



## Manikchand Kumar Properties

CORRESPONDENCE ADDRESS: KUNAR CAPITAL, 2410, EAST STREET, CAMP, PUNE: 411001 TEL.: 30528888, 30589663  
FAX: 91-2026352365

Date: 30/12/2017

To,  
**The Additional Director (S),**  
Ministry of Environment and Forest and Climate Change  
Regional Office (WCZ), Ground Floor,  
East Wing, New Secretariat Building,  
Civil Line, Nagpur, Maharashtra-440001.

**Sub:** Submission of Environmental Clearance compliance Report (April-2017 to September-2017) for construction of "Residential Complex" at Huledi, Tal Havell, District Puno, State Maharashtra.

**Ref:** No. 21-221/2007-IA.III

Respected Sir,

With reference to the above subject we are submitting the Current Status of our construction work, monitoring reports, data sheet and Point wise compliance status to various stipulations laid down by the State Level Environment Impact Assessment Authority, Maharashtra in its clearance letter No. 21-221/2007-IA.III along with the necessary enclosure and annexure.

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

Thanking you,

Yours Sincerely,

**FOR MANIKCHAND KUMAR PROPERTIES**

**Authorized Signatory**

**Encl:**

- Part A: Current Status of Construction Work
- Part B: Point wise compliance status
- Part C: Enclosures
- Part D: Annexures
- Part E: CD

A copy Forwarded to Maharashtra Pollution Control Board.





## Manikchand Kumar Properties

CORRESPONDENCE ADDRESS: KUMAR CAPITAL, 2413, EAST STREET, CAMP, PUNE: 411001 TEL: 30528888, 30583663  
FAX: 91-2026353365

Date: 01.12.2017

To,  
The Member Secretary,  
Maharashtra Pollution Control Board,  
Kalpataru Point, 2/3/4<sup>th</sup> Floor,  
Sion Matunga Scheme, Road No 8,  
Opp. Sion Circle, Sion (East),  
Mumbai- 400022.

**Sub:** Submission of Environmental Clearance compliance Report (April-2017 to September-2017) for construction of "Residential Complex" at Undri, Tal Haveli, District-Pune, State- Maharashtra.

**Ref:** No. 21-221/2007-IA.III

Respected Sir,

With reference to the above subject we are submitting the Current Status of our construction work, monitoring reports, data sheet and Point wise compliance status to various stipulations laid down by the State Level Environment Impact Assessment Authority, Maharashtra in its clearance letter No. 21-221/2007-IA.III along with the necessary enclosure and annexure.

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FOR MANIKCHAND KUMAR PROPERTIES

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- Part A: Current Status of Construction Work
- Part B: Point wise compliance status
- Part C: Enclosures
- Part D: Annexures
- Part E: CD

A copy Forwarded to Maharashtra Pollution Control Board.

Maharashtra Pollution Control Board  
Kalpataru Point, 2/3/4 Floor,  
Opp. Cine Planet, Near Sion Circle,  
Sion (East), Mumbai - 400 022.

## PART A

## CURRENT STATUS OF WORK

No of Buildings	Status	Status of the Environmental Management Facilities
22 buildings	A1: Completed (O.C. Granted ) A2: Completed (O.C. Granted ) A3 : Completed (O.C. Granted ) A4 : Completed (O.C. Granted )  B1 building work Completed. B2 : 1 <sup>st</sup> Slab completed B4 buildings work internal work is in progress.	➤ 100 m <sup>3</sup> /day and 80m <sup>3</sup> /day capacity of STP provided. ➤ Use of solar power for water heating. ➤ Rain water harvesting : On site one harvesting pit provided. On site we are recharging total one rain water harvesting pit and two bore well as well as one dug well

## :PART B:

2. **Point wise compliance status to various stipulations laid down by the Ministry in its clearance letter No. 221/2007-IA.III are as follows:**

Sr. No	Condition	Status
<b>Construction phase:</b>		
(i)	Consent for establishment shall be obtained from the State Pollution Control Board/ Pollution Control Committee under Air and water Act and a copy of the same shall be submitted to the ministry before start of any construction work at site	Consent to Establishment No.: BO/RO (P&P)/EIC No. 4045-09/E/CC-291. Please refer the <b>Enclosure-III.</b>
(ii)	For disinfection of waste water ultra violet radiation shall be used in place of chlorination.	Sewage treatment plant is designed as per the guidelines.
(iii)	Vehicles hired for construction activities should be operated only during non peak hours.	Construction vehicles are allowed during early morning hours or late evening hours when traffic in the area is less. (7.30 pm to 5.30 am).
(iv)	All the top soil excavated during construction activities should be stored or use in horticulture /landscape developments within the project site.	<ul style="list-style-type: none"> <li>➤ 4964 Cum soil top soil utilized for the landscape development.</li> <li>➤ Excavated top soil and construction waste is used for leveling within project site.</li> </ul>
(v)	Ready mixed concrete shall be used in building construction.	We are using as possible as ready mixed concrete in building construction.
(vi)	Water demand during construction shall be reduced by use of pre mixed concrete, curing agents, and other best practices.	We are not using ready mixed concrete.
(vii)	Permission to draw ground water shall be obtained from competent authority prior to construction/operation of the project.	We are not used ground water.
(viii)	Separation of gray and black water should be done by the use of duel plumbing line. Treatment of 100% gray water by	Separation of gray and black water should be done by the use of duel plumbing line and 100%

Sr. No	Condition	Status
	decentralized treatment should be done.	gray water and black water treatment has been done.
(ix)	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.	We are used for fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators.
(x)	Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.	Use of glass less than 40%
(xi)	Roof should meet the prescriptive requirement as per energy conservation building code by using appropriate thermal insulation material to fulfill requirement.	We are provided appropriate thermal insulation by using paints, providing solar water system for existing and proposed buildings. Considered.
xii	Opaque wall should meet prescriptive requirement as per energy conservation building code which is proposed to be mandatory for all air conditioned spaces while it is aspiration for non air conditioned spaces by use of appropriate thermal insulation to fulfill requirement.	Considered.
xiii	Storm water control and its reuse should be as per Central Ground Water Board and BIS standards for various applications.	Storm water is recharged in 01 recharge pits
xiv	Necessary approval of competent authority of state forest department shall be obtained before starting construction.	Not applicable
xv	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	<ul style="list-style-type: none"> <li>➤ No labor camps on project site</li> <li>➤ We have provided 12 Toilets are provided at site</li> </ul>
xvi	Soil and ground water sample will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.	Soil analysis report enclosed. Please refer the <b>Annexure no.1.</b>
xvii	A First-Aid Room will be provided at the project site during construction and operation	Properly maintained & Equipped First-Aid Room provided on site.

Sr. No	Condition	Status
	of the project.	
xviii	Adequate drinking water & sanitary facilities should be provided for construction workers at the site. The safe disposal of waste water & solid waste generated during the construction phase should be ensured.	<ul style="list-style-type: none"> <li>➤ Yes, Regular supply of Drinking water is made available at site and (12 nos) toilets are provided at site for workers.</li> <li>➤ Solid waste generated is collected separately for dry &amp; wet waste &amp; handed over to authorized vendor</li> </ul>
xix	Disposal of muck including excavated material during construction phase should not create any adverse effects on the neighboring community & disposed off taking the necessary precautions for general safety and health aspects of people.	Excavated material and construction waste is used for leveling within project site.
xx	Diesel power generating sets used during construction phase should be of enclosed type to prevent noise and should conform to rules made under Environment (Protection) Act, 1986, prescribed for Air and Noise emission standards.	DG set (2 nos. of 62.5 KVA and 125 KVA capacity) are with acoustic canopy & confirming the rules made under the Environment (Protection) Act 1986.
xxi	Ambient noise levels should conform to standards both during day and night when measured wall of the premises. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase.	Ambient air and noise Monitoring report enclosed. Please refer the <b>Annexure 1</b> .
xxii	The construction agencies shall use fly ash based material products as per the provision of Fly Ash Notification of 14 September 1999 and amended as on 27 <sup>th</sup> August, 2003.	Yes, we are using Fly ash for building material for the construction
xxiii	Vehicles hired for bringing construction material to the sites should be in good condition and should have pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peaking hours.	Standard of construction vehicles are checked regularly including PUC certificate. PUC certificate is submitted in previous report.
xxiv	Construction spoils, including bituminous material and other hazardous material must not be allowed to contaminate watercourses	We are collected bituminous material/ hazardous material separately & handed over to

Sr. No	Condition	Status
	and the dumpsites for such material must be secured so that they should not leach into the ground water.	Authorized Vendor.
xxv	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.	Hazardous waste generated during construction phase was collected & handed over to Authorized Vendor.
xxvi	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 surrounding.	Regularly supervise by officers for monitoring for construction phase.
xxv	Under the provision 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 environment clearance.	Environmental Clearance Obtained vide letter No. SEAC-III-2014/CR-305/TC.3 dated 05 <sup>th</sup> November, 2015. <b>Please refer Enclosure II.</b> Commencement certificate is submitted in previous report.
II.	<b>Operational Phase:</b>	
	<b>The environmental clearance recommended to the project is subject to the specific conditions as follows:</b>	
i	Necessary permission of competent Authority shall be taken to store diesel in the premises for operation of DG set.	Diesel not stored on site.
ii	Diesel power generating sets proposed as source of back up power for lifts and common area illumination should be of enclosed type and conform rules made under Environment Protection Act, 1986 prescribed for Air and Noise emission standards as per CPCB guidelines. Exhausts should be discharged by stack raised to 4 meter above the rooftop.	DG set are with acoustic canopy & confirming the rules made under the Environment (Protection) Act 1986. One DG Set of capacity 125 KVA provided and one DG set 62.5 KVA provided in labour colony
iii	During the nighttime the noise levels measures at the boundary of the building shall be restricted to the permission levels to complete with the prevalent regulations.	Yes, Noise monitoring report is enclosed. Please refer the <b>Annexure no 1.</b>
iv	Noise barriers should be provided at appropriate location so as to ensure that the noise level does not exceed the prescribed standards.	Noise monitoring reports are enclosed. Please refer the <b>Annexure No. 1.</b>
v	Weep holes in the compound walls shall be	Noted.

