29 th March, 2017.
4.	Location		:	
	a.	District (s)	:	Thane
	b.	State (s)	:	Maharashtra
	c.	Latitude/ Longitude	:	Latitude : 19.1955° N Longitude: 72.9652° E
5.	Address for correspondence		:	Tapir Construction Ltd. Sr. No. 70 1/P, 70/2A, 70/4p, 70/6p-70/8p, 70/9B, 71/1/A/1, 71/2, 71/3A, 55, 53/1, 511p, Pokharan road no. 2, Panchpakhadi, Thane (west), Thane.
	a.	Address of Concerned Project Chief Engineer (with pin code & Telephone/ telex/ fax numbers	:	Mr. Vishal Damani, (Joint Manager Director 16 th floor, Indiabulls Finance center, Elphinstone Mills compound, 612, Senapati Bapat Marg, Elphinstone, Mumbai – 400 013. Mob no. 9987 795514 Email ID: vdamani@indiabulls.com
	b.	Address of Executive Project: Engineer/Manager (with pincode/ Fax numbers)	:	Mr. Arvind Vishwakarma 16 th floor, Indiabulls Finance center, Elphinstone Mills compound, 612, Senapati Bapat Marg, Elphinstone, Mumbai – 400 013. Mob No. 90040 57015.

6.	Salient features		
	a.	of the project	: ❖ Sale building no.1: 3 wings (2B+LG+UG+30 floors) ❖ Sale building no.2: 3 wings (2B+LG+UG+30 floors) ❖ Sale building no.3: 2 wings (2B+LG+UG+30 floors)
	b.	of the environmental management plans	: Expenditure on Environmental Management: During construction phase : Setting-up cost : Rs. 1626.2 lakhs Expenditure on Environmental Management During operation phase : O & M cost : Rs. 64.20 lakhs per annum.
7.	Breakup of the project area		
	a.	submergence area forest & non-forest	: Not applicable
	b.	Others	: ❖ FSI area : 66,621.23 Sq. meters ❖ Non-FSI area : 93,198.93 Sq. meters. ❖ Total BUA area : 1,59,820.16 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 labourers/artisan		: Not applicable
	a.	SC, ST/Adivasis	: Not applicable
	b.	Others (Please indicate whether these Figures are based on any scientific And systematic survey carried out Or only provisional figures, it a Survey is carried out give details And years of survey)	: Not applicable
9.	Financial details		
	a.	Project cost as originally planned and subsequent revised estimates and the year of price reference :	
	1.	Total Cost of the Project	: Rs. 546 Cr.
	b.	Allocation made for environmental management plans with item wise and year wise Break-up.	: Expenditure on Environmental Management: During construction phase : Setting-up cost : Rs. 1626.2 lakhs Expenditure on Environmental Management During operation phase : O & M cost : Rs. 64.20 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	:	Construction work is not yet started.
	f.	Actual expenditure incurred on the environmental management plans so far	:	Construction work is not yet started.
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		:	Construction is not yet started.
	a.	Date of commencement (Actual and/or planned)	:	Construction is not yet started.
	b.	Date of completion (Actual and/or planned)	:	March, 2023 (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	:	Not Applicable.
	b.	Date of site visit for this monitoring report	:	Not Applicable.
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.)		:	Not Applicable.

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

TEST REPORT

ISSUED TO: M/s. TAPIR CONSTRUCTIONS LIMITED

For Your Site: "TCL Thane Voltas Project"

S. No. 70/1P, 70/2A, 70/4P, 70/6P, 70/7P, 70/8P, 70/9B, 71/1A, 71/2, 71/3A, 55, 53/1, Village Pachpakhadi, Pokharan Rad No. 2, Thane (West)

REPORT NO. : UT/ELS/REPORT/C-119/11-2017

ISSUE DATE : 24/11/2017

YOUR REF. : 3566100087

REF. DATE : 15/07/2017

SAMPLE PARTICULARS :

Sampling Plan Ref. No.: : C-05/09-2017
Sample Registration Date : 21/09/2017
Date of Sampling : 19/09/2017
Time of Sampling : 12:30 Hrs. to 20:30 Hrs.
Analysis Starting Date : 21/09/2017
Analysis Completion Date : 22/09/2017
Sample Lab Code : UT/ELS/C-022/09-2017
Ambient Air Temperature : 28.5 °C to 34.2 °C