Sr. No	Condition	Status
	provided to ensure natural drainage of rain water in the catchment area.	
vi	The sewage treatment plant of adequate capacity should be provided to treat sewage generated from the complex and it should be certified by an independent expert for adequacy as well as efficiency and should submit a report in this regard to the Ministry before the project is commissioned for operation. The waste water should be treated to tertiary level and after treatment reused for flushing and landscaping. Discharge of treated sewage shall conform to the norms & standards prescribed by Maharashtra State Pollution Control Board.	80 KLD & 100 KLD capacity of STP provided for treatment of waste water on project site.
vii	Rainwater harvesting and ground water recharging shall be practiced. Oil & Grease trap shall be provided to remove oil and grease from the surface runoff and suspended matter shall be removed in settling tank before its utilization for rainwater harvesting.	One recharge pit provided provided on site.
viii	The solid waste generated should be properly collected and segregated. Wet garbage should be composted & dry/inert solid waste should be disposed off to approve sites for land filling after recovering recyclable material.	<ul style="list-style-type: none"> <li>➤ The solid waste generated are properly collected and segregated.</li> <li>➤ Dry waste handed over municipal authority properly disposal.</li> <li>➤ Wet garbage is treated by using OWC machine and it's used as manure.</li> </ul>
ix	Any hazardous waste including biomedical waste should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.	Hazardous waste was generated during construction phase is collected safely & handed over Authorized Vendor.
x	The Green Belt Design along the periphery of the plot shall archive at attenuation factor conforming to the day and night noise standers prescribed for residential land use. The open spaces inside the plot should be suitably landscaped and coved with vegetation of indigenous species.	<p>Green Belt Development shall be carried out considering CPCB guidelines. Phase wise plantation has carried out.</p> <ul style="list-style-type: none"> <li>➤ Garden development done 2674 sqm.</li> <li>➤ Total 398 trees plantation done on site.</li> </ul>



Sr. No	Condition	Status
xi	Incremental pollution load on the ambient air quality, noise & water quality should be periodically monitored after commissioning of the project.	Ambient air and noise monitoring report enclosed. Please refer the <b>Annexure 1</b> .
xii	The ground water level and its quality should be monitored regularly in consultation with Ground water Authority.	We are not used ground water hence it's not applicable.
xiv	The values of R & U for the building envelope should meet the requirements of the hot & humid climatic location. Details of the building envelope should be worked out and furnished in three months time.	We are working on R & U value.
xv	Energy conservation measures like installation of CFLs/ FLs for lighting the areas outside the building should be integral part of the project design and should be properly collected and disposed of/sent for recycling as per the prevailing rules/ guidelines standards issued by the regulatory authority to avoid Mercury contamination. Use of solar panels may be done to the extent possible.	<b>Energy conservation measures:</b> <ul style="list-style-type: none"> <li>• We have used LED lights.</li> <li>• Use of solar power for water heating.</li> </ul>
<b>B.</b>	<b>General Conditions</b>	
i	This environmental clearance is subject to Hon'ble supreme court's decision regarding sitting of project near Wildlife sanctuary.	Noted.
ii	The environmental safeguards contained in the EIA report should be implemented in letter and spirit.	Noted.
iii	Provision should be made for the supply of kerosene or cooking gas and pressure cooker to the laborers during constradequate uction phase.	This facility is not provided on site because local labours are employed.
iv	All the laborers to be engaged for construction workers should be screened for health and adequately treated before the issue of work permits.	Noted.
v	6 monthly monitoring reports should be submitted to the Ministry and its Regional office.	We are submitting 6 monthly reports regularly along with necessary documents.
5	Officials from the Regional Office of MoEF, Bhopal who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents / data by the project proponents	Noted.

Sr. No	Condition	Status
	during their inspection. A complete set of all the documents submitted to MoEF should be forwarded to the CCF, Regional office of MoEF, Bhopal.	
6.	In case of any change(s) in the scope of the project, the project would require a. fresh appraisal by this Ministry.	No any change in project.
7.	The Ministry reserves the right to add additional safeguard measures, subsequently, if found necessary, and to take action including revoking of the environmental clearance under the provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Noted.
8	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department (if required), CRZ Regulations etc. shall be obtained by project proponents from the competent authorities.	No storage of diesel on site. Fire NOC is submitted in previous report.
9	A copy of the environmental clearance letter would be marked to the local NGO(s), if any, from whom suggestion/representation were received at the time of public hearing.	Local NGO letter is submitted in previous report.
10	The project proponent should advertise in at least two local Newspapers widely circulated in the region one of which shall be in vernacular language informing that the project has been accorded environmental clearance and copies of clearance letters are available with Maharashtra State Pollution Control Board and may also be seen on the website of the Ministry of Environment & Forest at <a href="http://www.envfor.nic.in">http://www.envfor.nic.in</a> . The advertisement should be made within 7 days from the day of issue of the clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Bhopal.	Advertisement copy is attached. Please refer the <b>Annexure No.2</b>
11	These stipulations would be enforced among others under the provisions of the Water	Noted

<b>Sr. No</b>	<b>Condition</b>	<b>Status</b>
	(prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) Act 1981, the Environment (Protection) Act, 1986 and the Public Liability (Insurance) Act, 1991.	
12	The project authority will enter into MOU with all buyers of the property, flats/shops etc. to ensure operation and maintenance of the assets handed over to the society formed by the residents/owners of the buildings.	Noted.

**Monitoring the Implementation of Environmental Safeguards**  
**Ministry of Environment, Forest and Climate Change**  
**Western Region, Regional Office, Nagpur**

**DATA SHEET**

**Date:-18<sup>th</sup> December 2017**

1.	Project type: River - valley/ Mining / Industry / Thermal / Nuclear / Other (specify)	:	Residential Complex
2.	Name of the project	:	"Prince Town"
3.	Clearance letter ( s ) / OM No. and Date	:	Clearance Letter No. 21-221/2007-IA.III Dated 24 <sup>th</sup> December, 2007 Extension EC Date: 11 <sup>th</sup> June, 2014
4.	Location	:	
	a. District ( S )	:	Pune
	b. State ( s )	:	Maharashtra
	c. Latitude/ Longitude	:	18°27'.47.08" N 73°54'15.48" E
5.	Address for correspondence	:	
	a. Address of Concerned Project Chief Engineer ( with pin code & Telephone / telex / fax numbers	:	Mandar Raykar, Bandhuprem, Raykarnagar, Sr.no.18,B21,Dhayari,Pune 41 Mobile:-8411956876
	b. Address of Project: Engineer/Manager (with pin code/ Fax numbers )	:	Mandar Raykar, Bandhuprem, Raykarnagar, Sr.no.18,B21,Dhayari,Pune 41 Mobile:-8411956876
6.	Salient features	:	
	a. of the project	:	It is residential project. The design of this project and utilities is thoroughly planned with the objectives of providing facilities to the people and keeping the mind on sustainable development.
	b. of the environmental management plans	:	<b>1. Sewage treatment Plant (STP):</b> We are installed 2 nos. (100 KLD, 80 KLD) of STP provided for treatment of waste water. <b>2. Rain water harvesting:</b> On site one harvesting pit provided with two bore well as well as one dug well. <b>3. Solid Waste Management</b> a. Biodegradable waste will be treated by OWC b. Dry waste will be hand over to authorize contractor. c. STP sludge will be used as manure.
7.	Breakup of the project area	:	
	a. submergence area forest & non-forest	:	Non forest
	b. Others	:	Total plot Area: 1,01,600 sq. m

				Proposed Built-up Area (FSI & Non-FSI): 94,413.45 sq. m
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.	Estimated Cost of the Project	:	132.45 Crores Only
	b.	Allocation made for environ-mental management plans with item wise and year wise Break-up.	:	<b>Capital Investment For Ecofriendly Features:</b> <b>Construction Phase:</b> Recurring cost in Annum (Rs. Lakhs)-1.08 <b>Operation Phase:</b> Capital Cost (Rs. Lakhs)-1000 Recurring cost in Annum(Rs. Lakhs)-85
	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	:	--
	f.	Actual expenditure incurred on the environmental management plans so far	:	--
10.	Forest land requirement		:	Not Applicable
	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, it any	:	Not Applicable
	d.	Comments on the viability & sustainability of compensatory afforestation program in the light of actual field experience so far	:	Not Applicable
11.	The status of clear felling in Non-forest areas (such as submergence area of reservoir, approach roads), it any with quantitative information		:	Not Applicable
12.	Status of construction		:	A1: Completed (O.C. Granted ) A2: Completed (O.C. Granted ) A3 : Completed (O.C. Granted ) A4 : Completed (O.C. Granted ) B1 building work Completed. B2 : 1 <sup>st</sup> Slab completed B4 buildings work internal work is in progress.

	a.	Date of commencement ( Actual and/or planned )	:	05.09.2009
	b.	Date of completion ( Actual and/or planned )	:	Approx. 2019
13.		Reasons for the delay if the Project is yet to start	:	Not applicable
14		Dates of site visits	:	Not yet visited
	a.	The dates on which the project was monitored by the Regional Office on previous Occasions, if any	:	Not yet visited
	b.	Date of site visit for this monitoring report	:	Not yet visited
15.		Details of correspondence with Project authorities for obtaining Action plans/information on Status of compliance to safeguards Other than the routine letters for Logistic support for site visits )	:	Not Applicable
		(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.)	:	

**By Speed Post**

No. 21-221/2007-IA.III  
**Government of India**  
**Ministry of Environment and Forests**  
**(I.A. division)**

**Paryavaran Bhawan,**  
**CGO Complex, Lodhi Road**  
**New Delhi 110510**  
Dated: 24.12.2007

To,

**M/s Manikchand Kumar Properties**  
Kumar Capital, 1<sup>st</sup> Floor,  
2413 East Street, Camp  
Pune 411001

**Subject: Environmental Clearance for Construction of residential complex at Undri, Pune.**

Sir,

I am directed to refer to your application seeking prior environmental clearance for the above project under the EIA Notification 2006. The above proposal has been appraised as per prescribed procedure on the basis of the mandatory documents enclosed with the application viz. Form 1 & 1 A, and Conceptual plan and the additional clarifications furnished in response to the observations of the Additional Expert Appraisal Committee constituted by the competent authority in its 21<sup>st</sup> meeting held on 12-14 September, 2007.