AMBIENT AIR QUALITY MONITORING

Location Code : 01
Sample Location : Near Main Gate of Project Site
(12 Meter Off towards East Direction)
Collected By : ULTRA-TECH
Height of Sampler : 1.0 Meter
Sampling Duration : 08 Hours
Relative Humidity : 50.1 % to 76.2 %

Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	Sulphur Dioxide (SO ₂)	IS 5182 (Part 02) : 2001	16	µg/m ³
2.	Oxides of Nitrogen (NO _x)	IS 5182 (Part 06) : 2006	27	µg/m ³
3.	Particulate Matter (PM ₁₀)	EPA/625/R-96/010a Method IO-2.1	81	µg/m ³
4.	Particulate Matter (PM _{2.5})	UT/LQMS/SOP/AA05	35	µg/m ³
5.	Carbon Monoxide (CO) †	IS 5182 (Part 10): 1999	1.7	mg/m ³

†: Sampling Period 1 Hr.

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

Sampling Equipment Details	Instrument Used	Make & Model	Calibration Status
	Respirable Dust Sampler	Make - ENVIROTECH; Model -APM460BL; Sr. No. 853-DTD-2007	Valid up to - 01/01/2018
	Fine Dust Sampler	Make - ENVIROTECH; Model-APM 550; Sr. No. 488-DTJ-2010	Valid up to - 01/01/2018

Note:

1. This test report refers only to the sample tested.
2. Monitoring area coming under Residential & Other 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 Rainy and Cloudy throughout monitoring period.

- END OF REPORT -



For ULTRA-TECH,

Dr. Rahul Kolhapurkar
(Authorized Signatory)

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

TEST REPORT

ISSUED TO: M/s. TAPIR CONSTRUCTIONS LIMITED

For Your Site: "TCL Thane Voltas Project"

S. No. 70/1P, 70/2A, 70/4P, 70/6P, 70/7P, 70/8P, 70/9B, 71/1A, 71/2, 71/3A, 55, 53/1, Village Pachpakhadi, Pokharan Rad No. 2, Thane (West)

REPORT NO. : UT/ELS/REPORT/C-120/11-2017

ISSUE DATE : 24/11/2017

YOUR REF. : 3566100087

REF. DATE : 15/07/2017

SAMPLE PARTICULARS :

Sampling Plan Ref. No.: C-05/09-2017
Sample Registration Date : 21/09/2017
Date of Sampling : 19/09/2017 to 20/09/2017
Time of Sampling : 21:00 Hrs. to 05:00 Hrs.
Analysis Starting Date : 21/09/2017
Analysis Completion Date : 22/09/2017
Sample Lab Code : UT/ELS/C-023/09-2017
Ambient Air Temperature : 26.2 °C to 29.8 °C

AMBIENT AIR QUALITY MONITORING

Location Code : 02
Sample Location : Near Gate No.02 of Project Site
(25 Meter Off towards East Direction)
Collected By : ULTRA-TECH
Height of Sampler : 1.0 Meter
Sampling Duration : 8 Hours
Relative Humidity : 62.8 % to 79.3 %

Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	Sulphur Dioxide (SO ₂)	IS 5182 (Part 02) : 2001	15	µg/m ³
2.	Oxides of Nitrogen (NO _x)	IS 5182 (Part 06) : 2006	25	µg/m ³
3.	Particulate Matter (PM ₁₀)	EPA/625/R-96/010a Method IO-2.1	76	µg/m ³
4.	Particulate Matter (PM _{2.5})	UT/LQMS/SOP/AA05	29	µg/m ³
5.	Carbon Monoxide (CO)†	IS 5182 (Part 10): 1999	1.2	mg/m ³

†: Sampling Period 1 Hr.

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

Sampling Equipment Details	Instrument Used	Make & Model	Calibration Status
	Respirable Dust Sampler	Make - ENVIROTECH; Model - APM460BL; Sr. No. 853-DTD-2007	Valid up to - 01/01/2018
	Fine Dust Sampler	Make - ENVIROTECH; Model - APM 550; Sr. No. 488-DTJ-2010	Valid up to - 01/01/2018

Note:

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5. Weather was Rainy and Cloudy throughout monitoring period.