2. The project proponent is proposing for Construction of Residential Complex, at S.No.9/1 (pt.) Undri, Pune at a cost of Rs.132.45 crore. The proposed development will consists of Residential Complex comprising of 22 residential buildings for 946 flats. The total plot area is 1, 01,600 sq. m. The total proposed built up area as indicated is 94,413.45 sq. m. Total water requirement will be 775 cu.m./day including recycled water and total wastewater generation from the project will be 620 cu. m./day. The STP (capacity 650 cu.m/d) will be installed at site to treat wastewater generated from the project. The treated waste water will be used for landscape, flushing and non-potable purpose in the premises and unused wastewater will be discharged in to public sewer. The total solid waste generated will be 1265 kg/day. Vermi-composting of biodegradable waste will be done and Non-biodegradable waste will be handed over to local municipal authority for disposal. Total parking space will be provided for parking of 1050 cars and 950 two-wheelers.

3. The documents submitted along with the application predict that there will be minor negative impact on the Air quality during construction as well as operation phase. There will be minor negative impact on ambient noise level inside the premises during construction phase. There will be positive impact on land use pattern due to landscaping and greenbelt development. Plantation of trees and development of recreational area, surrounding area will have positive impact on overall land use.

4. The additional EAC after due consideration of the relevant documents submitted by the project proponent and additional clarifications furnished in response to its observations have awarded 'Gold' grading and recommended the grant of environmental clearance for the project mentioned above subject to compliance with the EMP and other stipulated conditions Accordingly, the Ministry hereby accords necessary environmental clearance under category 8(a) for the project subject to the strict compliance with the specific and general conditions mentioned below,

## **PART A- .SPFCIFIC CONDITIONS**

### **I. Construction Phase**

- i. Consent for establishment shall be obtained from the State Pollution Control Board/Pollution Control Committee under Air and Water Act and a copy of the same shall be submitted to the Ministry before start of any construction work at site.
- ii. For disinfection of waste water ultra violet radiation shall be used in place of chlorination.
- iii. Vehicles hired for construction activities should be operated only during non-peak hours.
- iv. All the top soil excavated during construction activities should be stored for use in horticulture/landscape developments within the project site.
- v. Ready mixed concrete shall be used in building construction.
- vi. Water demand during construction shall be reduced by use of pre mixed concrete, curing agents and other best practices.
- vii. Permission to draw ground water shall be obtained from competent authority prior to construction/operation of the project.
- viii. Separation of gray and black water should be done by the use of dual plumbing line. Treatment of 100% gray water by decentralized treatment should be done.
- ix. 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.
- x. Use of glass may be reduced upto 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.



- xi. Roof should meet the prescriptive requirement as per energy conservation building code by using appropriate thermal insulation material to fulfill requirement.
- xii. Opaque wall should meet prescriptive requirement as per energy conservation building code which is proposed to be mandatory for all air conditioned spaces while it is aspirational for non air conditioned spaces by use of appropriate thermal insulation to fulfill requirement.
- xiii. Storm water control and its reuse should be as per Central Ground Water Board and BIS standards for various applications.
- xiii. Necessary approval of competent authority of State Forest Department shall be obtained before starting construction.
- xiv. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
- xv. Soil and ground water samples will be tested to ascertain that there is no threat to groundwater quality by leaching of heavy metals and other toxic contaminants.
- xvi. A First Aid Room will be provided at the project site both during construction and operation of the project.
- xvii. Adequate drinking water and sanitary facilities should be provided for construction workers at the site. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
- xviii. Disposal of muck including excavated material during construction phase should not create any adverse effects on the neighboring communities and be disposed off taking the necessary precautions for general safety and health aspects of people.
- xix. Diesel power generating sets used during construction phase should be of enclosed type to prevent noise and should conform to rules made under Environment (Protection) Act 1986, prescribed for air and noise emission standards.
- xx. Ambient noise levels should conform to standards both during day and night when measured at boundary wall of the premises. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase.
- xxi. The construction agencies shall use flyash based material/ products as per the provisions of fly ash notification of 14.9.1999 and as amended on 27.8.2003.
- xxii. Vehicles hired for bringing construction material at site should be in good condition and should have valid pollution under check (PUC) certificate and to conform to applicable air and noise emission standards and should be operated only during non-peaking hours.
- xxiii. Construction spoils including bituminous material and other hazardous materials must not be allowed to contaminate water courses and the dump sites for such material must be secured so that they should not leach into the ground water.

- xxiv Any hazardous waste generated during construction phase should be disposed of as per applicable Rules & norms with necessary approvals of the Maharashtra Pollution Control Board.
- xxv 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.
- xxvi 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 had started without obtaining environmental clearance.

## **II. Operation Phase**

The environmental clearance recommended to the project is subject to the specific conditions as follows:

- i. Necessary permission of competent authority shall be taken to store diesel in the premises for operation of DG set.
- ii. Diesel power generating sets proposed as source of back up power for lifts and common area illumination should be of enclosed type and conform to rules made under Environment (Protection) Act 1986, prescribed for air and noise emission standards as per CPCB guidelines. Exhausts should be discharged by stack, raised to 4 meters above the rooftop.
- iii. 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.
- iv. Noise barriers should be provided at appropriate locations so as to ensure that the noise levels do not exceed the prescribed standards.
- v. Weep holes in the compound walls shall be provided to ensure natural drainage of rainwater in the catchment area.
- vi. The sewage treatment plant of adequate capacity should be provided to treat sewage generated from the complex and it should be certified by an independent expert for adequacy as well as efficiency and should submit a report in this regard to the Ministry before the project is commissioned for operation. The wastewater should be treated to tertiary level and after treatment reused for flushing and landscaping. Discharge of treated sewage shall conform to the norms & standards prescribed by Maharashtra State Pollution Control Board.
- vii. Rainwater harvesting and ground water recharging shall be practiced. Oil & Grease trap shall be provided to remove oil and grease from the surface run off and suspended matter shall be removed in a settling tank before its utilization for rainwater harvesting.
- viii. The solid waste generated should be properly collected & segregated. Wet garbage should be composted and dry/inert solid waste should be disposed off to approved sites for land filling after recovering recyclable material.
- ix Any hazardous waste including biomedical waste should be disposed of as per applicable Rules & norms with necessary approvals of the Maharashtra State Pollution Control Board.

- x The green belt design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential land use. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous variety.
- xi Incremental pollution loads on the ambient air quality, noise and water quality should be periodically monitored after commissioning of the project.
- xii. The ground water levels and its quality should be monitored regularly in consultation with Central Ground Water Authority.
- xiii. A Report on the energy conservation measures should be prepared incorporating details about building materials & technology, R & U Factors etc and submitted to the Ministry in three months time.
- xiv. The values of R & U for the Commercial building envelope should meet the requirements of the hot & humid climatic location. Details of the building envelope should be worked out and furnished in three months time.
- xv. Energy conservation measures like installation of solar panels for lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning.

## **PART ? B. GENERAL CONDITIONS**

- i) This environmental clearance is subject to Hon?ble Supreme Court?s decision regarding siting of project near wildlife sanctuary.
- ii) The environmental safeguards contained in the documents should be implemented in letter and spirit.
- iii) Provision should be made for the supply of kerosene or cooking gas and pressure cooker to the laborers during construction phase.
- iv) All the laborers to be engaged for construction works should be screened for health and adequately treated before the issue of work permits.
- v) 6 monthly monitoring reports should be submitted to the Ministry and its Regional Office.

5. Officials from the Regional Office of MOEF, Bhopal who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF should be forwarded to the CCF, Regional office of MOEF, Bhopal.

6. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.

7. The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.

8. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department (if required), State Forest Department, Wildlife Act 1972 etc. shall be obtained by project proponents from the competent authorities.

9. A copy of the environmental clearance letter would be marked to the local NGO(s) for their information.

10. The project proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded environmental clearance and copies of clearance letters are available with the Maharashtra State Pollution Control Board and may also be seen on the website of the Ministry of Environment and Forests at <http://www.envfor.nic.in>. The advertisement should be made within 7 days from the day of issue of the clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Bhopal.

11. These stipulations would be enforced among others under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) act 1981, the Environment (Protection) Act, 1986 and the Public Liability (Insurance) Act, 1991.

12. The project authority shall enter in to MOU with all buyers of the property to ensure operation and maintenance of the assets of the buildings.

**(K.C. RATHORE)**  
**Additional Director (IA)**  
**rathore27@yahoo.com**  
Tele: 24360789

Copy to: -

1. The Secretary, Department of Environment, Government of Maharashtra, New Administrative Building, 15<sup>th</sup> Floor, Opp. Mantralaya, Mumbai.
2. The Member Secretary, Maharashtra State Pollution Control Board, Kalptaru Point, 3<sup>rd</sup> Floor, Near Sion Circle Opp. Cine Planet Cinema, Sion(E), Mumbai.
3. The CCF, Regional Office, Ministry of Environment & Forests, Bhopal.
4. IA - Division, MOEF, New Delhi - 110001.
5. Guard file.

**(K. C. RATHORE)**  
**Additional Director (IA)**



# MAHARASHTRA POLLUTION CONTROL BOARD

Phone :- 24010437/24020781/24014701

Fax :- 24044532 / 24023516

Email :- enquiry@mpcb.gov.in



Kalpataru Point, 3rd & 4th floor, Sion-  
Matunga Scheme Road No. 8, Opp.  
Cine Planet Cinema, Near Sion Circle,  
Sion (E), Mumbai - 400 022

Visit At:- <http://mpcb.gov.in>

*Infrastructure /Orange/L.S.I*

Consent order No: Format 1.0/BO/ROHQ/CO/PN-19263-13/CC- 2826

Date: 24/03/2014

To,  
M/s. Manikchand Kumar Properties  
"Kumar Princetown"  
S. No. 9/1 (P), Undri, Taluka : Haveli,  
Dist : Pune 411001.

Sub : Consent to Operate in Orange category for Residential Building Project.

Ref : Minutes of Consent committee meeting held on 13/03/2014

Your application :- CO1307000076

Date: 06/07/2013.

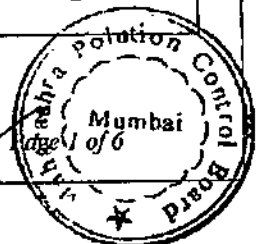
For: Consent to Operate (part) for Residential Building construction project.

Under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Municipal Solid Waste (Management & Handling) Rule 2000 and E-Waste (Management & Handling Rule 2011 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. The consent to Operate (part) is granted for a period upto:- 31/01/2015
2. The Capital investment of the Project is Rs. 51.46 Crs. (As per CA certificate).
3. The Consent to operate is valid for residential project developed by M/s. Manikchand Kumar Properties named as "Kumar Princetown" S. No. 9/1 (P), Undri, Taluka : Haveli, Dist : Pune on total plot area of 1,01,600.0 Sq.mtrs and construction completed Built up area of 22,216.06 Sq. mtrs out of total built-up area 94,413.45 sq.mtrs. As per construction commencement certificate issued by local body. (Occupancy certificate obtained for Building A1, A2, A3 & A4 from PMC)
4. Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr. no.	Description	Permitted quantity of discharge	Standards to be achieved	Disposal
1.	Trade effluent	Nil	NA	NA
2.	Domestic effluent	95.0 CMD	As per Schedule -1	60% shall be reused & recycled and remaining shall be discharged in municipal sewer.

SRO Pune II/IO/L/92104000



5. Conditions under Air (P&CP) Act, 1981 for air emissions:

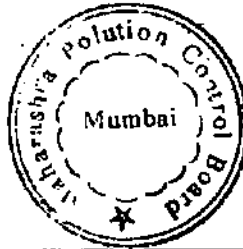
Sr. No.	Description of stack / source	Number of Stack	Standards to be achieved
1.	DG sets (125 KVA)	1	As per Schedule -II

6. Conditions under Municipal Solid Waste (Management and Handling) Rule, 2000

Sr. No.	Type Of Waste	Quantity	UOM	Treatment	Disposal
1.	Biodegradable Waste	277.0	Kg/Day,	Vermi Composting Beds	
2.	Non Biodegradable Waste	119.0	Kg/Day	Segregation	By sale

7. This Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
8. The applicant shall comply with the conditions stipulated in Environment Clearance granted by GoI, vide no: 21-221/2007-IA.III dated 24/12/2007.
9. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government agencies.
10. The applicant shall submit the affidavit within 15 days in the prescribed format regarding the part of the built-up area /building for which application for consent to 1st operate is made and that the same is included in the Environment Clearance accorded.
11. Applicant shall obtain revalidated environment clearance from competent authority before applying for consent to operate for next phase of construction project.

For and on behalf of the  
Maharashtra Pollution Control Board



(Rajeev Kumar Mittal) IAS  
Member Secretary

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	1,00,100/-	044632	04/06/2013	HDFC Bank

Copy to:

1. Regional Officer, MPCB, Pune. And Sub-Regional Officer, Pune-II, they are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Mumbai.
3. CC/CAC desk- for record & website updation purposes.

**Schedule-I**

**Terms & conditions for compliance of Water Pollution Control:**

1) A) As per your consent application, you have provided the sewage treatment system with the design capacity of 100 CMD.

B) The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards/ prescribed under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

1	pH	Not to exceed	6.5 to 9.0
2	Suspended Solids	Not to exceed	100 mg/l.
3	BOD 3 Days 27 degree C	Not to exceed	100 mg/l.
4	Detergent	Not to exceed	01 mg/l.

C) The treated domestic effluent shall be 60% recycled and reused for flushing, fire fighting and cooling of Air conditioners etc. The remaining shall be discharged into Municipal sewer/ utilized on land for gardening after conforming to above standards. The firm shall affix the separate meter for ensurance of 60% recycling of treated sewage and keep the records of the same. In no case effluent shall find its way to any water body directly /indirectly at any time.

2) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of water, works for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.


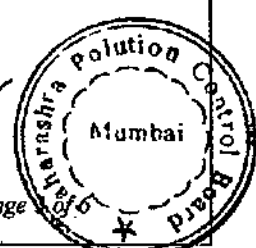
3) The firm shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.

4) In case, the water consumption of the project is not covered under the water consumption of local body, in that situation, the project proponent shall submit the CESS Returns in the prescribed format given under the provision of Water (Prevention & Control of Pollution) Cess Act, 1977 and Rules made thereunder for various category of water consumption.

In case the water consumption is duly assessed under the quantity of water consumption of local body, the project proponent shall submit certificate to that effect from the concern local body with the request not to assess CESS on their water consumption, being already assessed on the water consumption of local body.

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Domestic purpose	119.0

5) The firm shall provide Specific Water Pollution control system as per the conditions of EPAct,1986 and rule made there under from time to time/ Environmental Clearance.

  
  
Page



Schedule-II

**Terms & conditions for compliance of Air & Noise Pollution Control:**

1. As per your application, you have erected following stack (s) and to observe the following fuel pattern-

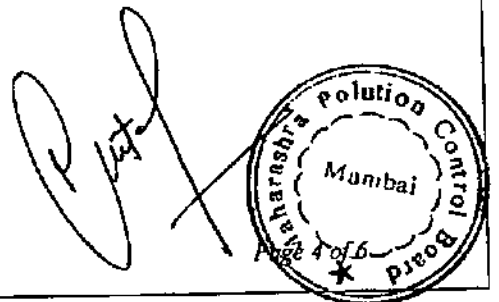
Sr. No.	Stack Attached To	Height in Mtrs. (Above roof top)	Type of Fuel	Quantity
1.	DG sets (125.0 KVA)	4.0	HSD/ Diesel	35.0 Lit/Hr.

\* D.G. Set shall be operate only in case of power failure.

2. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Particulate matter	Not to exceed	150.00 mg/Nm <sup>3</sup> .
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3. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
4. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary)
5. Ambient noise levels should conform to prescribed standards both during day and night. The ambient air and noise quality should be closely monitored during construction phase.



**Schedule-III**  
**Details of Bank Guarantees**

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Operate	Rs. 5.0 lakhs	15 days	Rs. 5.0 lakhs for ensuring the compliance consent conditions	31/01/2015	31/05/2015

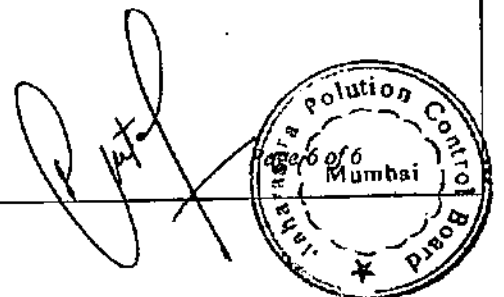
SRO Pune II/10/L/92104000



### Schedule-IV

#### General Conditions:

- 1) The applicant shall provide facility for collection of samples of sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 2) The firm shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and environmental protection Act 1986 and Municipal Solid Waste (Management & Handling) Rule 2000 and E-Waste (Management & Handling) Rule 2011.
- 3) Drainage system shall be provided for collection of sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No sewage shall be admitted in the pipes/sewers downstream of the terminal manholes. No sewage shall find its way other than in designed and provided collection system.
- 4) The applicant shall install a separate meter showing the consumption of energy for operation of sewage treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
- 5) Vehicles hired for bringing construction material to the site should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
- 6) Conditions for D.G. Set
  - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
  - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
  - c) The industry shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise to less than 55 dB(A) during day time and 45 dB(A) during the night time. Day time is reckoned between 6 a.m. to 10 p.m and night time is reckoned between 10 p.m to 6 a.m.
  - d) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
  - e) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
  - f) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
  - g) D.G. Set shall be operated only in case of power failure.
  - h) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
  - i) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel.
- 7) Solid Waste – The applicant shall provide onsite municipal solid waste processing system & shall comply with Municipal Solid Waste (Management & Handling) Rule 2000 & E-Waste (M & H) Rule 2011.
- 8) Affidavit undertaking in respect of no change in the status of consent conditions and compliance of the consent conditions the draft can be downloaded from the official web site of the MPCB.
- 9) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 10) The treated sewage shall be disinfected using suitable disinfection method.
- 11) The firm shall submit to this office, the 30th day of September every year, the environment statement report for the financial year ending 31st march in the prescribed Form-V as per the provision of rule 14 of the Environmental (Protection) Second Amended rule 1992.
- 12) The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.



# MAHARASHTRA POLLUTION CONTROL BOARD

Tel : 2402 0781 / 2401 0437  
Fax : 2402 4068  
Visit us at :  
Website : <http://mpcb.mah.nic.in>  
E-mail : [mpcb@vsnl.net](mailto:mpcb@vsnl.net)



Kalpataru Point,  
2nd , 3rd & 4th floor,  
Opp. Cineplanet,  
Near Sion Circle, Sion (E),  
Mumbai - 400 022.

Infrastructure Project/LSI.

Consent No. BO/RO (P&P)/EIC No. PN-4045-09/E/CC- 291 Date: 07 /08/2009

Consent to Establish is granted to **M/s Manikchand Kumar Properties**  
(Residential Complex)

Site S. No. 9/1(pt), Undri, Pune

located in the area declared under the provisions of Water Act (P&CP) 1974, Air Act (P&CP), 1981 and Authorization under the provisions of H.W (M & H) Rules and amendments thereto subject to the provisions of the Acts and the Rules and the Orders that may be made further and subject to the following terms and conditions :-

1. The Consent to Establish is valid up to Commissioning of the Project or five years whichever is earlier.

For development of land/plot as new construction activities for construction of Residential project named as **M/s Manikchand Kumar Properties, (Residential Complex)**, Site S. No. 9/1(pt), Undri, Pune, on total plot area of 101600 Sq mtrs & total Built up area 94413.45 Sq. mtrs including utilities for development of Residential project and services such as per construction commencement certificate issued by local body.

2. CONDITIONS UNDERT WATER (Prevention & Control of Pollution) ACT, 1974: -

(i) The quantity of sewage effluent from above construction project shall not exceed 620 M<sup>3</sup>/Day.

(ii) **Sewage Effluent Treatment:** The Applicant shall provide a comprehensive sewage treatment plant and treatment as is warranted with reference to influent quality and corresponding mode of disposal and operate and maintain the same continuously so as to achieve the quality of treated effluent to the following standards: -

(1)	pH	Not to exceed	6.5 to 9.0	
(2)	Suspended Solids	Not to exceed	100	mg/l.
(3)	BOD 3 days 27 CC.	Not to exceed	100	mg/l.
(4)	Fecal Coliform	Not to exceed	500/100/l	ml.
(7)	Residual Chlorine	Not to exceed	01	mg/l.
(8)	Detergent	Not to exceed	01	mg/l.
(9)	Floating matters	Not to exceed	10	mg/l.

(iii) **Sewage effluent Disposal: -**

The treated domestic effluent shall be 80% recycled and reused for flushing, fire fighting and cooling of Air conditioners and remaining shall be used on own land for gardening/PMC sewer. In no case, effluent shall find its way to any water body directly/indirectly at any time.