- END OF REPORT -



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**TEST REPORT****ISSUED TO: M/s. TAPIR CONSTRUCTIONS LIMITED****REPORT NO. :** UT/ELS/REPORT/C-121/11-2017**For Your Site: "TCL Thane Voltas Project"****ISSUE DATE :** 24/11/2017**S. No. 70/1P, 70/2A, 70/4P, 70/6P, 70/7P, 70/8P, 70/9B, 71/1A, 71/2, 71/3A, 55, 53/1, Village Pachpakhadi, Pokharan Rad No. 2, Thane (West)****YOUR REF. :** 3566100087**REF. DATE :** 15/07/2017**SAMPLE PARTICULARS :****AMBIENT AIR QUALITY MONITORING****Sampling Plan Ref. No.:** C-05/09-2017
Sample Registration Date : 21/09/2017
Date of Sampling : 20/09/2017
Time of Sampling : 05:30 Hrs. to 13:30 Hrs.
Analysis Starting Date : 21/09/2017
Analysis Completion Date : 22/09/2017
Sample Lab Code : UT/ELS/C-024/09-2017
Ambient Air Temperature : 29.5 °C to 32.8 °C**Location Code :** 03
Sample Location : Near Eastern Boundary of Project Site
(05 meters off Towards West Direction
from Eastern Boundary of Project)
Collected By : ULTRA-TECH
Height of Sampler : 1.0 Meter
Sampling Duration : 08 Hours
Relative Humidity : 49.1 % to 67.2 %

Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	Sulphur Dioxide (SO ₂)	IS 5182 (Part 02) : 2001	14	µg/m ³
2.	Oxides of Nitrogen (NO _x)	IS 5182 (Part 06) : 2006	27	µg/m ³
3.	Particulate Matter (PM ₁₀)	EPA/625/R-96/010a Method IO-2.1	75	µg/m ³
4.	Particulate Matter (PM _{2.5})	UT/LQMS/SOP/AA05	25	µg/m ³
5.	Carbon Monoxide (CO) †	IS 5182 (Part 10): 1999	1.3	mg/m ³

†: Sampling Period 1 Hr.

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

Sampling Equipment Details	Instrument Used	Make & Model	Calibration Status
	Respirable Dust Sampler	Make - ENVIROTECH; Model -APM460BL; Sr. No. 853-DTD-2007	Valid up to - 01/01/2018
	Fine Dust Sampler	Make - ENVIROTECH; Model-APM 550; Sr. No. 488-DTJ-2010	Valid up to - 01/01/2018

Note:
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5. Weather was Rainy and Cloudy throughout monitoring period.**- END OF REPORT -**

For ULTRA-TECH,

Dr. Ranul Kolhapurkar
(Authorized Signatory)

ENCLOSURE-I

NATIONAL AMBIENT AIR QUALITY STANDARDS, PART III-SECTION IV

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

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

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

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

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



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TEST REPORT

ISSUED TO: M/s. TAPIR CONSTRUCTIONS LIMITED

For Your Site: "TCL Thane Voltas Project"

S. No. 70/1P, 70/2A, 70/4P, 70/6P, 70/7P, 70/8P, 70/9B, 71/1A, 71/2, 71/3A, 55, 53/1, Village Pachpakhadi, Pokharan Rad No. 2, Thane (West)

REPORT NO. : UT/ELS/REPORT/C-122/11-2017

ISSUE DATE : 24/11/2017

YOUR REF. : 3566100087

REF. DATE : 15/07/2017

SAMPLE PARTICULARS :

Sampling Plan Ref. No. : C-05/09-2017

Date of Monitoring : 20/09/2017

NOISE LEVEL QUALITY MONITORING

Sample Lab Code : UT/ELS/C-025/09-2017

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 of Project Site	12:20 to 12:25	66.1	23:00 to 23:05	44.2
02.	Near Gate No. 2 of Project Site	12:35 to 12:40	63.8	23:15 to 23:20	43.7
03.	Near Eastern Boundary of Project Site	12:50 to 12:55	63.1	23:30 to 23:35	43.1

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

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

Sampling Equipment Details	Instrument Used	Make & Model	Calibration Status
	Sound Level Meter	Make - OPTEL; Model - dB METER; Sr. no. 6N-91	Valid up to - 30/09/2017

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,

[Signature]
Dr. Rahul Kolhapurkar
(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.