Project proponent shall operate STP for five years from the date of obtaining Occupation Certificate.





(iv) **Non-Hazardous Solid Waste: -**

The total quantity shall be segregated and treated as follows: -

Sr	Type of Segregated solid waste	Quantity	Treatment	Disposal
1	Wet Garbage	1265 Kg/Day	Composting	Own Site/ MSW site of PMC

**3. Other Conditions (During Construction Phase): -**

1. All activities shall be in resonance with the provisions of Indian Forest Act, 1927 (16 of 1927), Forest (Conservation) Act, 1980 (69 of 1980) and Wildlife (Protection) Act, 1972 (53 of 1972), and special notification published for area wherever applicable and all the Environmental Statutes and Instruments.
2. This Consent to Establish is issued only for New Construction/Developing Construction Project purposes.
3. No quarrying activities shall be commenced in the area unless appropriate permissions are obtained for a limited quarrying material required for construction of local residential housing and traditional road maintenance work, provided that such quarrying is not done on Forest Lands and the material is not exported to the outside area.
4. There shall be no felling of trees whether on Forest, Government, Revenue or Private lands except as per prevailing Rules.
5. Extraction of Groundwater for the project shall require prior permission of the State Ground Water Authority or other relevant authorities, as applicable;
6. Near the activities that are related to water (like activity of water parks, water sports) and/or in the vicinity of lake, Dissolved Oxygen shall not be less than 5 mg/liter.
7. In order to ensure that the water from this project do not enter into outside environment, the nallas crossing the township/complex premises, shall be lined, covered and made water tight by the applicant within the premises with intermittent inspection of chambers following good engineering practices as per the regulations of local body.
8. The Applicant shall prepare management plan for water harvesting, roof-water reclamation, water/storm water conservation and implement the same before handling over of complex for occupation.
9. Applicant shall provide 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.
10. The Applicant shall draw plans for the segregation of solid wastes into biodegradable and non-biodegradable components. The biodegradable material shall be recycled through scientific in-house composting (i.e vermi-composting facility within premises) with the approval of local body. The proper demarked area shall be identified for collection & storage of MSW properly which, shall be finally disposed off at approved Municipal Solid Waste landfill site of local body environmentally acceptable location and method. It is clarified that the term solid waste includes domestic, commercial, and garden wastes, but does not include hazardous and bio-medical wastes. The activities of bio-composting and engineered landfill shall be as per the Municipal Solid Waste (M&H) Rules, 2000.
11. Applicant shall be responsible to take adequate precautionary measures as detailed in this consent.
12. The applicant/generator shall be responsible for safe and scientific collection, transportation, treatment and disposal of Bio-Medical Waste as per the provisions made under the Bio-Medical Waste (Management & Handling) Rules, 1998. Any activity as defined under BMW (M & H) Rules has to obtain a separate Authorization from Maharashtra Pollution Control Board.
13. For disinfections of waste water ultra violet radiation shall be used in place of chlorination
14. Vehicles hired for construction activities should be operated only during non peak hours.





15. Ready mixed concrete used in building construction should apply separately for consent from the Board.
16. The applicant, during the construction stage shall provide
- Septic tank and soak pit of adequate capacity for the domestic effluent generated due to workers residing at site.
  - Proper loading and unloading of construction material, excavated material and its proper disposal as per MSW (M&H) Rules 2000.
  - Cutting of trees is not permitted, however in unavoidable conditions necessary permission from the local body shall be obtained.
  - Green belt of 33% of the open space shall be developed.

4. The Applicant shall comply with all the provisions of, the Water (Prevention and Control of Pollution) Cess Act, 1977 (to be referred as Cess Act) and Rules as Amended, 2003 and Rules there under: -

The daily water consumption for the following categories shall not exceed, as under

(i) Domestic	(In CMD)
a) Domestic	426
b) Cooling	--
c) Swimming & Club House	45
d) Flushing	282
e) Agriculture/Gardening	20

5. **CONDITIONS UNDER AIR (Prevention & Control of Pollution) ACT, 1981: -**

- (I) The Applicant may install 06 no. of diesel generating sets (DG Sets), of capacity 06 x 125 KVA and shall be equipped with comprehensive control system as is warranted with reference to generations of emissions and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards: -

**Standards for emissions of air Pollutants**

i)	SPM/TPM	Not to Exceed	150	mg/Nm <sup>3</sup>
ii)	SO <sub>2</sub> (DG set)	Not to Exceed	20	Kg/day

- (II) **The following measure shall be taken.**

- a) Adequate mitigation measures shall be taken to control emissions of SO<sub>2</sub>, NO<sub>x</sub>, SPM, RSPM.
- b) Applicant shall achieve following Ambient Air Quality standards.

1	SPM	Not to Exceed (Annual Average)	140	µg/ m <sup>3</sup>
		Not to Exceed (24 hours)	200	µg/ m <sup>3</sup>
2	SO <sub>2</sub>	Not to Exceed (Annual Average)	60	µg/ m <sup>3</sup>
		Not to Exceed (24 hours)	80	µg/ m <sup>3</sup>
3	NO <sub>x</sub>	Not to Exceed (Annual Average)	60	µg/ m <sup>3</sup>
		Not to Exceed (24 hours)	80	µg/ m <sup>3</sup>
4	RSPM	Not to Exceed (Annual Average)	60	µg/ m <sup>3</sup>
		Not to Exceed (24 hours)	100	µg/ m <sup>3</sup>

- (III) **The Applicant shall observe the following fuel patterns**

No.	Type of Fuel	Quantity
01	HSD	40 Lit/Hr

- (IV) **The Applicant shall erect the Chimney (s) of the following specifications**

No.	Chimney attached to DG	Height above roof of Bldg
1	DG set 06 x 125 KVA	3.0 mtrs each





**(V) Conditions for DG Sets: -**

1. Noise from DG Sets shall be controlled by providing acoustic enclosure or by treating the room acoustically.
2. Applicant should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room shall be designed for minimum 25 dB(A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB(A) shall also be provided. The measurement of insertion loss shall be done at different points at 0.5 meters from acoustic enclosure/ room and then average.
3. The Applicant should make efforts to bring down noise level due to DG Set, outside the premises, with ambient noise level requirements by proper setting and control measures.
4. Installation of DG Set must be strictly in compliance with recommendations of DG set manufacturer;
5. A proper routine and preventive maintenance procedure for DG Set shall be set and followed in consultation with the DG manufacturers, which would help to prevent noise levels of DG Sets from deteriorating with use.
6. The DG set shall be operated only in case of power failure. The applicant shall make arrangement for regular electrical power.
7. The Applicant shall not cause any nuisance in the surrounding area due to operation of DG sets.
8. In case of problems, the D.G. set shall not be operated until it is set back to satisfactory position.

**(VI) Other Conditions:**

- a) The Applicant shall provide ports in the chimney and facilities such as ladder, platform etc for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's staff. The chimneys shall be numbered, as S-1, S-2 etc and these shall be painted/ displayed to facilitate identification.
- b) Water spraying shall be done on ground to avoid fugitive emissions.
- c) Construction material shall be carried in enclosed vehicles during construction activities.

**(VII) Conditions for Utilities like Kitchen, Eating Places etc: -**

1. The kitchen shall be provided with exhaust system chimney with oil catcher connected to chimney through ducting.
2. The toilet shall be provided with exhaust system connected to chimney through ducting.
3. The air conditioner shall be vibration proof and the noise shall not exceed 68 dB (A).
4. The exhaust hot air from A.C. shall be attached to Chimney at least 5 mtrs. higher than the nearest tallest building through ducting and shall discharge into open air in such way that no nuisance is caused to neighbors.

(VIII) The Applicant shall take adequate measures for control of noise levels from its own sources within the complex (residential cum Commercial) in respect of noise to less than 55 dB(A) during day time and 45 dB(A) during the night time. Daytime is reckoned as between 6 a.m. to 10 p.m. and Nighttime is reckoned between 10 p.m. to 6 a.m.

(IX) Construction equipments generating noise of less than 65/90 db(A) are permitted.

(X) No construction work is permitted during nighttime.

**6. CONDITIONS UNDER HW (M & H) & AMENDMENT RULES 2003**

The applicant shall not generate Hazardous Waste:



7. The applicant shall certify that the bricks used in construction are manufactured using the ash from Thermal Power stations if it is within a radius of 100 km. from Thermal Power Plant and submit the names of bricks manufacturer. The applicant shall use fly ash based material/products as per the provisions of fly ash Notification of 14.09.1999 and as amended on 27.08.2003.
8. The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before commissioning of the project.
9. The applicant shall adopt environment friendly technology in development of the project.
10. The applicant shall take the proper remediation measures to ensure that the ground water and soil contamination is prevented and follow due diligence at the construction stage.
11. Energy conservation measures like installation of solar panels for lighting the area outside the building should be integrated part of the project design.
12. The applicant should comply with the conditions Environmental Clearance granted by MoEF, GOI vide No. 21-221/2007-IA.III, dated 24.12.2007.
13. This consent is issued pursuant to the decision of Consent Committee Meeting held on 30.07.2009.
14. This Board reserves the right to amend or add any conditions in this consent and the same shall be binding on the Applicant;
15. The capital investment of the project is Rs. 132.450/- Crores

To  
**M/s Manikchand Kumar Properties**  
 (Residential Complex)  
 Site S. No. 9/1(pt), Undri, Pune

For and on behalf of the  
 Maharashtra Pollution Control Board

  
 (Mahesh Pathak)  
 Member Secretary

Copy forwarded with compliments to  
 The Collector, Pune

Copy to

1. Regional Officer, Pune, MPCB,
2. Sub Regional officer, Pune-I, MPCB,
3. Chief Accounts Officer, Mumbai, MPCB,



Received consent fee of

Amount	DD No.	Date	Drawn on
Rs 132450/-	029790	19.06.2009	HDFC Bank Ltd

4. Cess Branch, MPCB, Mumbai.
5. Master file.



**POLLUTION MONITORING REPORT**

**FOR**

**M/s. MANIKCHAND KUMAR PROPERTIES**

**FOR YOUR SITE**

**PRINCE TOWN**

At Undri, Pune.