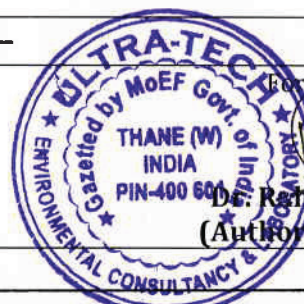


Laboratory : G. V. Brothers Building, Bata Compound, Khopat, Near Flower Valley, Thane (West) - 400 601, Maharashtra, India
Telefax : +91 22 2547 49 07 / +91 22 2547 62 17 **Email :** lab@ultratech.in**TEST REPORT****ISSUED TO: M/s. TAPIR CONSTRUCTIONS LIMITED****REPORT NO. :** UT/ELS/REPORT/C-123/11-2017**For Your Site: "TCL Thane Voltas Project"****ISSUE DATE :** 24/11/2017**S. No. 70/1P, 70/2A, 70/4P, 70/6P, 70/7P, 70/8P, 70/9B, 71/1A, 71/2, 71/3A, 55, YOUR REF. :** 3566100087**53/1, Village Pachpakhadi, Pokharan Rad No. 2, Thane (West)****REF. DATE :** 15/07/2017**SAMPLE PARTICULARS****SOIL QUALITY MONITORING****Sampling Plan Ref. No. :** C-05/09-2017**Sample Type :** Surface Soil (at 15cm depth)**Sample Registration Date :** 21/09/2017**Sample Location :** Project Site Main gate**Date & Time of Sampling :** 20/09/2017 at 14:30 Hrs.**Analysis Starting Date :** 21/09/2017**Analysis Completion Date :** 29/09/2017**Sample Quantity :** 1kg In Plastic Bag Contained in Zip Lock Bag**Sample Collected By :** ULTRA-TECH**Sample Lab Code :** UT/ELS/C-026/09-2017

Sr. No.	Test Parameter	Test Methods	Test Result	Unit
1.	Colour*	-	Brown	-
2.	Moisture Content	IS:2720 (Part 2) : 1973	11.5	%
3.	Bulk Density	UT/LQMS/SOP/S03	1169	kg/m ³
4.	Organic Matter	IS:2720 (Part 22) : 1972	0.5	%
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	0.333	mS/cm
8.	Salinity (1:2 soil: Water Extract)*	Calculated in terms of Total Dissolved Solids	206	mg/L
9.	Sodium as Na (Water Extractable)*	UT/LQMS/SOP/S19	71	mg/kg
10.	Magnesium as Mg (Water Extractable)*	UT/LQMS/SOP/S22	40	mg/kg
11.	Chlorides as Cl- (Water Extractable)*	UT/LQMS/SOP/S23	126	mg/kg
12.	Sulphate as SO ₄ ²⁻ (Water Extractable)*	UT/LQMS/SOP/S24	121	mg/kg
13.	Sodium Adsorption Ratio*	UT/LQMS/SOP/S26	0.5	(meq/kg) ^{1/2}
14.	Cation Exchange Capacity	UT/LQMS/SOP/S18	24.8	meq/100g
15.	Water Holding Capacity	UT/LQMS/SOP/S12	59.7	%
16.	Available Boron as B (Available)	UT/LQMS/SOP/S27	1.8	mg/kg
17.	Phosphorous as P ₂ O ₅ (Available)	UT/LQMS/SOP/S28	111	kg/ha
18.	Potassium as K ₂ O (Available)	UT/LQMS/SOP/S29	541	kg/ha
19.	Nitrogen as N (Available)	UT/LQMS/SOP/S30	212	Kg/ha
20.	Iron as Fe	UT/LQMS/SOP/S35 & 37	79578	mg/kg
21.	Zinc as Zn	UT/LQMS/SOP/S35 & 37	65	mg/kg

Opinions / Interpretations: NIL

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

- END OF REPORT -For **ULTRA-TECH****Dr. Rahul Kolhapurkar**
(Authorized Signatory)