**SURVEY CARRIED ON:**

**APRIL 10, 2017**

**PREPARED BY:**

**M/s. ULTRA - TECH**

**AIR & WATER POLLUTION CONSULTANTS**

OFFICE NO. 201,202,203,204, SAUDAMINI COMMERCIAL COMPLEX, BUILDING  
C3, 2<sup>ND</sup> FLOOR, RIGHT BHUSARI COLONY, PAUD ROAD, KOTHRUD, PUNE-  
411038 Tel. No. 2528 6109 , 2528 6106 Fax No. 5380148

**E-mail: [pune@ultratech.in](mailto:pune@ultratech.in)**

**Visit @: [www.ultratech.in](http://www.ultratech.in)**

**POLLUTION MONITORING REPORT****SURVEY CARRIED ON APRIL 10, 2017****CONTENT**

<b>Sr. No.</b>	<b>Particulars</b>	<b>Page No.</b>
1.	AMBIENT AIR MONITORING REPORT	1-3
2	NOISE LEVEL MONITORING	4
3	DRINKING WATER ANALYSIS	5
4	SOIL SAMPLE ANALYSIS	6

**M/s. MANIKCHAND KUMAR PROPERTIES**  
FOR YOUR SITE  
**PRINCE TOWN**  
At Undri, Pune.

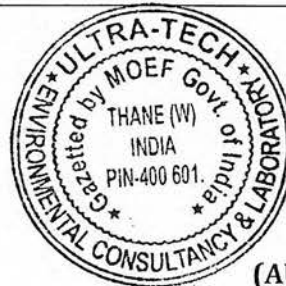
**AMBIENT AIR QUALITY MONITORING REPORT**

Ref No: UT/P/ELS/R/92A/2017		Date: 17.04.2017	
Lab Code: UT/L/A/90A			
SR.NO.	DETAILS	LOCATION NO.1	UNITS
1	Date of Sampling	10.04.2017	--
2	Location of the Sampling	Near main gate	--
3	Ambient Air Temp. - - (Max.) - (Min.)	39.1	°C
		19.6	°C
4	Relative Humidity - - (Max.) - (Min.)	39.0	%
		29.0	%
5	<b>POLLUTANTS</b>		
a)	Particulate Matter (PM <sub>10</sub> )	63.9	µg/m <sup>3</sup>
b)	Particulate Matter (PM <sub>2.5</sub> )	24.5	µg/m <sup>3</sup>
c)	Sulphur Di-Oxide (SO <sub>2</sub> )	14.3	µg/m <sup>3</sup>
d)	Oxides Of Nitrogen (NO <sub>x</sub> )	22.1	µg/m <sup>3</sup>

**NATIONAL AMBIENT AIR QUALITY STANDARDS, SCHEDULE-VII Rule-3(3B)**  
**The Gazette of India with Effect from Monday, November 16, 2009/KARTIKA 25, 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)
1.	SO <sub>2</sub>	24 hours	80	80
2.	NO <sub>x</sub>	24 hours	80	80
3.	PM <sub>10</sub>	24 hours	100	100
4.	PM <sub>2.5</sub>	24 hours	60	60

**-END OF REPORT-**



**FOR ULTRA TECH**

*(Handwritten Signature)*

**KISHOR SAWANT**  
**(AUTHORIZED SIGNATORY)**

**M/s. MANIKCHAND KUMAR PROPERTIES**  
FOR YOUR SITE  
**PRINCE TOWN**  
At Undri, Pune.

**AMBIENT AIR QUALITY MONITORING REPORT**

Ref No: UT/P/ELS/R/92B/2017		Date: 17.04.2017	
Lab Code: UT/L/A/90B			
SR.NO.	DETAILS	LOCATION NO.2	UNITS
1	Date of Sampling	10.04.2017	--
2	Location of the Sampling	Near site office	--
3	Ambient Air Temp. -		
	- (Max.)	39.1	°C
	- (Min.)	19.6	°C
4	Relative Humidity -		
	- (Max.)	39.0	%
	- (Min.)	29.0	%
5	<b>POLLUTANTS</b>		
a)	Particulate Matter (PM <sub>10</sub> )	58.4	µg/m <sup>3</sup>
b)	Particulate Matter (PM <sub>2.5</sub> )	23.2	µg/m <sup>3</sup>
c)	Sulphur Di-Oxide (SO <sub>2</sub> )	14.7	µg/m <sup>3</sup>
d)	Oxides Of Nitrogen (NO <sub>x</sub> )	23.3	µg/m <sup>3</sup>

**NATIONAL AMBIENT AIR QUALITY STANDARDS, SCHEDULE-VII Rule-3(3B)**  
The Gazette of India with Effect from Monday, November 16, 2009/KARTIKA 25, 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)
1.	SO <sub>2</sub>	24 hours	80	80
2.	NO <sub>x</sub>	24 hours	80	80
3.	PM <sub>10</sub>	24 hours	100	100
4.	PM <sub>2.5</sub>	24 hours	60	60

**-END OF REPORT-**



**FOR ULTRA TECH**

*(Handwritten Signature)*

**KISHOR SAWANT**  
**(AUTHORIZED SIGNATORY)**



**M/s. MANIKHAND KUMAR PROPERTIES**  
FOR YOUR SITE  
**PRINCE TOWN**  
At Undri, Pune.

**AMBIENT AIR QUALITY MONITORING REPORT**

<b>Ref No:</b> UT/P/ELS/R/92C/2017		<b>Date:</b> 17.04.2017	
<b>Lab Code:</b> UT/L/A/90C			
Sr. No.	DETAILS	LOCATION NO. - 03	UNITS
1	Date of Sampling	10.04.2017	--
2	Location of the Sampling	On construction Site	--
3	Ambient Air Temp. - - (Max.) - (Min.)	39.1 19.6	°C
4	Relative Humidity - - (Max.) - (Min.)	39.0 29.0	%
5	<b>POLLUTANTS</b>		
a)	Particulate Matter (PM <sub>10</sub> )	68.3	µg/m <sup>3</sup>
b)	Particulate Matter (PM <sub>2.5</sub> )	27.1	
c)	Sulphur Di-Oxide (SO <sub>2</sub> )	134	µg/m <sup>3</sup>
d)	Oxides Of Nitrogen (NO <sub>x</sub> )	21.8	µg/m <sup>3</sup>

**NATIONAL AMBIENT AIR QUALITY STANDARDS, SCHEDULE-VII Rule-3(3B)**  
**The Gazette of India with Effect from Monday, November 16, 2009/KARTIKA 25, 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)
1.	SO <sub>2</sub>	24 hours	80	80
2.	NO <sub>x</sub>	24 hours	80	80
3.	PM <sub>10</sub>	24 hours	100	100
4.	PM <sub>2.5</sub>	24 hours	60	60

**-END OF REPORT-**



**FOR ULTRA TECH**

*(Handwritten Signature)*

**KISHOR SAWANT**  
**(AUTHORIZED SIGNATORY)**

**M/s. MANIKCHAND KUMAR PROPERTIES**  
FOR YOUR SITE  
**PRINCE TOWN**  
At Undri, Pune.

**AMBIENT NOISE LEVEL MONITORING REPORT**

**Date of Survey: - 10.04.2017**

Ref No: UT/P/ELS/R/92D/2017		Date: 17.04.2017	
SR. NO.	LOCATION	NOISE LEVEL IN dB ( A ) Leq	
		( Day Time )	( Night Time )
1.	Near Main Gate	54.2	42.6
2.	Near Site Office	52.9	41.4
3.	On Construction Site	53.5	43.1
4.	Near STP	54.1	43.9

**AMBIENT NOISE LEVEL STANDARDS**

Category Of Area	Limits in dB ( A ) Leq	
	Day Time (6 am - 10 pm)	Night Time (10 pm - 6 am)
Industrial Area	75	70
Commercial Area	65	55
Residential Area	55	45
Silence Zone	50	40

**-END OF REPORT-**

**FOR ULTRA TECH**



**KISHOR SAWANT**  
**(AUTHORIZED SIGNATORY)**

**M/s. MANIKCHAND KUMAR PROPERTIES**  
FOR YOUR SITE  
**PRINCE TOWN**  
At Undri, Pune.

**DRINKING WATER ANALYSIS REPORT**

<b>Ref No: UT/P/ELS/R/92E/2017</b>		<b>Date: 17.04.2017</b>	
<b>Lab Code: UT/L/W/71</b>			
<b>Nature of Sample</b>	Drinking Water		
<b>Date of Sampling</b>	10.04.2017		
<b>Date of Receipt</b>	11.04.2017		
<b>Date of Analysis</b>	11.04.2017 To 17.04.2017		
<b>PARAMETERS</b>	<b>CONCENTRATION</b>	<b>STANDARD (IS:10500 -2012)</b>	<b>UNIT</b>
<b>PHYSICAL PARAMETERS:-</b>			
Turbidity	<1	1.0	NTU
Colour	<5	5.0	Hazen
Odour	Agreeable	Agreeable	---
Taste	Agreeable	Agreeable	---
<b>CHEMICAL PARAMETERS:-</b>			
pH	7.34	6.5 - 8.5	---
Total Dissolved Solids	92	500	mg/l
Chlorides	22	250	mg/l
Sulphate	18	200	mg/l
Total Hardness	46	200	mg/l
Ca-Hardness	30	75	mg/l
Mg-Hardness	16	30	mg/l
Residual Chlorine	Absent	0.2	mg/l
Phenolic compounds	Not Detected	0.001	mg/l
Alkalinity	36	200	mg/l
<b>BACTERIOLOGICAL PARAMETERS:</b>			
Total Coliform	Absent	0org/100ml	Org/100ml
E. coli	Absent	Absent	--
<i>Note : Sample Collection Done By Ultra Tech Environmental Consultancy &amp; Laboratory.</i>			

**-END OF REPORT-**



**FOR ULTRA TECH**

**KISHOR SAWANT  
(AUTHORIZED SIGNATORY)**

**M/s. MANIKCHAND KUMAR PROPERTIES**  
FOR YOUR SITE  
**PRINCE TOWN**  
At Undri, Pune.

**SOIL ANALYSIS REPORT**

<b>Ref No: UT/P/ELS/R/92F/2017</b>		<b>Date: 17.04.2017</b>	
<b>Nature of Sample</b>	<b>Soil Sample</b>		
<b>Lab code</b>	UT/L/S/13		
<b>Date of Sampling</b>	10.04.2017		
<b>Date of Receipt</b>	11.04.2017		
<b>Date of Analysis</b>	11.04.2017 To 17.04.2017		
<b>PARAMETERS</b>	<b>CONCENTRATION</b>		
	<b>Project Site</b>	<b>UNIT</b>	
pH	7.56	--	
Colour	Brownish	--	
Conductivity	0.287	mS/cm	
Moisture Content	3.1	%	
Organic Matter	1.6	%	
Total Organic Carbon	0.5	%	
Calcium as Ca	68	mg/kg	
Magnesium as Mg	26	mg/kg	
Sodium as Na	221	mg/kg	
Available Nitrogen as N	305	mg/kg	
Available Phosphorous as P2O5	49	mg/kg	
Available Potassium as K2O	123	mg/kg	
Cadmium as Cd	≤0.5	mg/kg	
Chromium as Cr	58	mg/kg	
Copper as Cu	269	mg/kg	
Lead as Pb	≤10	mg/kg	
Manganese as Mn	655	mg/kg	
Zinc as Zn	108	mg/kg	
Iron as Fe	6325	mg/kg	

**-END OF REPORT-**



For, ULTRA TECH

*(Signature)*

**KISHOR SAWANT**  
**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 Visit us at : www.ultratech.in

## TEST REPORT

ISSUED TO: M/s. MANIKCHANDKUMAR PROPERTIES

For Your Project- "Prince Town"

At Undri

District -Pune State -Maharashtra

REPORT NO. : UT/ELS/REPORT/C-058/12-2017

ISSUE DATE : 08/12/2017

YOUR REF. : Work Order Letter

REF. DATE : 16/01/2017

SAMPLE PARTICULARS :

AMBIENT AIR QUALITY MONITORING

Sampling Plan Ref. No.: C-09/11-2017

Location Code : 01

Sample Registration Date : 16/11/2017

Sample Location : Near Main Gate

Date of Sampling : 14/11/2017

Co-ordinates: N18°27'42.19"; E73°54'14.04"

Time of Sampling : 12:30 Hrs. to 20:30 Hrs.

Analysis Starting Date : 16/11/2017

Collected By : ULTRA-TECH

Analysis Completion Date : 18/11/2017

Height of Sampler : 1.0 Meter

Sample Lab Code : UT/ELS/C-057/11-2017

Sampling Duration : 08 Hours

Ambient Air Temperature : 20.2 °C to 30.9°C

Relative Humidity : 54.7 % to 70.1 %

Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part 02) : 2001	18	µg/m <sup>3</sup>
2.	Oxides of Nitrogen (NO <sub>x</sub> )	IS 5182 (Part 06) : 2006	29	µg/m <sup>3</sup>
3.	Particulate Matter (PM <sub>10</sub> )	EPA/625/R-96/010a Method IO-2.1	89	µg/m <sup>3</sup>
4.	Particulate Matter (PM <sub>2.5</sub> )	UT/LQMS/SOP/AA05	53	µg/m <sup>3</sup>
5.	Carbon Monoxide (CO) †	IS 5182 (Part 10): 1999	1.2	mg/m <sup>3</sup>

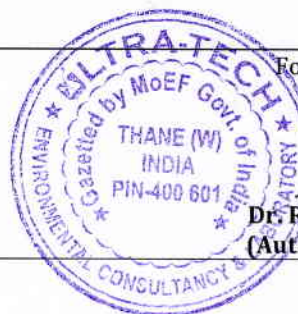
†: Sampling Period 1 Hr.

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

Sampling Equipment Details	Instrument Used	Make & Model	Calibration Status
	Respirable Dust Sampler	Make - POLLETCH; Model -PEM-RDS 8NL; Sr. No. 3213	Valid up to - 10/01/2018
	Fine Dust Sampler	Make - NETEL; Model- NPM-FDS 2.5 A; Sr. No. 242	Valid up to - 06/03/2019

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

## TEST REPORT

ISSUED TO: M/s. MANIKCHANDKUMAR PROPERTIES

For Your Project- "Prince Town"

At Undri

District -Pune State -Maharashtra

REPORT NO. : UT/ELS/REPORT/C-059/12-2017

ISSUE DATE : 08/12/2017

YOUR REF. : Work Order Letter

REF. DATE : 16/01/2017

**SAMPLE PARTICULARS :**

Sampling Plan Ref. No.: C-09/11-2017  
Sample Registration Date : 16/11/2017  
Date of Sampling : 14/11/2017  
Time of Sampling : 21:00 Hrs. to 05:00 Hrs.  
Analysis Starting Date : 16/11/2017  
Analysis Completion Date : 18/11/2017  
Sample Lab Code : UT/ELS/C-058/11-2017  
Ambient Air Temperature : 28.7 °C to 32.7°C

**AMBIENT AIR QUALITY MONITORING**

Location Code : 02  
Sample Location : Near Site Office  
Co-ordinates: N18°27'39.78"; E73°54'15.70"  
Collected By : ULTRA-TECH  
Height of Sampler : 1.0 Meter  
Sampling Duration : 08 Hours  
Relative Humidity : 64.7 % to 75.2 %

Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part 02) : 2001	14	µg/m <sup>3</sup>
2.	Oxides of Nitrogen (NO <sub>x</sub> )	IS 5182 (Part 06) : 2006	22	µg/m <sup>3</sup>
3.	Particulate Matter (PM <sub>10</sub> )	EPA/625/R-96/010a Method 10-2.1	75	µg/m <sup>3</sup>
4.	Particulate Matter (PM <sub>2.5</sub> )	UT/LQMS/SOP/AA05	50	µg/m <sup>3</sup>
5.	Carbon Monoxide (CO) †	IS 5182 (Part 10): 1999	1.0	mg/m <sup>3</sup>

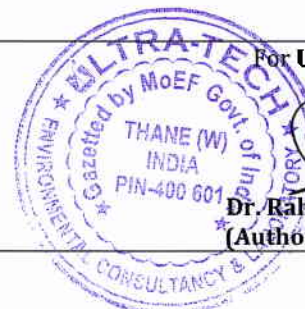
†: Sampling Period 1 Hr.

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

Sampling Equipment Details	Instrument Used	Make & Model	Calibration Status
	Respirable Dust Sampler	Make - POLLETCH; Model -PEM-RDS 8NL; Sr. No. 3213	Valid up to - 10/01/2018
	Fine Dust Sampler	Make - NETEL; Model- NPM-FDS 2.5 A; Sr. No. 242	Valid up to - 06/03/2019

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

## TEST REPORT

ISSUED TO: M/s. MANIKCHANDKUMAR PROPERTIES

For Your Project- "Prince Town"

At Undri

District -Pune State -Maharashtra

REPORT NO. : UT/ELS/REPORT/C-060/12-2017

ISSUE DATE : 08/12/2017

YOUR REF. : Work Order Letter

REF. DATE : 16/01/2017

### SAMPLE PARTICULARS :

Sampling Plan Ref. No.: C-09/11-2017  
Sample Registration Date : 16/11/2017  
Date of Sampling : 15/11/2017  
Time of Sampling : 05:30 Hrs. to 13:30 Hrs.  
Analysis Starting Date : 16/11/2017  
Analysis Completion Date : 18/11/2017  
Sample Lab Code : UT/ELS/C-059/11-2017  
Ambient Air Temperature : 25.8 °C to 37.5°C

### AMBIENT AIR QUALITY MONITORING

Location Code : 03  
Sample Location : Near B1 Building  
Co-ordinates: N18°27'38.28"; E73°54'13.86"  
Collected By : ULTRA-TECH  
Height of Sampler : 1.0 Meter  
Sampling Duration : 08 Hours  
Relative Humidity : 66.7 % to 70.3%

Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part 02) : 2001	15	µg/m <sup>3</sup>
2.	Oxides of Nitrogen (NO <sub>x</sub> )	IS 5182 (Part 06) : 2006	25	µg/m <sup>3</sup>
3.	Particulate Matter (PM <sub>10</sub> )	EPA/625/R-96/010a Method 10-2.1	83	µg/m <sup>3</sup>
4.	Particulate Matter (PM <sub>2.5</sub> )	UT/LQMS/SOP/AA05	48	µg/m <sup>3</sup>
5.	Carbon Monoxide (CO) †	IS 5182 (Part 10): 1999	1.0	mg/m <sup>3</sup>

†: Sampling Period 1 Hr.

Opinions / Interpretations: National Ambient Air Quality Monitoring Standard, Part III- Section IV is enclosed as Enclosure-1 for your reference.

Sampling Equipment Details	Instrument Used	Make & Model	Calibration Status
	Respirable Dust Sampler	Make - POLLETCH; Model -PEM-RDS 8NL; Sr. No. 3213	Valid up to - 10/01/2018
Fine Dust Sampler	Make - NETEL; Model- NPM-FDS 2.5 A; Sr. No. 242	Valid up to - 06/03/2019	

- Note:
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  3. This test report may not be reproduced in part, without the permission of this laboratory.
  4. Any correction invalidates this test report.
  5. Weather was Sunny during day and clear at night.

- END OF REPORT -

For ULTRA-TECH,  
  
Dr. Rahul 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 <sub>2</sub> ), µg/m <sup>3</sup>	Annual*	50	20
		24 Hours**	80	80
02.	Oxides of Nitrogen (NO <sub>x</sub> ), µg/m <sup>3</sup>	Annual*	40	30
		24 Hours**	80	80
03.	Particulate Matter (PM <sub>10</sub> ), µg/m <sup>3</sup>	Annual*	60	60
		24 Hours**	100	100
04.	Particulate Matter (PM <sub>2.5</sub> ), µg/m <sup>3</sup>	Annual*	40	40
		24 Hours**	60	60
05.	Carbon Monoxide (CO), mg/m <sup>3</sup>	08 Hours*	02	02
		01 Hours**	04	04

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

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

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





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## TEST REPORT

ISSUED TO: M/s. MANIKCHANDKUMAR PROPERTIES  
For Your Project- "Prince Town"  
At Undri  
District -Pune State -Maharashtra

REPORT NO. : UT/ELS/REPORT/C-061/12-2017  
ISSUE DATE : 08/12/2017  
YOUR REF. : Work Order Letter  
REF. DATE : 16/01/2017

### SAMPLE PARTICULARS :

Sampling Plan Ref. No. : C-09/11-2017  
Date of Monitoring : 14/11/2017

### NOISE LEVEL QUALITY MONITORING

Sample Lab Code : UT/ELS/C-060/11-2017  
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	14:00 to 14:05	54.8	22:05 to 22:10	44.6
02.	Near Site Office	14:15 to 14:20	52.4	22:20 to 22:25	42.8
03.	Near "B1" Building	14:30 to 14:35	50.7	22:35 to 22:40	42.7
04.	Near Club House	14:45 to 14:55	51.9	22:50 to 22:55	43.1
05.	Near "B4" Building	15:05 to 15:10	53.6	23:05 to 23:10	43.5

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

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

Sampling Equipment Details	Instrument Used	Make & Model	Calibration Status
	Sound Level Meter	Make - METRAVI; Model - SL-4015; Sr. no. 160200539	Valid up to - 06/03/2019

Note: 1. This test report refers only to the monitoring conducted.  
2. This test report may not be reproduced in part, without the permission of this laboratory.  
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For ULTRA-TECH,  
  
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**

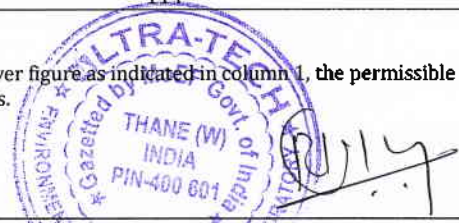
(The Model Rules Of The Factories Act, 1948)

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.



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## TEST REPORT

**ISSUED TO: M/s. MANIKCHANDKUMAR PROPERTIES**

For Your Project- "Prince Town"

At Undri

District -Pune State -Maharashtra

**REPORT NO.** : UT/ELS/REPORT/C-062/12-2017**ISSUE DATE** : 08/12/2017**YOUR REF.** : Work Order Letter**REF. DATE** : 16/01/2017**SAMPLE PARTICULARS** :**Sampling Plan Ref. No.** : C-09/11-2017**Sample Registration Date** : 16/11/2017**Date of Sampling** : 14/11/2017**Time of Sampling** : 14:00Hrs. to 15:10 Hrs.**STACK EMISSIONS QUALITY MONITORING****Analysis Starting Date** : 16/11/2017**Analysis Completion Date** : 18/11/2017**Sample Lab Code** : UT/ELS/C-061/11-2017**Sample Collected By** : ULTRA-TECH**STACK DETAILS****Stack ID** : S-01**Stack Attached To** : D. G. Set (125 KVA)**Stack Shape** : Round**Stack MOC** : M.S.**Stack Height** : 4.0 Meter from Ground Level**Stack Diameter** : 0.05 Meter @ Sampling Point**Fuel Used** : Diesel**Fuel Consumption** : 6 Liters/hr**FLUE GAS CHARACTERISTICS****Flue Gas Temperature** : 348 °K**Flue Gas Velocity** : 5.5 m/sec**Volumetric Flow Rate** : 33 Nm<sup>3</sup>/hr**Total Volume of Flue Gas** : 1.000 Nm<sup>3</sup> (@ STP)

Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	Total Particulate Matter (TPM)	UT/LQMS/SOP/SE01	12	mg/Nm <sup>3</sup>
2.	Sulphur Dioxide (SO <sub>2</sub> )	IS 11255 (Part 02) : 1985	7	mg/Nm <sup>3</sup>

**Opinions / Interpretations:** Nil

Sampling Equipment Details	Instrument Used	Make & Model	Calibration Status
	Stack Sampling Kit	Make - POLLTECH; Model - SMS4; Sr. No. 2613	Valid up to - 24/02/2018

- Note:**
1. This test report refers only to the sample tested.
  2. This test report is valid at the time of and under the conditions specified herein.
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  4. Any correction invalidates this test report.

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For **ULTRA-TECH**,  
  
**Dr. Rahul Kolhapurkar**  
(Authorized Signatory)





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## TEST REPORT

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For Your Project- "Prince Town"

At Undri

District -Pune State -Maharashtra

REPORT NO. : UT/ELS/REPORT/C-063/12-2017

ISSUE DATE : 08/12/2017

YOUR REF. : Work Order Letter

REF. DATE : 16/01/2017

**SAMPLE PARTICULARS :**

Sampling Plan Ref. No. : C-09/11-2017  
Sample Registration Date : 16/11/2017  
Date & Time of Sampling : 14/11/2017 at 16:00 Hrs  
Analysis Starting Date : 16/11/2017  
Analysis Completion Date : 24/11/2017  
Sample Collected By : ULTRA-TECH  
Sample Lab Code : UT/ELS/C-062/11-2017

**WATER SAMPLE ANALYSIS**

Sample Type : Borewell Ground Water  
Sample Location : Near Site Office  
Sample Quantity & Packing Details : 2 L in Plastic Container for physico-chemical parameters and 100ml in Sterile Corning Bottle for bacteriological parameters.

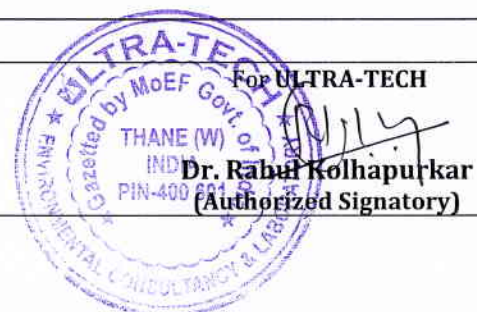
Sr. No.	Test Parameter	Test Method	Test Result	Unit
<b>PHYSICAL PARAMETERS:-</b>				
1.	Turbidity*	IS 3025 (Part 10) 1984	1.6	NTU
<b>CHEMICAL PARAMETERS:-</b>				
2.	pH	IS 3025 (Part 11) 1983	7.8	-
3.	Electrical Conductivity	IS 3025 (Part 14) 1984	535	µS/cm
4.	Total Dissolved Solids	IS 3025 (Part 16) 1984	348	mg/L
5.	Total Hardness as CaCO <sub>3</sub>	IS 3025 (Part 21) 2009	254	mg /L
6.	Total Alkalinity as CaCO <sub>3</sub>	IS 3025 (Part 23) 1986	242	mg/L
7.	Phenolphthalein Alkalinity as CaCO <sub>3</sub>	IS 3025 (Part 23) 1986	BDL [DL=1]	mg/L
8.	Sulphate as SO <sub>4</sub> <sup>2-</sup>	APHA 4500-SO <sub>4</sub> <sup>2-</sup> E	45	mg/L
9.	Phosphate as PO <sub>4</sub> <sup>3-</sup>	APHA 4500 P E	0.09	mg/L
10.	Chlorides as Cl <sup>-</sup>	IS 3025 (Part 32) 1988	39	mg/L
11.	Ammonical Nitrogen as NH <sub>3</sub> -N	IS 3025 (Part 34) 1988	BDL [DL=0.1]	mg/L
12.	Nitrates as NO <sub>3</sub> <sup>-</sup>	IS 3025 (Part 34) 1988	8.01	mg/L
13.	Calcium Hardness as CaCO <sub>3</sub>	IS 3025 (Part 40) 1991	128	mg /L
14.	Calcium as Ca	IS 3025 (Part 40) 1991	51	mg/L
15.	Potassium as K <sup>+</sup>	IS 3025 (Part 45) 1993	1.7	mg/L
16.	Sodium as Na <sup>+</sup>	IS 3025 (Part 45) 1993	24	mg/L
17.	Magnesium as Mg	IS 3025 (Part 46) 1994	31	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 <sup>-</sup>	APHA 4500-F D	0.6	mg/L
<b>BACTERIOLOGICAL PARAMETERS:</b>				
21.	Total Coliform*	IS 1622 : 1981	60	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.

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## TEST REPORT

ISSUED TO: M/s. MANIKCHANDKUMAR PROPERTIES

For Your Project- "Prince Town"

At Undri

District -Pune State -Maharashtra

REPORT NO. : UT/ELS/REPORT/C-064/12-2017

ISSUE DATE : 08/12/2017

YOUR REF. : Work Order Letter

REF. DATE : 16/01/2017

**SAMPLE PARTICULARS**

Sampling Plan Ref. No. : C-09/11-2017  
Sample Registration Date : 16/11/2017  
Date & Time of Sampling : 14/11/2017 at 16:20 Hrs.  
Analysis Starting Date : 16/11/2017  
Analysis Completion Date : 27/11/2017  
Sample Collected By : ULTRA-TECH  
Sample Lab Code : UT/ELS/C-063/11-2017

**SOIL QUALITY MONITORING**

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

Sr. No.	Test Parameter	Test Methods	Test Result	Unit
1.	Colour*	-	Brown	-
2.	Moisture Content	IS:2720 (Part 2) : 1973	1.7	%
3.	Bulk Density	UT/LQMS/SOP/S03	1122	kg/m <sup>3</sup>
4.	Organic Matter	IS:2720 (Part 22) : 1972	0.8	%
5.	Total Organic Carbon	IS:2720 (Part 22) : 1972	0.4	%
6.	pH	IS:2720 (Part 26) : 1987	7.5	-
7.	Conductivity(1:2soil:Water Extract)	IS:14767- 2000	0.263	mS/cm
8.	Salinity (1:2 soil: Water Extract)*	Calculated in terms of Total Dissolved Solids	163	mg/L
9.	Sodium as Na (Water Extractable)*	UT/LQMS/SOP/S19	52	mg/kg
10.	Magnesium as Mg (Water Extractable)*	UT/LQMS/SOP/S22	40	mg/kg
11.	Chlorides as Cl <sup>-</sup> (Water Extractable)*	UT/LQMS/SOP/S23	93	mg/kg
12.	Sulphate as SO <sub>4</sub> <sup>2-</sup> (Water Extractable)*	UT/LQMS/SOP/S24	63	mg/kg
13.	Sodium Adsorption Ratio*	UT/LQMS/SOP/S26	0.7	(meq/kg) <sup>1/2</sup>
14.	Cation Exchange Capacity	USEPA 846 9080	17.3	meq/100g
15.	Water Holding Capacity	ASTM- T7367-07	54.0	%
16.	Available Boron as B (Available)	UT/LQMS/SOP/S27	[BDL=0.5]	mg/kg
17.	Phosphorous as P <sub>2</sub> O <sub>5</sub> (Available)	UT/LQMS/SOP/S28	204	kg/ha
18.	Potassium as K <sub>2</sub> O (Available)	UT/LQMS/SOP/S29	404	kg/ha
19.	Nitrogen as N (Available)	UT/LQMS/SOP/S30	252	Kg/ha
20.	Iron as Fe	USEPA SW846 7380	96108	mg/kg
21.	Zinc as Zn	USEPA SW846 7950	107	mg/kg

Opinions / Interpretations: NIL

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